Tivoli Asset Discovery for z/OS 8.1

Analyzer Reports Supplement

Update November 2014

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Change Activity:

2013-01-02	Initial copy
2013-01-21	License verification – replace macro
2013-02-26	Adding Screen shots and dialog
2013-03-04	Updates to layout
2013-03-07	Add missing screen shots
2013-10-09	Updated doc with new screen shots and reports
2014-03-28	Updated doc with new screen shots and extra explanation for Registered Product Usage report.
2014-04-22	Updated Asset reports for Sysplex userid counts
2014-07-23	Added Product Trend drill down reports, User, Jobname, Jobaccounts.
2014-11-11	Added new section for Product Suite Definition

Introduction

The Analyzer runs as Started Task or batch job on the same z/OS host as the DB2 Subsystem that contains the TADz Repository.

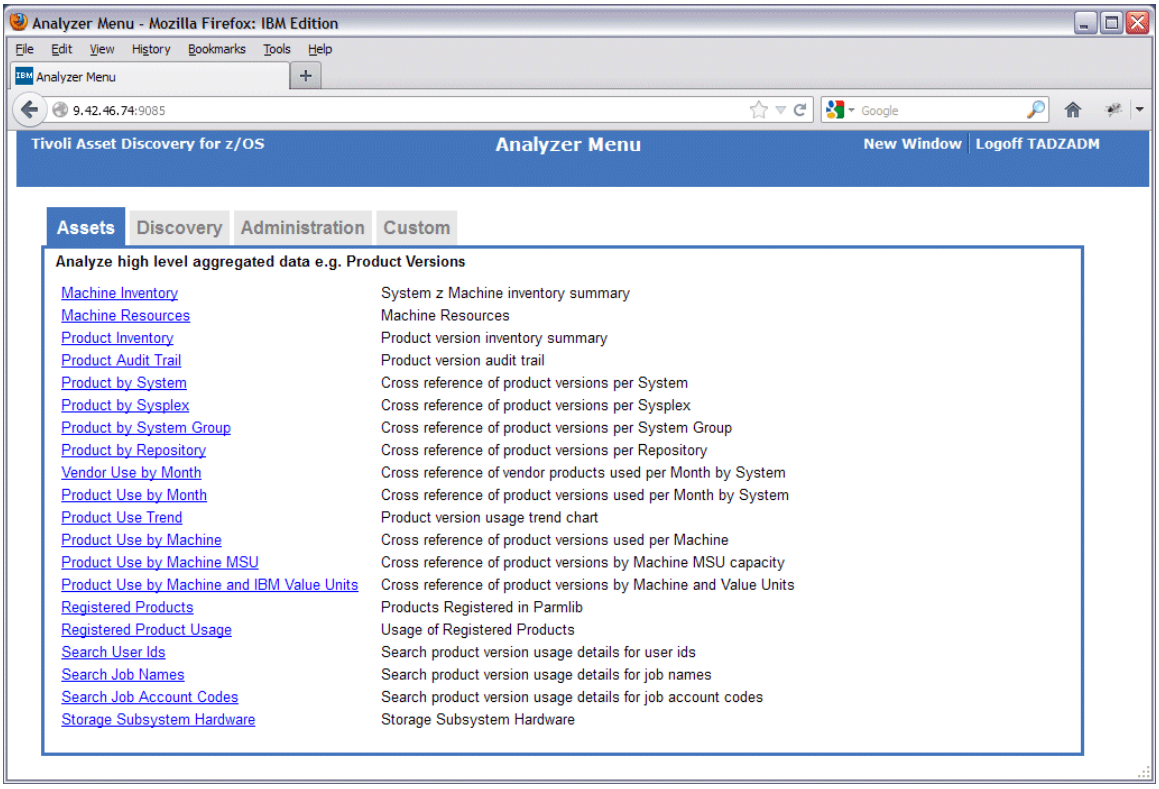
Analyzer has two modes:

- On-Line mode, where a PC Browser (e.g. Firefox) is used to communicate with Analyzer for interactive queries. This is the primary method.
- Batch mode, where the Analyzer generates the report to an output file. Batch mode is good when you want to automate report generation.

The Analyzer parameters for the batch reports are the only parameters permitted. You cannot add any more parameters other than the ones shown for each report as they will be ignored.

Assets Tab

The Asset reports are primarily aimed at the Asset and or Contract managers. All the products shown in these reports require a License. There will be products that you may not have a license for that will show in these reports and that is because they are part of a product bundle. Many Software Vendors package a group of products together and have license keys that allow users to use the products. TADz will still capture all the products that are installed and will show them in the Asset reports. What you have to do is make sure that only licensed products are being used.



The screen above shows the current Asset reports that are available.

Machine Inventory report

The Machine Inventory report provides a summary of the system z machine inventory. You can select a date range to view inventory as it was by the dates selected.

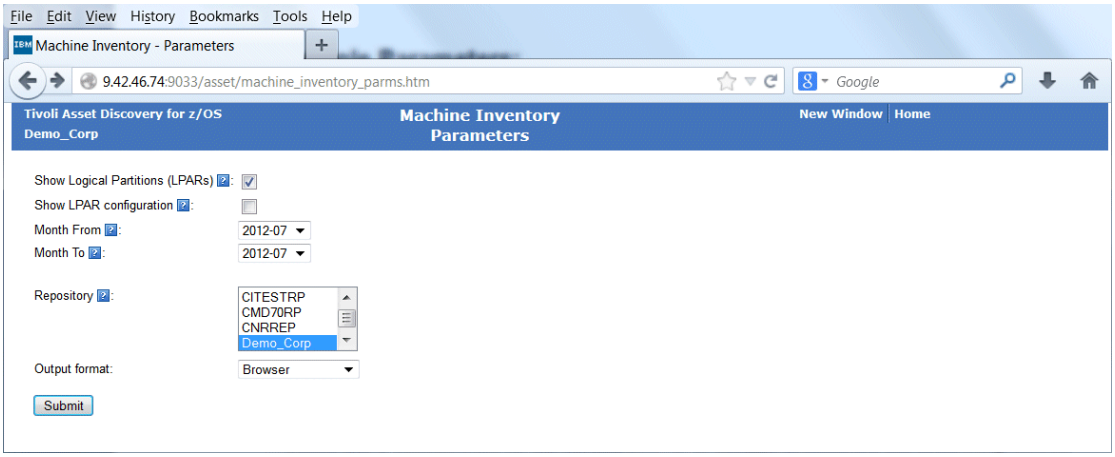
Batch report query

/asset/machine_inventory
showlpars = *on*
showconfig = *on*
repository = *&REPZSCHM*

Input Parameters:

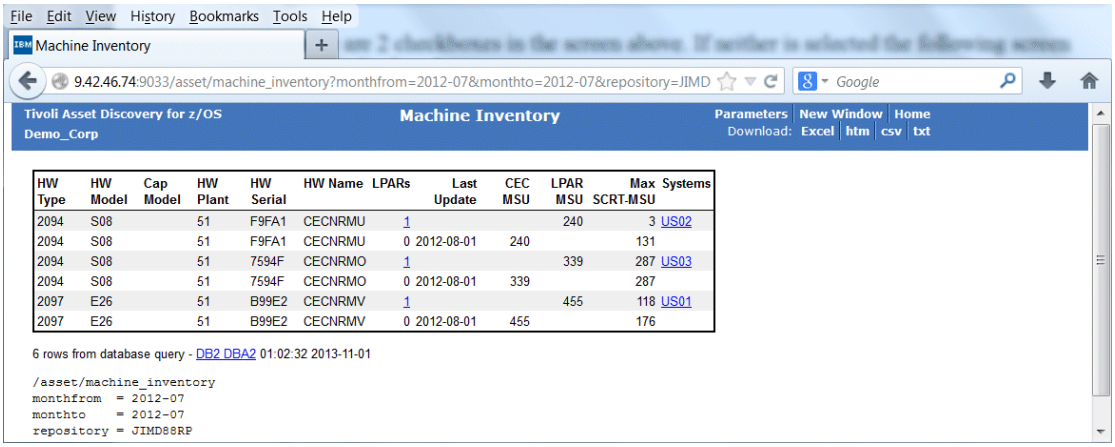
On-line parameter	Batch mode parameter	Optional	Description
Show Logical Partitions (LPARs)	showlpars = *on/off*	Yes	Show LPARs for a System.
Show LPAR configuration	showconfig = *on/off*	Yes	Show extended LPAR information.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



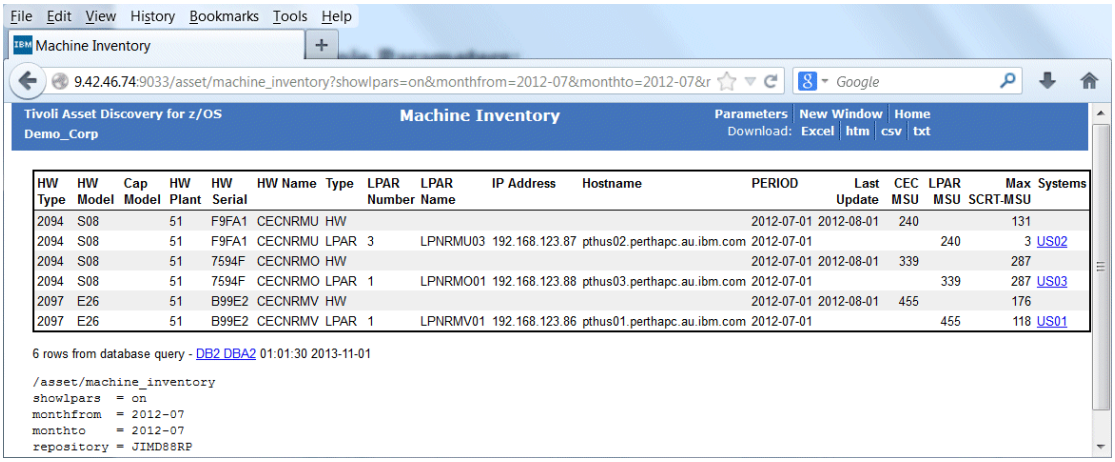
There are 2 checkboxes in the screen above. If neither is selected the following screen will be displayed. The dates Monthfrom and Monthto will only show what the Machine Inventory looked like for the specified month or range.

Sample Output Default:



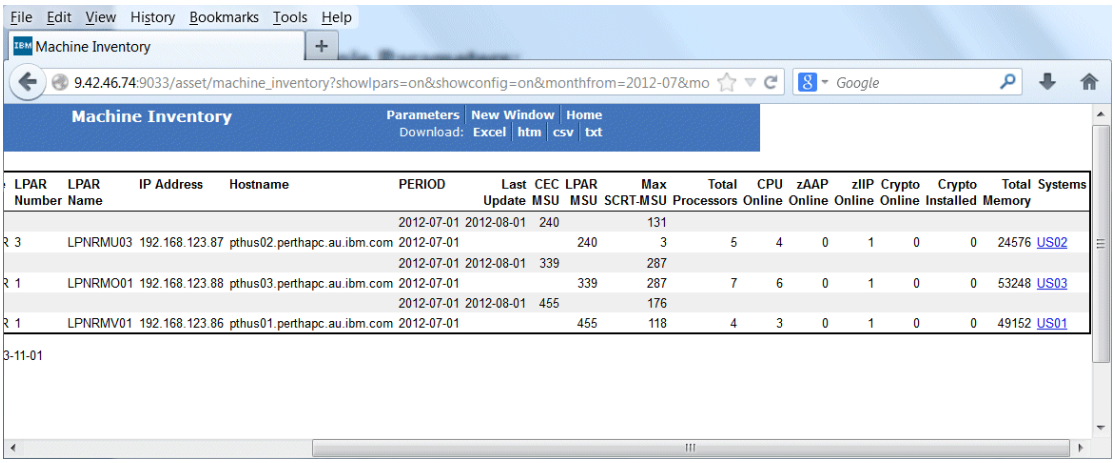
This shows the minimum information concerning the machines that were discovered by TADz if you don't select any of the checkboxes and only select a single month.

Sample Output Show Logical LPARs:



The output above shows the LPARs that have been scanned on each of the Machines for the selected Period. Each machine and LPAR now displays the MSU values along with the IP address and Hostname. The Period and the date the machine was last scanned will also be displayed.

Sample Output Show LPAR Configuration:



When the LPAR configuration is selected the output above will be displayed. This will show you what processors were available for each LPAR and what speciality engines were online to each LPAR for the specified period

Report columns

Column Name	Description
HW Type	The Hardware type of the machine
HW Model	The Hardware model of the machine
Cap Model	The model capacity of the LPAR
HW Plant	The Plant ID where the machine was manufactured
HW Serial	The hardware serial number of the machine
HW Name	The actual hardware name of the machine
Type	The type of item being shown. HW mans physical machine whereas LPAR is the logical partition.
LPAR Number	The number of the LPAR defined for the machine

Column Name	Description
LPAR Name	The actual hardware name of the LPAR
IP Address	The IP address of the LPAR
Hostname	The hostname of the LPAR
Period	The period the Machine Inventory was scanned
Last Update	The last time the Machine was scanned
CEC MSU	The total MSU for the Machine
LPAR MSU	The MSU's allocated to this LPAR
Max SCRT-MSU	The maximum SCRT MSU for the LPAR
Total Processors	The total Processors on the machine
CPU Online	CPU's online to LPAR
zAAP Online	zAAP's online to LPAR
zIIP Online	zIIP's online to LPAR
Crypto Online	How many Crypto are online to the LPAR
Crypto Installed	How many Crypto's are installed
Total Memory	The total memory allocated to the LPAR
Systems	The system name

Links to drilldown reports

Systems: Product by System report

Machine Resources report

The Machine Resources report provides a summary of the system z machine resources

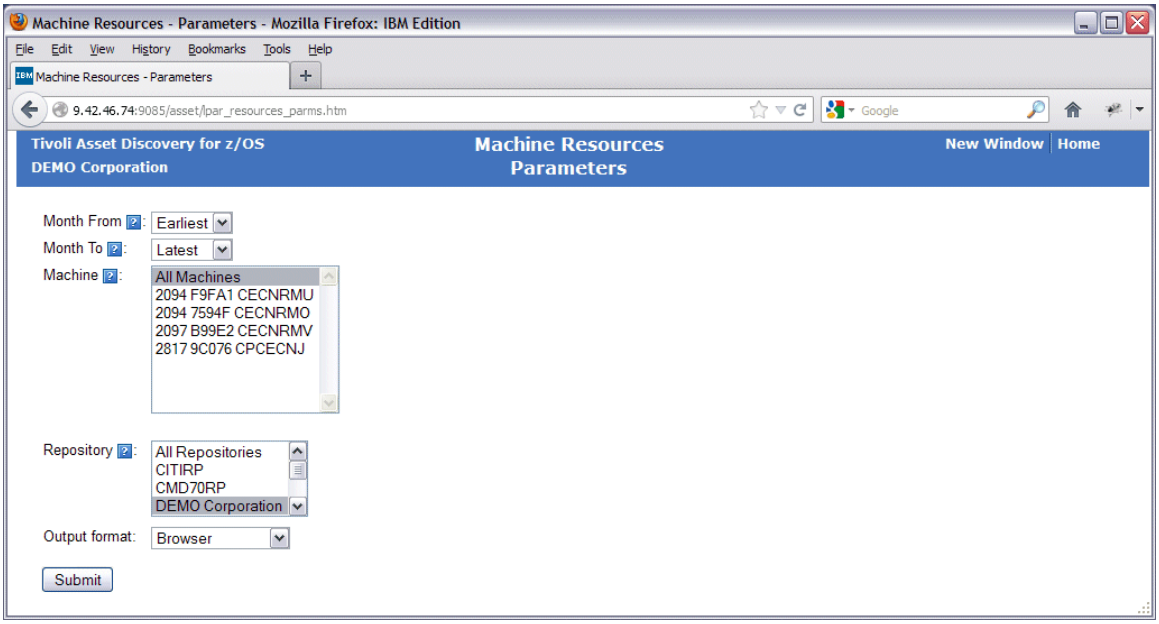
Batch report query

/asset/lpar_resources
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
machine = <*machine*>
repository = *&REPZSCHM*

Input Parameters:

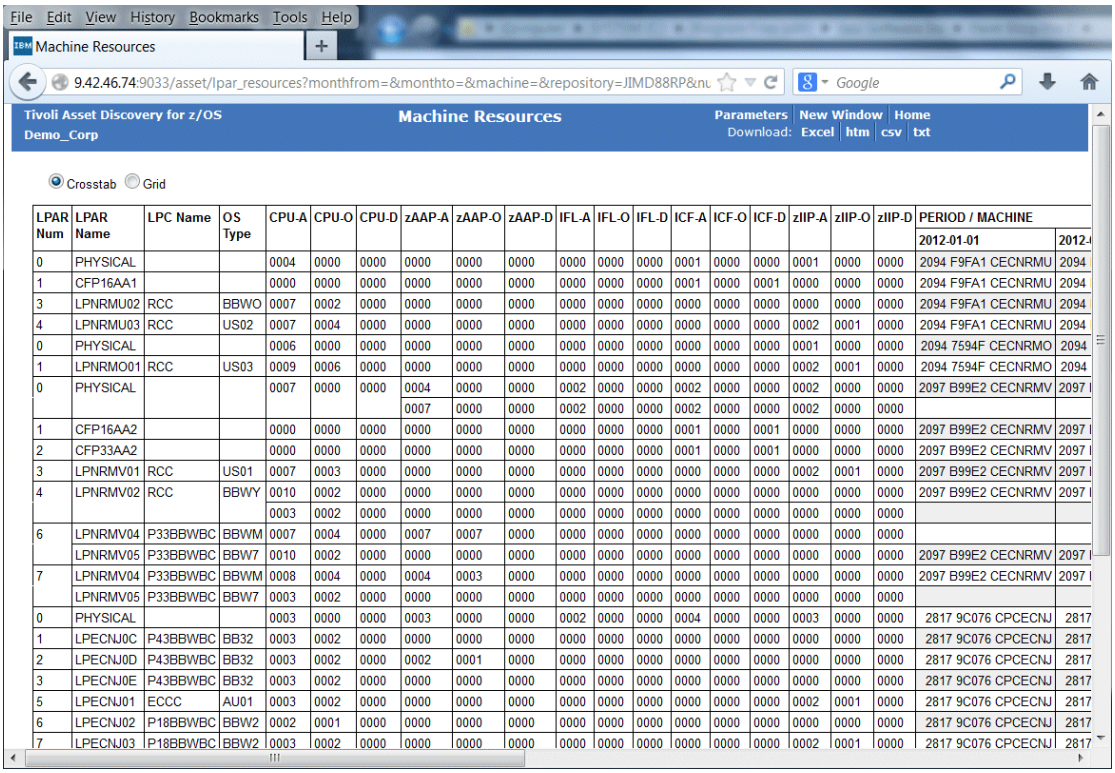
Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Machine	machine = <*machine*> To select multiple machines, repeat the line for each additional machine.	Yes	In batch mode, if you do not specify a machine, all machines are included in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



Apart from the machine selections, the only other selections are the date ranges. If you want to see all dates then leave as Earliest and Latest. You can of course select a date range based on month. Each time the Usage Monitor data is loaded into the Repository, the Machine Resource information data is checked to see if the data has been updated since the last time the Usage Data was loaded. This data is stored by month and it's always the last updated data that is stored in the Repository.

Sample Output Machine Resources:



LPAR Num	LPAR Name	LPC Name	OS Type	CPU-A	CPU-O	CPU-D	zAAP-A	zAAP-O	zAAP-D	IFL-A	IFL-O	IFL-D	ICF-A	ICF-O	ICF-D	zIIP-A	zIIP-O	zIIP-D	PERIOD / MACHINE	
																			2012-01-01	2012-
0	PHYSICAL			0004	0000	0000	0000	0000	0000	0000	0000	0000	0001	0000	0000	0001	0000	0000	2094 F9FA1 CECNRMU	2094
1	CFP16AA1			0000	0000	0000	0000	0000	0000	0000	0000	0000	0001	0000	0001	0000	0000	0000	2094 F9FA1 CECNRMU	2094
3	LPNRMU02	RCC	BBWO	0007	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2094 F9FA1 CECNRMU	2094
4	LPNRMU03	RCC	US02	0007	0004	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0002	0001	0000	2094 F9FA1 CECNRMU	2094
0	PHYSICAL			0006	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0001	0000	0000	2094 7594F CECNRMO	2094
1	LPNRMO01	RCC	US03	0009	0006	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0002	0001	0000	2094 7594F CECNRMO	2094
0	PHYSICAL			0007	0000	0000	0004	0000	0000	0002	0000	0000	0002	0000	0000	0002	0000	0000	2097 B99E2 CECNRMV	2097
							0007	0000	0000	0002	0000	0000	0002	0000	0000	0002	0000	0000		
1	CFP16AA2			0000	0000	0000	0000	0000	0000	0000	0000	0000	0001	0000	0001	0000	0000	0000	2097 B99E2 CECNRMV	2097
2	CFP33AA2			0000	0000	0000	0000	0000	0000	0000	0000	0000	0001	0000	0001	0000	0000	0000	2097 B99E2 CECNRMV	2097
3	LPNRMV01	RCC	US01	0007	0003	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0002	0001	0000	2097 B99E2 CECNRMV	2097
4	LPNRMV02	RCC	BBWY	0010	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2097 B99E2 CECNRMV	2097
				0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
6	LPNRMV04	P33BBWBC	BBWM	0007	0004	0000	0007	0007	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	LPNRMV05	P33BBWBC	BBW7	0010	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2097 B99E2 CECNRMV	2097
7	LPNRMV04	P33BBWBC	BBWM	0008	0004	0000	0004	0003	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2097 B99E2 CECNRMV	2097
	LPNRMV05	P33BBWBC	BBW7	0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
0	PHYSICAL			0003	0000	0000	0003	0000	0000	0002	0000	0000	0004	0000	0000	0003	0000	0000	2817 9C076 CPCECNJ	2817
1	LPECNJ0C	P43BBWBC	BB32	0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2817 9C076 CPCECNJ	2817
2	LPECNJ0D	P43BBWBC	BB32	0003	0002	0000	0002	0001	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2817 9C076 CPCECNJ	2817
3	LPECNJ0E	P43BBWBC	BB32	0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2817 9C076 CPCECNJ	2817
5	LPECNJ01	ECCC	AU01	0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0002	0001	0000	2817 9C076 CPCECNJ	2817
6	LPECNJ02	P18BBWBC	BBW2	0002	0001	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	2817 9C076 CPCECNJ	2817
7	LPECNJ03	P18BBWBC	BBW2	0003	0002	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0002	0001	0000	2817 9C076 CPCECNJ	2817

The above output shows a snap shot of what resources were found when the Usage Import was done based on the selected dates.

Report columns

Column Name	Description
LPAR Num	The number of the LPAR defined for the machine
LPAR Name	The actual LPAR name defined in PRISM
LPC Name	The Logical Partition Cluster name (SYSPLEX name)
OS Type	The Operating System running in the LPAR
CPU-A	CPU's allocated to LPAR
CPU-O	CPU's online to LPAR
CPU-D	CPU's dedicated to LPAR
zAAP-A	zAAP's allocated to LPAR
zAAP-O	zAAP's online to LPAR
zAAP-D	zAAP's dedicated to LPAR
IFL-A	IFL's allocated to LPAR
IFL-O	IFL's online to LPAR
IFL-D	IFL's dedicated to LPAR
ICF-A	ICF's allocated to LPAR
ICF-O	ICF's online to LPAR
ICF-D	ICF's dedicated to LPAR
zIIP-A	zIIP's allocated to LPAR
zIIP–O	zIIP's online to LPAR
zIIP-D	zIIP's dedicated to LPAR

Links to drilldown reports

None

Product Inventory report

The Product Inventory report provides a summary of the system z product inventory

Batch report query

/asset/product_inventory
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
showvername = *off*
showsubcap = *off*
showplxname = *off*
lic_verify = *off*
repository = *&REPZSCHM*

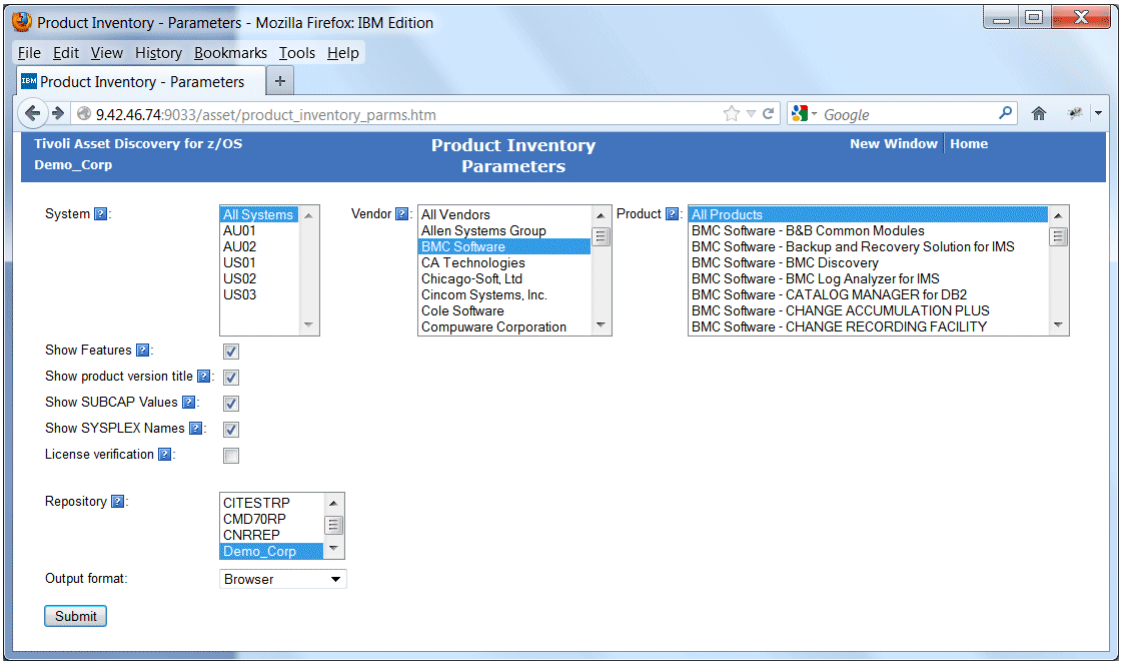
Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature =*on/off*	Yes	Lists the features of the product, if any.
Show product version title	showvername = *on/off*	Yes	Includes the product version title in the report.
Show SUBCAP values	showsubcap = *on/off*	Yes	Show the MLC, IPLA and SUBCAP values for IBM products.
Show SYSPLEX Names	showplxname = *on/off*	Yes	Includes the sysplex names in the report.
License verification	lic_verify = *on/off*	Yes	Creates a license verification spreadsheet.
Repository	repository =	No	The name of the repository

Online parameter	Batch mode parameter	Optional	Description
	&REPZSCHM		to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

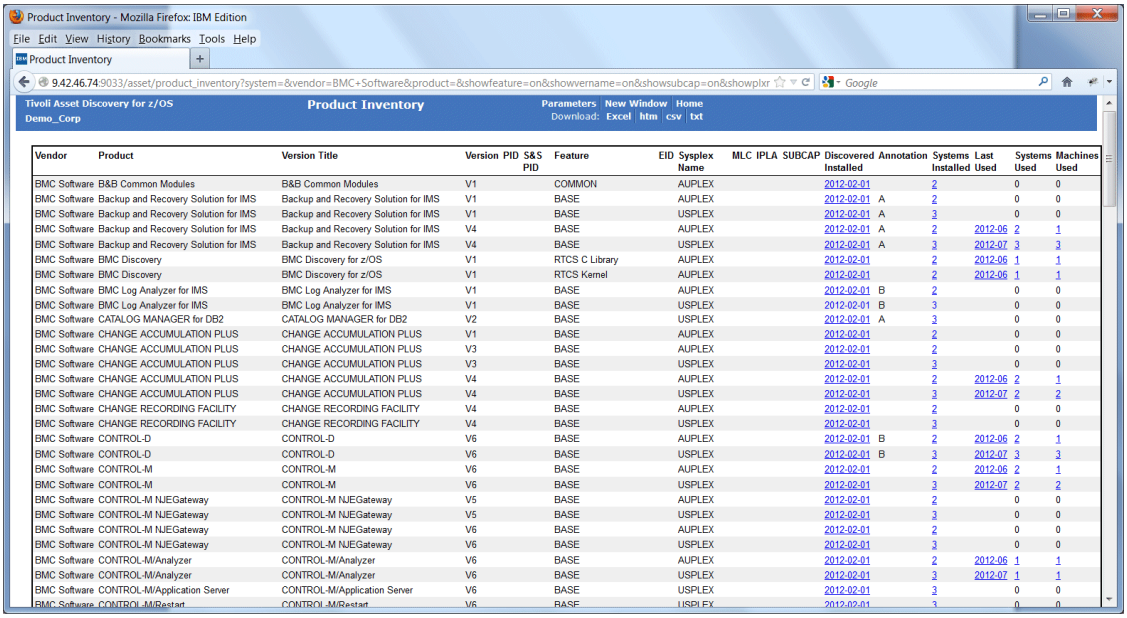
Note: If lic_verify = *on*, see instructions on Excel report highlighting as described in the Reference section

Sample Parameters:



The screen above shows the parameters that can be chosen. The example above show's all parameters were selected excluding the License Verification columns.

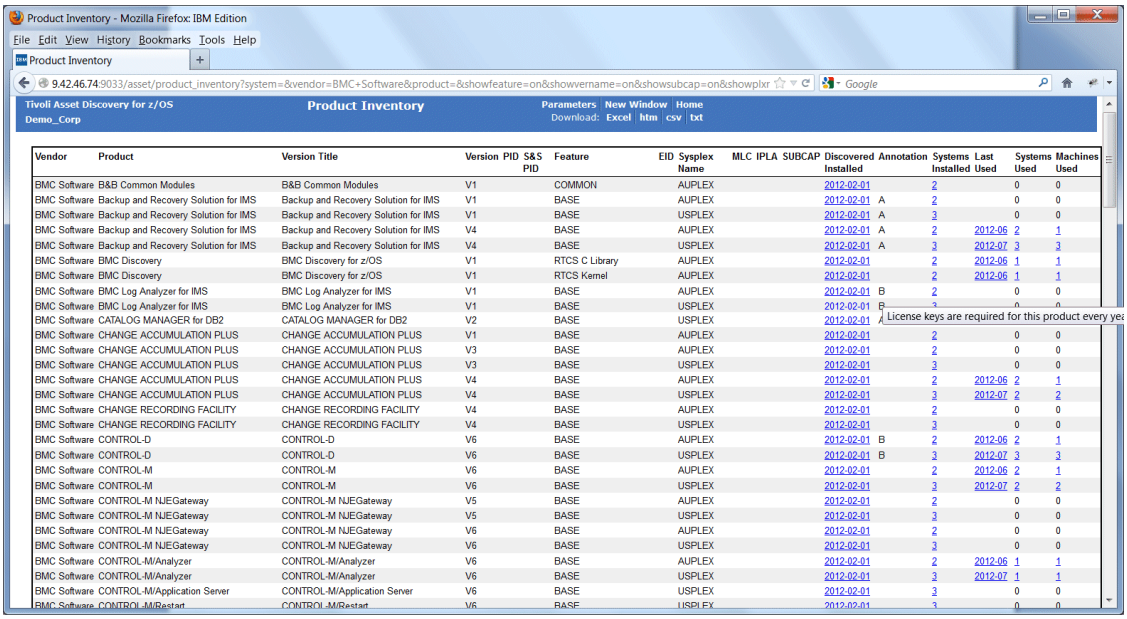
Sample Output Product Inventory:



Vendor	Product	Version Title	Version	PID	S&S PID	Feature	EID	Sysplex Name	MLC	IPLA	SUBCAP	Discovered Installed	Annotation	Systems Installed	Last Used	Systems Used	Machines Used
BMC Software	B&B Common Modules	B&B Common Modules	V1			COMMON		AUPLEX				2012-02-01		2		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V1			BASE		AUPLEX				2012-02-01	A	2		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V1			BASE		USPLEX				2012-02-01	A	3		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V4			BASE		AUPLEX				2012-02-01	A	2	2012-06	2	1
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V4			BASE		USPLEX				2012-02-01	A	3	2012-07	3	3
BMC Software	BMC Discovery	BMC Discovery for z/OS	V1			RTCS C Library		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	BMC Discovery	BMC Discovery for z/OS	V1			RTCS Kernel		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	BMC Log Analyzer for IMS	BMC Log Analyzer for IMS	V1			BASE		AUPLEX				2012-02-01	B	2		0	0
BMC Software	BMC Log Analyzer for IMS	BMC Log Analyzer for IMS	V1			BASE		USPLEX				2012-02-01	B	3		0	0
BMC Software	CATALOG MANAGER for DB2	CATALOG MANAGER for DB2	V2			BASE		USPLEX				2012-02-01	A	3		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V1			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V3			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V3			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V4			BASE		AUPLEX				2012-02-01		2	2012-06	2	1
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V4			BASE		USPLEX				2012-02-01		3	2012-07	2	2
BMC Software	CHANGE RECORDING FACILITY	CHANGE RECORDING FACILITY	V4			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE RECORDING FACILITY	CHANGE RECORDING FACILITY	V4			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-D	CONTROL-D	V6			BASE		AUPLEX				2012-02-01	B	2	2012-06	2	1
BMC Software	CONTROL-D	CONTROL-D	V6			BASE		USPLEX				2012-02-01	B	3	2012-07	3	3
BMC Software	CONTROL-M	CONTROL-M	V6			BASE		AUPLEX				2012-02-01		2	2012-06	2	1
BMC Software	CONTROL-M	CONTROL-M	V6			BASE		USPLEX				2012-02-01		3	2012-07	2	2
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V5			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V5			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V6			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V6			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M/Analyzer	CONTROL-M/Analyzer	V6			BASE		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	CONTROL-M/Analyzer	CONTROL-M/Analyzer	V6			BASE		USPLEX				2012-02-01		3	2012-07	1	1
BMC Software	CONTROL-M/Application Server	CONTROL-M/Application Server	V6			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M/Restart	CONTROL-M/Restart	V6			BASE		USPLEX				2012-02-01		3		0	0

The Output above shows all the fields available for this report. You can now view annotations for products. These annotations need to be created by a TADz Administrator and then these annotations are applied at the product level. To view the annotation, in the column Annotation you will see either an A or a B. Put your mouse over the letter and the annotation will popup as shown below.

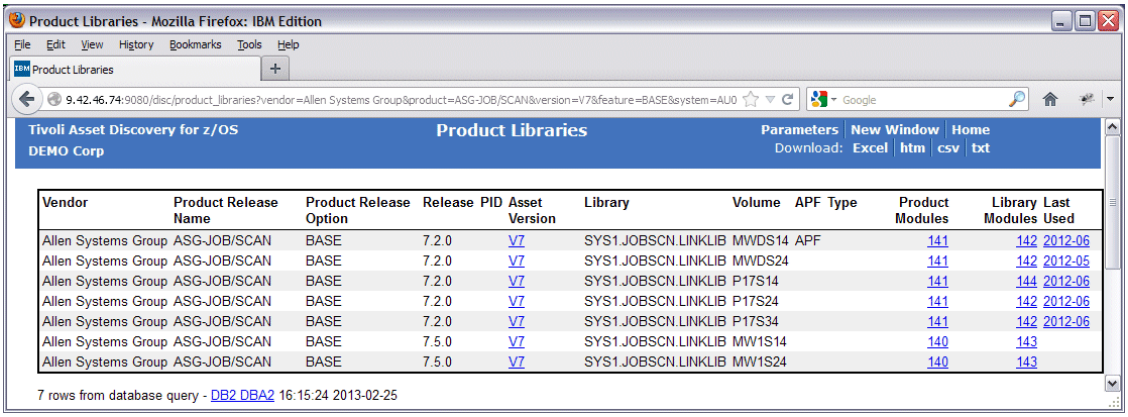
Sample Output Annotations:



Vendor	Product	Version Title	Version	PID	S&S PID	Feature	EID	Sysplex Name	MLC	IPLA	SUBCAP	Discovered Installed	Annotation	Systems Installed	Last Used	Systems Used	Machines Used
BMC Software	B&B Common Modules	B&B Common Modules	V1			COMMON		AUPLEX				2012-02-01		2		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V1			BASE		AUPLEX				2012-02-01	A	2		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V1			BASE		USPLEX				2012-02-01	A	3		0	0
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V4			BASE		AUPLEX				2012-02-01	A	2	2012-06	2	1
BMC Software	Backup and Recovery Solution for IMS	Backup and Recovery Solution for IMS	V4			BASE		USPLEX				2012-02-01	A	3	2012-07	3	3
BMC Software	BMC Discovery	BMC Discovery for z/OS	V1			RTCS C Library		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	BMC Discovery	BMC Discovery for z/OS	V1			RTCS Kernel		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	BMC Log Analyzer for IMS	BMC Log Analyzer for IMS	V1			BASE		AUPLEX				2012-02-01	B	2		0	0
BMC Software	BMC Log Analyzer for IMS	BMC Log Analyzer for IMS	V1			BASE		USPLEX				2012-02-01	B	3		0	0
BMC Software	CATALOG MANAGER for DB2	CATALOG MANAGER for DB2	V2			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V1			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V3			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V3			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V4			BASE		AUPLEX				2012-02-01		2	2012-06	2	1
BMC Software	CHANGE ACCUMULATION PLUS	CHANGE ACCUMULATION PLUS	V4			BASE		USPLEX				2012-02-01		3	2012-07	2	2
BMC Software	CHANGE RECORDING FACILITY	CHANGE RECORDING FACILITY	V4			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CHANGE RECORDING FACILITY	CHANGE RECORDING FACILITY	V4			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-D	CONTROL-D	V6			BASE		AUPLEX				2012-02-01	B	2	2012-06	2	1
BMC Software	CONTROL-D	CONTROL-D	V6			BASE		USPLEX				2012-02-01	B	3	2012-07	3	3
BMC Software	CONTROL-M	CONTROL-M	V6			BASE		AUPLEX				2012-02-01		2	2012-06	2	1
BMC Software	CONTROL-M	CONTROL-M	V6			BASE		USPLEX				2012-02-01		3	2012-07	2	2
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V5			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V5			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V6			BASE		AUPLEX				2012-02-01		2		0	0
BMC Software	CONTROL-M NJEGateway	CONTROL-M NJEGateway	V6			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M/Analyzer	CONTROL-M/Analyzer	V6			BASE		AUPLEX				2012-02-01		2	2012-06	1	1
BMC Software	CONTROL-M/Analyzer	CONTROL-M/Analyzer	V6			BASE		USPLEX				2012-02-01		3	2012-07	1	1
BMC Software	CONTROL-M/Application Server	CONTROL-M/Application Server	V6			BASE		USPLEX				2012-02-01		3		0	0
BMC Software	CONTROL-M/Restart	CONTROL-M/Restart	V6			BASE		USPLEX				2012-02-01		3		0	0

The Output above shows the annotation for the selected product.

Sample Output Product Libraries:



Product Libraries - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product Libraries

Parameters | New Window | Home
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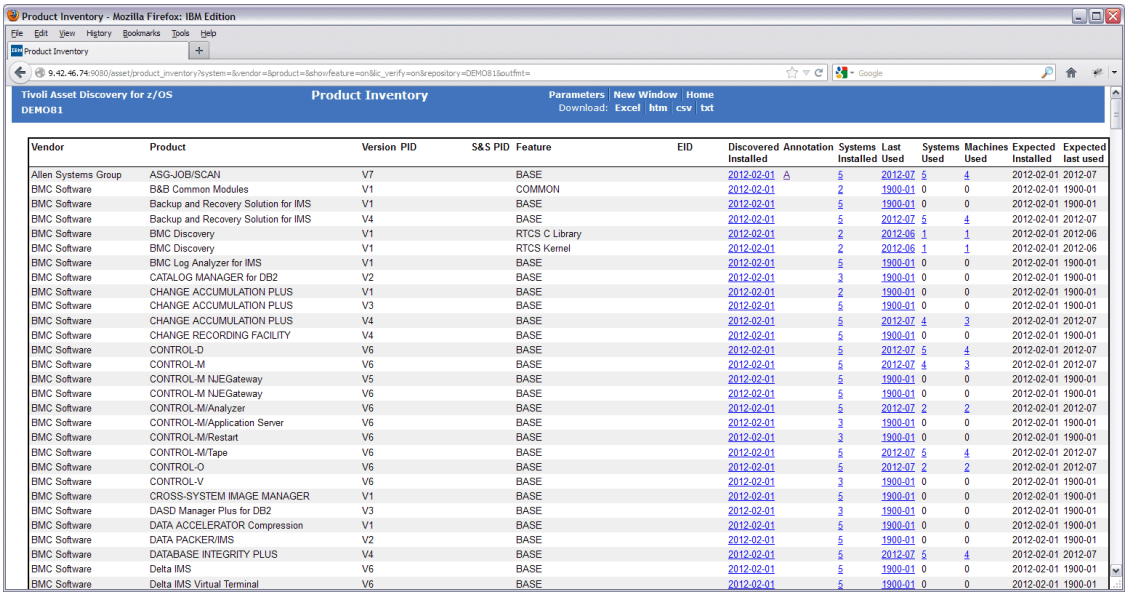
Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	APF	Type	Product Modules	Library Modules	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	APF		141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24			141	142	2012-05
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S14			141	144	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S24			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S34			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S14			140	143	
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S24			140	143	

7 rows from database query - DB2 DBA2 16:15:24 2013-02-25

The output above shows the product libraries the product is installed in.

Sample Output License Verification:



Product Inventory - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO81

Product Inventory

Parameters | New Window | Home
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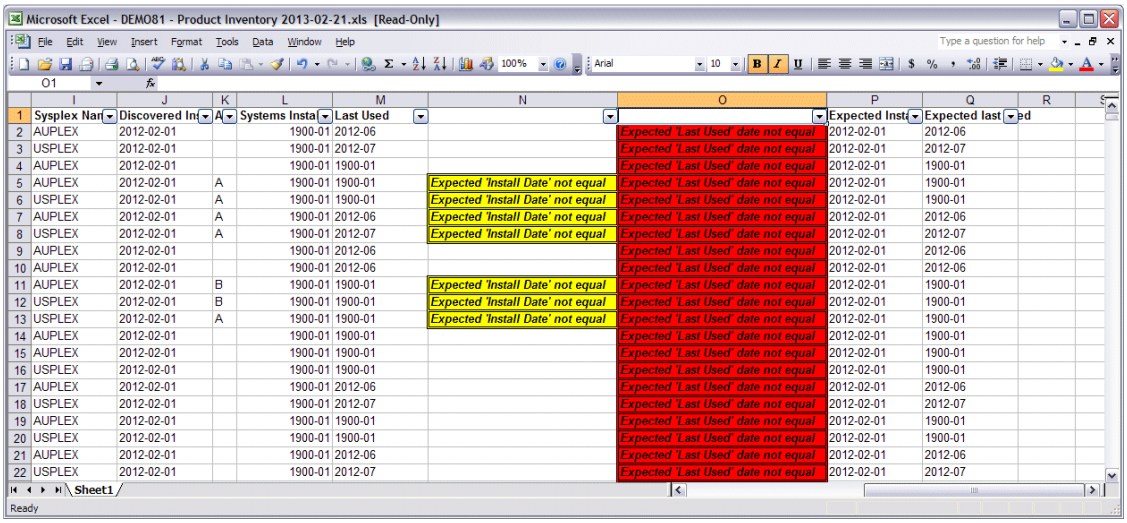
Vendor	Product	Version	PID	S&S PID	Feature	EID	Discovered Installed	Annotation	Systems Installed	Last Used	Systems Used	Machines Used	Expected Installed	Expected last used
Allen Systems Group	ASG-JOB/SCAN	V7			BASE		2012-02-01	A	5	2012-07	5	4	2012-02-01	2012-07
BMC Software	B&B Common Modules	V1			COMMON		2012-02-01		2	1900-01	0	0	2012-02-01	1900-01
BMC Software	Backup and Recovery Solution for IMS	V1			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	Backup and Recovery Solution for IMS	V4			BASE		2012-02-01		5	2012-07	5	4	2012-02-01	2012-07
BMC Software	BMC Discovery	V1			RTCS C Library		2012-02-01		2	2012-06	1	1	2012-02-01	2012-06
BMC Software	BMC Discovery	V1			RTCS Kernel		2012-02-01		2	2012-06	1	1	2012-02-01	2012-06
BMC Software	BMC Log Analyzer for IMS	V1			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	CATALOG MANAGER for DB2	V2			BASE		2012-02-01		3	1900-01	0	0	2012-02-01	1900-01
BMC Software	CHANGE ACCUMULATION PLUS	V1			BASE		2012-02-01		2	1900-01	0	0	2012-02-01	1900-01
BMC Software	CHANGE ACCUMULATION PLUS	V3			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	CHANGE ACCUMULATION PLUS	V4			BASE		2012-02-01		5	2012-07	4	3	2012-02-01	2012-07
BMC Software	CHANGE RECORDING FACILITY	V4			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	CONTROL-D	V6			BASE		2012-02-01		5	2012-07	5	4	2012-02-01	2012-07
BMC Software	CONTROL-M	V6			BASE		2012-02-01		5	2012-07	4	3	2012-02-01	2012-07
BMC Software	CONTROL-M NJEGateway	V5			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	CONTROL-M NJEGateway	V6			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	CONTROL-M/Analyzer	V6			BASE		2012-02-01		5	2012-07	2	2	2012-02-01	2012-07
BMC Software	CONTROL-M/Application Server	V6			BASE		2012-02-01		3	1900-01	0	0	2012-02-01	1900-01
BMC Software	CONTROL-M/Restart	V6			BASE		2012-02-01		3	1900-01	0	0	2012-02-01	1900-01
BMC Software	CONTROL-M/Tape	V6			BASE		2012-02-01		5	2012-07	5	4	2012-02-01	2012-07
BMC Software	CONTROL-O	V6			BASE		2012-02-01		5	2012-07	2	2	2012-02-01	2012-07
BMC Software	CONTROL-V	V6			BASE		2012-02-01		3	1900-01	0	0	2012-02-01	1900-01
BMC Software	CROSS-SYSTEM IMAGE MANAGER	V1			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	DASD Manager Plus for DB2	V3			BASE		2012-02-01		3	1900-01	0	0	2012-02-01	1900-01
BMC Software	DATA ACCELERATOR Compression	V1			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	DATA PACKER/IMS	V2			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	DATABASE INTEGRITY PLUS	V4			BASE		2012-02-01		5	2012-07	5	4	2012-02-01	2012-07
BMC Software	Delta IMS	V6			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01
BMC Software	Delta IMS Virtual Terminal	V6			BASE		2012-02-01		5	1900-01	0	0	2012-02-01	1900-01

If you had also selected the License Verification checkbox, 2 extra fields at the end of the report are added. To view the spreadsheet you must have first added the Excel Macro provided at the end of this document. When you have added the macro you can select the Excel download at the top of the report and once loaded into Excel press Ctrl T to execute the macro. You will need to update the dates in Expected Installed to the dates of your license. The Expected Last Used dates will show the last time the product was used. A default date of 1900-01 is added if no usage occurred for the product.

Sample Output License Verification Spreadsheet:



Sysplex Nar	Discovered In	A	Systems Insta	Last Used	N	O	Expected Inst	Expected last ed
AUPLEX	2012-02-01		1900-01	2012-06		Expected 'Last Used' date not equal	2012-02-01	2012-06
USPLEX	2012-02-01		1900-01	2012-07		Expected 'Last Used' date not equal	2012-02-01	2012-07
AUPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01	A	1900-01	1900-01	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	1900-01
USPLEX	2012-02-01	A	1900-01	1900-01	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01	A	1900-01	2012-06	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	2012-06
USPLEX	2012-02-01	A	1900-01	2012-07	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	2012-07
AUPLEX	2012-02-01		1900-01	2012-06		Expected 'Last Used' date not equal	2012-02-01	2012-06
AUPLEX	2012-02-01		1900-01	2012-06		Expected 'Last Used' date not equal	2012-02-01	2012-06
AUPLEX	2012-02-01	B	1900-01	1900-01	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	1900-01
USPLEX	2012-02-01	B	1900-01	1900-01	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	1900-01
USPLEX	2012-02-01	A	1900-01	1900-01	Expected 'Install Date' not equal	Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
USPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01		1900-01	2012-06		Expected 'Last Used' date not equal	2012-02-01	2012-06
USPLEX	2012-02-01		1900-01	2012-07		Expected 'Last Used' date not equal	2012-02-01	2012-07
AUPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
USPLEX	2012-02-01		1900-01	1900-01		Expected 'Last Used' date not equal	2012-02-01	1900-01
AUPLEX	2012-02-01		1900-01	2012-06		Expected 'Last Used' date not equal	2012-02-01	2012-06
USPLEX	2012-02-01		1900-01	2012-07		Expected 'Last Used' date not equal	2012-02-01	2012-07

The screen above shows the License Verification Spreadsheet.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	The Asset name of the product
Version Title	The full name of the product
Version	The version of the product
PID	The PID of the product
S&S PID	The IBM S&S PID for the product
Feature	The feature name of the product
EID	The IBM Entitlement ID for the product
Sysplex Name	The name of the SYSPLEX that the product was discovered on
MLC	For IBM products if the product is a Monthly License Charge then a Y will displayed if it is or an N if not.
IPLA	For IBM products if the product is IPLA or more commonly known as One Time Charge, then a Y will appear if it is or an N if not.
SUBCAP	In this field you will see either: • Reference-based • z/OS-based • Not eligible or blank These values only apply to IPLA products that have a Y.
Discovered Installed	The date the product was first found during an IQ scan
Annotation	If you have created an Annotation for this product it will show as an A if the Annotation is only for the Asset report or a B if the Annotation applies to both Asset and Discovery data. Selecting the

Column Name	Description
	letter will display the Annotation.
Systems Installed	Shows how many systems the product is installed on
Last Used	The date the product was last used
Machines Used	The number of machines that this product was executed on
Expected Installed	If you have selected the License Verification checkbox this date field will be generated with the date that the product was first observed.
Expected last used	This is the date the product was last used with respect to the Expected installed date. A default date of 1990-01 is added is no usage has occurred for the product.

Links to drilldown reports

- Discovered Installed: Product Libraries report
- Annotation: Display Annotation
- Systems Installed: Product by System report
- Last Used: Product use Trend report
- Systems Used: Product by System report
- Machines Used: Product Use by Machine report

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Product Audit Trail report

The Product Audit Trail report provides an audit trail for a specified version of a product

Batch report query

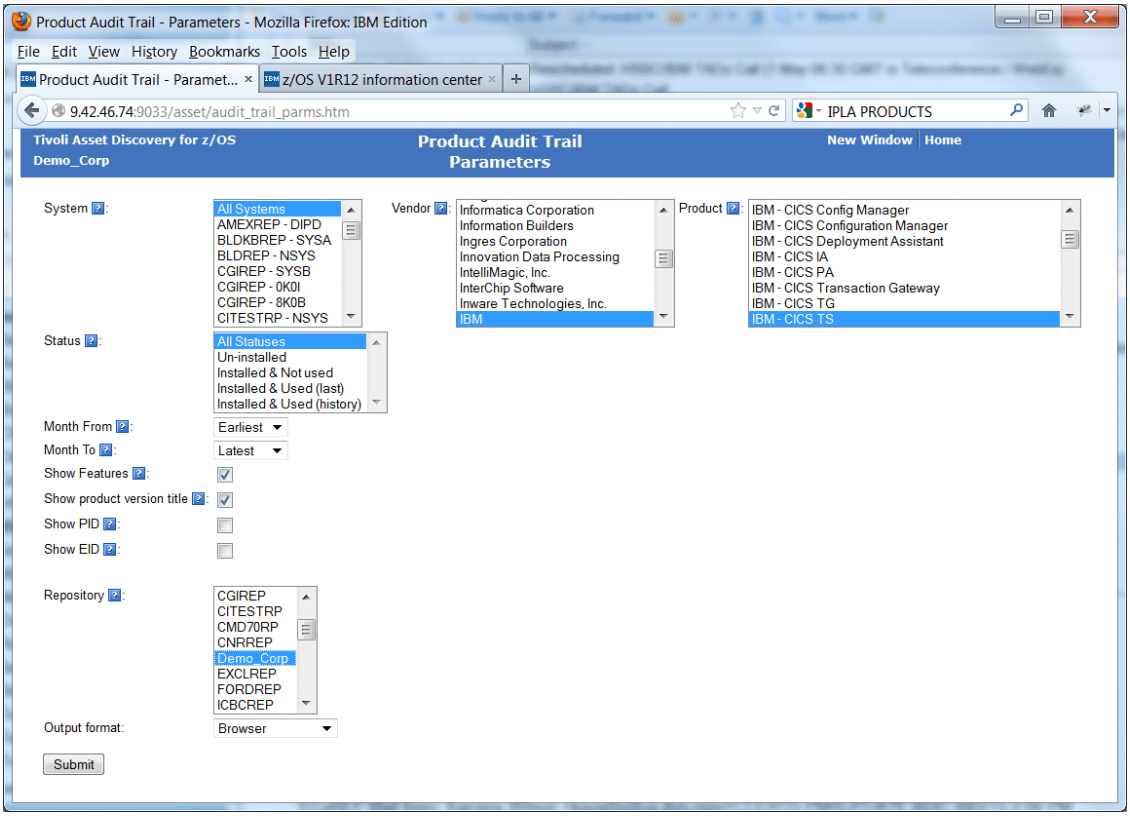
/asset/audit_trail
system = <*system*>
vendor = <*vendor*>
product = <*product*>
status = <*status*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
showfeature = *off*
showvername = *off*
showpid = *off*
showeid = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Status	status = <*status*>	No	Audit Trail status options are: • All Statuses • Un-installed • Installed & Not Used

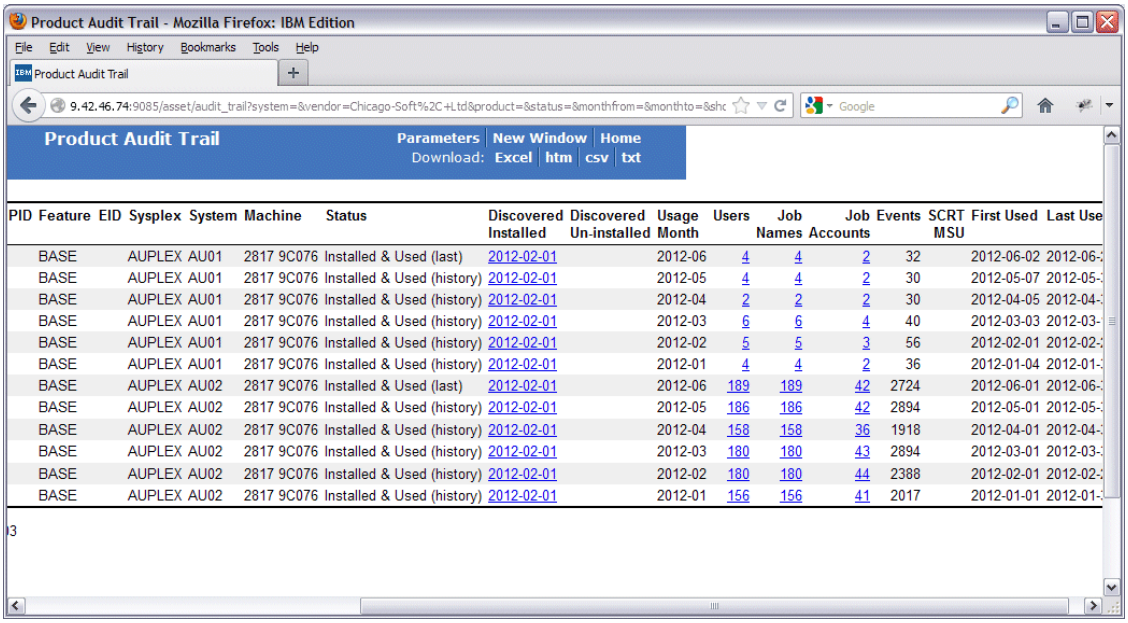
Online parameter	Batch mode parameter	Optional	Description
			• Installed & Used (last) • Installed & Used (history)
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Show product version title	showvername = *on/off*	Yes	Includes the product version title in the report.
Show PID	showpid= *on/off*	Yes	Includes the product identifier in the report.
Show EID	showeid= *on/off*	Yes	Includes the entitlement identifier in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Audit Trail report allows for a number of different selections that will filter the data being shown. You can now select multiple Repositories to view them in a combined report. There is a limitation of about 50 Repositories that can be selected and produce a single report with all the selected data.

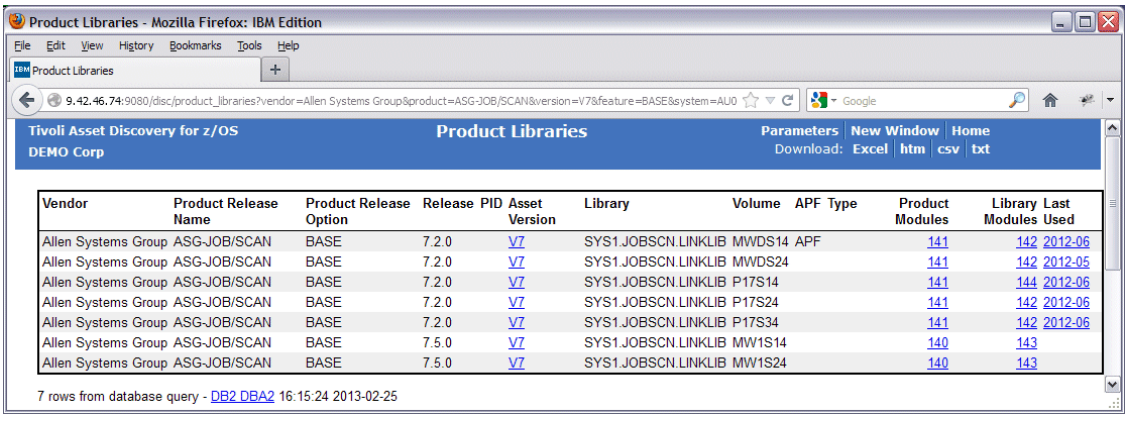
Sample Output Product Audit Trail:



PID	Feature	EID	Sysplex	System	Machine	Status	Discovered Installed	Discovered Un-installed	Usage Month	Users	Job Names	Job Accounts	Events	SCRT MSU	First Used	Last Use
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (last)	2012-02-01		2012-06	4	4	2	32		2012-06-02	2012-06-
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (history)	2012-02-01		2012-05	4	4	2	30		2012-05-07	2012-05-
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (history)	2012-02-01		2012-04	2	2	2	30		2012-04-05	2012-04-
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (history)	2012-02-01		2012-03	6	6	4	40		2012-03-03	2012-03-
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (history)	2012-02-01		2012-02	5	5	3	56		2012-02-01	2012-02-
	BASE		AUPLEX	AU01	2817 9C076	Installed & Used (history)	2012-02-01		2012-01	4	4	2	36		2012-01-04	2012-01-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (last)	2012-02-01		2012-06	189	189	42	2724		2012-06-01	2012-06-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (history)	2012-02-01		2012-05	186	186	42	2894		2012-05-01	2012-05-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (history)	2012-02-01		2012-04	158	158	36	1918		2012-04-01	2012-04-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (history)	2012-02-01		2012-03	180	180	43	2894		2012-03-01	2012-03-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (history)	2012-02-01		2012-02	180	180	44	2388		2012-02-01	2012-02-
	BASE		AUPLEX	AU02	2817 9C076	Installed & Used (history)	2012-02-01		2012-01	156	156	41	2017		2012-01-01	2012-01-

The output shown above will depend on the filtering selected in the parameters screen. The Audit report is a good place to get an overview of what products have been discovered and their usage history. A number of drill downs are available to get more detailed information.

Sample Output Product Libraries:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	APF	Type	Product Modules	Library Modules	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	APF		141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24			141	142	2012-05
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S14			141	144	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S24			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S34			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S14			140	143	
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S24			140	143	

7 rows from database query - DB2 DBA2 16:15:24 2013-02-25

The output above shows the product libraries the product is installed in.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	The Asset name of the product
Version Title	The full name of the product

Column Name	Description
Version	The version of the product
PID	The PID of the product
S&S PID	The IBM S&S PID for the product
Feature	The feature name of the product
EID	The IBM Entitlement ID for the product
Sysplex Name	The name of the SYSPLEX that the product was discovered on
System	The System the product was discovered on
Machine	The machine the product was discovered on
Status	The current status of the product
Discovered Installed	The date the product was first discovered
Discovered Un-Installed	The date the product was uninstalled
Usage Month	The Period for usage being shown
Users	How many distinct users have executed this product in the month
Job Names	How many distinct Job Names that have used the product in the month
Job Accounts	How many distinct Job Accounts executed the product in the month
SCRT MSU	If SCRT data was been loaded then this will show the MSU value. In order to see this data you cannot select the Show Features checkbox
First Used	The first day in the month that the product was used
Last Used	The last day in the month the product was used

Links to drilldown reports

- Discovered Installed: Product Libraries report
- Users: Product Use Trend User Ids How User Ids have used the product
- Job Names: Product Use Trend names shows Job Names that have used the product
- Job Accounts: Product Use Trend Job Account Codes shows Job Account codes that have use the product

Product by System report

The Product by System report provides a summary of products by system.

Batch report query

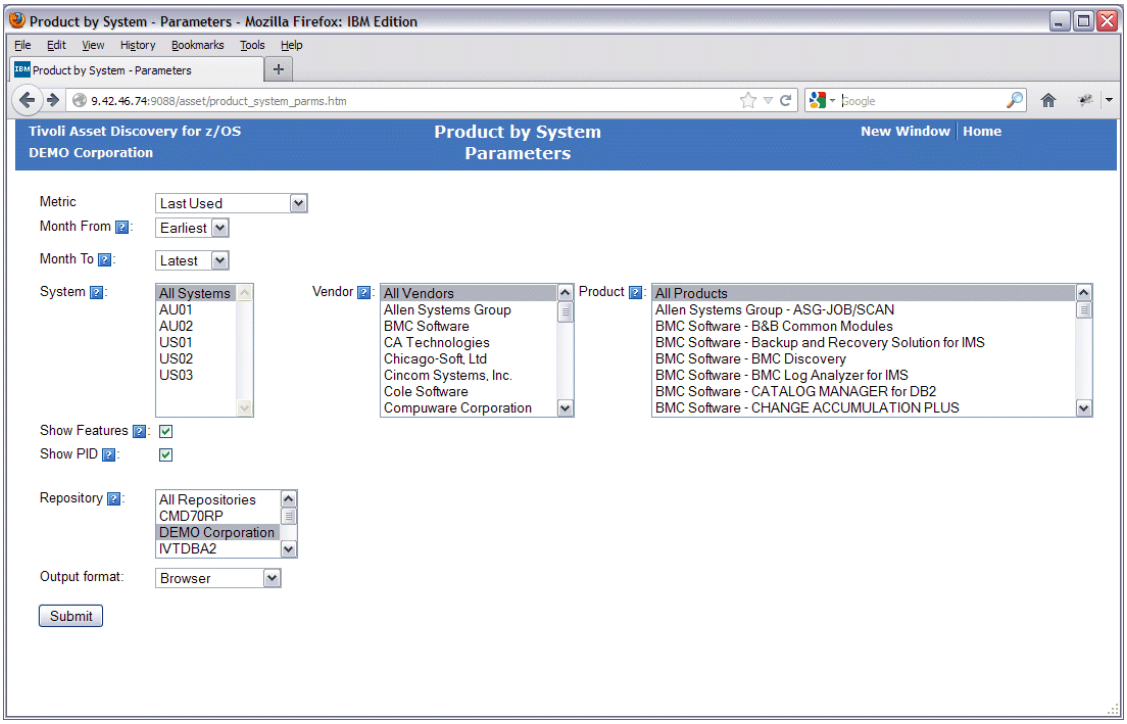
/asset/product_system
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
showpid = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • FIRSTUSED: Show first used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*>	Yes	In batch mode, if you do not specify a system, all systems

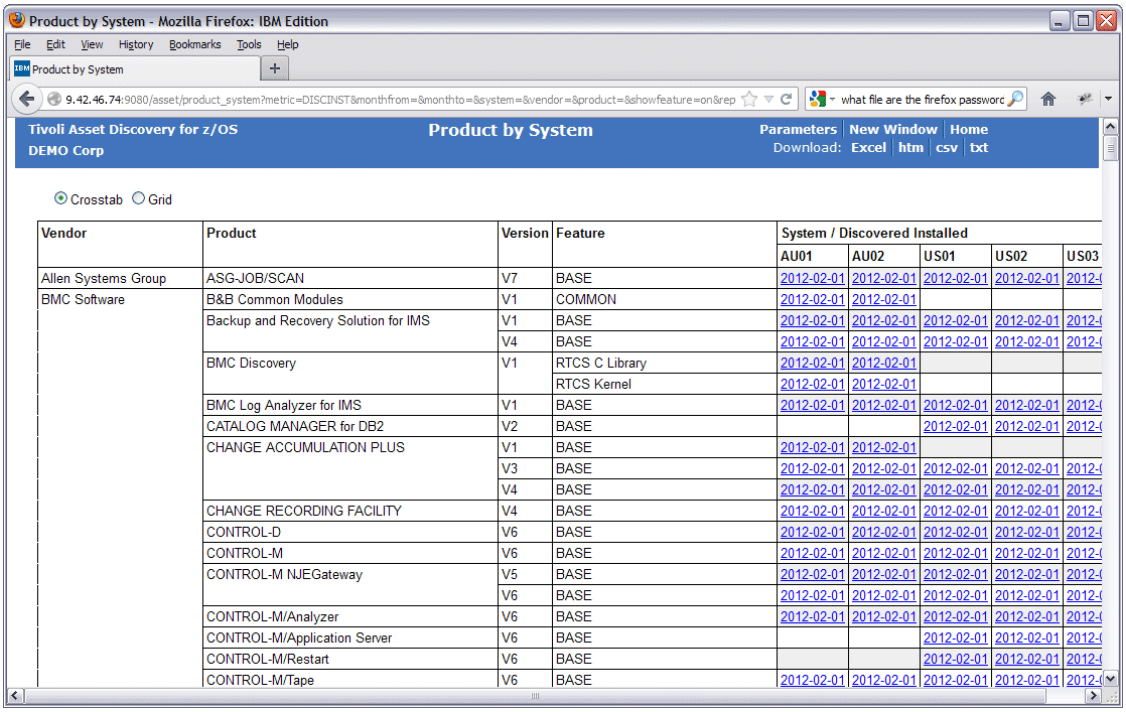
Online parameter	Batch mode parameter	Optional	Description
	To select multiple systems, repeat the line for each additional system.		are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Show PID	showpid= *on/off*	Yes	Includes the product identifier in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



There are a number of different Metrics that can be used to display data based upon the selected Systems. The example above shows the Last Used metric has been selected

Sample Output Discovered Installed Metric:



Product by System - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Product by System

9.42.46.74:9080/asset/product_system?metric=DISCINST&monthfrom=&monthto=&system=&vendor=&product=&showfeature=on&rep

Tivoli Asset Discovery for z/OS
DEMO Corp

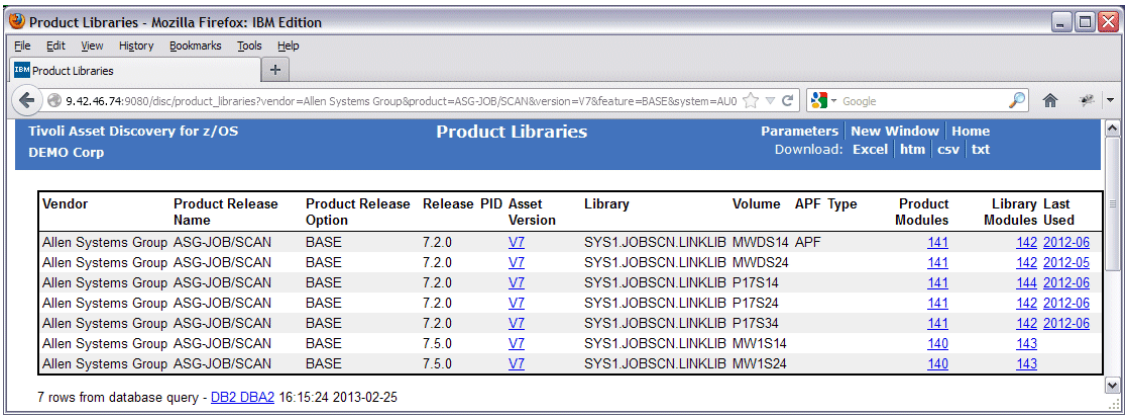
Product by System

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Crosstab Grid

Vendor	Product	Version	Feature	System / Discovered Installed				
				AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
BMC Software	B&B Common Modules	V1	COMMON	2012-02-01	2012-02-01			
	Backup and Recovery Solution for IMS	V1	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
		V4	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	BMC Discovery	V1	RTCS C Library	2012-02-01	2012-02-01			
			RTCS Kernel	2012-02-01	2012-02-01			
	BMC Log Analyzer for IMS	V1	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CATALOG MANAGER for DB2	V2	BASE			2012-02-01	2012-02-01	2012-
	CHANGE ACCUMULATION PLUS	V1	BASE	2012-02-01	2012-02-01			
		V3	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
		V4	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CHANGE RECORDING FACILITY	V4	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CONTROL-D	V6	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CONTROL-M	V6	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CONTROL-M NJEGateway	V5	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
		V6	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CONTROL-M/Analyzer	V6	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-
	CONTROL-M/Application Server	V6	BASE			2012-02-01	2012-02-01	2012-
	CONTROL-M/Restart	V6	BASE			2012-02-01	2012-02-01	2012-
	CONTROL-M/Tape	V6	BASE	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-

The report above shows the Discovered Installed dates for the selected products and systems. When a blank line is shown this means that the product is not installed on that particular system. To view the libraries that the product is installed in, select the date next to the product and the system you wish to view. The following screen will be displayed:



Product Libraries - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Product Libraries

9.42.46.74:9080/disc/product_libraries?vendor=Allen Systems Group&product=ASG-JOB/SCAN&version=V7&feature=BASE&system=AU0

Tivoli Asset Discovery for z/OS
DEMO Corp

Product Libraries

Parameters | New Window | Home
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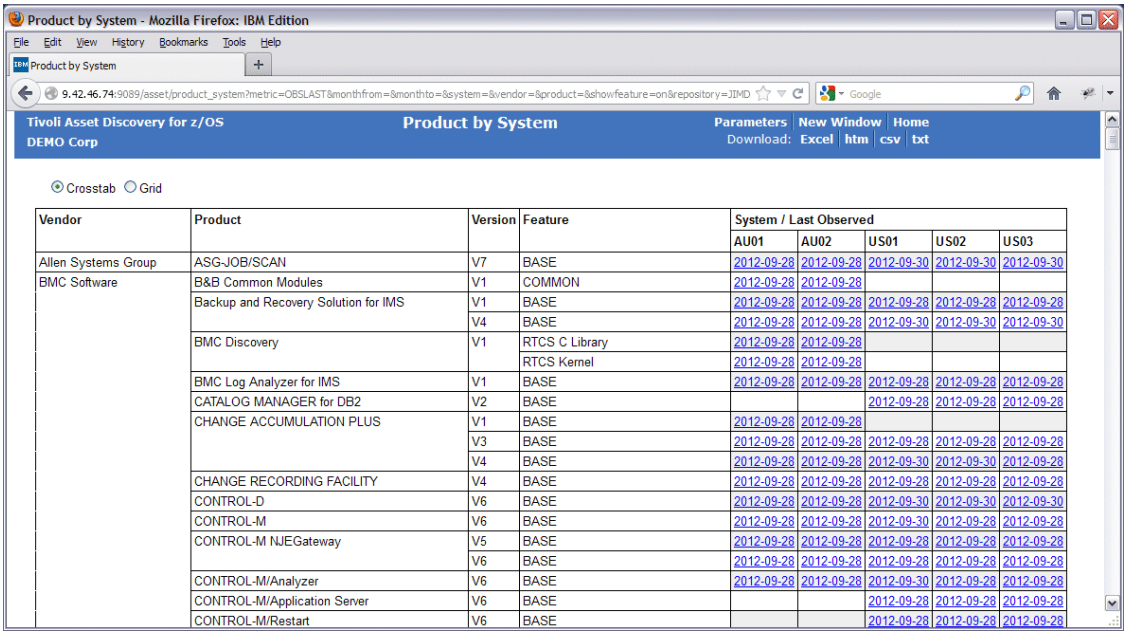
Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	APF	Type	Product Modules	Library Modules	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	APF		141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24			141	142	2012-05
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S14			141	144	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S24			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S34			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S14			140	143	
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	MW1S24			140	143	

7 rows from database query - DB2 DBA2 16:15:24 2013-02-25

The report above shows the libraries that the product was discovered in for the selected system. You can drill down to see more detail information such as viewing the load modules of the product or viewing all the load modules in the library.

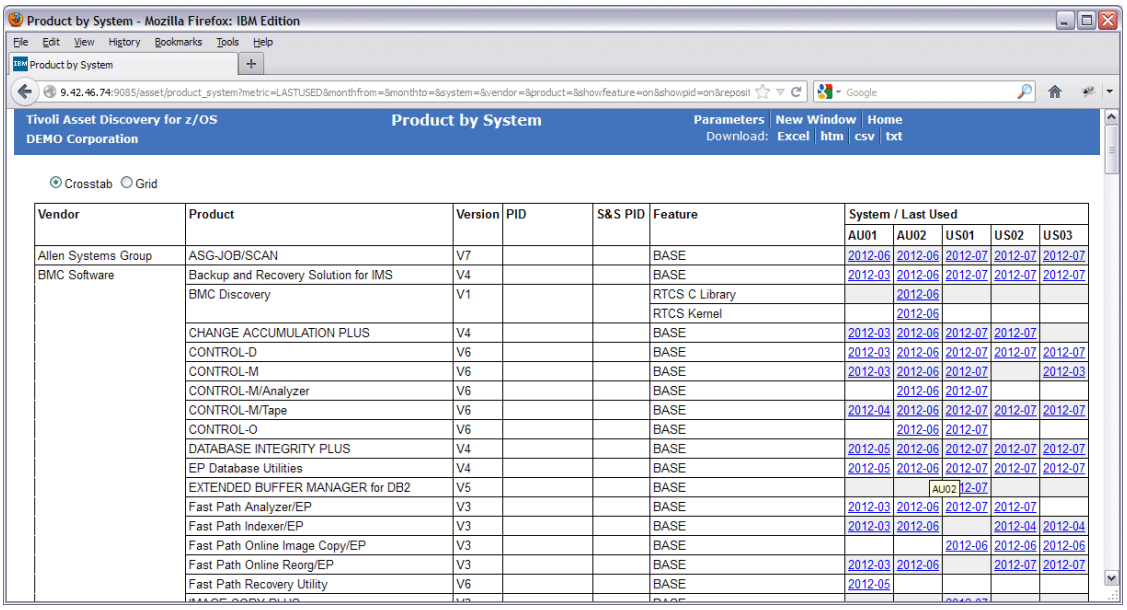
Sample Output Last Observed Metric:



Vendor	Product	Version	Feature	System / Last Observed				
				AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-30	2012-09-30
BMC Software	B&B Common Modules	V1	COMMON	2012-09-28	2012-09-28			
	Backup and Recovery Solution for IMS	V1	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
		V4	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-30	2012-09-30
	BMC Discovery	V1	RTCS C Library	2012-09-28	2012-09-28			
			RTCS Kernel	2012-09-28	2012-09-28			
	BMC Log Analyzer for IMS	V1	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
	CATALOG MANAGER for DB2	V2	BASE			2012-09-28	2012-09-28	2012-09-28
	CHANGE ACCUMULATION PLUS	V1	BASE	2012-09-28	2012-09-28			
		V3	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
		V4	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-30	2012-09-28
	CHANGE RECORDING FACILITY	V4	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
	CONTROL-D	V6	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-30	2012-09-30
	CONTROL-M	V6	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-28	2012-09-28
	CONTROL-M NJEGateway	V5	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
		V6	BASE	2012-09-28	2012-09-28	2012-09-28	2012-09-28	2012-09-28
	CONTROL-M/Analyzer	V6	BASE	2012-09-28	2012-09-28	2012-09-30	2012-09-28	2012-09-28
	CONTROL-M/Application Server	V6	BASE			2012-09-28	2012-09-28	2012-09-28
	CONTROL-M/Restart	V6	BASE			2012-09-28	2012-09-28	2012-09-28

The report above shows the Last Observed dates for the selected products and Systems. You can see when products were last observed during an IQ scan.

Sample Output Last Used Metric:



Vendor	Product	Version	PID	S&S PID	Feature	System / Last Used				
						AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	V7			BASE	2012-06	2012-06	2012-07	2012-07	2012-07
BMC Software	Backup and Recovery Solution for IMS	V4			BASE	2012-03	2012-06	2012-07	2012-07	2012-07
	BMC Discovery	V1			RTCS C Library		2012-06			
					RTCS Kernel		2012-06			
	CHANGE ACCUMULATION PLUS	V4			BASE	2012-03	2012-06	2012-07	2012-07	
	CONTROL-D	V6			BASE	2012-03	2012-06	2012-07	2012-07	2012-07
	CONTROL-M	V6			BASE	2012-03	2012-06	2012-07		2012-03
	CONTROL-M/Analyzer	V6			BASE		2012-06	2012-07		
	CONTROL-M/Tape	V6			BASE	2012-04	2012-06	2012-07	2012-07	2012-07
	CONTROL-O	V6			BASE		2012-06	2012-07		
	DATABASE INTEGRITY PLUS	V4			BASE	2012-05	2012-06	2012-07	2012-07	2012-07
	EP Database Utilities	V4			BASE	2012-05	2012-06	2012-07	2012-07	2012-07
	EXTENDED BUFFER MANAGER for DB2	V5			BASE			AU02 12-07		
	Fast Path Analyzer/EP	V3			BASE	2012-03	2012-06	2012-07	2012-07	
	Fast Path Indexer/EP	V3			BASE	2012-03	2012-06		2012-04	2012-04
	Fast Path Online Image Copy/EP	V3			BASE			2012-06	2012-06	2012-06
	Fast Path Online Reorg/EP	V3			BASE	2012-03	2012-06		2012-07	2012-07
	Fast Path Recovery Utility	V6			BASE	2012-05				

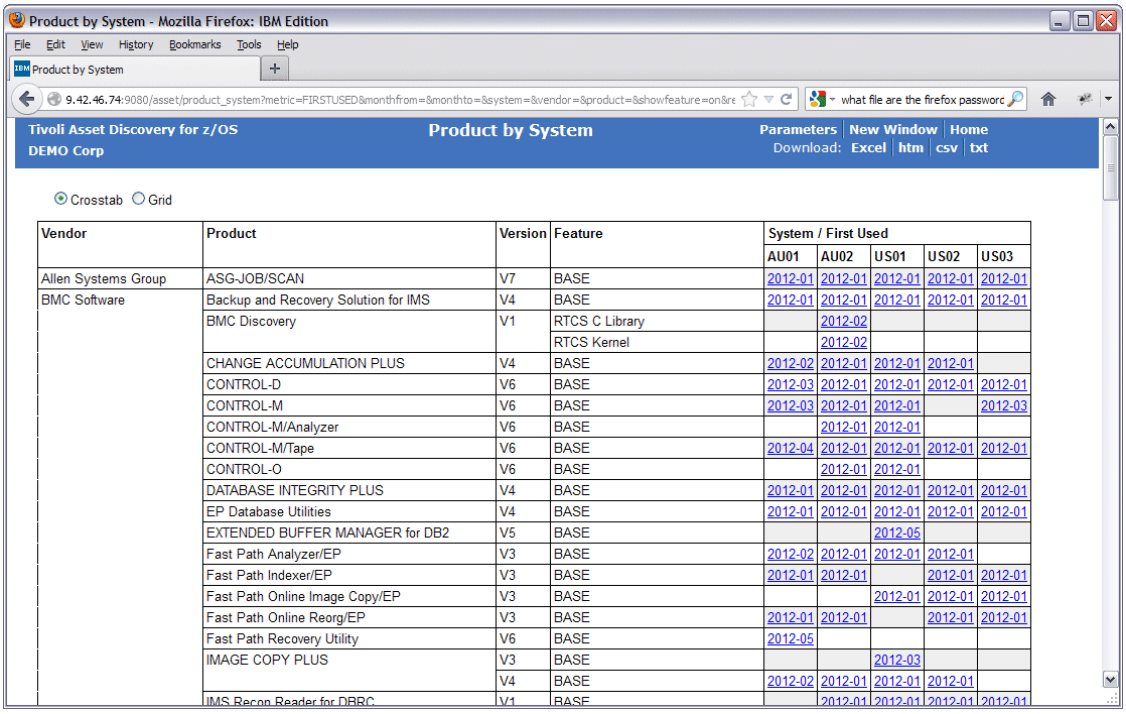
The report above shows the Last Used dates for the selected products and Systems. You can see what products were last used and which ones have no usage. You can drill down on the dates to get more detailed information. This will display the Product Use Trend Usage report which will allow you to drill down to see more information regarding the product.

Trend Use Selection:

Month	Users	Job Names	Job Accounts	SCRT MSUs	Events	Products	Systems	Machines
2012-01	5	5	3	0	1750	1	1	1
2012-02	10	10	5	0	3037	1	1	1
2012-03	9	9	4	0	1749	1	1	1
2012-04	4	4	2	0	900	1	1	1
2012-05	7	10	4	0	1444	1	1	1
2012-06	4	4	3	0	1206	1	1	1

From this report you can select to see the users, jobs, accounts and events for each of the periods that usage data was collected.

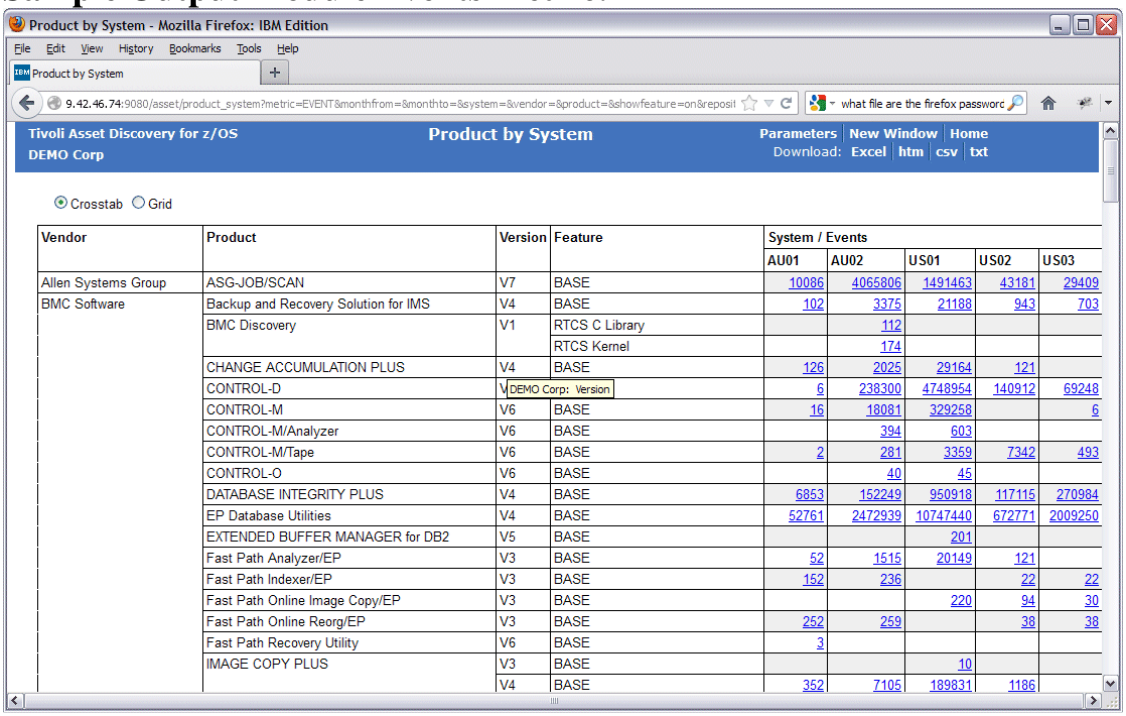
Sample Output First Used Metric:



Vendor	Product	Version	Feature	System / First Used				
				AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	2012-01	2012-01	2012-01	2012-01	2012-01
BMC Software	Backup and Recovery Solution for IMS	V4	BASE	2012-01	2012-01	2012-01	2012-01	2012-01
	BMC Discovery	V1	RTCS C Library		2012-02			
			RTCS Kernel		2012-02			
	CHANGE ACCUMULATION PLUS	V4	BASE	2012-02	2012-01	2012-01	2012-01	
	CONTROL-D	V6	BASE	2012-03	2012-01	2012-01	2012-01	2012-01
	CONTROL-M	V6	BASE	2012-03	2012-01	2012-01		2012-03
	CONTROL-M/Analyzer	V6	BASE		2012-01	2012-01		
	CONTROL-M/Tape	V6	BASE	2012-04	2012-01	2012-01	2012-01	2012-01
	CONTROL-O	V6	BASE		2012-01	2012-01		
	DATABASE INTEGRITY PLUS	V4	BASE	2012-01	2012-01	2012-01	2012-01	2012-01
	EP Database Utilities	V4	BASE	2012-01	2012-01	2012-01	2012-01	2012-01
	EXTENDED BUFFER MANAGER for DB2	V5	BASE			2012-05		
	Fast Path Analyzer/EP	V3	BASE	2012-02	2012-01	2012-01	2012-01	
	Fast Path Indexer/EP	V3	BASE	2012-01	2012-01		2012-01	2012-01
	Fast Path Online Image Copy/EP	V3	BASE			2012-01	2012-01	2012-01
	Fast Path Online Reorg/EP	V3	BASE	2012-01	2012-01		2012-01	2012-01
	Fast Path Recovery Utility	V6	BASE	2012-05				
	IMAGE COPY PLUS	V3	BASE			2012-03		
		V4	BASE	2012-02	2012-01	2012-01	2012-01	
	IMS Recon Reader for DBRC	V1	BASE		2012-01	2012-01	2012-01	2012-01

This report lists the first time that Usage was recorded for each product and on which system the usage was recorded from. You can drill down to see more detailed information by selecting the date for the product and system. This will display the Product Use Trend report.

Sample Output Module Events Metric:



Product by System - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product by System

Parameters | New Window | Home
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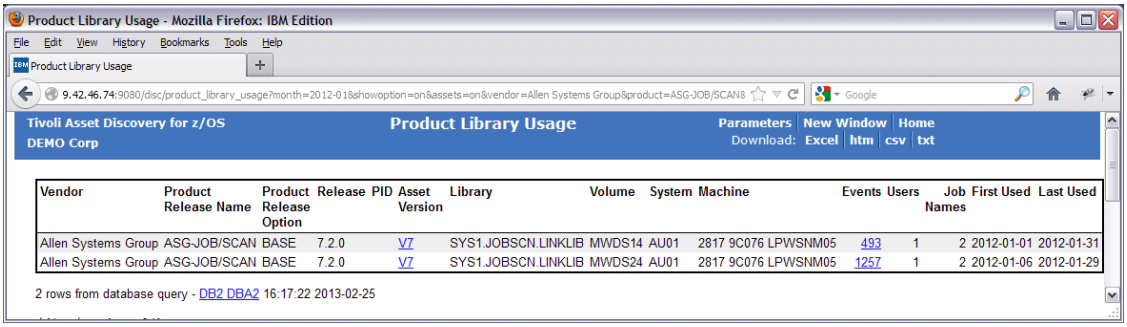
Crosstab / Grid

Vendor	Product	Version	Feature	System / Events				
				AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	10086	4065806	1491463	43181	29409
BMC Software	Backup and Recovery Solution for IMS	V4	BASE	102	3375	21188	943	703
	BMC Discovery	V1	RTCS C Library		112			
			RTCS Kernel		174			
	CHANGE ACCUMULATION PLUS	V4	BASE	126	2025	29164	121	
	CONTROL-D	V	DEMO Corp: Version	6	238300	4748954	140912	69248
	CONTROL-M	V6	BASE	16	18081	329258		6
	CONTROL-M/Analyzer	V6	BASE		394	603		
	CONTROL-M/Tape	V6	BASE	2	281	3359	7342	493
	CONTROL-O	V6	BASE		40	45		
	DATABASE INTEGRITY PLUS	V4	BASE	6853	152249	950918	117115	270984
	EP Database Utilities	V4	BASE	52761	2472939	10747440	672771	2009250
	EXTENDED BUFFER MANAGER for DB2	V5	BASE			201		
	Fast Path Analyzer/EP	V3	BASE	52	1515	20149	121	
	Fast Path Indexer/EP	V3	BASE	152	236		22	22
	Fast Path Online Image Copy/EP	V3	BASE			220	94	30
	Fast Path Online Reorg/EP	V3	BASE	252	259		38	38
	Fast Path Recovery Utility	V6	BASE	3				
	IMAGE COPY PLUS	V3	BASE			10		
		V4	BASE	352	7105	189831	1186	

This report show the number of module usage events against a product. Where you see a blank this signifies that no usage was recorded on that System. You can drill down to see the events from the Product Use Trend report by selecting the Events data. This will display the Product Library Usage report. You can then drill down to see the events from here.



Product Library Usage - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

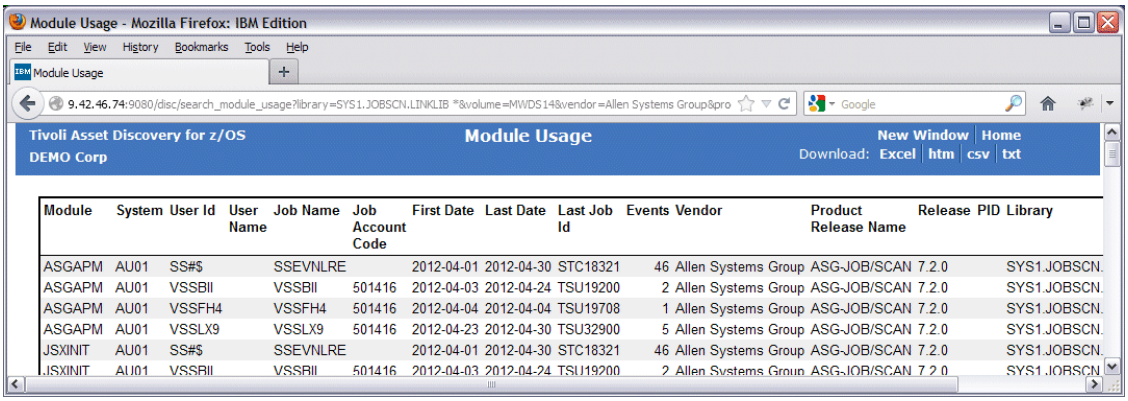
Product Library Usage

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	System	Machine	Events	Users	Job Names	First Used	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	AU01	2817 9C076 LPWSNM05	493	1	2	2012-01-01	2012-01-31
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24	AU01	2817 9C076 LPWSNM05	1257	1	2	2012-01-06	2012-01-29

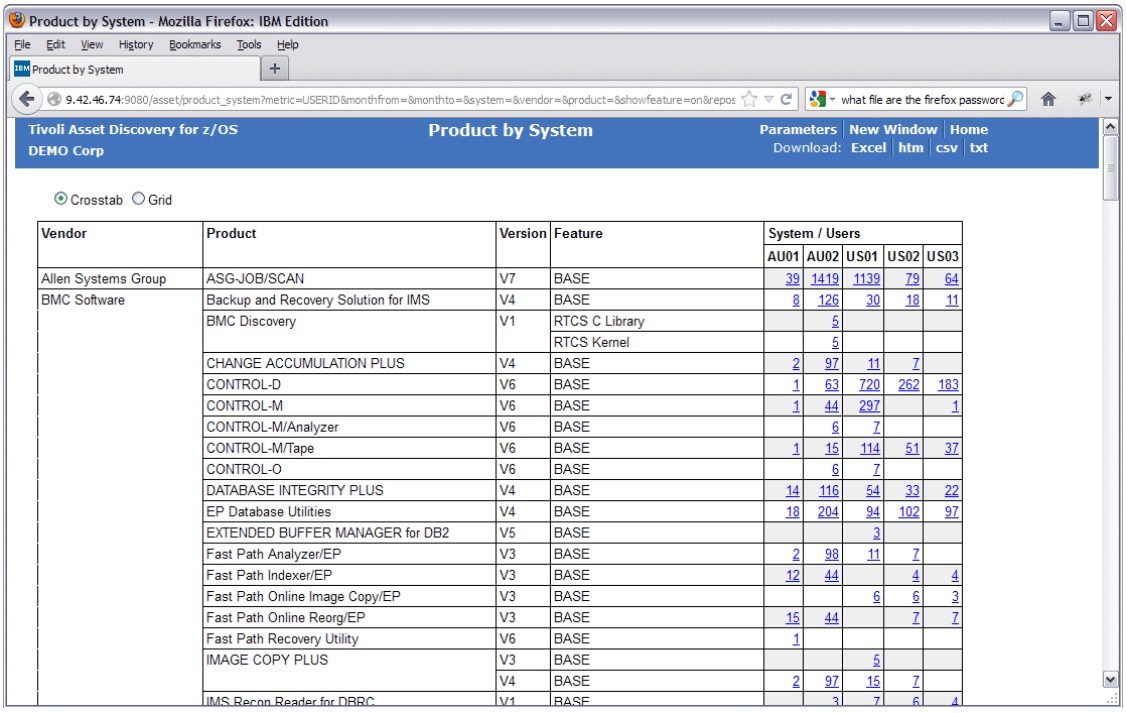
2 rows from database query - DB2 DBA2 16:17:22 2013-02-25

This report shows the Product Library Usage. From here you can see the load module events.

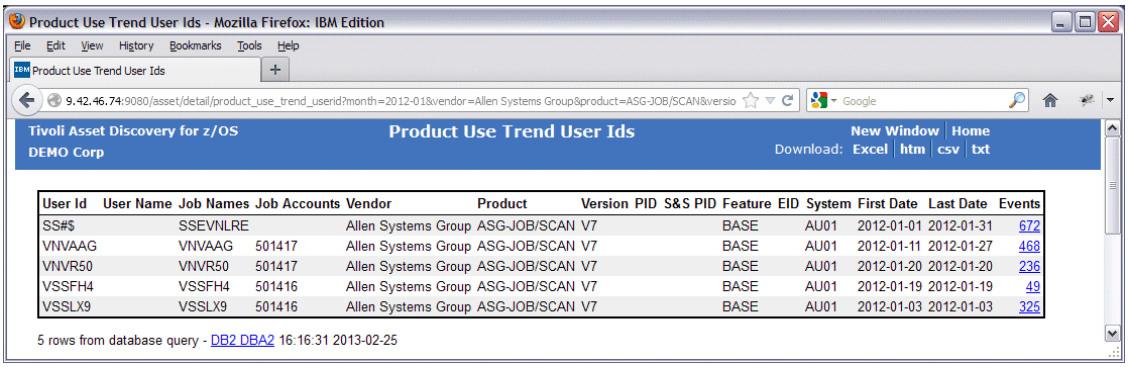


This report shows the load modules and how many times they were loaded for the discovered product. This screen also shows the first and last time the modules were loaded.

Sample Output User Id Count Metric:

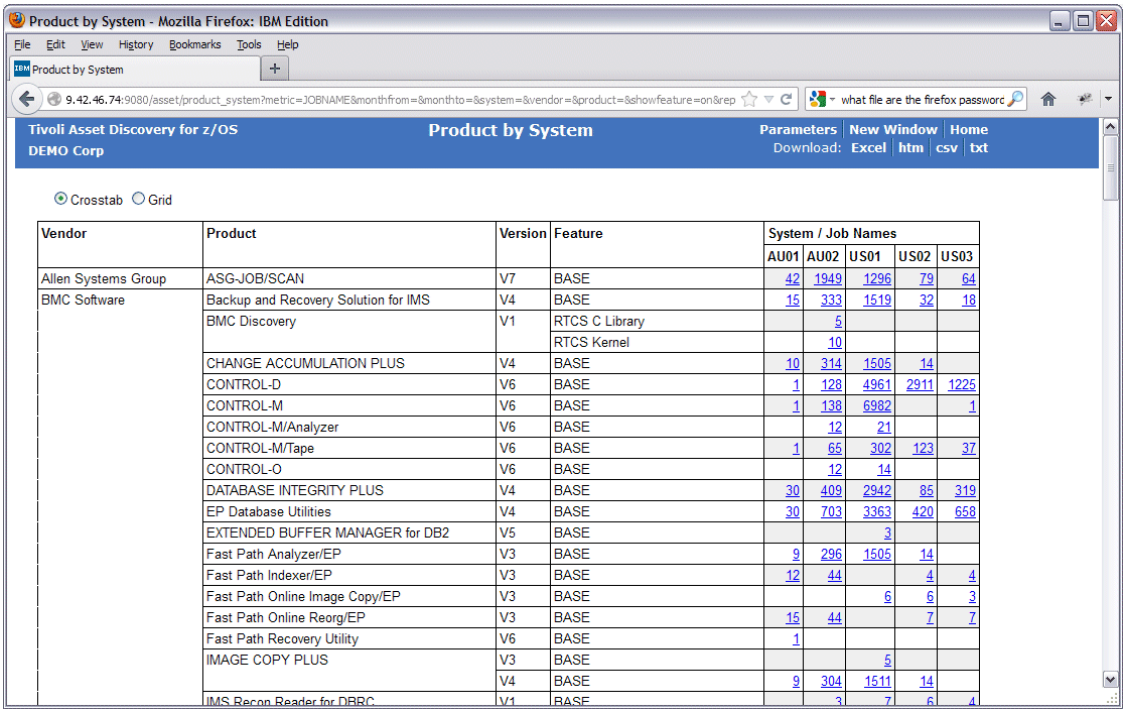


This report shows the number of unique users who executed the product during the selected period. Selecting the users drill down will display the Product Use Trend report. To see the users select the user column.

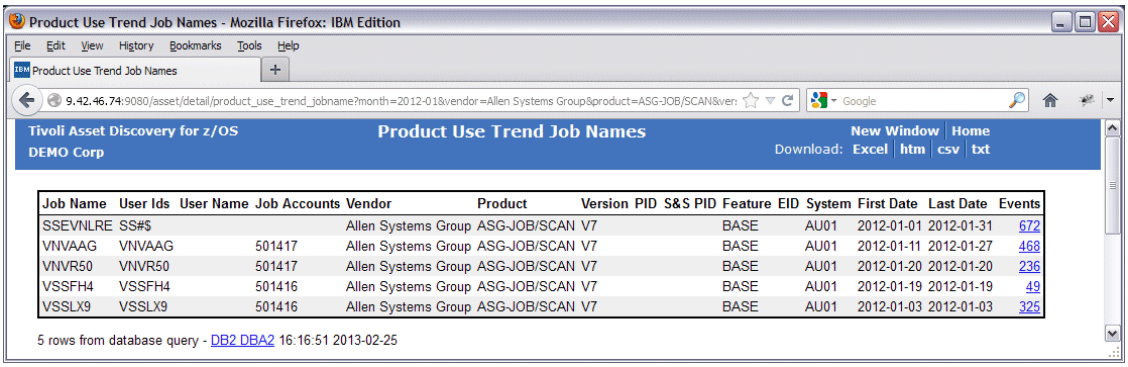


This report shows the number of unique users who executed the product during the selected period. Also from here you can drill down to see the load module usage report.

Sample Output Job Name Count Metric:

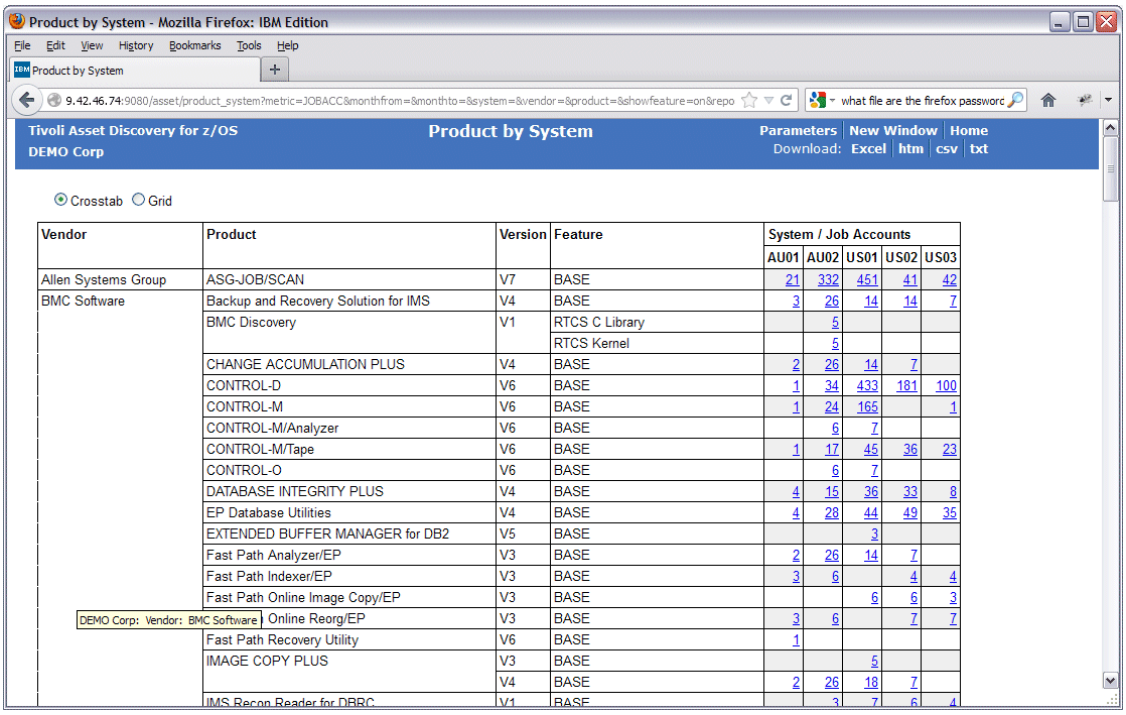


This report shows the number of unique Job Names that were used to execute the product during the selected period. Selecting the Job Names drill down will display the Product Use Trend report. To see the Jobs select the Job Name column.

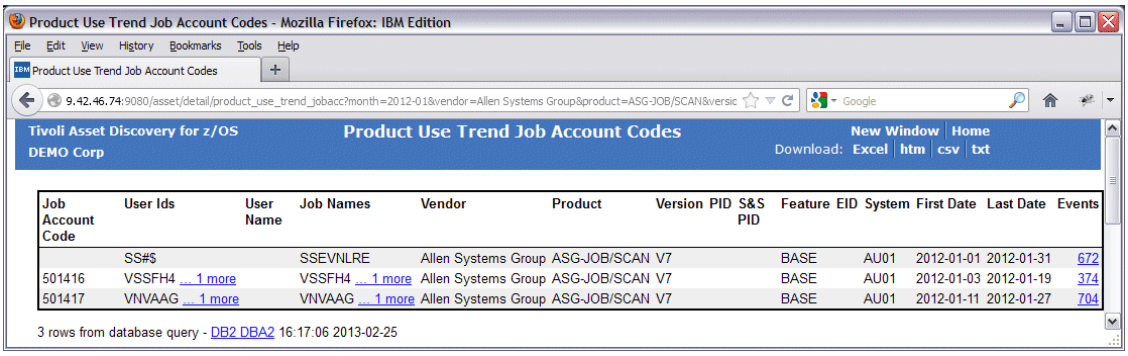


This report shows the number of unique Job Names that were used to execute the product. From here you can also drill down to see the load modules.

Sample Output Job Account Count Metric:

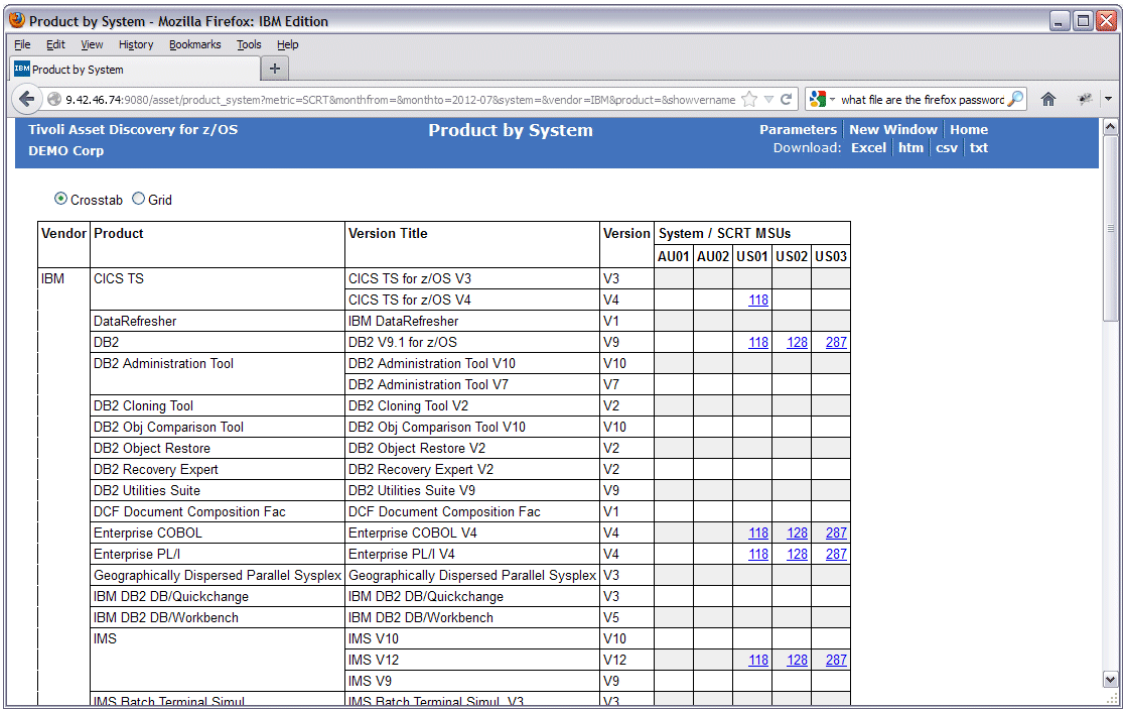


This report shows the number of unique Job Account codes that were used to execute the product during the selected period. Selecting the Job Accounts drill down will display the Product Use Trend report. To see the Job Accounts select the Job Account column.



This report shows the number of unique Job Account codes that were used to execute the product. From here you can drill down to see all the users and jobs. Also you can view the load module data.

Sample Output SCRT MSU Metric:



This report shows the number SCRT MSU's as reported by the SCRT tool. Selecting the SCRT MSU value will take you to the Product Use Trend report where you can drill down further to see more information regarding the product.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
PID	The PID of the product
S&S PID	The IBM S&S PID for the product
Feature	The feature of the product
System	The system the product is installed on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The last date the product was discovered by TADz
Last Used	The date the product was last used
First Used	The first time the usage was found for this product
Events	How many events (load module executions) were record for the product for each system
Users	The number of Unique users that executed the product for the selected period.
Job Names	The number of Unique Job Names that executed the product for the selected period.
Job Accounts	The number of Unique Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the system. This data is imported from the SCRT product.

Links to drilldown reports

- Product Use Trend report
- Discovered Installed and Last Observed: Product Libraries report

Product by Sysplex report

The Product by Sysplex report provides a summary of products by sysplex

Batch report query

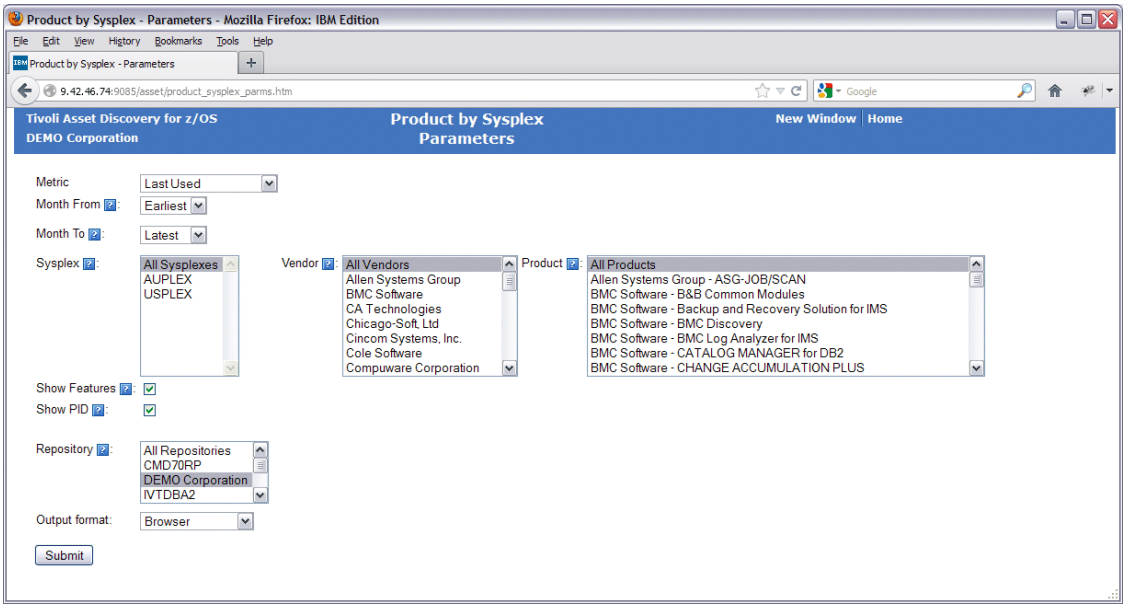
/asset/product_sysplex
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
sysplex = <*sysplex*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
showpid = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • FIRSTUSED: Show first used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month

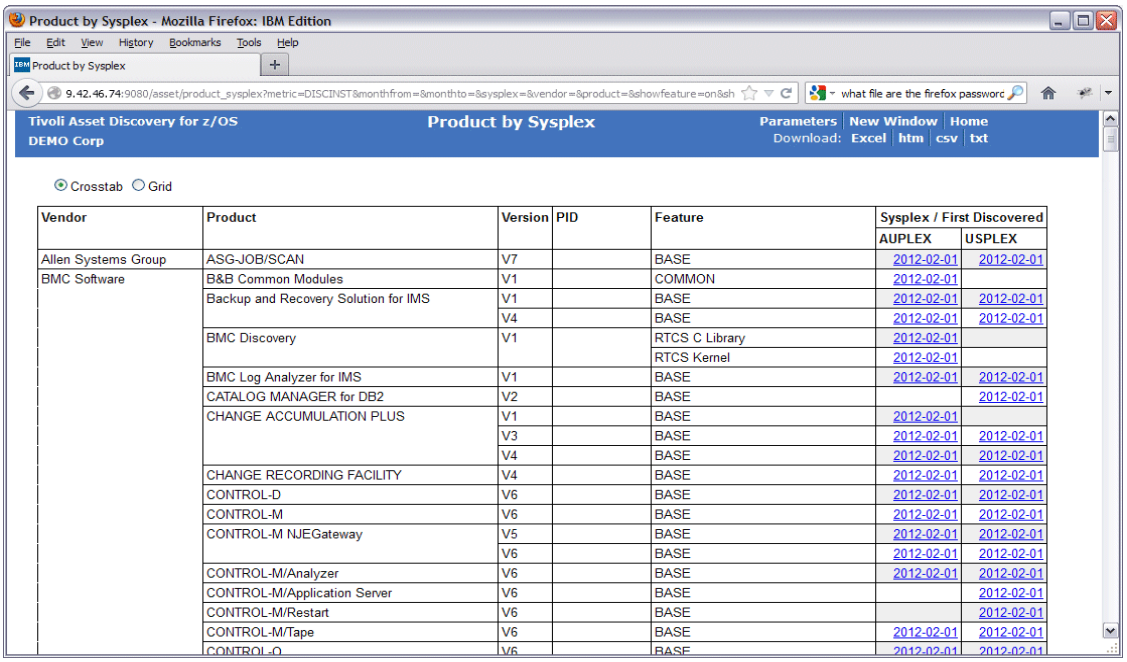
Online parameter	Batch mode parameter	Optional	Description
Sysplex	sysplex = <*sysplex*> To select multiple sysplexes, repeat the line for each additional sysplex.	Yes	In batch mode, if you do not specify a sysplex, all sysplexes are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Show PID	Showpid= *on/off*	Yes	Includes the product identifier in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Sysplex report is like the System report except the data is shown by Sysplex rather than by system. All Usage figures shown will be totalled based on how many Systems belong to each Sysplex.

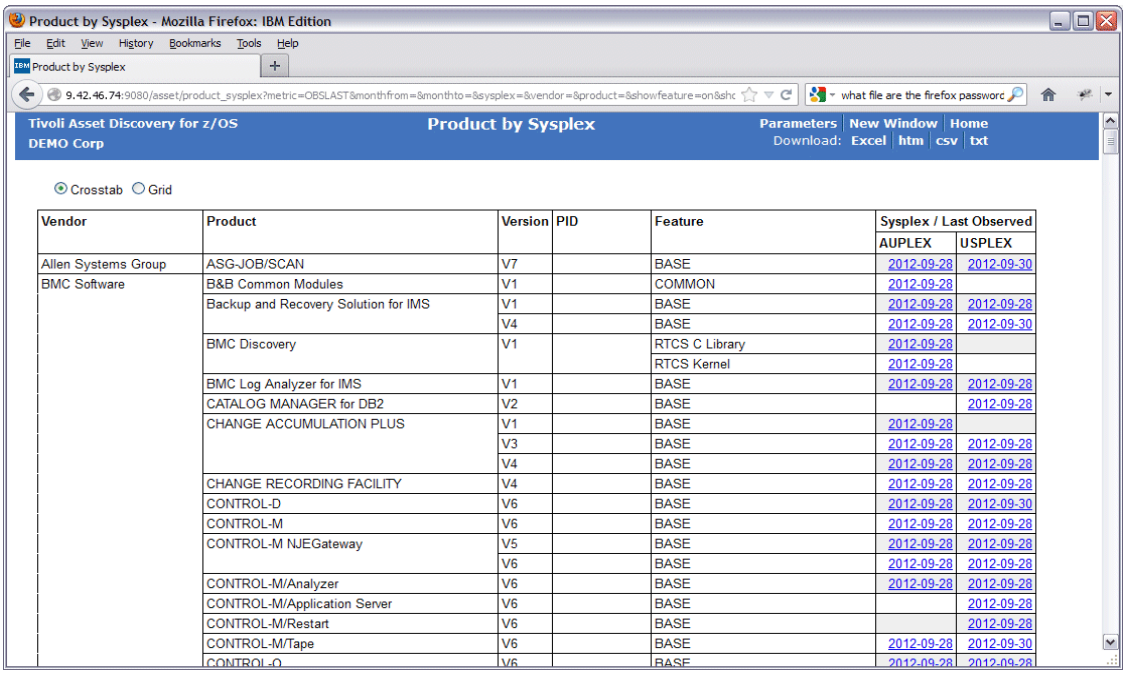
Sample Output Discovered Installed Metric:



Vendor	Product	Version	PID	Feature	Sysplex / First Discovered	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	2012-02-01	2012-02-01
BMC Software	B&B Common Modules	V1		COMMON	2012-02-01	
	Backup and Recovery Solution for IMS	V1		BASE	2012-02-01	2012-02-01
		V4		BASE	2012-02-01	2012-02-01
	BMC Discovery	V1		RTCS C Library	2012-02-01	
				RTCS Kernel	2012-02-01	
	BMC Log Analyzer for IMS	V1		BASE	2012-02-01	2012-02-01
	CATALOG MANAGER for DB2	V2		BASE		2012-02-01
	CHANGE ACCUMULATION PLUS	V1		BASE	2012-02-01	
		V3		BASE	2012-02-01	2012-02-01
		V4		BASE	2012-02-01	2012-02-01
	CHANGE RECORDING FACILITY	V4		BASE	2012-02-01	2012-02-01
	CONTROL-D	V6		BASE	2012-02-01	2012-02-01
	CONTROL-M	V6		BASE	2012-02-01	2012-02-01
	CONTROL-M NJEGateway	V5		BASE	2012-02-01	2012-02-01
		V6		BASE	2012-02-01	2012-02-01
	CONTROL-M/Analyzer	V6		BASE	2012-02-01	2012-02-01
	CONTROL-M/Application Server	V6		BASE		2012-02-01
	CONTROL-M/Restart	V6		BASE		2012-02-01
	CONTROL-M/Tape	V6		BASE	2012-02-01	2012-02-01
	CONTROL-O	V6		BASE	2012-02-01	2012-02-01

The Discovered installed metric will show the date that product was first seen on a Sysplex. Selecting the drill down will display the Product Libraries report.

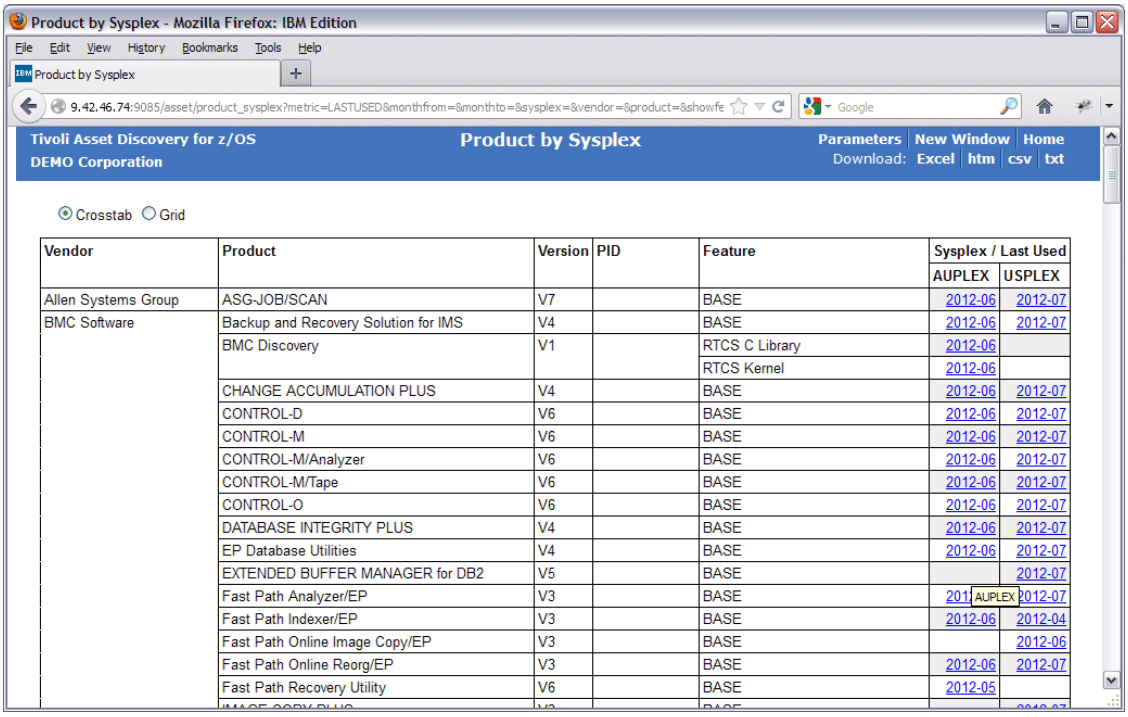
Sample Output Last Observed Metric:



Vendor	Product	Version	PID	Feature	Sysplex / Last Observed	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	2012-09-28	2012-09-30
BMC Software	B&B Common Modules	V1		COMMON	2012-09-28	
	Backup and Recovery Solution for IMS	V1		BASE	2012-09-28	2012-09-28
		V4		BASE	2012-09-28	2012-09-30
	BMC Discovery	V1		RTCS C Library	2012-09-28	
				RTCS Kernel	2012-09-28	
	BMC Log Analyzer for IMS	V1		BASE	2012-09-28	2012-09-28
	CATALOG MANAGER for DB2	V2		BASE		2012-09-28
	CHANGE ACCUMULATION PLUS	V1		BASE	2012-09-28	
		V3		BASE	2012-09-28	2012-09-28
		V4		BASE	2012-09-28	2012-09-28
	CHANGE RECORDING FACILITY	V4		BASE	2012-09-28	2012-09-28
	CONTROL-D	V6		BASE	2012-09-28	2012-09-30
	CONTROL-M	V6		BASE	2012-09-28	2012-09-28
	CONTROL-M NJEGateway	V5		BASE	2012-09-28	2012-09-28
		V6		BASE	2012-09-28	2012-09-28
	CONTROL-M/Analyzer	V6		BASE	2012-09-28	2012-09-28
	CONTROL-M/Application Server	V6		BASE		2012-09-28
	CONTROL-M/Restart	V6		BASE		2012-09-28
	CONTROL-M/Tape	V6		BASE	2012-09-28	2012-09-30
	CONTROL-O	V6		BASE	2012-09-28	2012-09-28

The Last Observed metric shows the last time the product was found on the Sysplex by TADz. Every time an IQ scan is done and the product is still on the system. This date will be updated with the date of the IQ scan. Selecting the drill down will display the Product Libraries report.

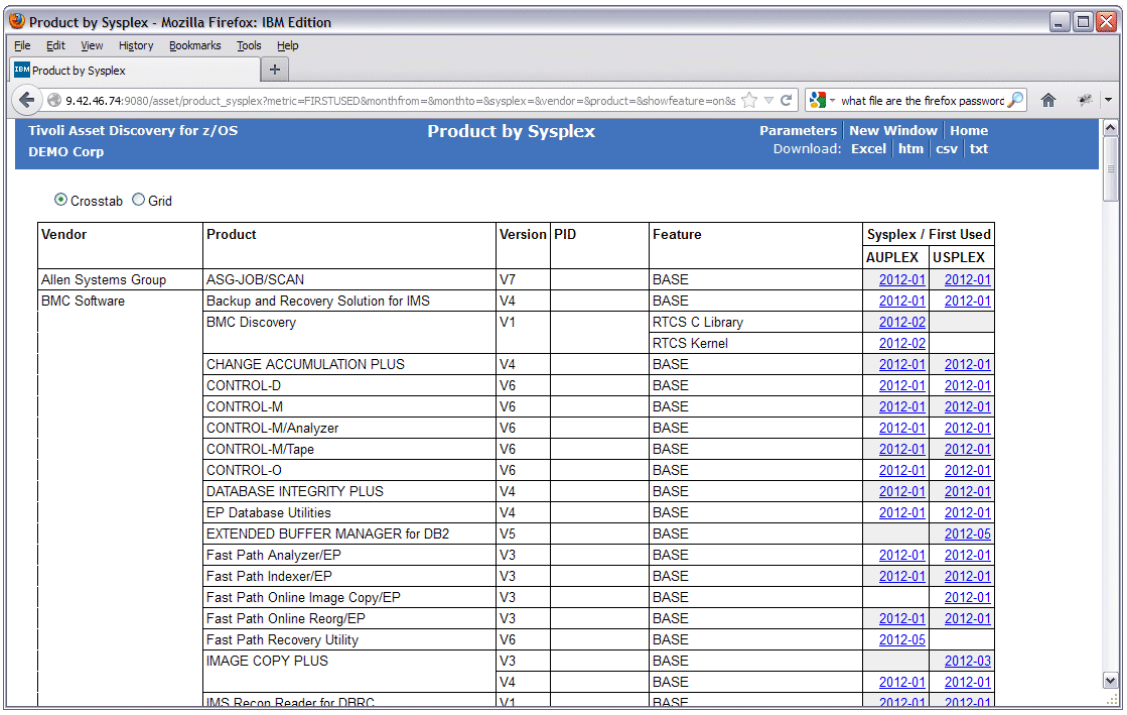
Sample Output Last Used Metric:



Vendor	Product	Version	PID	Feature	Sysplex / Last Used	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	2012-06	2012-07
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	2012-06	2012-07
	BMC Discovery	V1		RTCS C Library	2012-06	
				RTCS Kernel	2012-06	
	CHANGE ACCUMULATION PLUS	V4		BASE	2012-06	2012-07
	CONTROL-D	V6		BASE	2012-06	2012-07
	CONTROL-M	V6		BASE	2012-06	2012-07
	CONTROL-M/Analyzer	V6		BASE	2012-06	2012-07
	CONTROL-M/Tape	V6		BASE	2012-06	2012-07
	CONTROL-O	V6		BASE	2012-06	2012-07
	DATABASE INTEGRITY PLUS	V4		BASE	2012-06	2012-07
	EP Database Utilities	V4		BASE	2012-06	2012-07
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		2012-07
	Fast Path Analyzer/EP	V3		BASE	201	2012-07
	Fast Path Indexer/EP	V3		BASE	2012-06	2012-04
	Fast Path Online Image Copy/EP	V3		BASE		2012-06
	Fast Path Online Reorg/EP	V3		BASE	2012-06	2012-07
	Fast Path Recovery Utility	V6		BASE	2012-05	

The output above shows the Last Used information for Products by Sysplex. The date shown is the last time usage was recorded for the product on the Sysplex. Selecting the drill down will display the Product Use Trend report.

Sample Output First Used Metric:



Product by Sysplex - Mozilla Firefox: IBM Edition

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Product by Sysplex

9.42.46.74:9080/asset/product_sysplex?metric=FIRSTUSED&monthfrom=&monthto=&sysplex=&vendor=&product=&showfeature=on&

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Product by Sysplex

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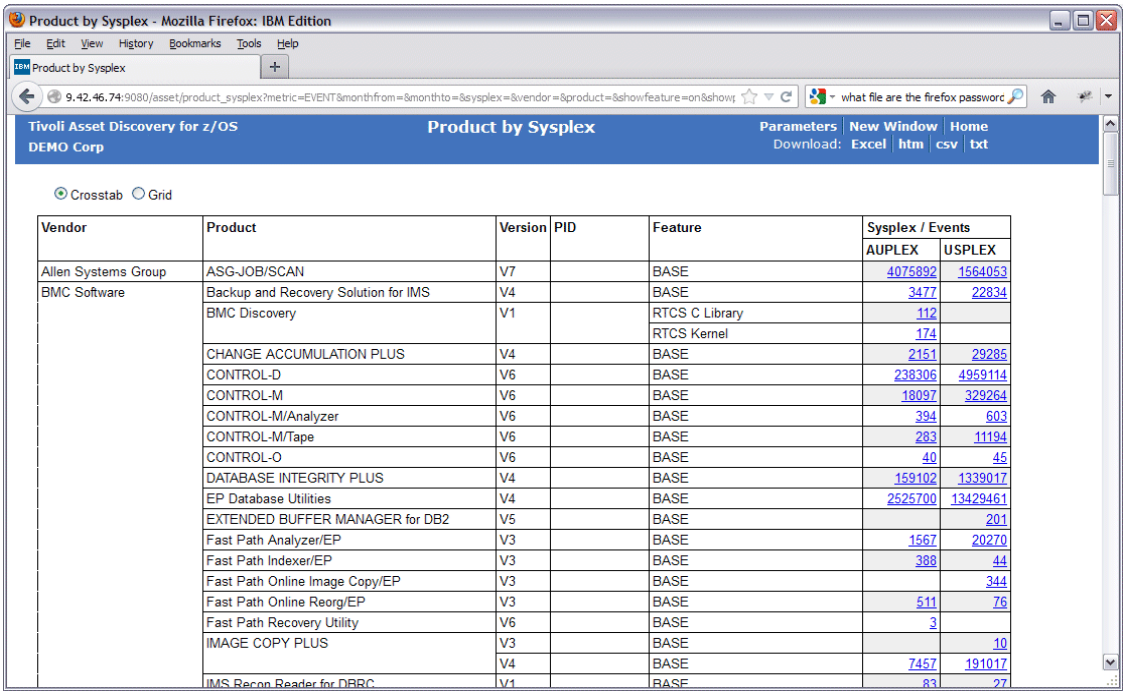
Crosstab Grid

Vendor	Product	Version	PID	Feature	Sysplex / First Used	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	2012-01	2012-01
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	2012-01	2012-01
	BMC Discovery	V1		RTCS C Library	2012-02	
				RTCS Kernel	2012-02	
	CHANGE ACCUMULATION PLUS	V4		BASE	2012-01	2012-01
	CONTROL-D	V6		BASE	2012-01	2012-01
	CONTROL-M	V6		BASE	2012-01	2012-01
	CONTROL-M/Analyzer	V6		BASE	2012-01	2012-01
	CONTROL-M/Tape	V6		BASE	2012-01	2012-01
	CONTROL-O	V6		BASE	2012-01	2012-01
	DATABASE INTEGRITY PLUS	V4		BASE	2012-01	2012-01
	EP Database Utilities	V4		BASE	2012-01	2012-01
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		2012-05
	Fast Path Analyzer/EP	V3		BASE	2012-01	2012-01
	Fast Path Indexer/EP	V3		BASE	2012-01	2012-01
	Fast Path Online Image Copy/EP	V3		BASE		2012-01
	Fast Path Online Reorg/EP	V3		BASE	2012-01	2012-01
	Fast Path Recovery Utility	V6		BASE	2012-05	
	IMAGE COPY PLUS	V3		BASE		2012-03
		V4		BASE	2012-01	2012-01
	IMS Recon Reader for DBRC	V1		BASE	2012-01	2012-01

The output above shows the First Used information for Products by Sysplex. This is the first date that usage was recorded for the product on the Sysplex. Selecting the drill down will display the Product Use Trend report.

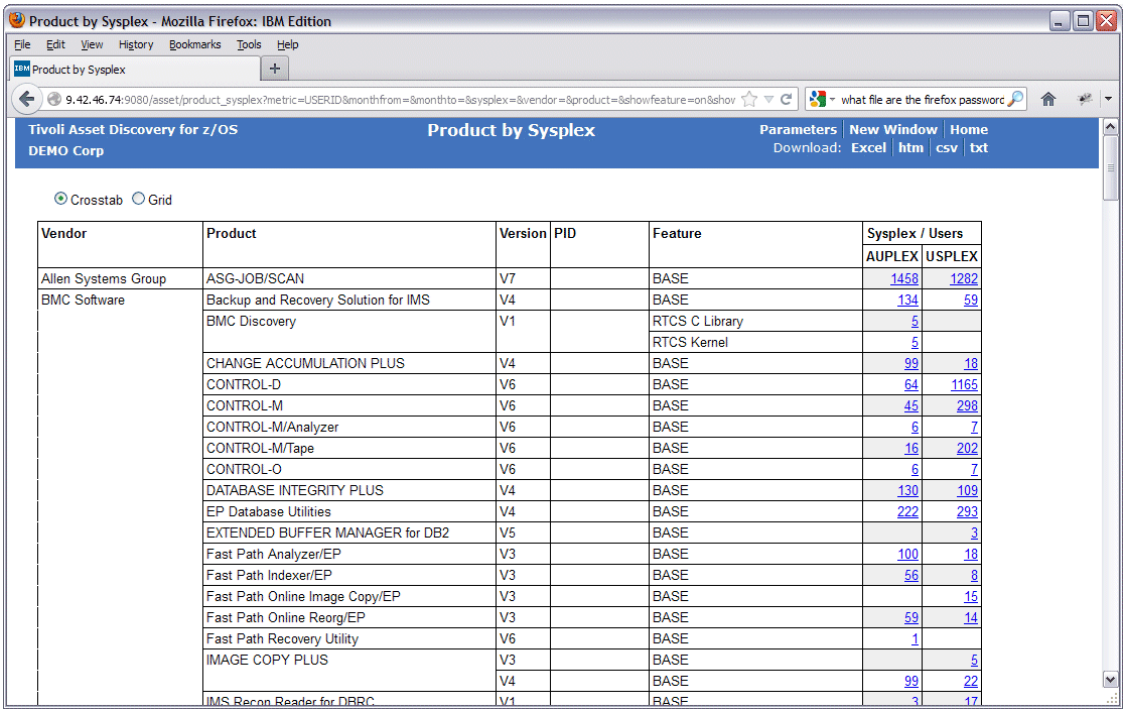
Sample Output Module Events Metric:



Vendor	Product	Version	PID	Feature	Sysplex / Events	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	4075892	1564053
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	3477	22834
	BMC Discovery	V1		RTCS C Library	112	
				RTCS Kernel	174	
	CHANGE ACCUMULATION PLUS	V4		BASE	2151	29285
	CONTROL-D	V6		BASE	238306	4959114
	CONTROL-M	V6		BASE	18097	329264
	CONTROL-M/Analyzer	V6		BASE	394	603
	CONTROL-M/Tape	V6		BASE	283	11194
	CONTROL-O	V6		BASE	40	45
	DATABASE INTEGRITY PLUS	V4		BASE	159102	1339017
	EP Database Utilities	V4		BASE	2525700	13429461
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		201
	Fast Path Analyzer/EP	V3		BASE	1567	20270
	Fast Path Indexer/EP	V3		BASE	388	44
	Fast Path Online Image Copy/EP	V3		BASE		344
	Fast Path Online Reorg/EP	V3		BASE	511	76
	Fast Path Recovery Utility	V6		BASE	3	
	IMAGE COPY PLUS	V3		BASE		10
		V4		BASE	7457	191017
	IMS Recon Reader for DBRC	V1		BASE	83	27

The output above shows the Module Events information for Products by Sysplex. The figure shown is the sum of all Systems on each Sysplex. Selecting the drill down will display the Product Use Trend report.

Sample Output User Id Count Metric:



Product by Sysplex - Mozilla Firefox: IBM Edition

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Product by Sysplex

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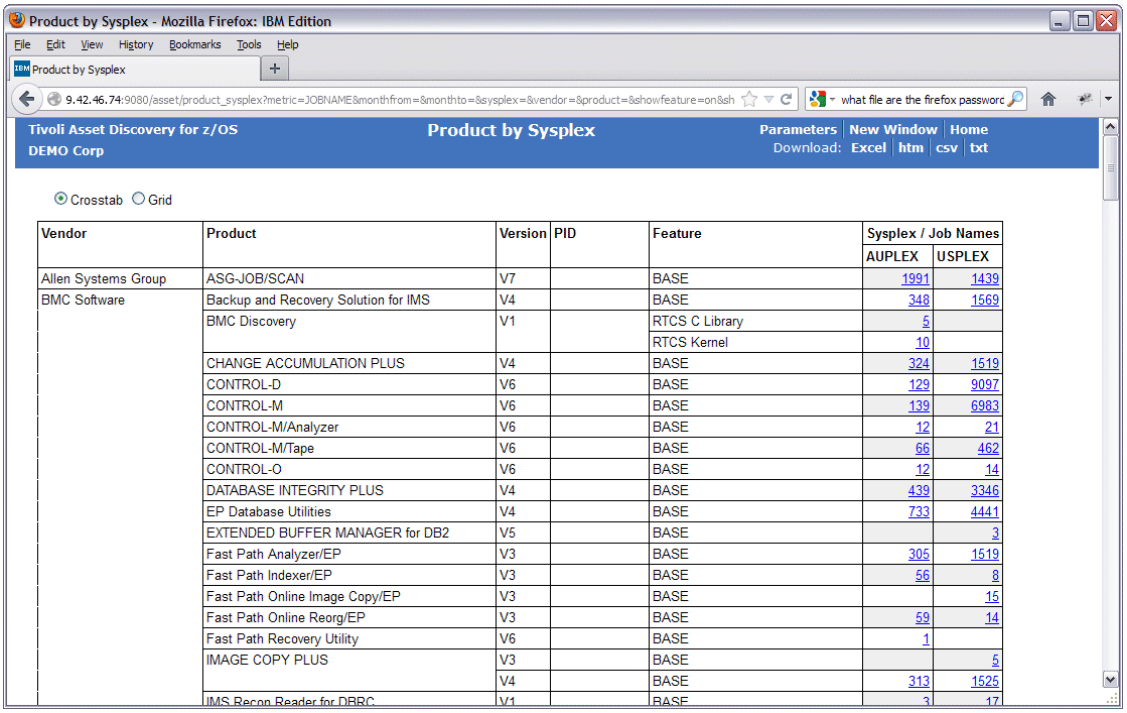
Crosstab / Grid

Vendor	Product	Version	PID	Feature	Sysplex / Users	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	1458	1282
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	134	59
	BMC Discovery	V1		RTCS C Library	5	
				RTCS Kernel	5	
	CHANGE ACCUMULATION PLUS	V4		BASE	99	18
	CONTROL-D	V6		BASE	64	1165
	CONTROL-M	V6		BASE	45	298
	CONTROL-M/Analyzer	V6		BASE	6	7
	CONTROL-M/Tape	V6		BASE	16	202
	CONTROL-O	V6		BASE	6	7
	DATABASE INTEGRITY PLUS	V4		BASE	130	109
	EP Database Utilities	V4		BASE	222	293
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		3
	Fast Path Analyzer/EP	V3		BASE	100	18
	Fast Path Indexer/EP	V3		BASE	56	8
	Fast Path Online Image Copy/EP	V3		BASE		15
	Fast Path Online Reorg/EP	V3		BASE	59	14
	Fast Path Recovery Utility	V6		BASE	1	
	IMAGE COPY PLUS	V3		BASE		5
		V4		BASE	99	22
	IMS Recon Reader for DBRC	V1		BASE	3	17

This report shows the number of users who executed the product during the selected period. Selecting the users drill down will display the Product Use Trend report.

Sample Output Job Name Count Metric:



Product by Sysplex - Mozilla Firefox: IBM Edition

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Product by Sysplex

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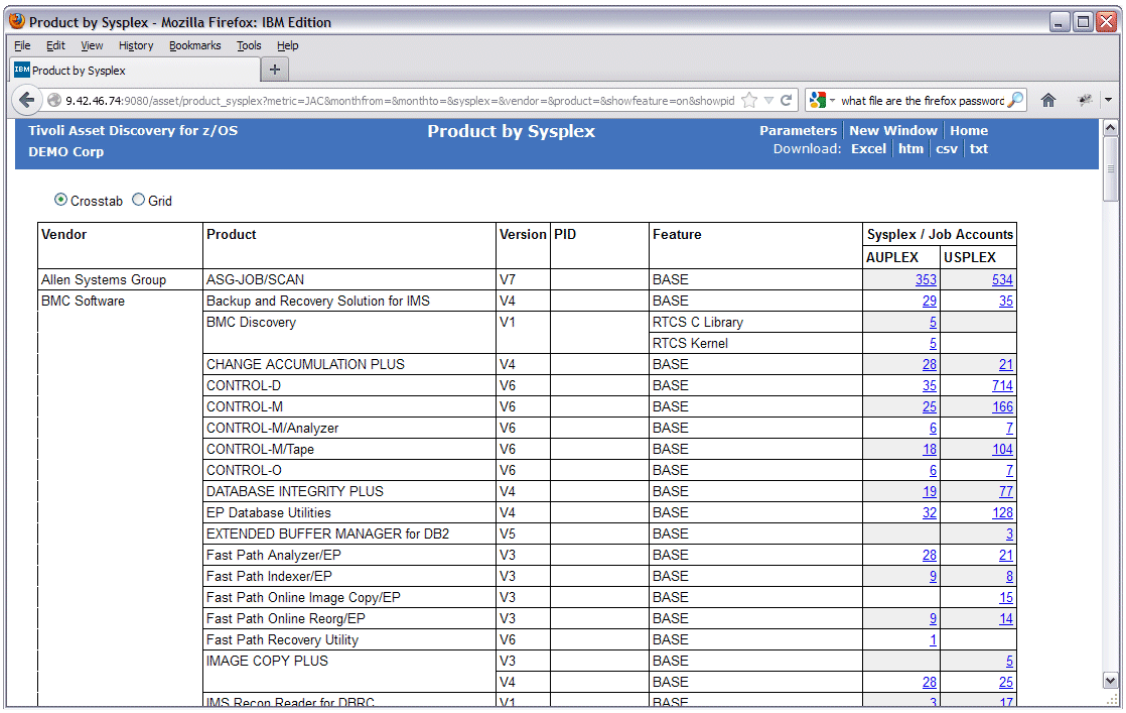
Crosstab / Grid

Vendor	Product	Version	PID	Feature	Sysplex / Job Names	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	1991	1439
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	348	1569
	BMC Discovery	V1		RTCS C Library	5	
				RTCS Kernel	10	
	CHANGE ACCUMULATION PLUS	V4		BASE	324	1519
	CONTROL-D	V6		BASE	129	9097
	CONTROL-M	V6		BASE	139	6983
	CONTROL-M/Analyzer	V6		BASE	12	21
	CONTROL-M/Tape	V6		BASE	66	462
	CONTROL-O	V6		BASE	12	14
	DATABASE INTEGRITY PLUS	V4		BASE	439	3346
	EP Database Utilities	V4		BASE	733	4441
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		3
	Fast Path Analyzer/EP	V3		BASE	305	1519
	Fast Path Indexer/EP	V3		BASE	56	8
	Fast Path Online Image Copy/EP	V3		BASE		15
	Fast Path Online Reorg/EP	V3		BASE	59	14
	Fast Path Recovery Utility	V6		BASE	1	
	IMAGE COPY PLUS	V3		BASE		5
		V4		BASE	313	1525
	IMS Recon Reader for DBRC	V1		BASE	3	17

This report shows the number of Job Names who executed the product during the selected period. Selecting the Job Names drill down will display the Product Use Trend report.

Sample Output Job Account Count Metric:



Product by Sysplex - Mozilla Firefox: IBM Edition

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Product by Sysplex

9.42.46.74:9080/asset/product_sysplex?metric=JAC&monthfrom=&monthto=&sysplex=&vendor=&product=&showfeature=on&showpid

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Product by Sysplex

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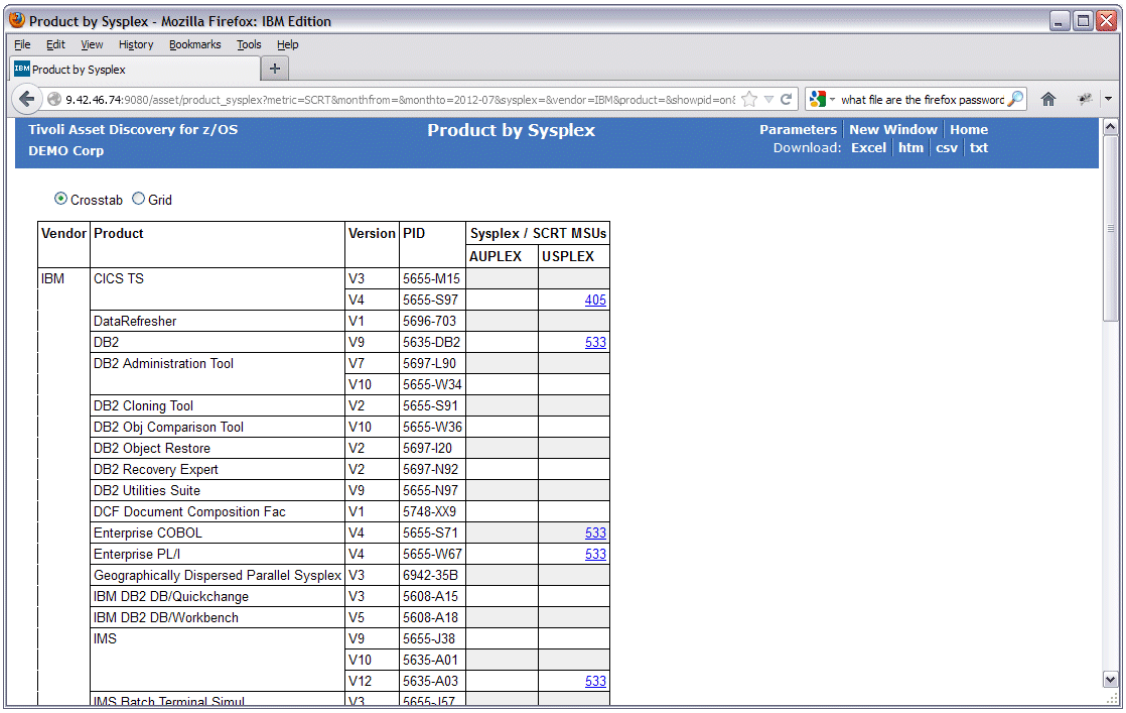
Crosstab Grid

Vendor	Product	Version	PID	Feature	Sysplex / Job Accounts	
					AUPLEX	USPLEX
Allen Systems Group	ASG-JOB/SCAN	V7		BASE	353	534
BMC Software	Backup and Recovery Solution for IMS	V4		BASE	29	35
	BMC Discovery	V1		RTCS C Library	5	
				RTCS Kernel	5	
	CHANGE ACCUMULATION PLUS	V4		BASE	28	21
	CONTROL-D	V6		BASE	35	714
	CONTROL-M	V6		BASE	25	166
	CONTROL-M/Analyzer	V6		BASE	6	7
	CONTROL-M/Tape	V6		BASE	18	104
	CONTROL-O	V6		BASE	6	7
	DATABASE INTEGRITY PLUS	V4		BASE	19	77
	EP Database Utilities	V4		BASE	32	128
	EXTENDED BUFFER MANAGER for DB2	V5		BASE		3
	Fast Path Analyzer/EP	V3		BASE	28	21
	Fast Path Indexer/EP	V3		BASE	9	8
	Fast Path Online Image Copy/EP	V3		BASE		15
	Fast Path Online Reorg/EP	V3		BASE	9	14
	Fast Path Recovery Utility	V6		BASE	1	
	IMAGE COPY PLUS	V3		BASE		5
		V4		BASE	28	25
	IMS Recon Reader for DBRC	V1		BASE	3	17

This report shows the number of Job Account Codes who executed the product during the selected period. Selecting the Job Accounts drill down will display the Product Use Trend report.

Sample Output SCRT MSU Metric:



Vendor	Product	Version	PID	Sysplex / SCRT MSUs	
				AUPLEX	USPLEX
IBM	CICS TS	V3	5655-M15		
		V4	5655-S97		405
	DataRefresher	V1	5696-703		
	DB2	V9	5635-DB2		533
	DB2 Administration Tool	V7	5697-L90		
		V10	5655-W34		
	DB2 Cloning Tool	V2	5655-S91		
	DB2 Obj Comparison Tool	V10	5655-W36		
	DB2 Object Restore	V2	5697-I20		
	DB2 Recovery Expert	V2	5697-N92		
	DB2 Utilities Suite	V9	5655-N97		
	DCF Document Composition Fac	V1	5748-XX9		
	Enterprise COBOL	V4	5655-S71		533
	Enterprise PL/I	V4	5655-W67		533
	Geographically Dispersed Parallel Sysplex	V3	6942-35B		
	IBM DB2 DB/Quickchange	V3	5608-A15		
	IBM DB2 DB/Workbench	V5	5608-A18		
	IMS	V9	5655-J38		
		V10	5635-A01		
		V12	5635-A03		533
	IMS Batch Terminal Simul	V3	5655-I57		

This report shows the number SCRT MSU's as reported by the SCRT tool. Selecting the SCRT MSU value will take you to the Product Use Trend report.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
PID	The PID of the product
Feature	The feature of the product
Sysplex	The Sysplex the product was last used on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The last date the product was discovered by TADz
Last Used	The date the product was last used
First Used	The first time the usage was found for this product
Events	How many events (load module executions) were record for the product for each Sysplex
Users	The number of users that executed the product for the selected period.
Job Names	The number of Job Names that executed the product for the selected period.
Job Accounts	The number of Job Account Codes that executed the product for the selected period.

Column Name	Description
SCRT MSU	The maximum SCRT MSU found for the product on the Sysplex. This data is imported from the SCRT product.

Links to drilldown reports

- Product Use Trend report
- Discovered Installed and Last Observed: Product Libraries report

Product by System Group report

The Product by System Group report provides a summary of products by system

Batch report query

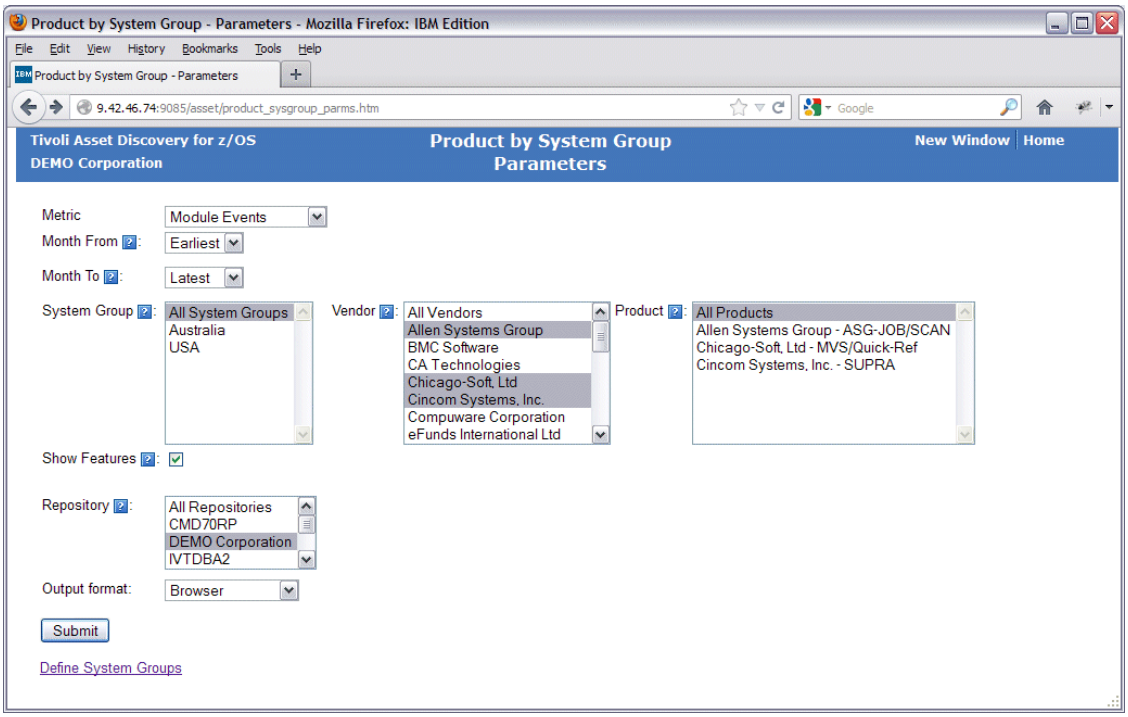
/asset/product_sysgroup
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
sysgroup = <*sysgroup*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System Group	sysgroup = <*sysgroup*> To select multiple	Yes	In batch mode, if you do not specify a system group, all system groups are included

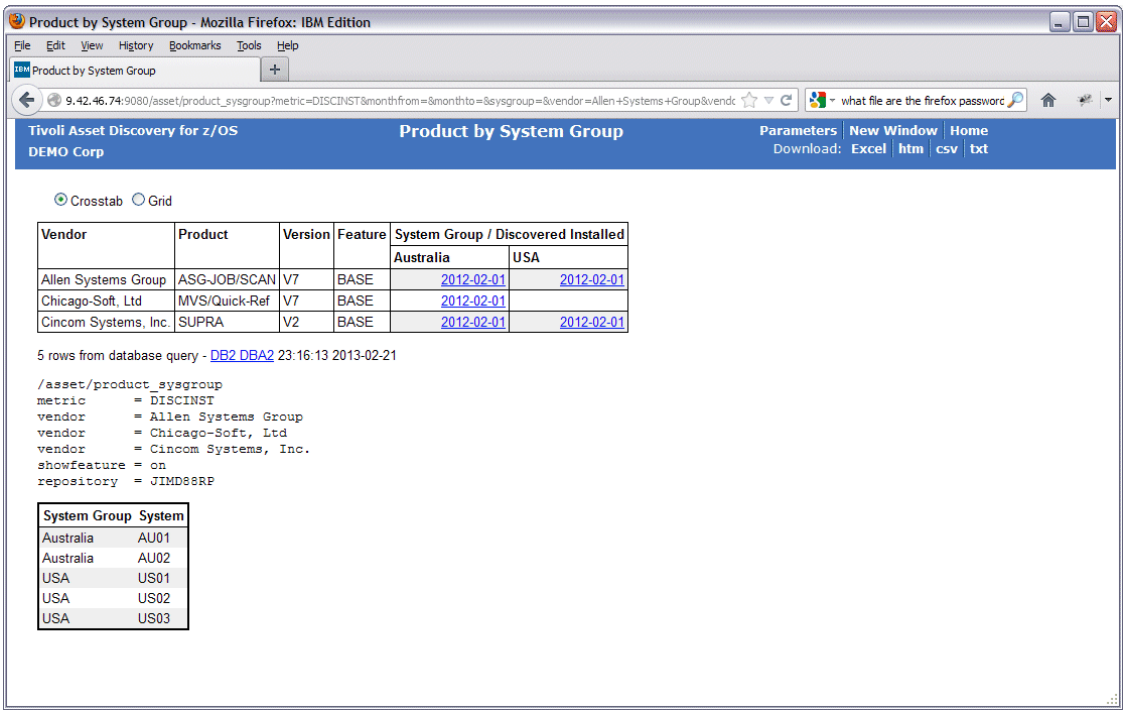
Online parameter	Batch mode parameter	Optional	Description
	system groups, repeat the line for each additional system group.		in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



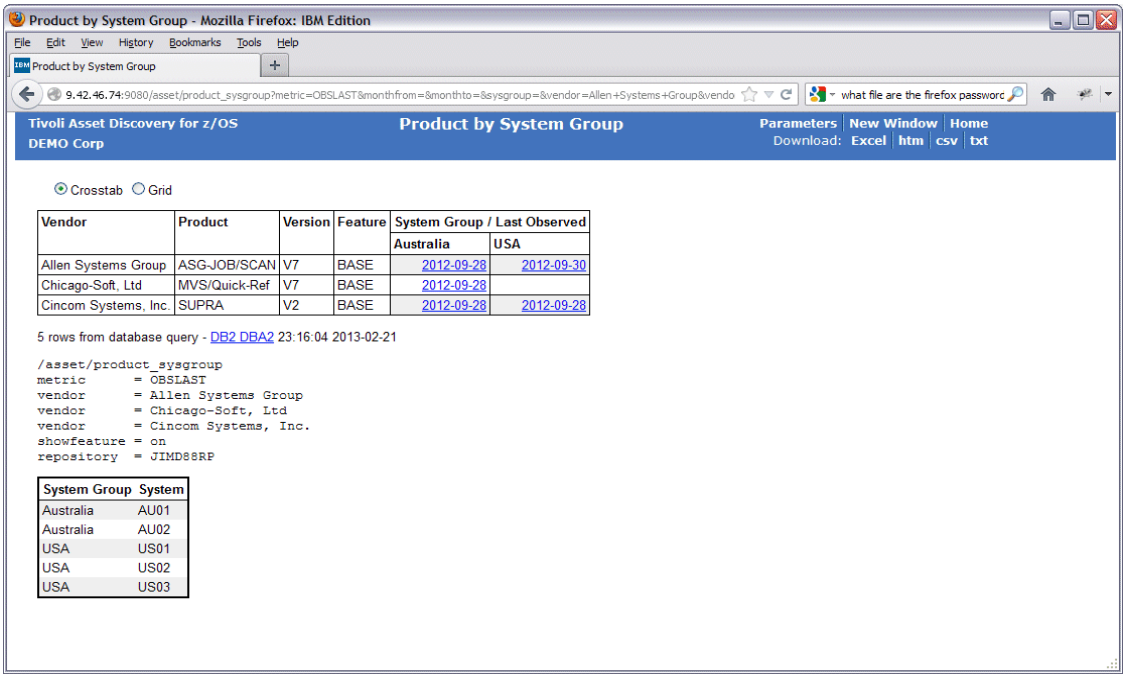
The Product by System Group will show you data from multiple systems grouped together under a single Title. The above screen shows that 2 System Groups have been created. From this screen it's also possible to create new System groups as long as you have been given TADz Administrator access. Otherwise ask your Administrator to create new System Groups.

Sample Output Discovered Installed Metric:



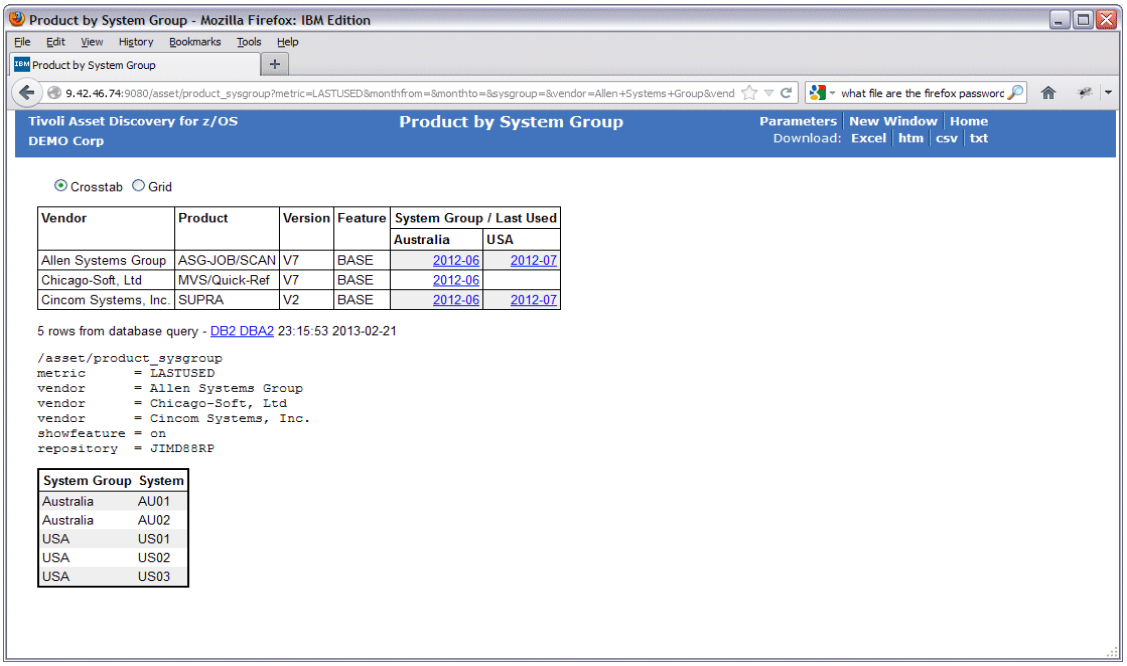
This report shows the Discovered Install dates for the selected products. Selecting the Discovered install date will take you to the Product Libraries report. You will note at the bottom of the screen a box showing the systems that have been defined for each System Group.

Sample Output Last Observed Metric:



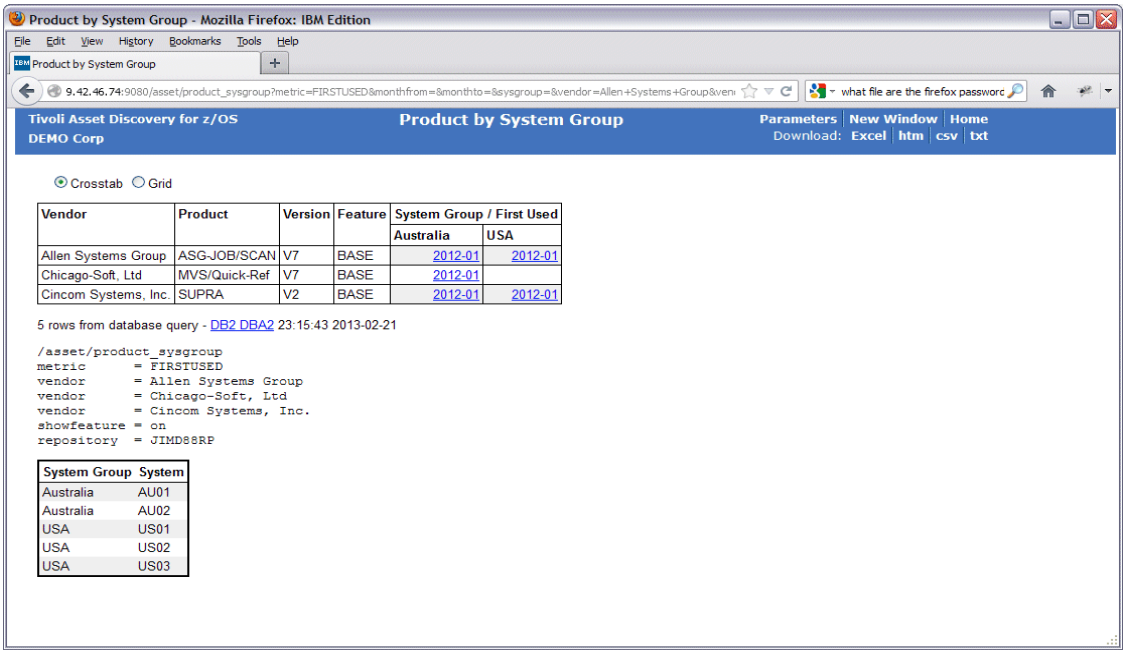
This report shows the Last Observed dates for the selected products. Selecting the Last Observed date will take you to the Product Libraries report.

Sample Output Last Used Metric:



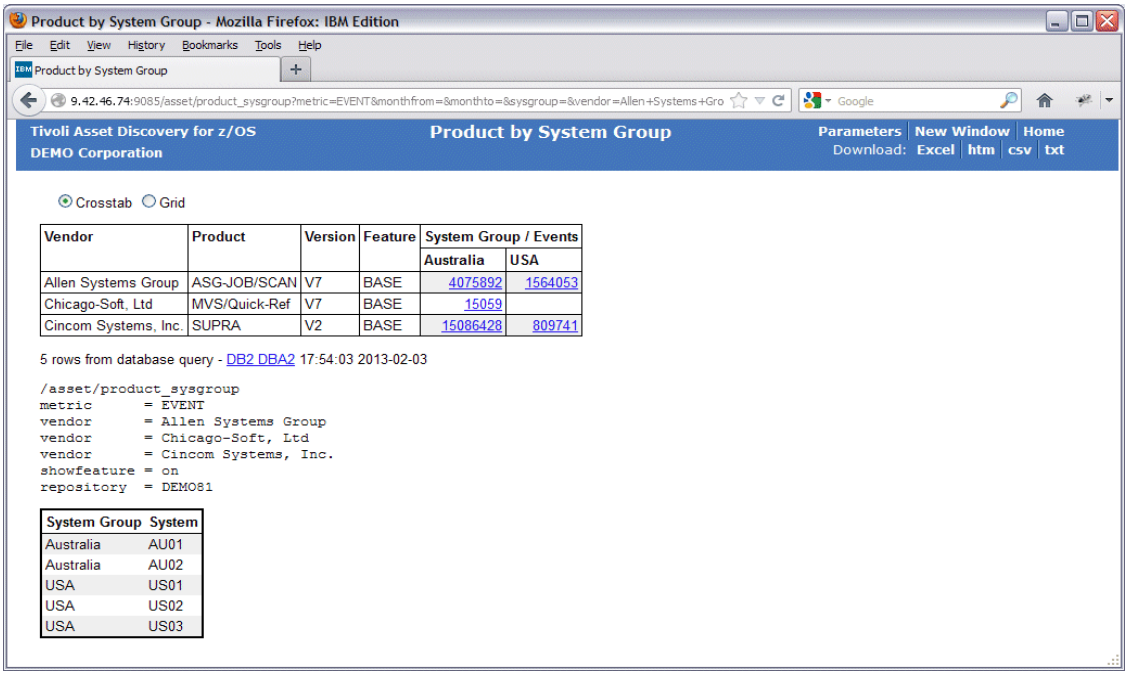
This report shows the Last Used dates for the selected products. Selecting the Last Used date will take you to the report Product Use Trend. From here you can drill down further for more information.

Sample Output First Used Metric:



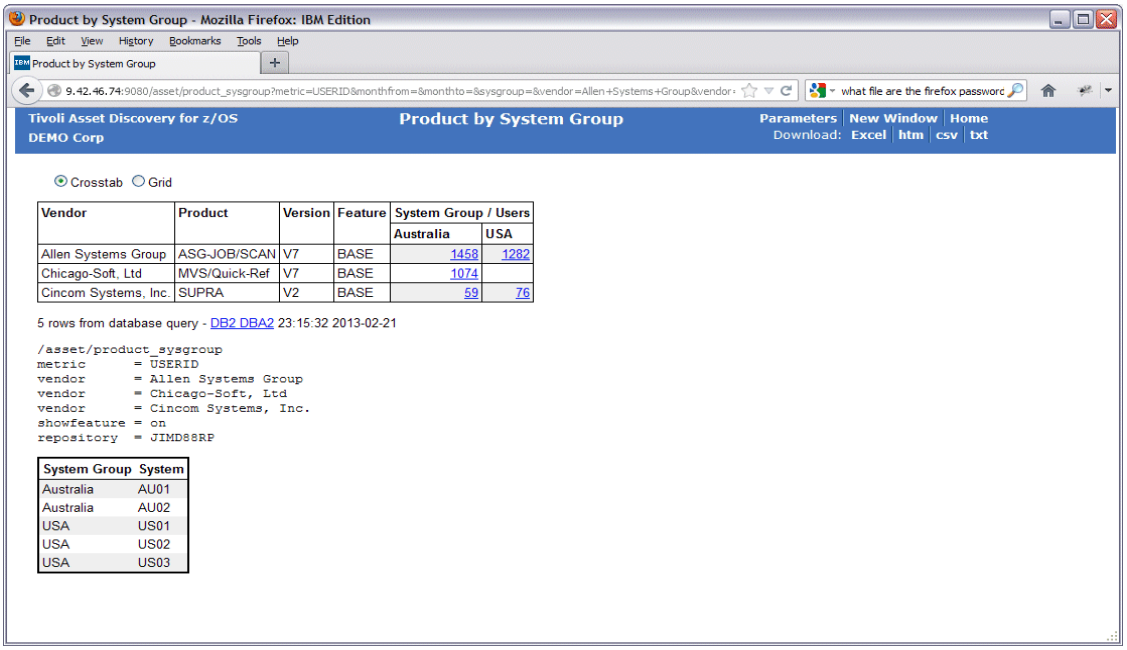
This report shows the First Used dates for the selected products. Selecting the First Used date will take you to the report Product Use Trend.

Sample Output Module Events Metric:



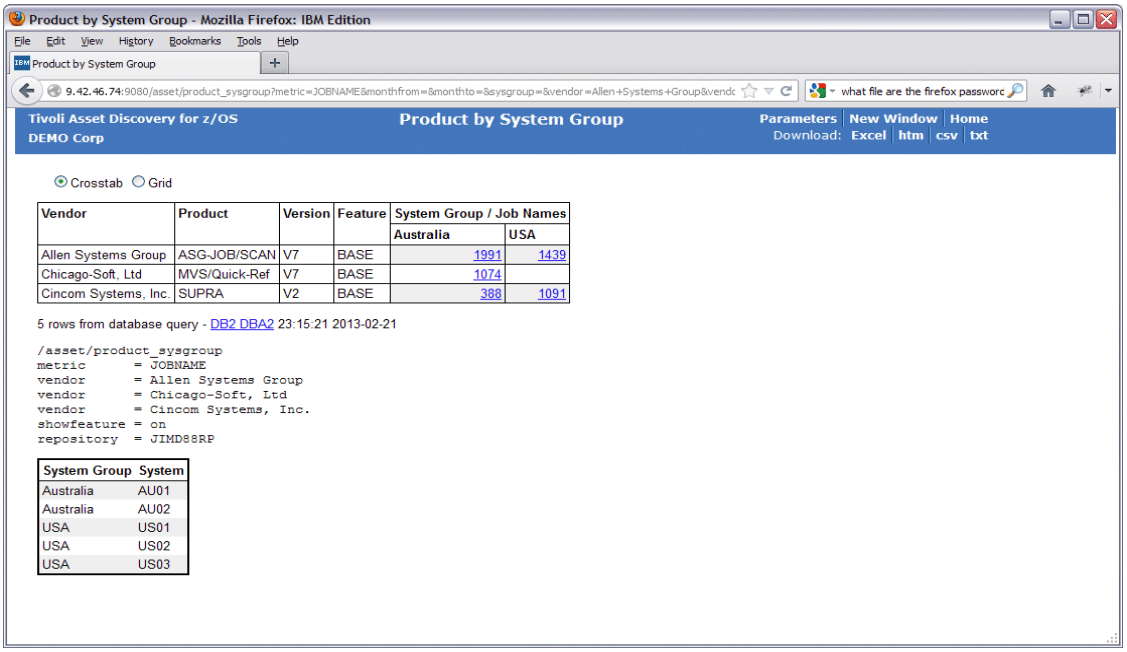
The screen above shows the 3 products selected in the parameters screen with usage events added up for each Group based on the number of Systems defined to each group. Selecting the Events will take you to the Product Use Trend report.

Sample Output User Id Count Metric:



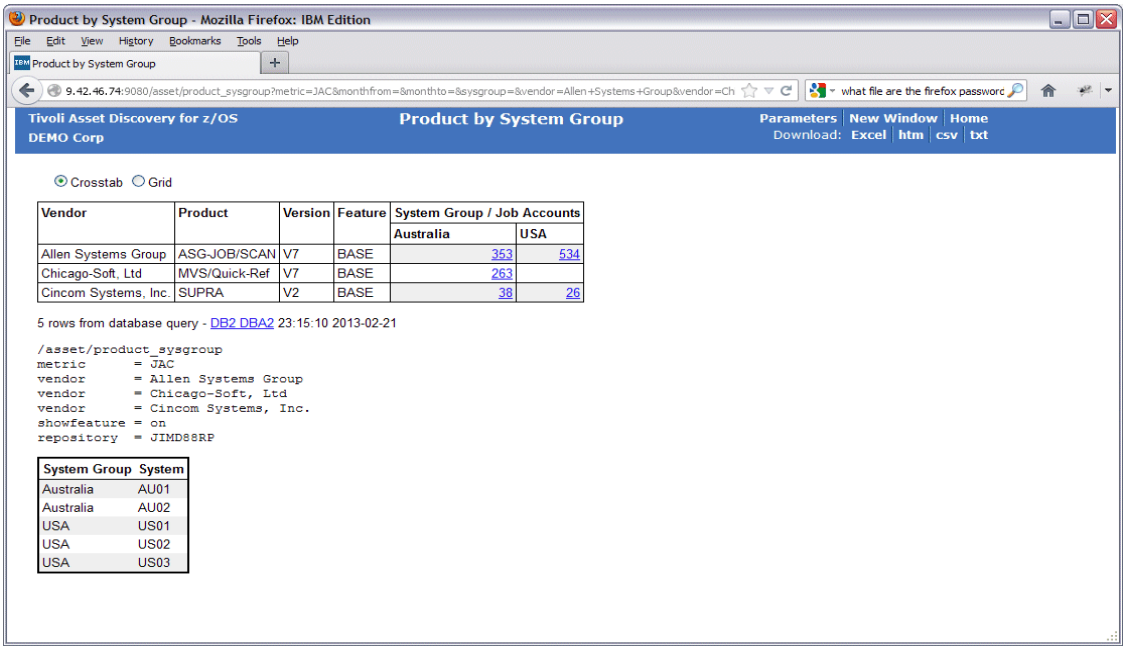
This report shows the Users for the selected products. Selecting the Users will take you to the report Product Use Trend where you can drill down further.

Sample Output Job Name Count Metric:



This report shows the Jobs for the selected products. Selecting the Job Names will take you to the report Product Use Trend where you can drill down further.

Sample Output Job Account Metric:



Product by System Group - Mozilla Firefox: IBM Edition

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Product by System Group

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Crosstab / Grid

Vendor	Product	Version	Feature	System Group / Job Accounts	
				Australia	USA
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	353	534
Chicago-Soft, Ltd	MVS/Quick-Ref	V7	BASE	263	
Cincom Systems, Inc.	SUPRA	V2	BASE	38	26

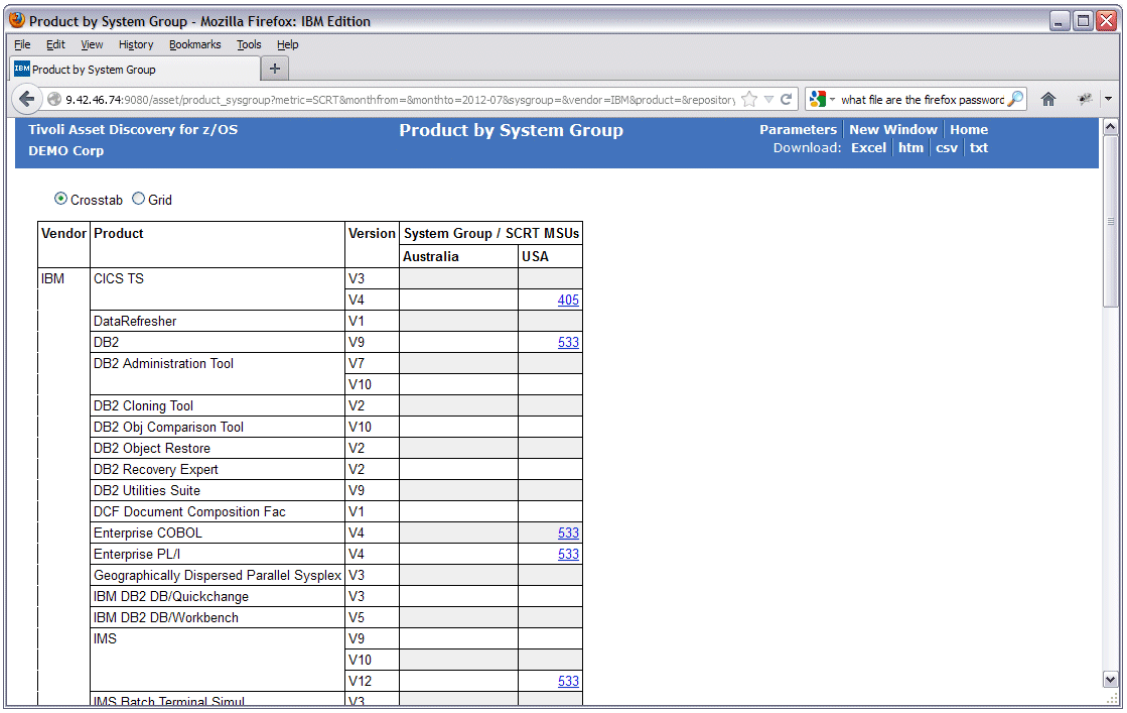
5 rows from database query - DB2 DBA2 23:15:10 2013-02-21

```
/asset/product_sysgroup
metric      = JAC
vendor      = Allen Systems Group
vendor      = Chicago-Soft, Ltd
vendor      = Cincom Systems, Inc.
showfeature = on
repository  = JIMD88RP
```

System Group	System
Australia	AU01
Australia	AU02
USA	US01
USA	US02
USA	US03

This report shows the Job Account Codes for the selected products. Selecting the Job Accounts will take you to the report Product Use Trend where you can drill down further.

Sample Output SCRT MSU Metric:



Product by System Group - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product by System Group

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Crosstab / Grid

Vendor	Product	Version	System Group / SCRT MSUs	
			Australia	USA
IBM	CICS TS	V3		
		V4		405
	DataRefresher	V1		
	DB2	V9		533
	DB2 Administration Tool	V7		
		V10		
	DB2 Cloning Tool	V2		
	DB2 Obj Comparison Tool	V10		
	DB2 Object Restore	V2		
	DB2 Recovery Expert	V2		
	DB2 Utilities Suite	V9		
	DCF Document Composition Fac	V1		
	Enterprise COBOL	V4		533
	Enterprise PL/I	V4		533
	Geographically Dispersed Parallel Sysplex	V3		
	IBM DB2 DB/Quickchange	V3		
	IBM DB2 DB/Workbench	V5		
	IMS	V9		
		V10		
		V12		533
	IMS Batch Terminal Simul	V3		

This report shows the SCRT MSU for the selected products. Selecting the SCRT MSU will take you to the report Product Use Trend where you can drill down further.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
Feature	The feature of the product
System Group	The System Group the product was last used on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The last date the product was discovered by TADz
Last Used	The date the product was last used
First Used	The first time the usage was found for this product
Events	How many events (load module executions) were record for the product for each System Group
Users	The number of users that executed the product for the selected period.
Job Names	The number of Job Names that executed the product for the selected period.
Job Accounts	The number of Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the System Group. This data is imported from the SCRT product.

Links to drilldown reports

- Product Use Trend report
- Discovered Installed and Last Observed: Product Libraries report

Product by Repository report

The Product by Repository report provides a summary of products by repository. These reports allow you to view your data across multiple repositories if you have more than 1 repository defined.

Batch report query

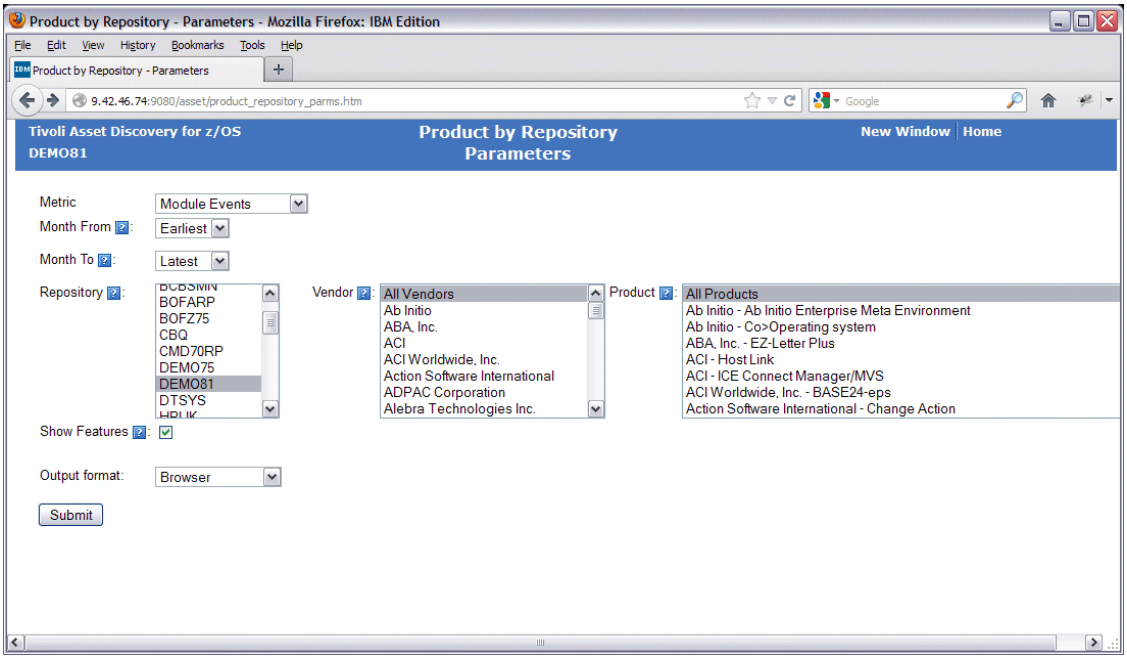
/asset/product_repository
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
multirep = *&REPZSCHM*
vendor = <*vendor*>
product = <*product*>
showfeature = *off*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Repository	multirep = *&REPZSCHM*	No	The name of the repository to query.

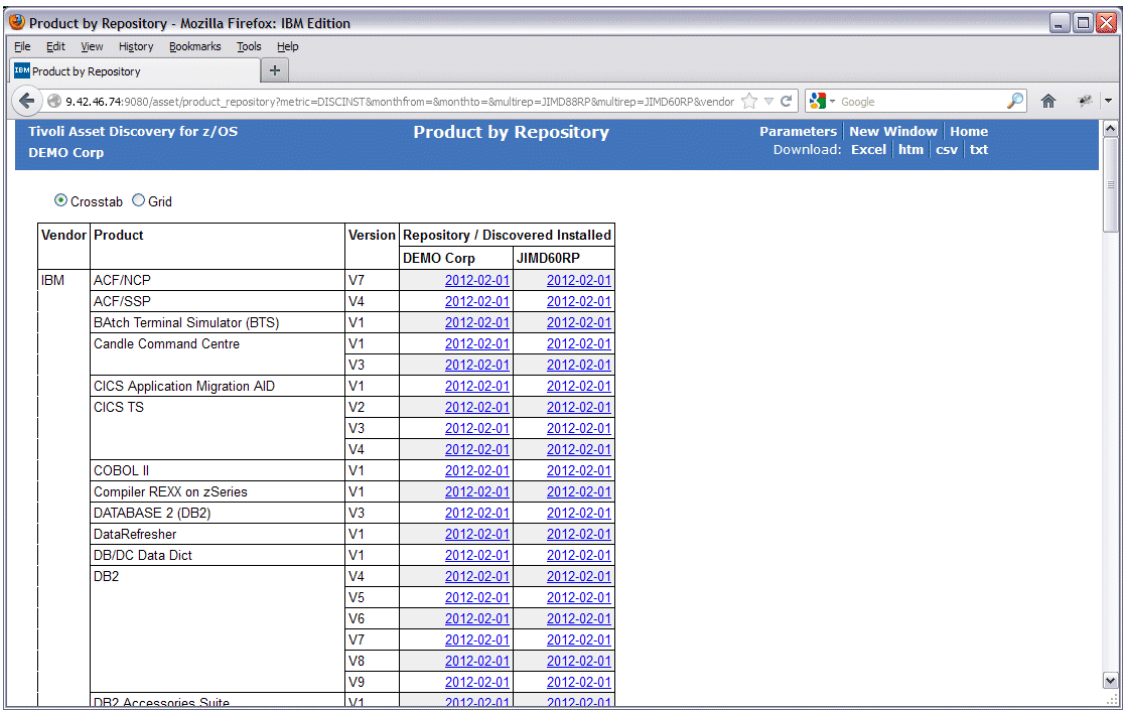
Online parameter	Batch mode parameter	Optional	Description
	To select multiple repositories, repeat the line for each additional repository.		In batch mode, if you do not specify a repository, only the first repository is included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.

Sample Parameters:



The Product by Repository screen allows you to get an overview of multiple Repositories in a single report.

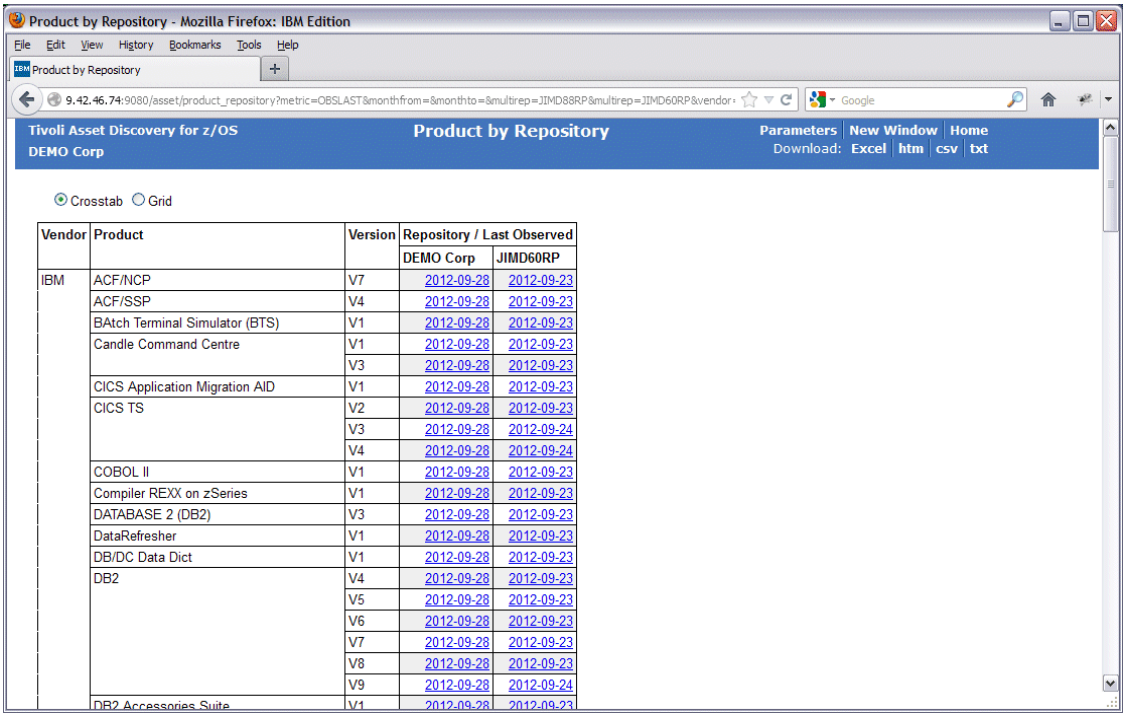
Sample Output Discovered Installed Metric:



Vendor	Product	Version	Repository / Discovered Installed	
			DEMO Corp	JIMD60RP
IBM	ACF/NCP	V7	2012-02-01	2012-02-01
	ACF/SSP	V4	2012-02-01	2012-02-01
	BAtch Terminal Simulator (BTS)	V1	2012-02-01	2012-02-01
	Candle Command Centre	V1	2012-02-01	2012-02-01
		V3	2012-02-01	2012-02-01
	CICS Application Migration AID	V1	2012-02-01	2012-02-01
	CICS TS	V2	2012-02-01	2012-02-01
		V3	2012-02-01	2012-02-01
		V4	2012-02-01	2012-02-01
	COBOL II	V1	2012-02-01	2012-02-01
	Compiler REXX on zSeries	V1	2012-02-01	2012-02-01
	DATABASE 2 (DB2)	V3	2012-02-01	2012-02-01
	DataRefresher	V1	2012-02-01	2012-02-01
	DB/DC Data Dict	V1	2012-02-01	2012-02-01
	DB2	V4	2012-02-01	2012-02-01
		V5	2012-02-01	2012-02-01
		V6	2012-02-01	2012-02-01
		V7	2012-02-01	2012-02-01
		V8	2012-02-01	2012-02-01
		V9	2012-02-01	2012-02-01
	DB2 Accessories Suite	V1	2012-02-01	2012-02-01

This report shows the Discovered Install dates for products across multiple Repositories. Selecting the Dates will take you to the report Product Libraries for the selected Repository.

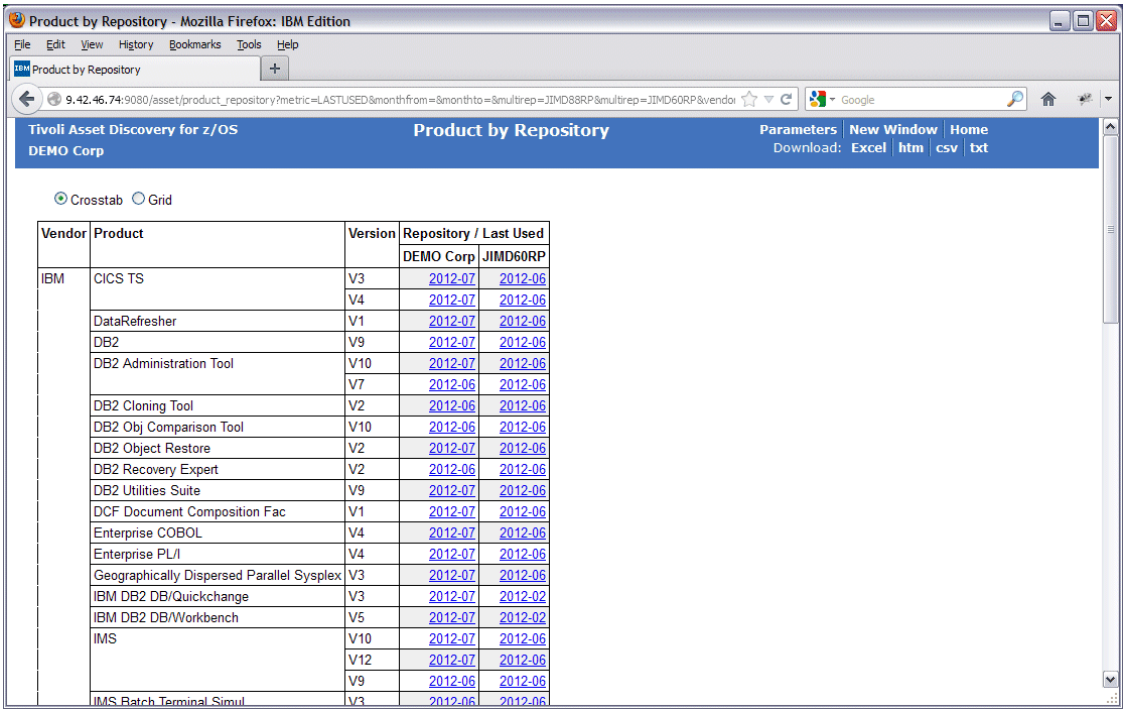
Sample Output Last Observed Metric:



Vendor	Product	Version	Repository / Last Observed	
			DEMO Corp	JIMD60RP
IBM	ACF/NCP	V7	2012-09-28	2012-09-23
	ACF/SSP	V4	2012-09-28	2012-09-23
	BAtch Terminal Simulator (BTS)	V1	2012-09-28	2012-09-23
	Candle Command Centre	V1	2012-09-28	2012-09-23
		V3	2012-09-28	2012-09-23
	CICS Application Migration AID	V1	2012-09-28	2012-09-23
	CICS TS	V2	2012-09-28	2012-09-23
		V3	2012-09-28	2012-09-24
		V4	2012-09-28	2012-09-24
	COBOL II	V1	2012-09-28	2012-09-23
	Compiler REXX on zSeries	V1	2012-09-28	2012-09-23
	DATABASE 2 (DB2)	V3	2012-09-28	2012-09-23
	DataRefresher	V1	2012-09-28	2012-09-23
	DB/DC Data Dict	V1	2012-09-28	2012-09-23
	DB2	V4	2012-09-28	2012-09-23
		V5	2012-09-28	2012-09-23
		V6	2012-09-28	2012-09-23
		V7	2012-09-28	2012-09-23
		V8	2012-09-28	2012-09-23
		V9	2012-09-28	2012-09-24
	DB2 Accessories Suite	V1	2012-09-28	2012-09-23

This report shows the Last Observed dates for products across multiple Repositories. Selecting the Dates will take you to the report Product Libraries for the selected Repository. The date shown is taken from the last time the product was seen in an IQ scan. Each time an IQ scan is done and the product is still installed, this date will be updated to reflect this.

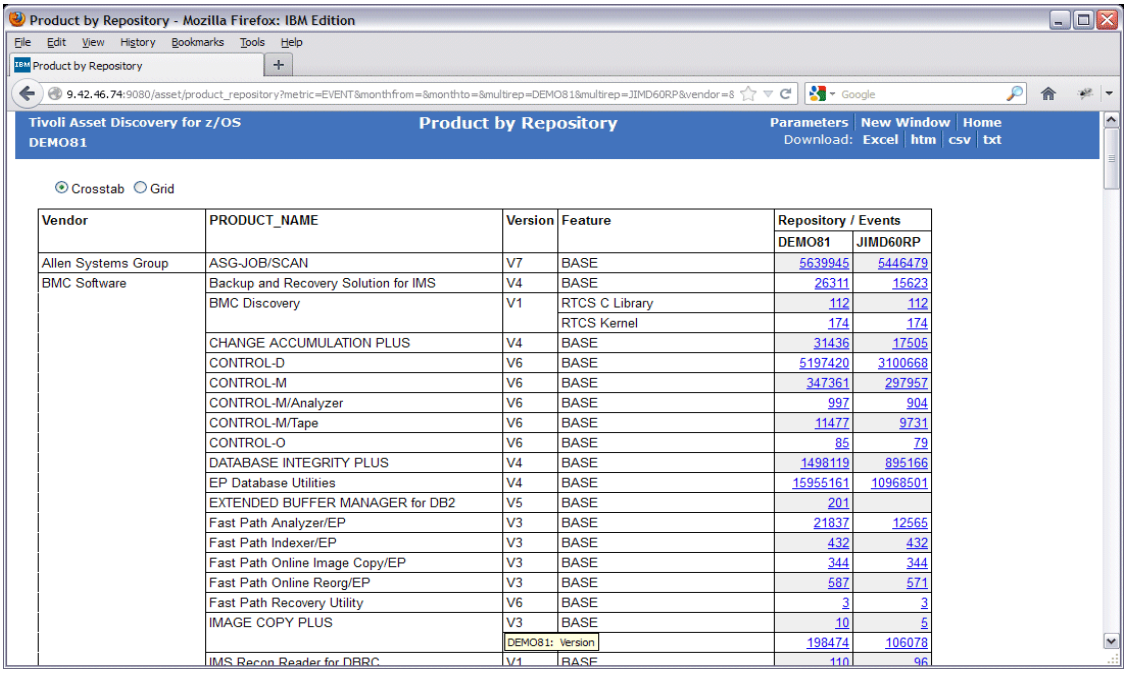
Sample Output Last Used Metric:



Vendor	Product	Version	Repository / Last Used	
			DEMO Corp	JIMD60RP
IBM	CICS TS	V3	2012-07	2012-06
		V4	2012-07	2012-06
	DataRefresher	V1	2012-07	2012-06
	DB2	V9	2012-07	2012-06
	DB2 Administration Tool	V10	2012-07	2012-06
		V7	2012-06	2012-06
	DB2 Cloning Tool	V2	2012-06	2012-06
	DB2 Obj Comparison Tool	V10	2012-06	2012-06
	DB2 Object Restore	V2	2012-07	2012-06
	DB2 Recovery Expert	V2	2012-06	2012-06
	DB2 Utilities Suite	V9	2012-07	2012-06
	DCF Document Composition Fac	V1	2012-07	2012-06
	Enterprise COBOL	V4	2012-07	2012-06
	Enterprise PL/I	V4	2012-07	2012-06
	Geographically Dispersed Parallel Sysplex	V3	2012-07	2012-06
	IBM DB2 DB/Quickchange	V3	2012-07	2012-02
	IBM DB2 DB/Workbench	V5	2012-07	2012-02
	IMS	V10	2012-07	2012-06
		V12	2012-07	2012-06
		V9	2012-06	2012-06
	IMS Batch Terminal Simul	V3	2012-06	2012-06

This report shows the Last Used dates for products across multiple Repositories. Selecting the Dates will take you to the report Product Use Trend for the selected Repository.

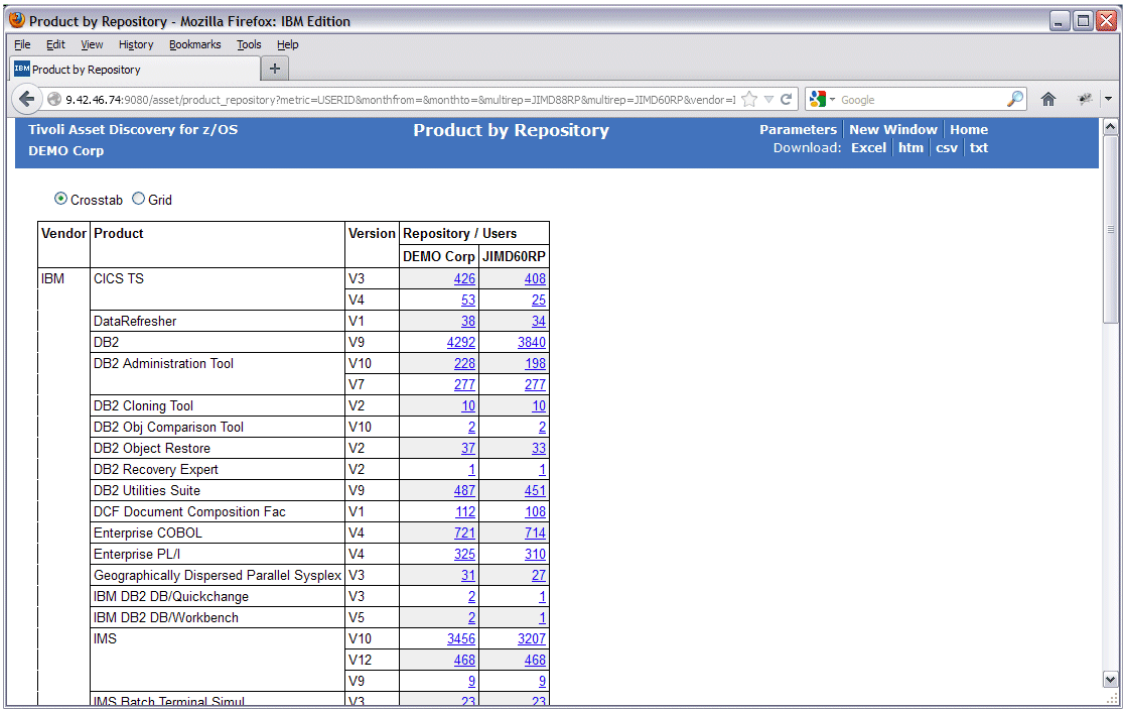
Sample Output Module Events Metric:



Vendor	PRODUCT_NAME	Version	Feature	Repository / Events	
				DEMO81	JIMD60RP
Allen Systems Group	ASG-JOB/SCAN	V7	BASE	5639945	5446479
BMC Software	Backup and Recovery Solution for IMS	V4	BASE	26311	15623
	BMC Discovery	V1	RTCS C Library	112	112
			RTCS Kernel	174	174
	CHANGE ACCUMULATION PLUS	V4	BASE	31436	17505
	CONTROL-D	V6	BASE	5197420	3100668
	CONTROL-M	V6	BASE	347361	297957
	CONTROL-M/Analyzer	V6	BASE	997	904
	CONTROL-M/Tape	V6	BASE	11477	9731
	CONTROL-O	V6	BASE	85	79
	DATABASE INTEGRITY PLUS	V4	BASE	1498119	895166
	EP Database Utilities	V4	BASE	15955161	10968501
	EXTENDED BUFFER MANAGER for DB2	V5	BASE	201	
	Fast Path Analyzer/EP	V3	BASE	21837	12565
	Fast Path Indexer/EP	V3	BASE	432	432
	Fast Path Online Image Copy/EP	V3	BASE	344	344
	Fast Path Online Reorg/EP	V3	BASE	587	571
	Fast Path Recovery Utility	V6	BASE	3	3
	IMAGE COPY PLUS	V3	BASE	10	5
		DEMO81: Version		198474	106078
	IMS Recon Reader for DBRC	V1	BASE	110	96

The output above shows data from 2 Repositories. The figures shown for each Repository are totals for all Systems with the same product. Selecting the Events will take you the Product Use Trend report where you can drill down further to see the load module events.

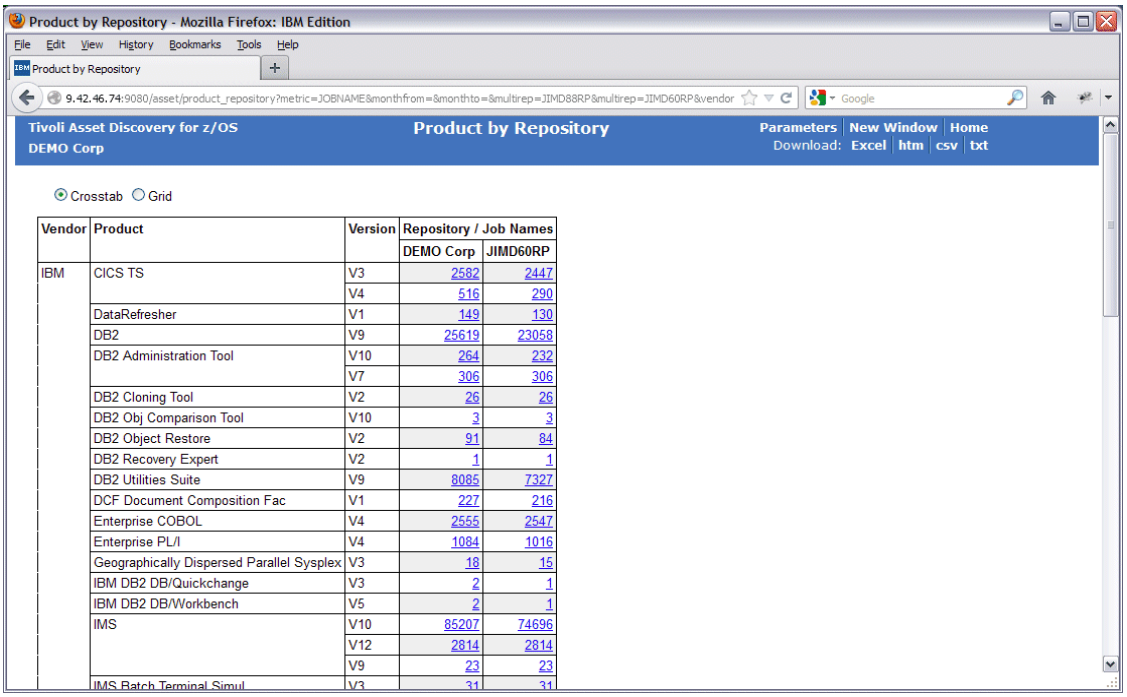
Sample Output User Id Count Metric:



Vendor	Product	Version	Repository / Users	
			DEMO Corp	JIMD60RP
IBM	CICS TS	V3	426	408
		V4	53	25
	DataRefresher	V1	38	34
	DB2	V9	4292	3840
	DB2 Administration Tool	V10	228	198
		V7	277	277
	DB2 Cloning Tool	V2	10	10
	DB2 Obj Comparison Tool	V10	2	2
	DB2 Object Restore	V2	37	33
	DB2 Recovery Expert	V2	1	1
	DB2 Utilities Suite	V9	487	451
	DCF Document Composition Fac	V1	112	108
	Enterprise COBOL	V4	721	714
	Enterprise PL/I	V4	325	310
	Geographically Dispersed Parallel Sysplex	V3	31	27
	IBM DB2 DB/Quickchange	V3	2	1
	IBM DB2 DB/Workbench	V5	2	1
	IMS	V10	3456	3207
		V12	468	468
		V9	9	9
	IMS Batch Terminal Simul	V3	23	23

This report shows the Users products across multiple Repositories. Selecting the Users will take you to the report Product Use Trend for the selected Repository.

Sample Output Job Name Count Metric:



Product by Repository - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product by Repository

Parameters | New Window | Home
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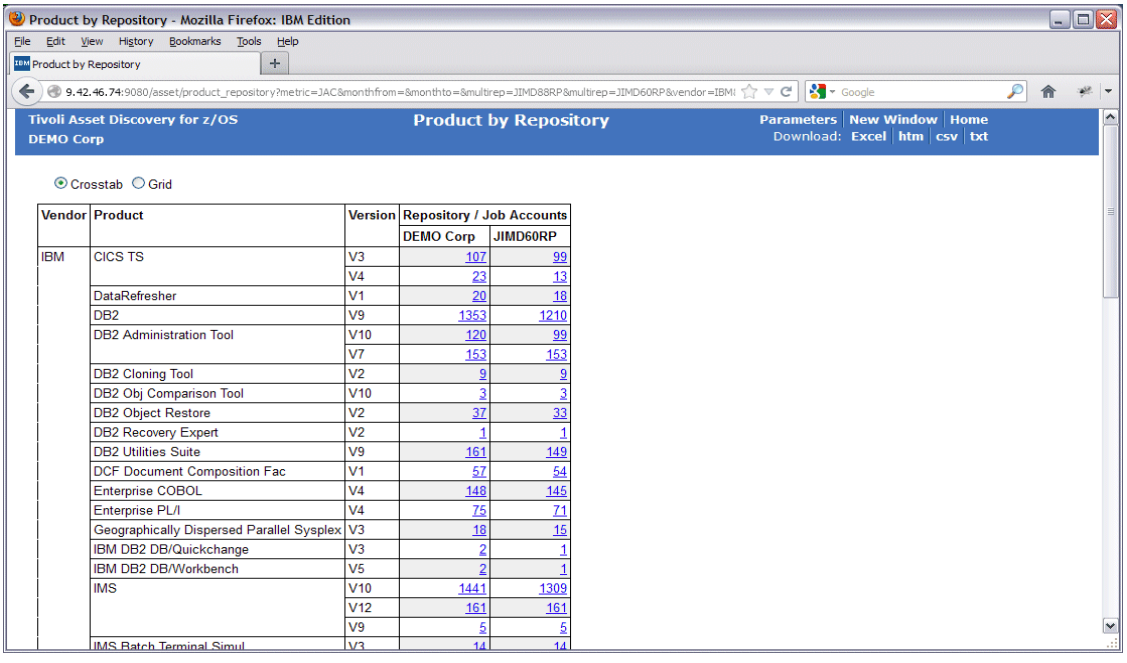
Crosstab / Grid

Vendor	Product	Version	Repository / Job Names	
			DEMO Corp	JIMD60RP
IBM	CICS TS	V3	2582	2447
		V4	516	290
	DataRefresher	V1	149	130
	DB2	V9	25619	23058
	DB2 Administration Tool	V10	264	232
		V7	306	306
	DB2 Cloning Tool	V2	26	26
	DB2 Obj Comparison Tool	V10	3	3
	DB2 Object Restore	V2	91	84
	DB2 Recovery Expert	V2	1	1
	DB2 Utilities Suite	V9	8085	7327
	DCF Document Composition Fac	V1	227	216
	Enterprise COBOL	V4	2555	2547
	Enterprise PL/I	V4	1084	1016
	Geographically Dispersed Parallel Sysplex	V3	18	15
	IBM DB2 DB/Quickchange	V3	2	1
	IBM DB2 DB/Workbench	V5	2	1
	IMS	V10	85207	74696
		V12	2814	2814
		V9	23	23
	IMS Batch Terminal Simul	V3	31	31

This report shows the Jobs products across multiple Repositories. Selecting the Job Names will take you to the report Product Use Trend for the selected Repository.

Sample Output Job Account Count Metric:



Product by Repository - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product by Repository

Parameters | New Window | Home
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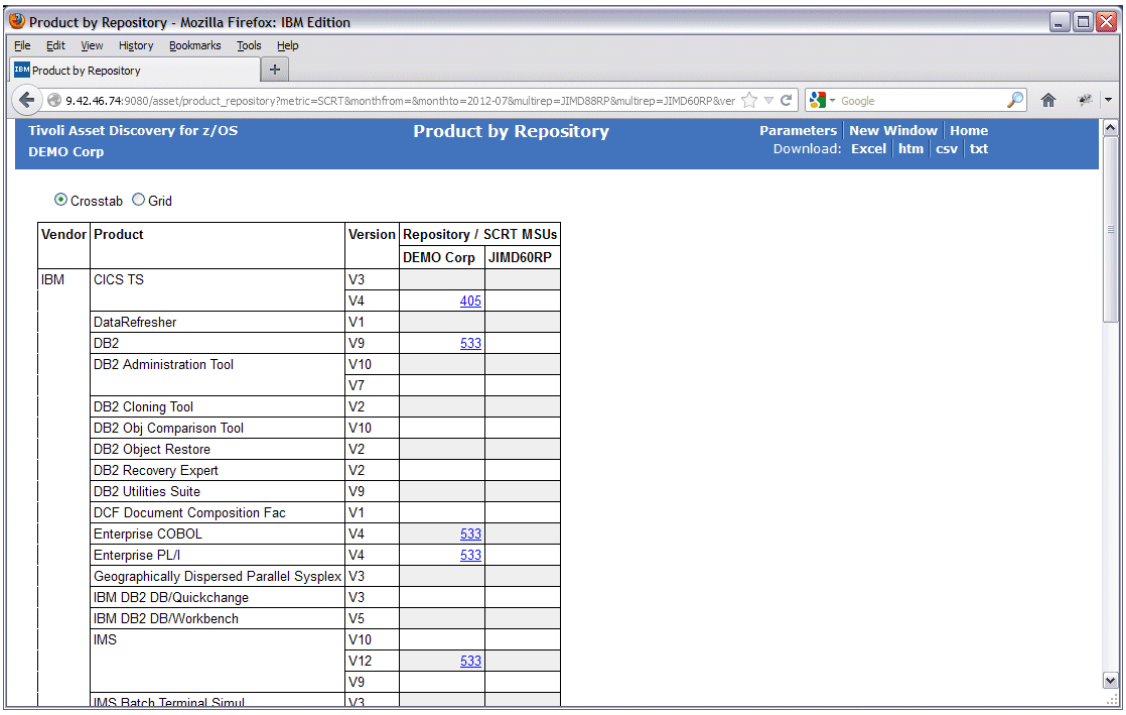
Crosstab / Grid

Vendor	Product	Version	Repository / Job Accounts	
			DEMO Corp	JIMD60RP
IBM	CICS TS	V3	107	99
		V4	23	13
	DataRefresher	V1	20	18
	DB2	V9	1353	1210
	DB2 Administration Tool	V10	120	99
		V7	153	153
	DB2 Cloning Tool	V2	9	9
	DB2 Obj Comparison Tool	V10	3	3
	DB2 Object Restore	V2	37	33
	DB2 Recovery Expert	V2	1	1
	DB2 Utilities Suite	V9	161	149
	DCF Document Composition Fac	V1	57	54
	Enterprise COBOL	V4	148	145
	Enterprise PL/I	V4	75	71
	Geographically Dispersed Parallel Sysplex	V3	18	15
	IBM DB2 DB/Quickchange	V3	2	1
	IBM DB2 DB/Workbench	V5	2	1
	IMS	V10	1441	1309
		V12	161	161
		V9	5	5
	IMS Batch Terminal Simul	V3	14	14

This report shows the Job Account codes products across multiple Repositories. Selecting the Job Accounts will take you to the report Product Use Trend for the selected Repository.

Sample Output SCRT MSU Metric:



Vendor	Product	Version	Repository / SCRT MSUs	
			DEMO Corp	JIMD60RP
IBM	CICS TS	V3		
		V4	405	
	DataRefresher	V1		
	DB2	V9	533	
	DB2 Administration Tool	V10		
		V7		
	DB2 Cloning Tool	V2		
	DB2 Obj Comparison Tool	V10		
	DB2 Object Restore	V2		
	DB2 Recovery Expert	V2		
	DB2 Utilities Suite	V9		
	DCF Document Composition Fac	V1		
	Enterprise COBOL	V4	533	
	Enterprise PL/I	V4	533	
	Geographically Dispersed Parallel Sysplex	V3		
	IBM DB2 DB/Quickchange	V3		
	IBM DB2 DB/Workbench	V5		
	IMS	V10		
		V12	533	
		V9		
	IMS Batch Terminal Simul	V3		

This report shows the SCRT MSU against products across multiple Repositories. Selecting the SCRT MSU will take you to the report Product Use Trend for the selected Repository.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
Feature	The feature of the product
Repository	The Repositories the product was last used on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The last date the product was discovered by TADz
Last Used	The date the product was last used
First Used	The first time the usage was found for this product
Events	How many events (load module executions) were record for the product for each Repository
Users	The number of users that executed the product for the selected

Column Name	Description
	period.
Job Names	The number of Job Names that executed the product for the selected period.
Job Accounts	The number of Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the system. This data is imported from the SCRT product.

Links to drilldown reports

- Product Use Trend report
- Discovered Installed and Last Observed: Product Libraries report

Vendor Use by Month report

The Vendor Use by Month report provides a summary of Vendor usage

Batch report query

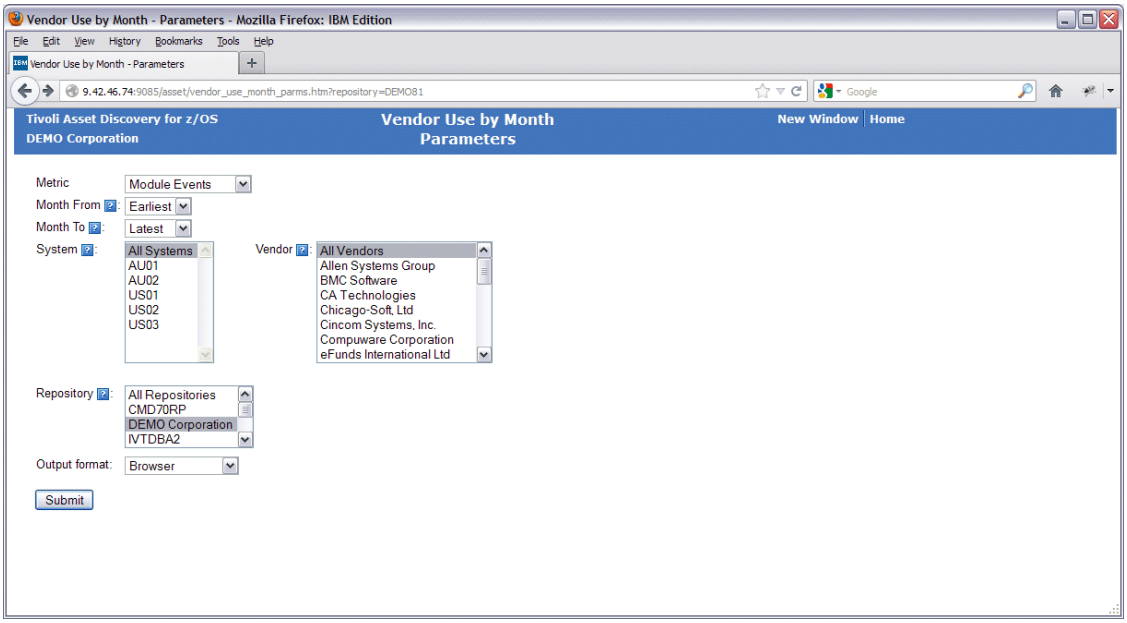
/asset/vendor_use_month
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.

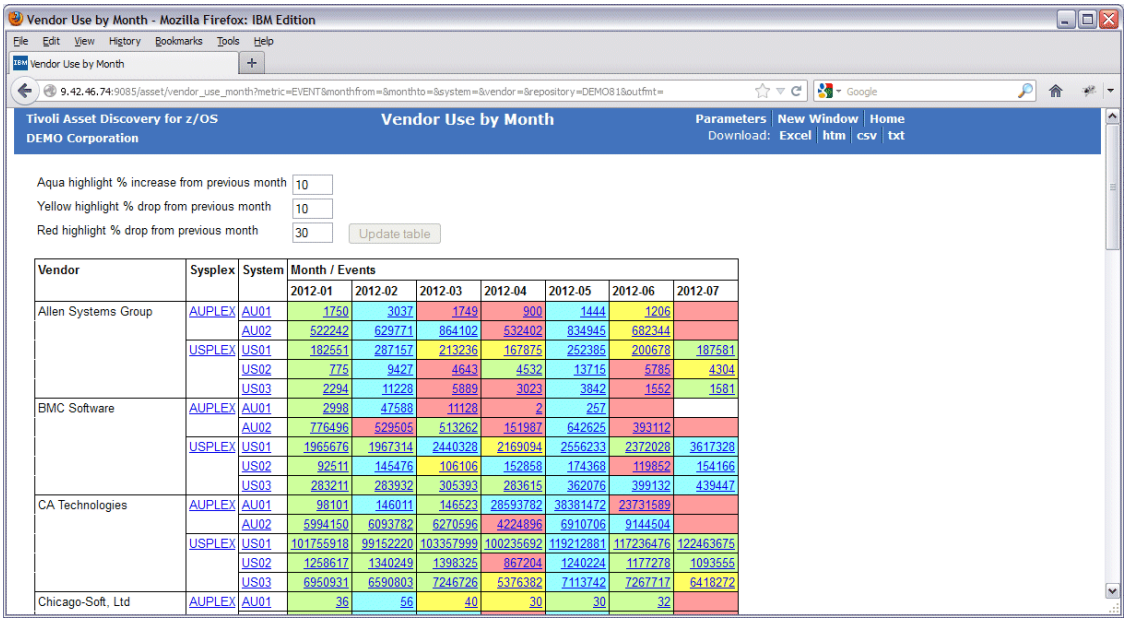
Online parameter	Batch mode parameter	Optional	Description
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report Vendor Use by Month is where you can see product trends based upon usage data by Vendor. The data used in these reports cover all the Vendors products.

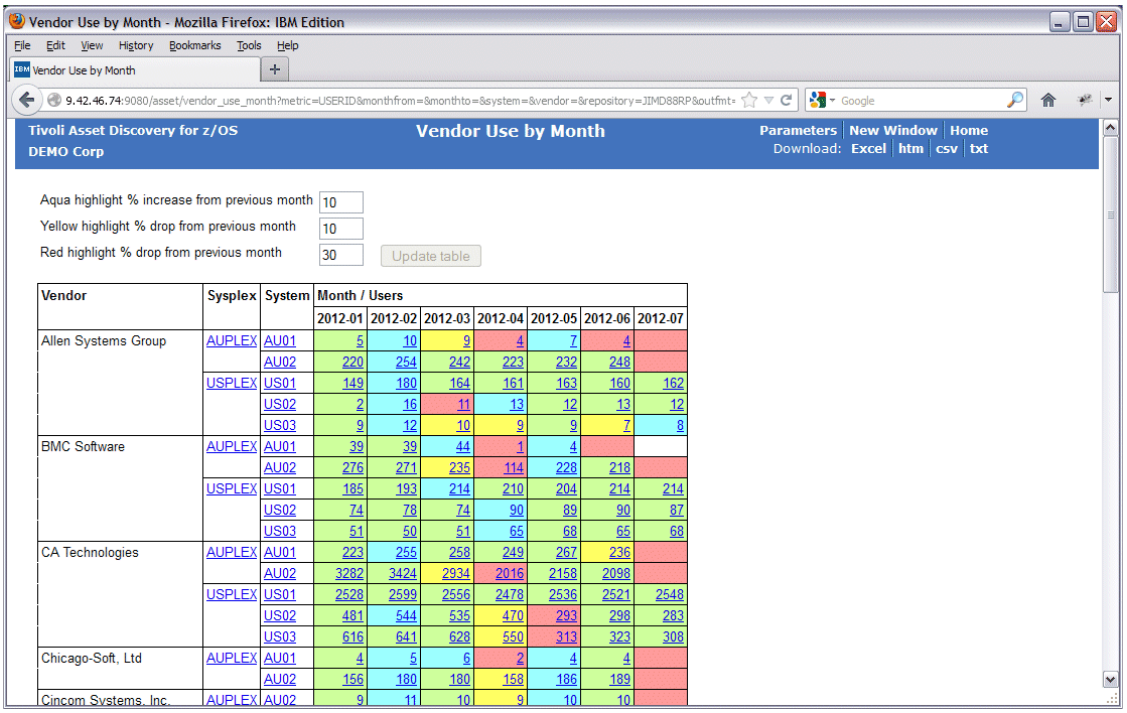
Sample Output Module Events Metric:



Vendor	Sysplex	System	Month / Events						
			2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	AUPLEX	AU01	1750	3037	1749	900	1444	1206	
		AU02	522242	629771	864102	532402	834945	682344	
	USPLEX	US01	182551	287157	213236	167875	252385	200678	187581
		US02	775	9427	4643	4532	13715	5785	4304
		US03	2294	11228	5889	3023	3842	1552	1581
BMC Software	AUPLEX	AU01	2998	47588	11128	2	257		
		AU02	776496	529505	513262	151987	642625	393112	
	USPLEX	US01	1965676	1967314	2440328	2169094	2556233	2372028	3617328
		US02	92511	145476	106106	152858	174368	119852	154166
		US03	283211	283932	305393	283615	362076	399132	439447
CA Technologies	AUPLEX	AU01	98101	146011	146523	28593782	38381472	23731589	
		AU02	5994150	6093782	6270596	4224896	6910706	9144504	
	USPLEX	US01	101755918	99152220	103357999	100235692	119212881	117236476	122463675
		US02	1258617	1340249	1398325	867204	1240224	1177278	1093555
		US03	6950931	6590803	7246726	5376382	7113742	7267717	6418272
Chicago-Soft, Ltd	AUPLEX	AU01	36	56	40	30	30	32	

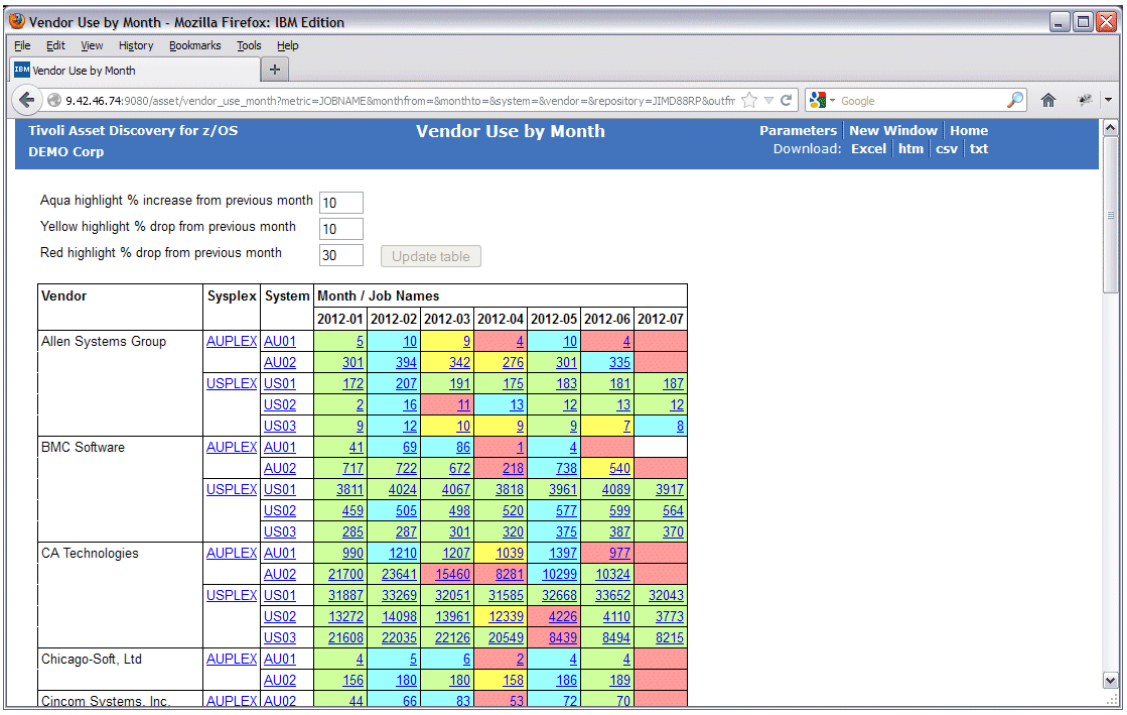
The output above shows the activity for each Vendor product in the selected Repository. The colour coding shows variance in activity. You can adjust the percentages to suit your own criteria. This Report shows Module Events.

Sample Output User Id Count Metric:



Vendor	Sysplex	System	Month / Users						
			2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	AUPLEX	AU01	5	10	9	4	7	4	
		AU02	220	254	242	223	232	248	
	USPLEX	US01	149	180	164	161	163	160	162
		US02	2	16	11	13	12	13	12
		US03	9	12	10	9	9	7	8
BMC Software	AUPLEX	AU01	39	39	44	1	4		
		AU02	276	271	235	114	228	218	
	USPLEX	US01	185	193	214	210	204	214	214
		US02	74	78	74	90	89	90	87
		US03	51	50	51	65	68	65	68
CA Technologies	AUPLEX	AU01	223	255	258	249	267	236	
		AU02	3282	3424	2934	2016	2158	2098	
	USPLEX	US01	2528	2599	2556	2478	2536	2521	2548
		US02	481	544	535	470	293	298	283
		US03	616	641	628	550	313	323	308
Chicago-Soft, Ltd	AUPLEX	AU01	4	5	6	2	4	4	
		AU02	156	180	180	158	186	189	
Cincom Systems, Inc.	AUPLEX	AU02	9	11	10	9	10	10	

Sample Output Job Name Count Metric:



Vendor Use by Month - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Vendor Use by Month

9.42.46.74:9080/asset/vendor_use_month?metric=JOBNAME&monthfrom=&monthto=&system=&vendor=&repository=JIMD88RP&outfr

Google

Tivoli Asset Discovery for z/OS
DEMO Corp

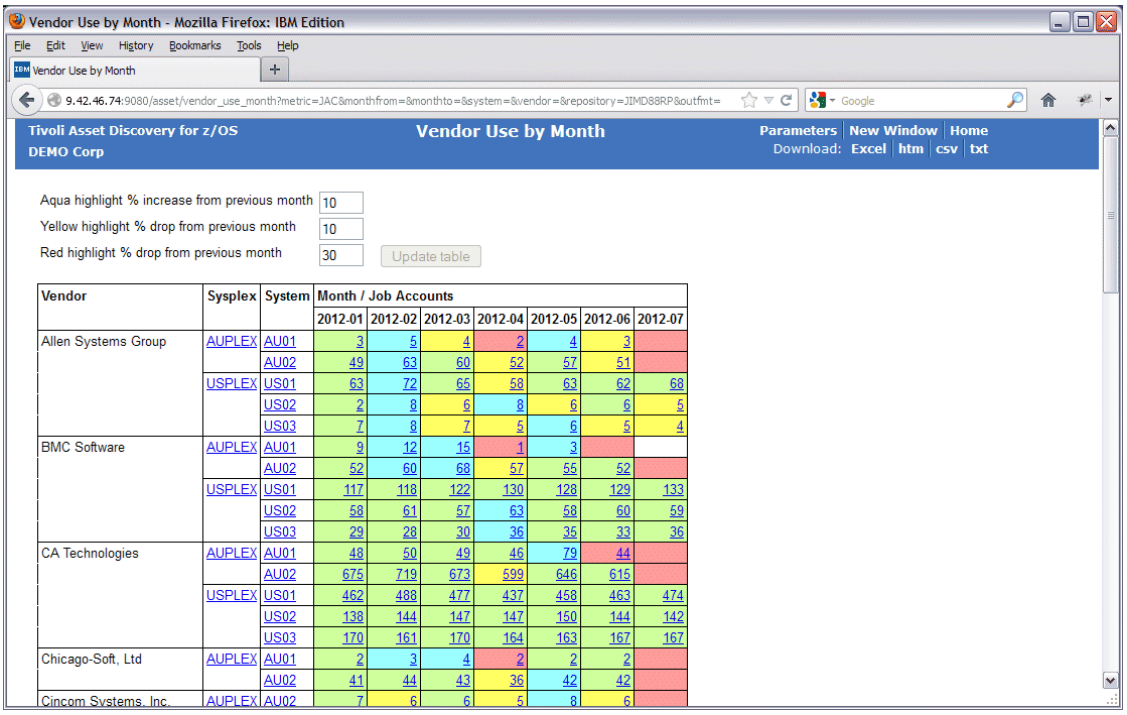
Vendor Use by Month

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Aqua highlight % increase from previous month 10
Yellow highlight % drop from previous month 10
Red highlight % drop from previous month 30
Update table

Vendor	Sysplex	System	Month / Job Names						
			2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	AUPLEX	AU01	5	10	9	4	10	4	
		AU02	301	394	342	276	301	335	
	USPLEX	US01	172	207	191	175	183	181	187
		US02	2	16	11	13	12	13	12
		US03	9	12	10	9	9	7	8
BMC Software	AUPLEX	AU01	41	69	86	1	4		
		AU02	717	722	672	218	738	540	
	USPLEX	US01	3811	4024	4067	3818	3961	4089	3917
		US02	459	505	498	520	577	599	564
		US03	285	287	301	320	375	387	370
CA Technologies	AUPLEX	AU01	990	1210	1207	1039	1397	977	
		AU02	21700	23641	15460	8281	10299	10324	
	USPLEX	US01	31887	33269	32051	31585	32668	33652	32043
		US02	13272	14098	13961	12339	4226	4110	3773
		US03	21608	22035	22126	20549	8439	8494	8215
Chicago-Soft, Ltd	AUPLEX	AU01	4	5	6	2	4	4	
		AU02	156	180	180	158	186	189	
Cincom Systems, Inc.	AUPLEX	AU02	44	66	83	53	72	70	

Sample Output Job Account Count Metric:



Vendor Use by Month - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Vendor Use by Month

9.42.46.74:9080/asset/vendor_use_month?metric=JAC&monthfrom=&monthto=&system=&vendor=&repository=JIMD88RP&outfmt=

Google

Tivoli Asset Discovery for z/OS
DEMO Corp

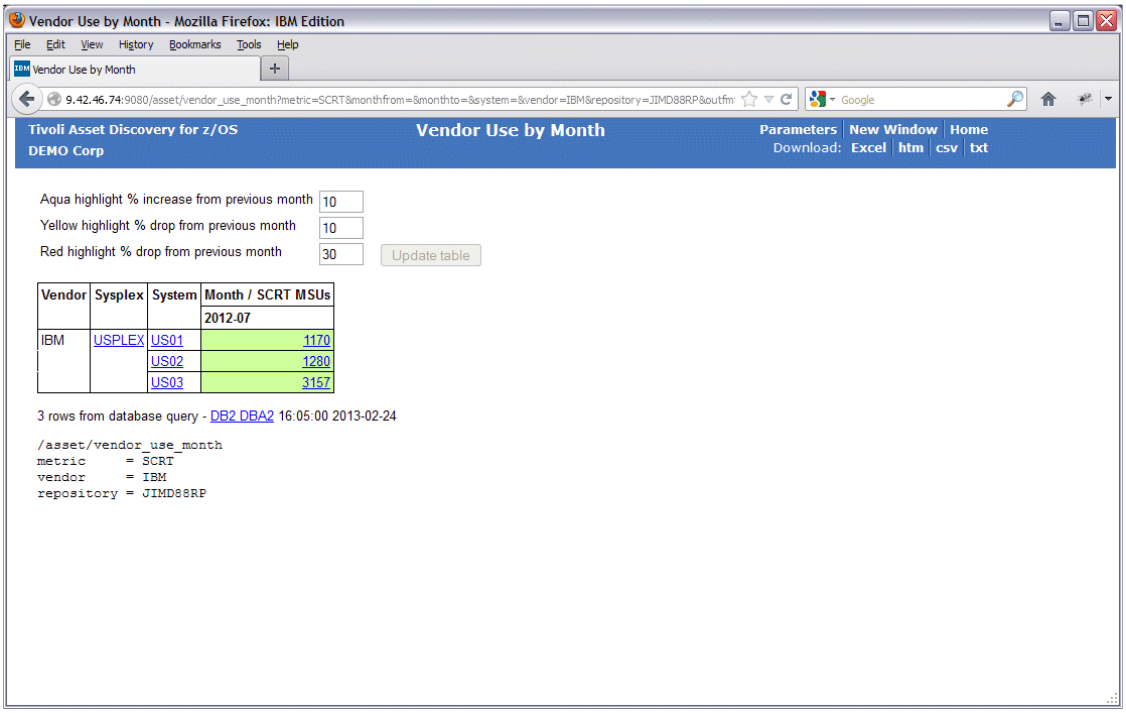
Vendor Use by Month

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Aqua highlight % increase from previous month 10
Yellow highlight % drop from previous month 10
Red highlight % drop from previous month 30
Update table

Vendor	Sysplex	System	Month / Job Accounts						
			2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	AUPLEX	AU01	3	5	4	2	4	3	
		AU02	49	63	60	52	57	51	
	USPLEX	US01	63	72	65	58	63	62	68
		US02	2	8	6	8	6	6	5
		US03	7	8	7	5	6	5	4
BMC Software	AUPLEX	AU01	9	12	15	1	3		
		AU02	52	60	68	57	55	52	
	USPLEX	US01	117	118	122	130	128	129	133
		US02	58	61	57	63	58	60	59
		US03	29	28	30	36	35	33	36
CA Technologies	AUPLEX	AU01	48	50	49	46	79	44	
		AU02	675	719	673	599	646	615	
	USPLEX	US01	462	488	477	437	458	463	474
		US02	138	144	147	147	150	144	142
		US03	170	161	170	164	163	167	167
Chicago-Soft, Ltd	AUPLEX	AU01	2	3	4	2	2	2	
		AU02	41	44	43	36	42	42	
Cincom Systems, Inc.	AUPLEX	AU02	7	6	6	5	8	6	

Sample Output SCRT MSU Metric:



The output above showing SCRT MSUs is dependent on you loading the SCRT data into the Repository.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Sysplex	Name of the Sysplex the Vendor's products were executed on
System	Name of the system the Vendor's products were executed on
Month	The Year and Month of Execution
Events	How many events (load module executions) were record for the product for each Vendor
Users	The number of Unique users that executed the product for the selected period.
Job Names	The number of Unique Job Names that executed the product for the selected period.
Job Accounts	The number of Unique Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the system. This data is imported from the SCRT product.

You can also change the percentages to highlight different settings by changing the figures at the top of the output and the press the update button to see the results.

Links to drilldown reports

- Sysplex: Product Use Trend report
- System: Product Use Trend report
- Events, Users, SCRT MSU: User IDs that have used the product.
- Job Names: Job names that have used the product.
- Job Accounts: Job account that have used the product

Product Use by Month report

The Product Use by Month report provides a summary of product usage

Batch report query

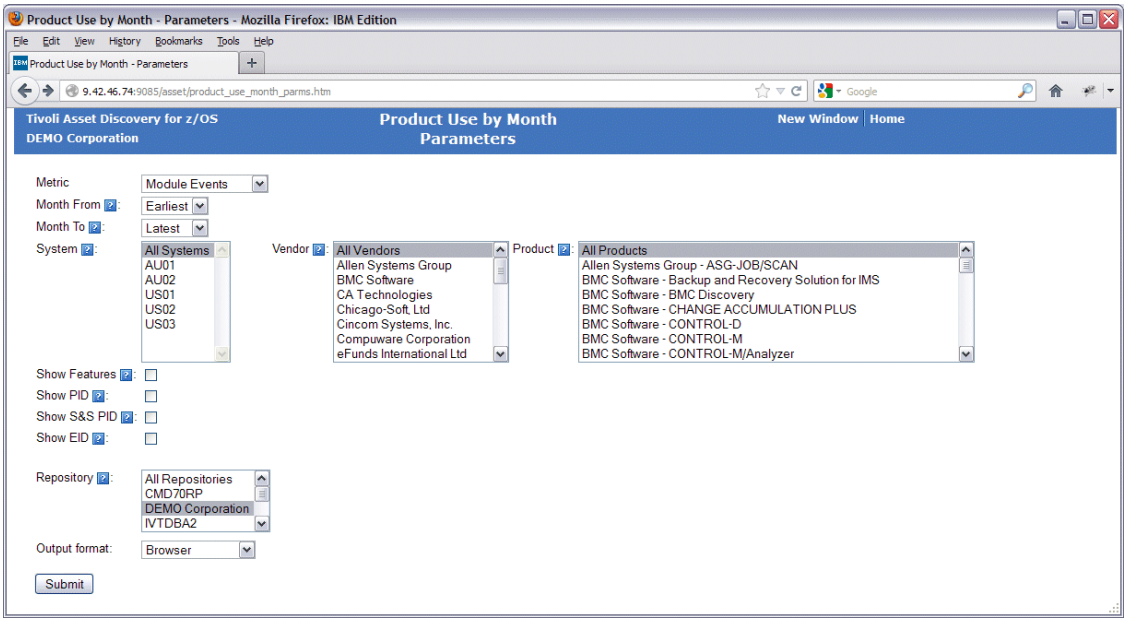
/asset/product_use_month
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
showpid = *off*
showsspid = *off*
showeid = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*>	Yes	In batch mode, if you do not

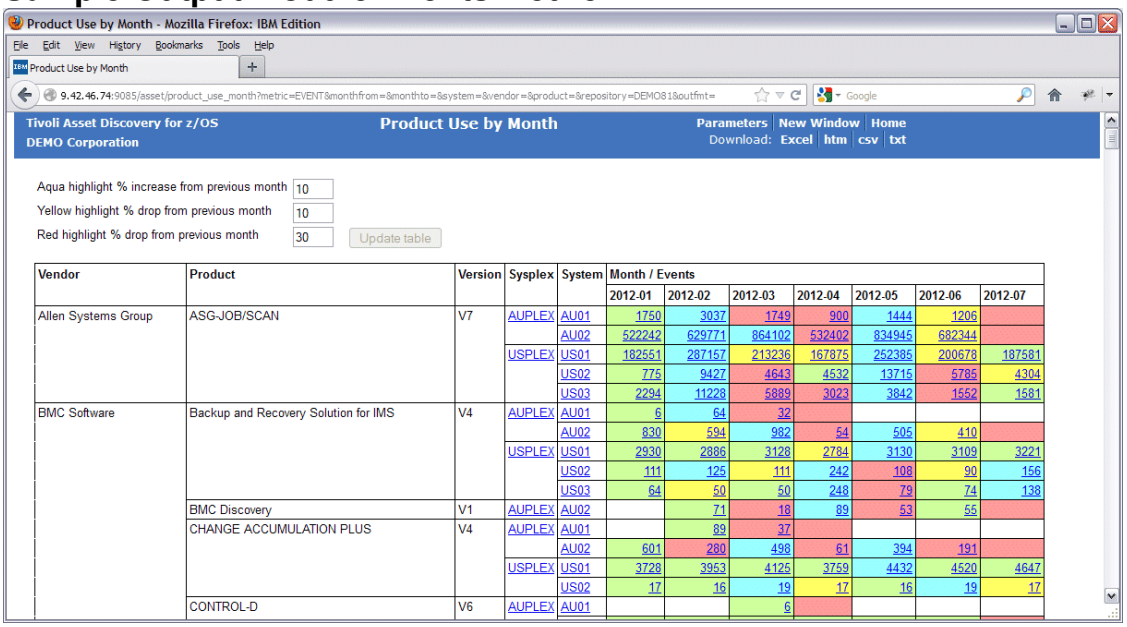
Online parameter	Batch mode parameter	Optional	Description
	To select multiple vendors, repeat the line for each additional vendor.		specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Show PID	showpid= *on/off*	Yes	Includes the product identifier in the report.
Show S&S PID	Showsspid= *on/off*	Yes	Includes the service subscription product identifier in the report.
Show EID	showeid= *on/off*	Yes	Includes the entitlement identifier in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report will show product usage trends by month.

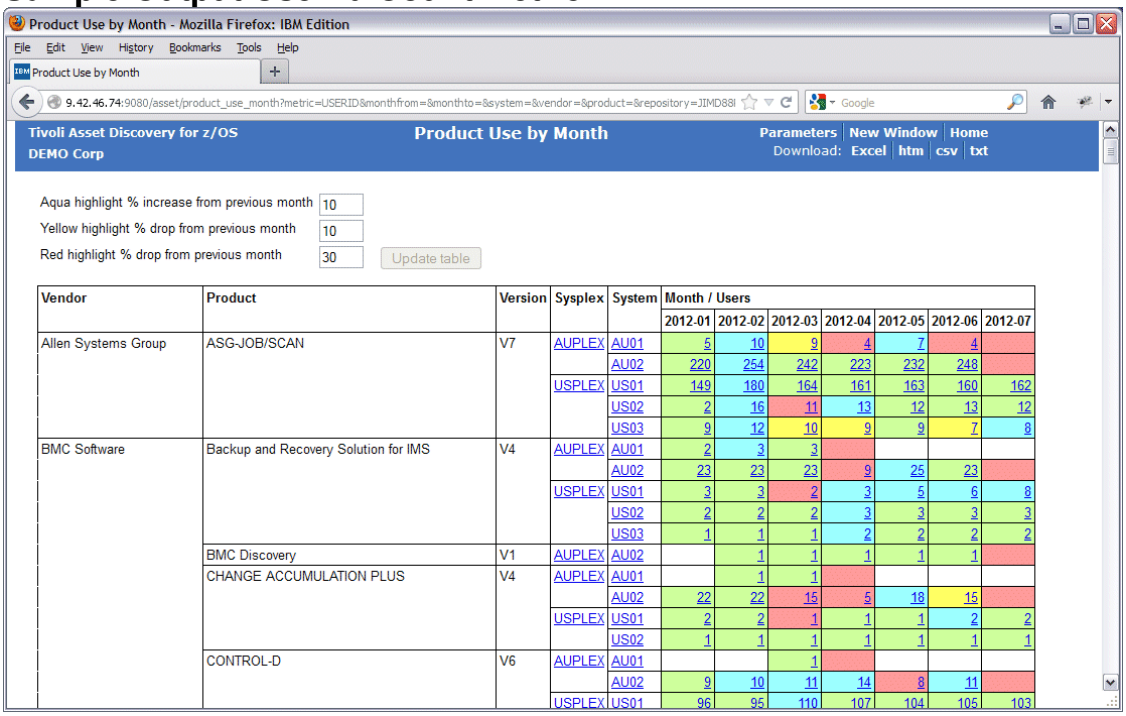
Sample Output Module Events Metric:



Vendor	Product	Version	Sysplex	System	Month / Events						
					2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	ASG-JOB/SCAN	V7	AUPLEX	AU01	1750	3037	1749	900	1444	1206	
				AU02	522242	629771	864102	532402	834945	682344	
			USPLEX	US01	182551	287157	213236	167875	252385	200678	187581
				US02	775	9427	4643	4532	13715	5785	4304
				US03	2294	11228	5889	3023	3842	1552	1581
BMC Software	Backup and Recovery Solution for IMS	V4	AUPLEX	AU01	6	64	32				
				AU02	830	594	982	54	505	410	
			USPLEX	US01	2930	2886	3128	2784	3130	3109	3221
				US02	111	125	111	242	108	90	156
				US03	64	50	50	248	79	74	138
	BMC Discovery	V1	AUPLEX	AU02		71	18	89	53	55	
	CHANGE ACCUMULATION PLUS	V4	AUPLEX	AU01		89	37				
				AU02	601	280	498	61	394	191	
			USPLEX	US01	3728	3953	4125	3759	4432	4520	4647
				US02	17	16	19	17	16	19	17
	CONTROL-D	V6	AUPLEX	AU01			6				

This report will show product usage trends using the Events as the metric. You can see from the screen shot that different colours are allocated for trending. You can change the percentages and refresh to see the results.

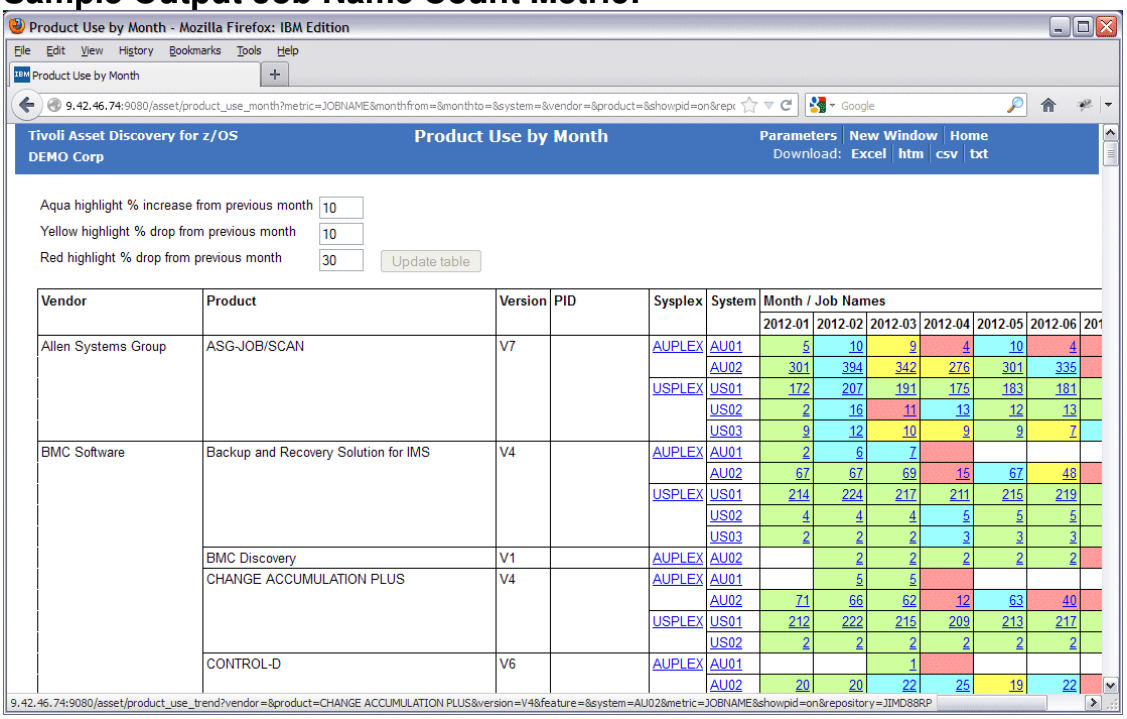
Sample Output User Id Count Metric:



Vendor	Product	Version	Sysplex	System	Month / Users						
					2012-01	2012-02	2012-03	2012-04	2012-05	2012-06	2012-07
Allen Systems Group	ASG-JOB/SCAN	V7	AUPLEX	AU01	5	10	9	4	7	4	
				AU02	220	254	242	223	232	248	
			USPLEX	US01	149	180	164	161	163	160	162
				US02	2	16	11	13	12	13	12
				US03	9	12	10	9	9	7	8
BMC Software	Backup and Recovery Solution for IMS	V4	AUPLEX	AU01	2	3	3				
				AU02	23	23	23	9	25	23	
			USPLEX	US01	3	3	2	3	5	6	8
				US02	2	2	2	3	3	3	3
				US03	1	1	1	2	2	2	2
	BMC Discovery	V1	AUPLEX	AU02		1	1	1	1	1	
	CHANGE ACCUMULATION PLUS	V4	AUPLEX	AU01		1	1				
				AU02	22	22	15	5	18	15	
			USPLEX	US01	2	2	1	1	1	2	2
				US02	1	1	1	1	1	1	1
	CONTROL-D	V6	AUPLEX	AU01			1				
				AU02	9	10	11	14	8	11	
			USPLEX	US01	96	95	110	107	104	105	103

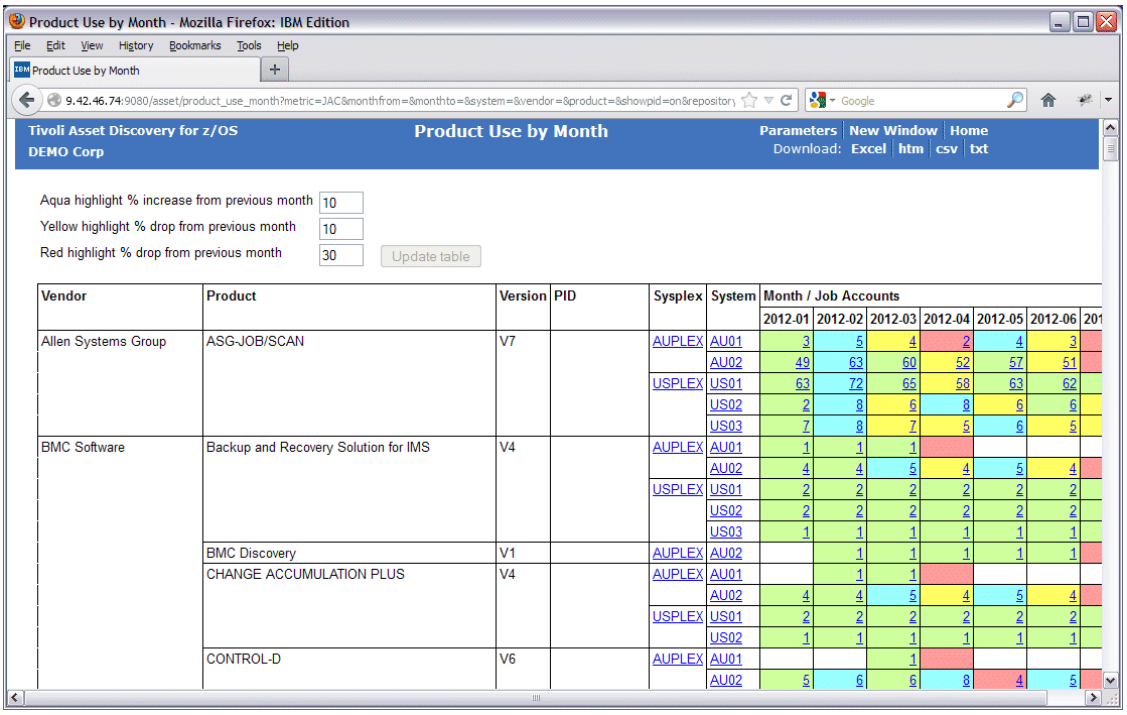
This report will show product usage trends using the Users as the metric. You can see from the screen shot that different colours are allocated for trending. You can change the percentages and refresh to see the results.

Sample Output Job Name Count Metric:



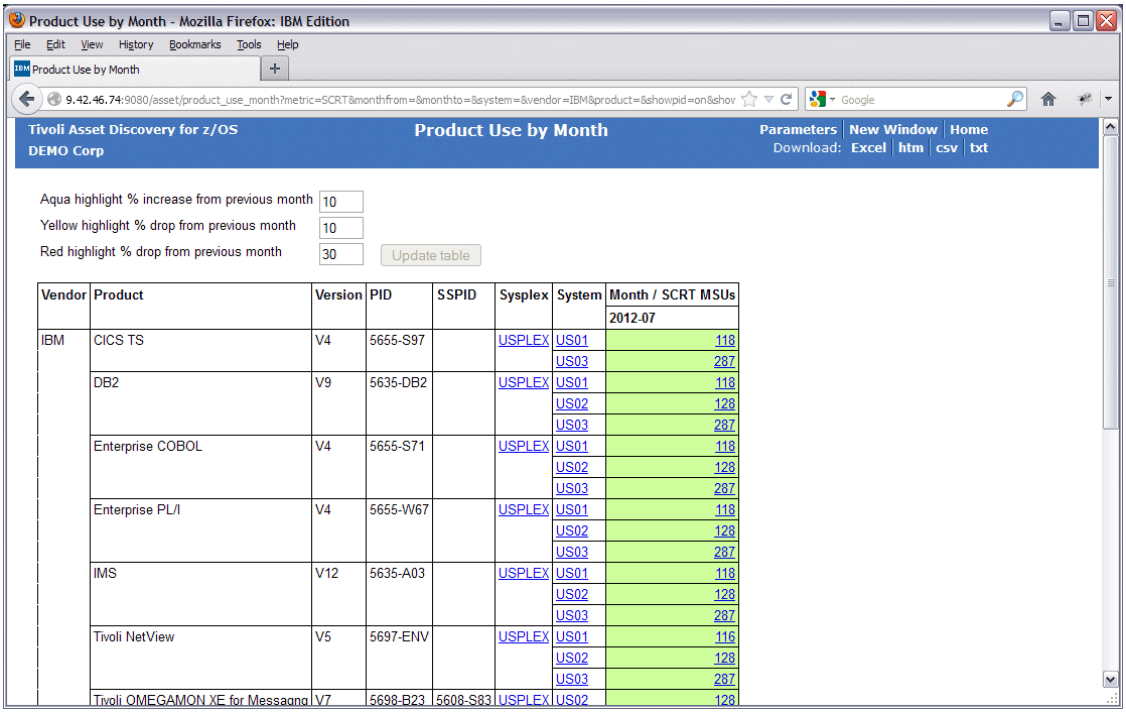
This report will show product usage trends using the Job Names as the metric. You can see from the screen shot that different colours are allocated for trending. You can change the percentages and refresh to see the results.

Sample Output Job Account Count Metric:



This report will show product usage trends using the Job Account Codes as the metric. You can see from the screen shot that different colours are allocated for trending. You can change the percentages and refresh to see the results.

Sample Output SCRT MSU Metric:



Vendor	Product	Version	PID	SSPID	Sysplex	System	Month / SCRT MSUs
							2012-07
IBM	CICS TS	V4	5655-S97		USPLEX	US01	118
						US03	287
	DB2	V9	5635-DB2		USPLEX	US01	118
						US02	128
						US03	287
	Enterprise COBOL	V4	5655-S71		USPLEX	US01	118
						US02	128
						US03	287
	Enterprise PL/I	V4	5655-W67		USPLEX	US01	118
						US02	128
						US03	287
	IMS	V12	5635-A03		USPLEX	US01	118
						US02	128
						US03	287
	Tivoli NetView	V5	5697-ENV		USPLEX	US01	116
						US02	128
						US03	287
	Tivoli OMEGAMON XE for Messaging	V7	5698-B23	5608-S83	USPLEX	US02	128

This report will show product usage trends using the SCRT MSU as the metric. You can change the percentages and refresh to see the results.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
PID	The PID of the product
SS PID	The IBM S&S PID for the product
Feature	The feature of the product
EID	IBM Entitlement ID
Sysplex	The Sysplex the product was used on
System	The system the product was last used on
Month	The Month of Execution
Events	How many events (load module executions) were record for the product for each system
Users	The number of Unique users that executed the product for the

Column Name	Description
	selected period.
Job Names	The number of Unique Job Names that executed the product for the selected period.
Job Accounts	The number of Unique Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the system. This data is imported from the SCRT product.

Links to drilldown reports

- Sysplex: Product Use Trend report
- System: Product Use Trend report
- Events, Users, SCRT MSU: User IDs that have used the product.
- Job Names: Job names that have used the product.
- Job Accounts: Job account that have used the product

Product Use Trend report

The Product Use Trend report provides a summary of product usage trends

Batch report query

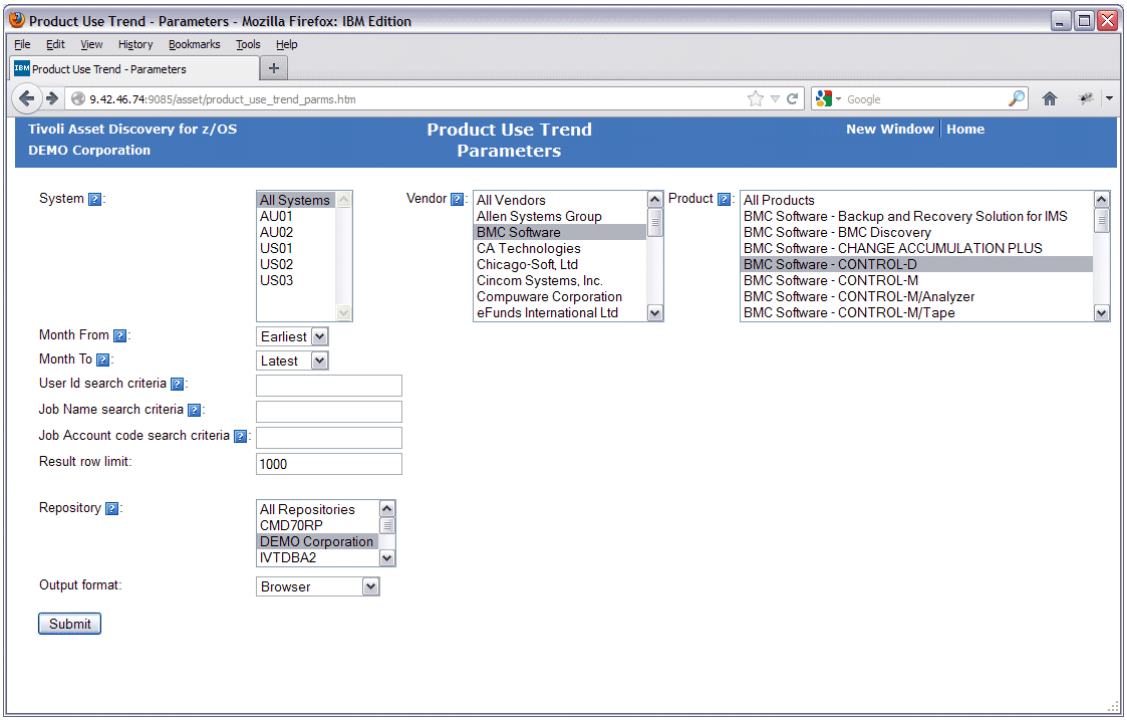
/asset/product_use_trend
system = <*system*>
vendor = <*vendor*>
product = <*product*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
userid = <*userid*>
jobname = <*jobname*>
jobacc = <*jobacc*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

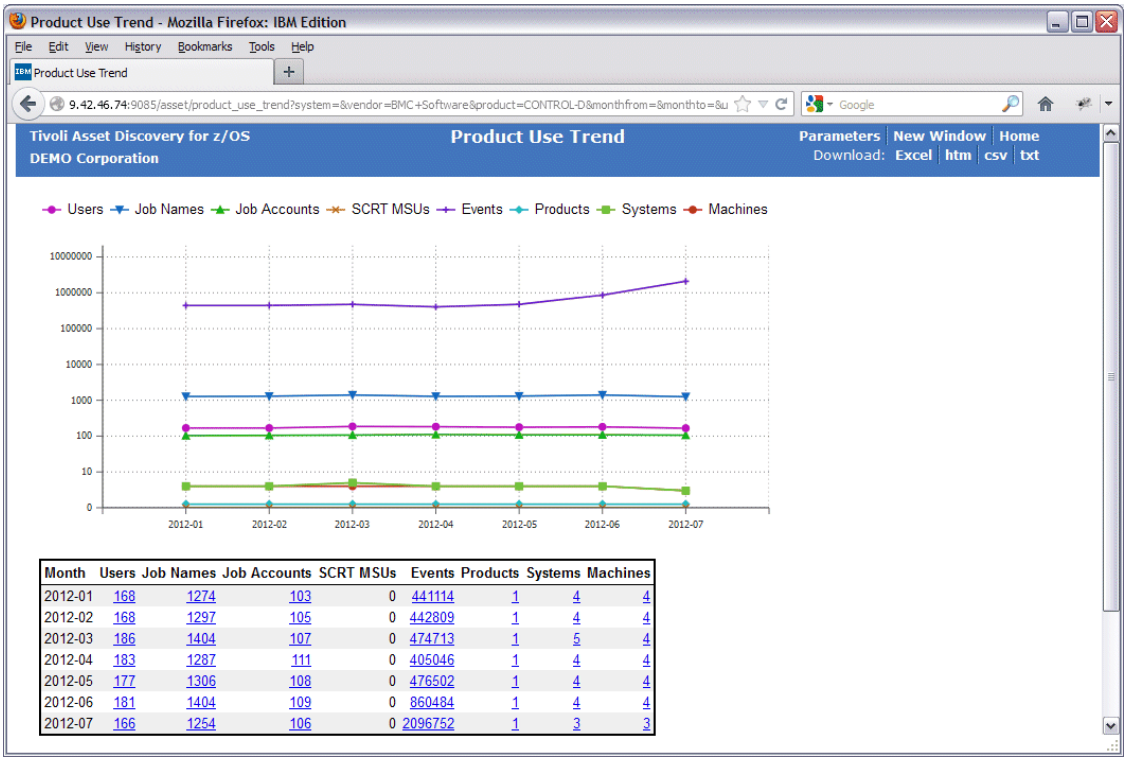
Online parameter	Batch mode parameter	Optional	Description
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month.
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month.
Userid search criteria	userid = <*userid*>	Yes	User id to search

Online parameter	Batch mode parameter	Optional	Description
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account code to search
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



Sample Output Product Use Trend:



Month	Users	Job Names	Job Accounts	SCRT MSUs	Events	Products	Systems	Machines
2012-01	168	1274	103	0	441114	1	4	4
2012-02	168	1297	105	0	442809	1	4	4
2012-03	186	1404	107	0	474713	1	5	4
2012-04	183	1287	111	0	405046	1	4	4
2012-05	177	1306	108	0	476502	1	4	4
2012-06	181	1404	109	0	860484	1	4	4
2012-07	166	1254	106	0	2096752	1	3	3

This report is used as the base for drill downs to other parts of the TADz Repository. All the Usage type reports use this screen to show further information.

Links to drilldown reports

- Users: Product Use Trend User Ids report showing the User Ids that used the product
- Job Names: Product Use Trend User Job Names report showing the Job Names that used the product
- Job Accounts: Product Use Trend Job Accounts report showing the Job Accounts that used the product
- Events: Product Library Usage report showing the usage events for the product
- Products: Product Inventory report showing the Product Inventory data for the product
- Systems: Product by System report showing the Systems the product is installed on
- Machines: Product Use by Machine report showing the machines the product is installed on

Product Use Trend User Ids

This report is a drill down report that will show the user ids that used the product for the selected month.

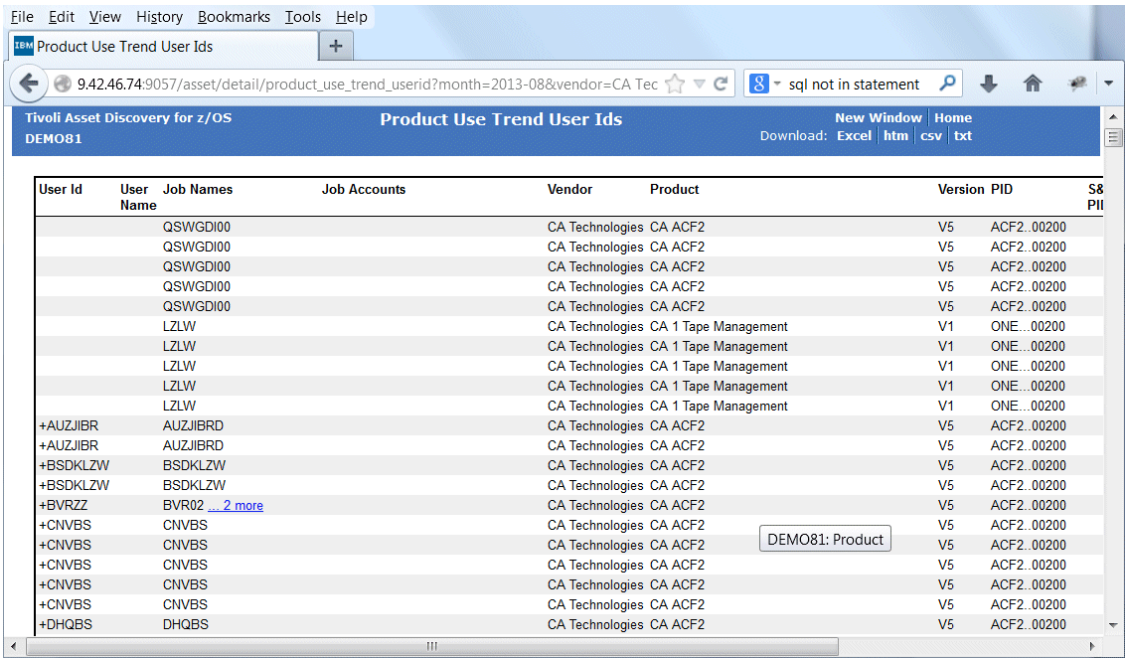
Batch report query

/asset/detail/product_use_trend_userid
month = *YYYY-MM*
vendor = <*vendor*>
product = <*product*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Output Product Use Trend User Ids:



This report shows the User Ids for a product for the selected month.

Product Use Trend Job Names

This report is a drill down report that will show the jobnames that used the product for the selected month.

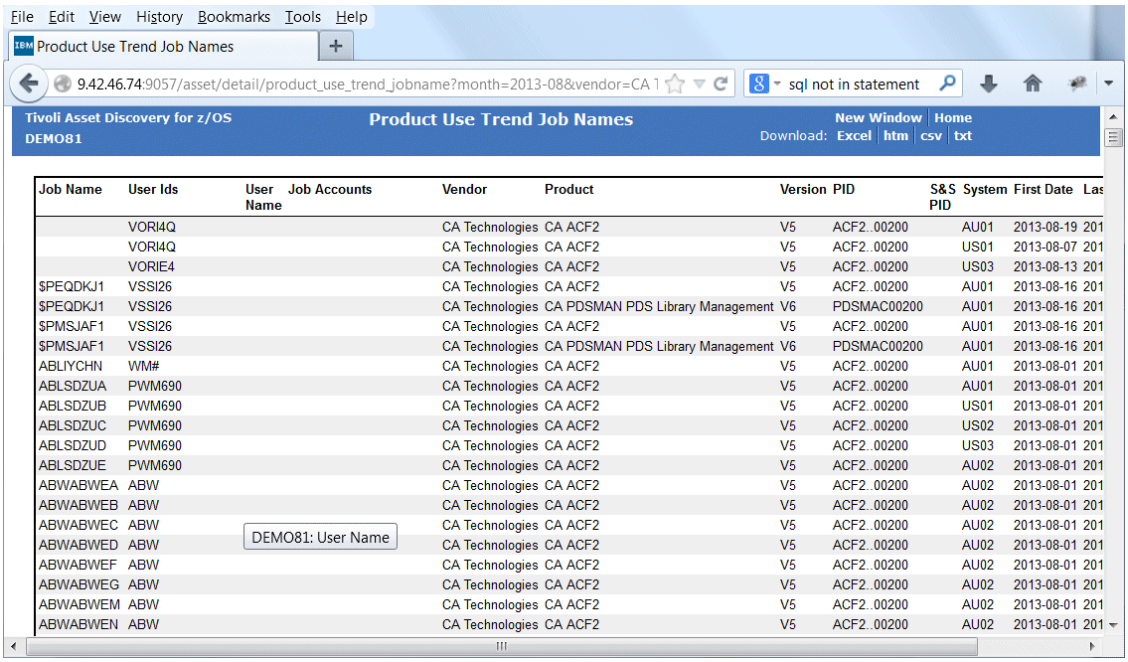
Batch report query

/asset/detail/product_use_trend_jobname
month = *YYYY-MM*
vendor = <*vendor*>
product = <*product*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Output Product Use Trend Job Names:



Job Name	User Ids	User Name	Job Accounts	Vendor	Product	Version	PID	S&S PID	System	First Date	Las
	VORI4Q			CA Technologies	CA ACF2	V5	ACF2..00200		AU01	2013-08-19	201
	VORI4Q			CA Technologies	CA ACF2	V5	ACF2..00200		US01	2013-08-07	201
	VORIE4			CA Technologies	CA ACF2	V5	ACF2..00200		US03	2013-08-13	201
$PEQDKJ1	VSSI26			CA Technologies	CA ACF2	V5	ACF2..00200		AU01	2013-08-16	201
$PEQDKJ1	VSSI26			CA Technologies	CA PDSMAN PDS Library Management	V6	PDSMAC00200		AU01	2013-08-16	201
$PMSJAF1	VSSI26			CA Technologies	CA ACF2	V5	ACF2..00200		AU01	2013-08-16	201
$PMSJAF1	VSSI26			CA Technologies	CA PDSMAN PDS Library Management	V6	PDSMAC00200		AU01	2013-08-16	201
ABLIYCHN	WM#			CA Technologies	CA ACF2	V5	ACF2..00200		AU01	2013-08-01	201
ABLSDZUA	PWM690			CA Technologies	CA ACF2	V5	ACF2..00200		AU01	2013-08-01	201
ABLSDZUB	PWM690			CA Technologies	CA ACF2	V5	ACF2..00200		US01	2013-08-01	201
ABLSDZUC	PWM690			CA Technologies	CA ACF2	V5	ACF2..00200		US02	2013-08-01	201
ABLSDZUD	PWM690			CA Technologies	CA ACF2	V5	ACF2..00200		US03	2013-08-01	201
ABLSDZUE	PWM690			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEA	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEB	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEC	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWED	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEF	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEG	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEM	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201
ABWABWEN	ABW			CA Technologies	CA ACF2	V5	ACF2..00200		AU02	2013-08-01	201

This report shows the jobnames for a product for the selected month.

Product Use Trend Job Account Codes

This report is a drill down report that will show the account codes that used the product for the selected month.

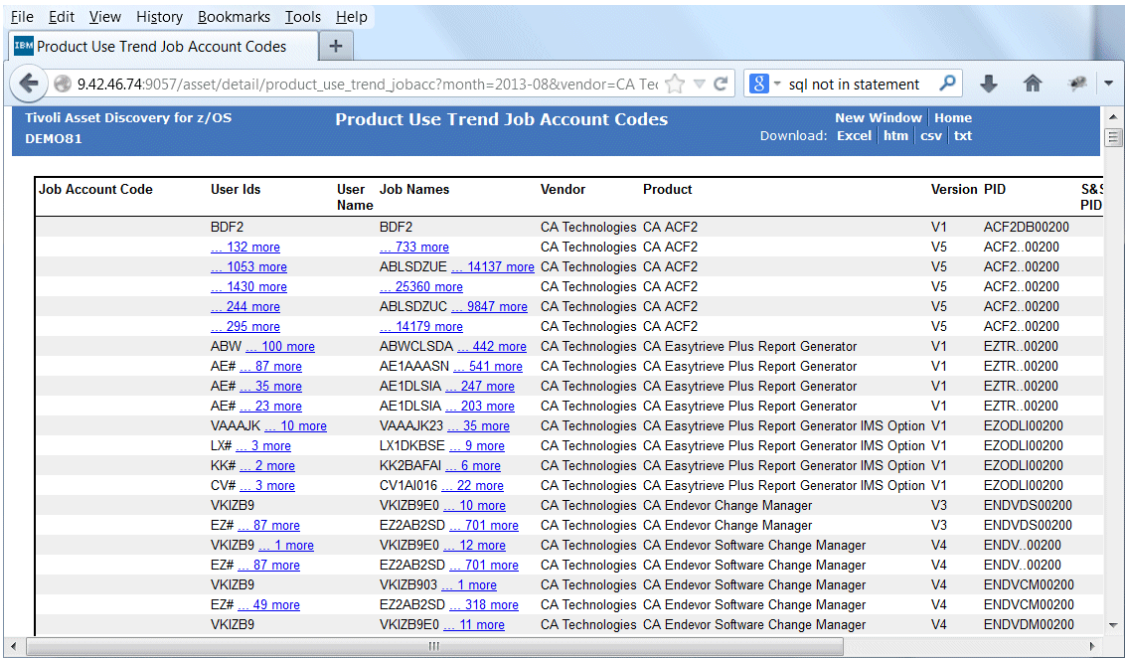
Batch report query

/asset/detail/product_use_trend_jobacc
month = *YYYY-MM*
vendor = <*vendor*>
product = <*product*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Output Product Use Trend Job Account Codes:



Job Account Code	User Ids	User Name	Job Names	Vendor	Product	Version	PID	S&S PID
	BDF2		BDF2	CA Technologies	CA ACF2	V1	ACF2DB00200	
	... 132 more		... 733 more	CA Technologies	CA ACF2	V5	ACF2..00200	
	... 1053 more		ABLSDZUE ... 14137 more	CA Technologies	CA ACF2	V5	ACF2..00200	
	... 1430 more		... 25360 more	CA Technologies	CA ACF2	V5	ACF2..00200	
	... 244 more		ABLSDZUC ... 9847 more	CA Technologies	CA ACF2	V5	ACF2..00200	
	... 295 more		... 14179 more	CA Technologies	CA ACF2	V5	ACF2..00200	
	ABW ... 100 more		ABWCLSDA ... 442 more	CA Technologies	CA Easytrieve Plus Report Generator	V1	EZTR..00200	
	AE# ... 87 more		AE1AAASN ... 541 more	CA Technologies	CA Easytrieve Plus Report Generator	V1	EZTR..00200	
	AE# ... 35 more		AE1DLSIA ... 247 more	CA Technologies	CA Easytrieve Plus Report Generator	V1	EZTR..00200	
	AE# ... 23 more		AE1DLSIA ... 203 more	CA Technologies	CA Easytrieve Plus Report Generator	V1	EZTR..00200	
	VAAAJK ... 10 more		VAAAJK23 ... 35 more	CA Technologies	CA Easytrieve Plus Report Generator IMS Option	V1	EZODLI00200	
	LX# ... 3 more		LX1DKBSE ... 9 more	CA Technologies	CA Easytrieve Plus Report Generator IMS Option	V1	EZODLI00200	
	KK# ... 2 more		KK2BAFAI ... 6 more	CA Technologies	CA Easytrieve Plus Report Generator IMS Option	V1	EZODLI00200	
	CV# ... 3 more		CV1AI016 ... 22 more	CA Technologies	CA Easytrieve Plus Report Generator IMS Option	V1	EZODLI00200	
	VKIZB9		VKIZB9E0 ... 10 more	CA Technologies	CA Endevor Change Manager	V3	ENDVDS00200	
	EZ# ... 87 more		EZ2AB2SD ... 701 more	CA Technologies	CA Endevor Change Manager	V3	ENDVDS00200	
	VKIZB9 ... 1 more		VKIZB9E0 ... 12 more	CA Technologies	CA Endevor Software Change Manager	V4	ENDV..00200	
	EZ# ... 87 more		EZ2AB2SD ... 701 more	CA Technologies	CA Endevor Software Change Manager	V4	ENDV..00200	
	VKIZB9		VKIZB903 ... 1 more	CA Technologies	CA Endevor Software Change Manager	V4	ENDVCM00200	
	EZ# ... 49 more		EZ2AB2SD ... 318 more	CA Technologies	CA Endevor Software Change Manager	V4	ENDVCM00200	
	VKIZB9		VKIZB9E0 ... 11 more	CA Technologies	CA Endevor Software Change Manager	V4	ENDVDM00200	

This report shows the account codes for a product for the selected month.

Product Use by Machine report

The Product Use by Machine report provides a summary of product use for specified machines

Batch report query

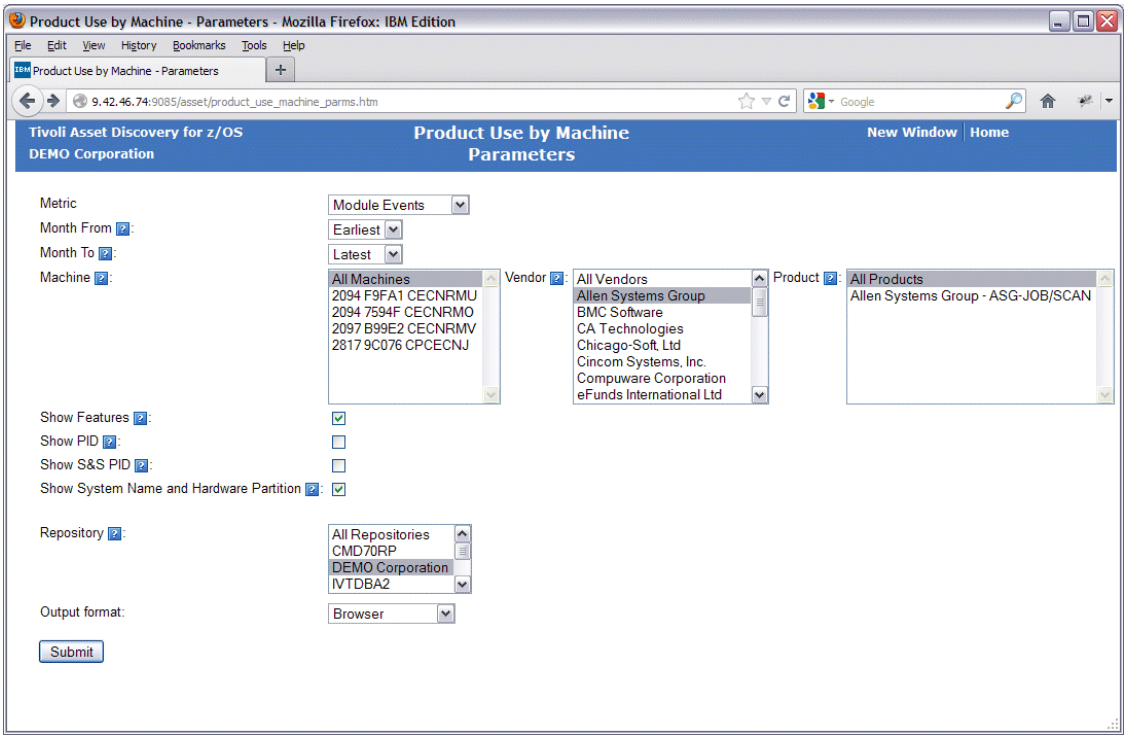
/asset/product_use_machine
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
machine = <*machine*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
showpid = *off*
showsspid = *off*
showhard = *off*
repository = *&REPZSCHM*

Input Parameters:

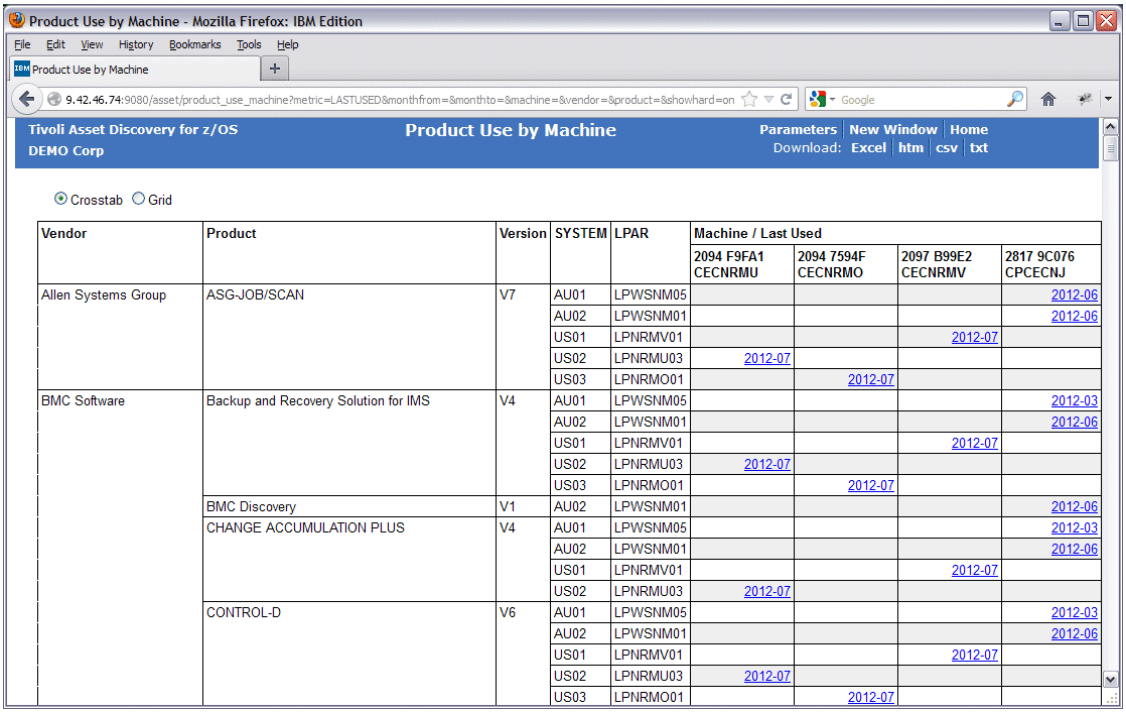
Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • LASTUSED: Show last used month. • FIRSTUSED: Show first used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count. • SCRT: Show SCRT MSU.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Machine	machine = <*machine*>	Yes	In batch mode, if you do not specify a machine, all

Online parameter	Batch mode parameter	Optional	Description
	To select multiple machines, repeat the line for each additional machine.		machines are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Show PID	showpid= *on/off*	Yes	Lists the product identifier in the report.
Show S&S PID	showsspid= *on/off*	Yes	Includes the service subscription product identifier in the report.
Show System Name and Hardware Partition	showhard= *on/off*	Yes	Includes the system name and the hardware partition name in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



Sample Output Last Used Metric:



Product Use by Machine - Mozilla Firefox: IBM Edition

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Product Use by Machine

9.42.46.74:9080/asset/product_use_machine?metric=LASTUSED&monthfrom=&monthto=&machine=&vendor=&product=&showhard=on

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Product Use by Machine

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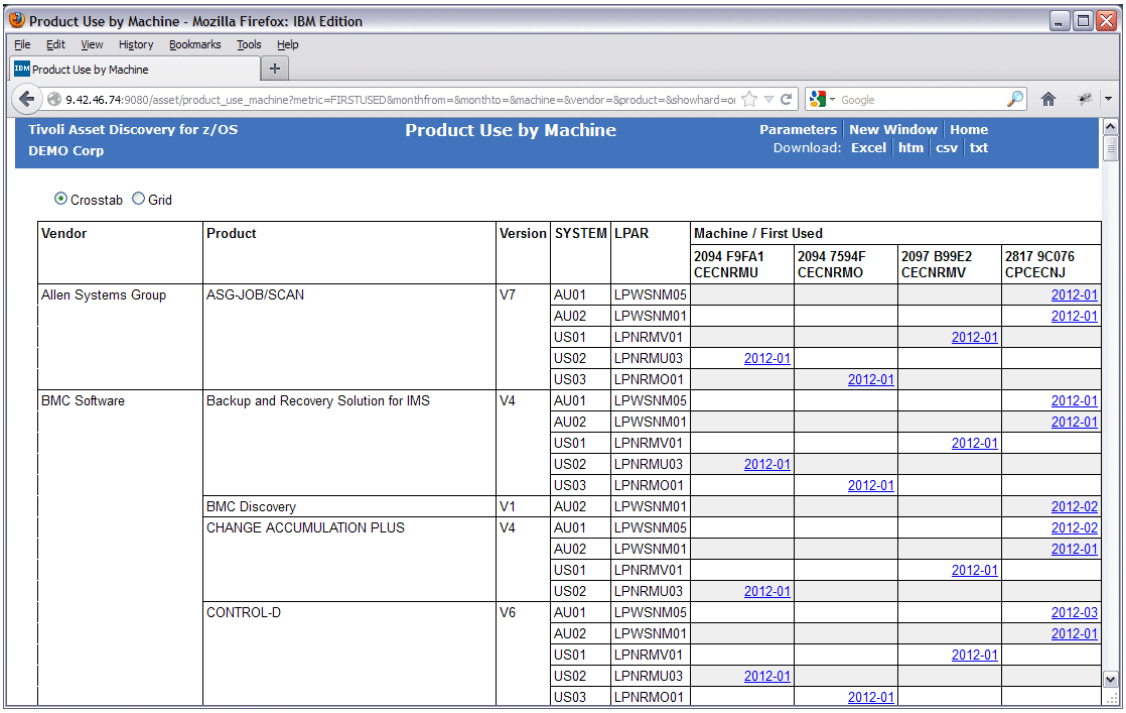
Crosstab Grid

Vendor	Product	Version	SYSTEM	LPAR	Machine / Last Used			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
Allen Systems Group	ASG-JOB/SCAN	V7	AU01	LPWSNM05				2012-06
			AU02	LPWSNM01				2012-06
			US01	LPNRMV01			2012-07	
			US02	LPNRMU03	2012-07			
			US03	LPNRMO01		2012-07		
BMC Software	Backup and Recovery Solution for IMS	V4	AU01	LPWSNM05				2012-03
			AU02	LPWSNM01				2012-06
			US01	LPNRMV01			2012-07	
			US02	LPNRMU03	2012-07			
			US03	LPNRMO01		2012-07		
	BMC Discovery	V1	AU02	LPWSNM01				2012-06
	CHANGE ACCUMULATION PLUS	V4	AU01	LPWSNM05				2012-03
			AU02	LPWSNM01				2012-06
			US01	LPNRMV01			2012-07	
			US02	LPNRMU03	2012-07			
	CONTROL-D	V6	AU01	LPWSNM05				2012-03
			AU02	LPWSNM01				2012-06
			US01	LPNRMV01			2012-07	
			US02	LPNRMU03	2012-07			
			US03	LPNRMO01		2012-07		

This report shows the Last Usage date for a product by machine. Clicking on the date will take you to the Product Use Trend report.

Sample Output First Used Metric:



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Product Use by Machine

9.42.46.74:9080/asset/product_use_machine?metric=FIRSTUSED&monthfrom=&monthto=&machine=&vendor=&product=&showhard=on

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Product Use by Machine

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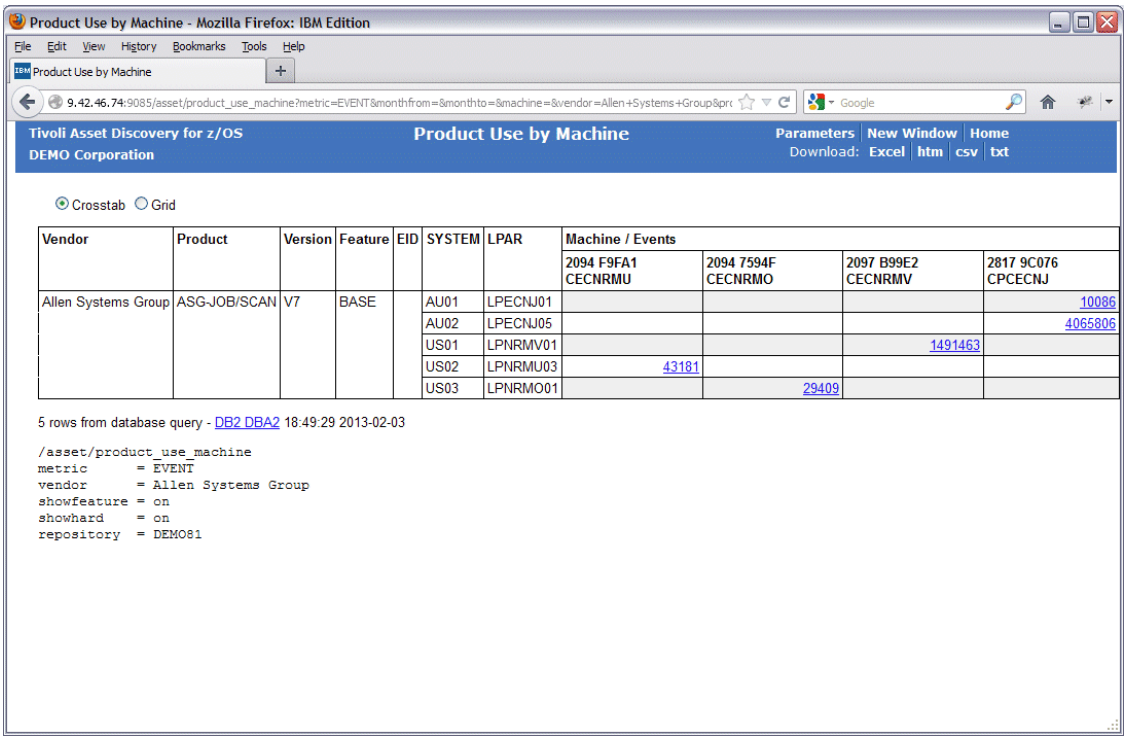
Crosstab Grid

Vendor	Product	Version	SYSTEM	LPAR	Machine / First Used			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
Allen Systems Group	ASG-JOB/SCAN	V7	AU01	LPWSNM05				2012-01
			AU02	LPWSNM01				2012-01
			US01	LPNRMV01			2012-01	
			US02	LPNRMU03	2012-01			
			US03	LPNRMO01		2012-01		
BMC Software	Backup and Recovery Solution for IMS	V4	AU01	LPWSNM05				2012-01
			AU02	LPWSNM01				2012-01
			US01	LPNRMV01			2012-01	
			US02	LPNRMU03	2012-01			
			US03	LPNRMO01		2012-01		
	BMC Discovery	V1	AU02	LPWSNM01				2012-02
	CHANGE ACCUMULATION PLUS	V4	AU01	LPWSNM05				2012-02
			AU02	LPWSNM01				2012-01
			US01	LPNRMV01			2012-01	
			US02	LPNRMU03	2012-01			
	CONTROL-D	V6	AU01	LPWSNM05				2012-03
			AU02	LPWSNM01				2012-01
			US01	LPNRMV01			2012-01	
			US02	LPNRMU03	2012-01			
			US03	LPNRMO01		2012-01		

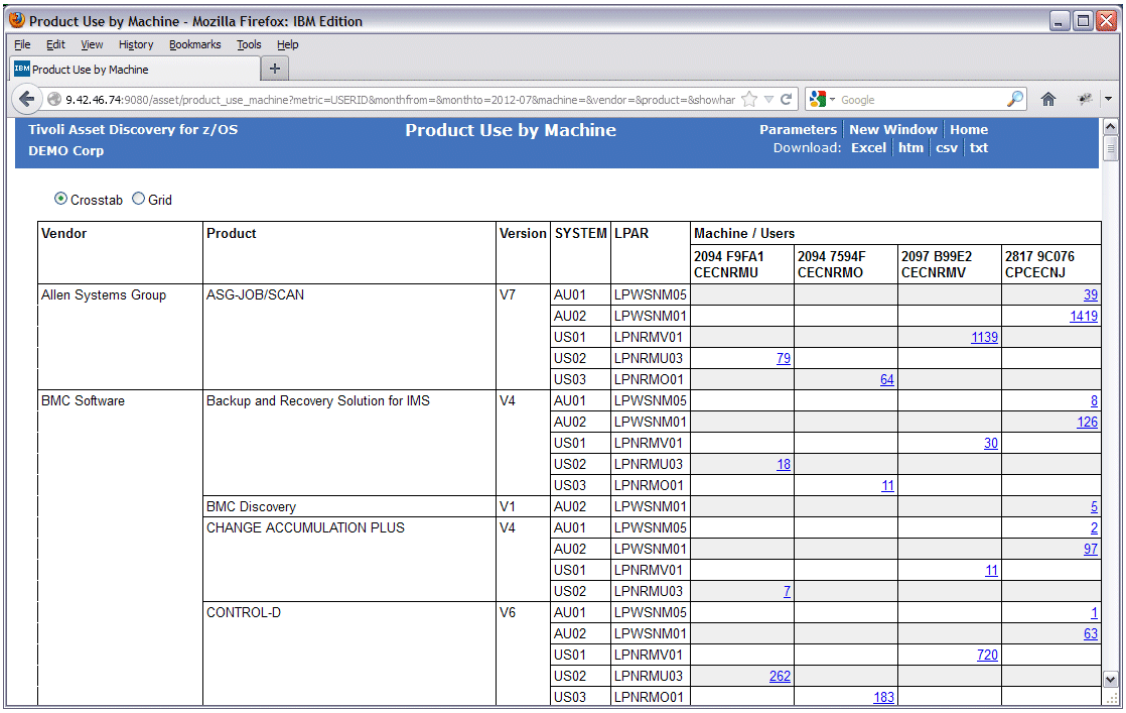
This report shows the First Used date for a product by machine. Clicking on the date will take you to the Product Use Trend report.

Sample Output Module Events Metric:



This report shows the Module Events for a product by machine. Clicking on the Usage figure will take you to the Product Use Trend report.

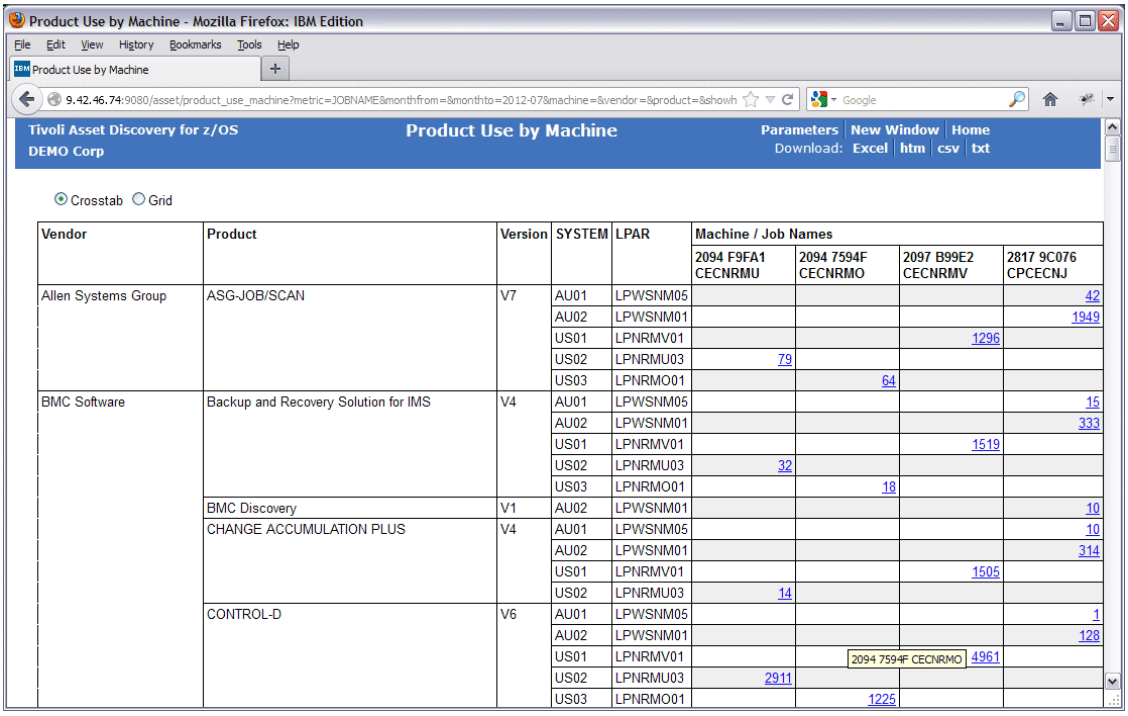
Sample Output User Id Count Metric:



Vendor	Product	Version	SYSTEM	LPAR	Machine / Users			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
Allen Systems Group	ASG-JOB/SCAN	V7	AU01	LPWSNM05				39
			AU02	LPWSNM01				1419
			US01	LPNRMV01			1139	
			US02	LPNRMU03	79			
			US03	LPNRMO01		64		
BMC Software	Backup and Recovery Solution for IMS	V4	AU01	LPWSNM05				8
			AU02	LPWSNM01				126
			US01	LPNRMV01			30	
			US02	LPNRMU03	18			
			US03	LPNRMO01		11		
	BMC Discovery	V1	AU02	LPWSNM01				5
	CHANGE ACCUMULATION PLUS	V4	AU01	LPWSNM05				2
			AU02	LPWSNM01				97
			US01	LPNRMV01			11	
			US02	LPNRMU03	7			
	CONTROL-D	V6	AU01	LPWSNM05				1
			AU02	LPWSNM01				63
			US01	LPNRMV01			720	
			US02	LPNRMU03	262			
			US03	LPNRMO01		183		

This report shows the Unique Users for a product by machine. Clicking on the Users will take you to the Product Use Trend report.

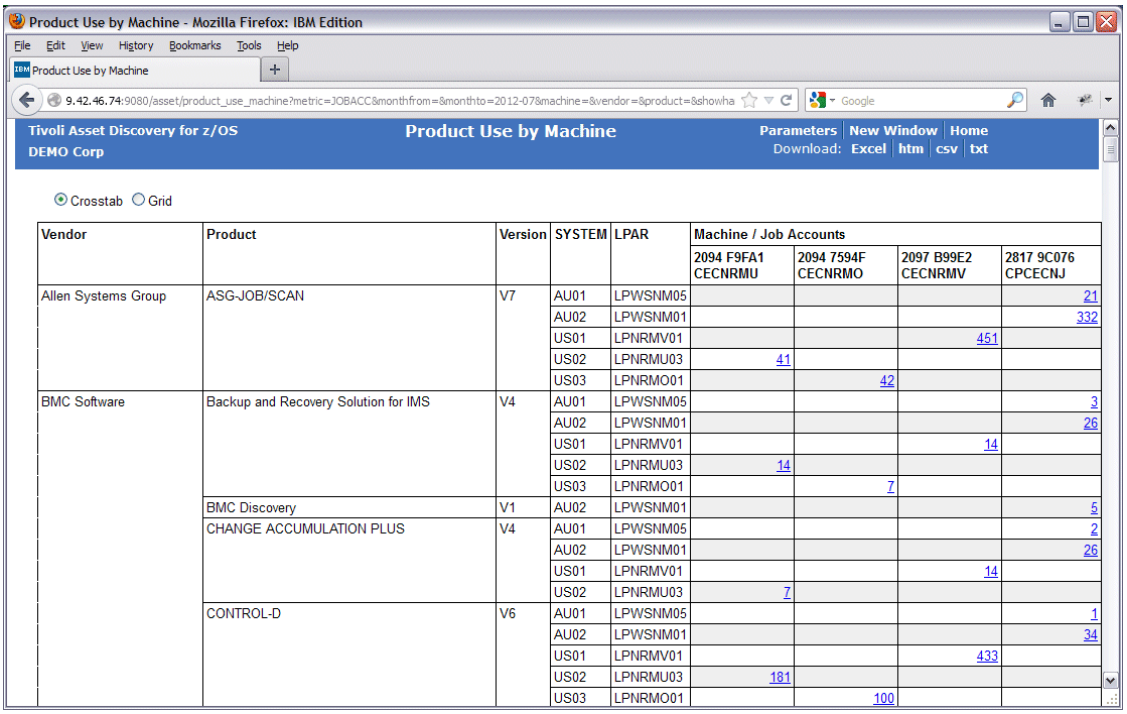
Sample Output Job Name Count Metric:



Vendor	Product	Version	SYSTEM	LPAR	Machine / Job Names			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
Allen Systems Group	ASG-JOB/SCAN	V7	AU01	LPWSNM05				42
			AU02	LPWSNM01				1949
			US01	LPNRMV01			1296	
			US02	LPNRMU03	79			
			US03	LPNRMO01		64		
BMC Software	Backup and Recovery Solution for IMS	V4	AU01	LPWSNM05				15
			AU02	LPWSNM01				333
			US01	LPNRMV01			1519	
			US02	LPNRMU03	32			
			US03	LPNRMO01		18		
	BMC Discovery	V1	AU02	LPWSNM01				10
	CHANGE ACCUMULATION PLUS	V4	AU01	LPWSNM05				10
			AU02	LPWSNM01				314
			US01	LPNRMV01			1505	
			US02	LPNRMU03	14			
	CONTROL-D	V6	AU01	LPWSNM05				1
			AU02	LPWSNM01				128
			US01	LPNRMV01		2094 7594F CECNRMO 4961		
			US02	LPNRMU03	2911			
			US03	LPNRMO01		1225		

This report shows the Unique Job Names for a product by machine. Clicking on the Job Name will take you to the Product Use Trend report.

Sample Output Job Account Count Metric:



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Product Use by Machine

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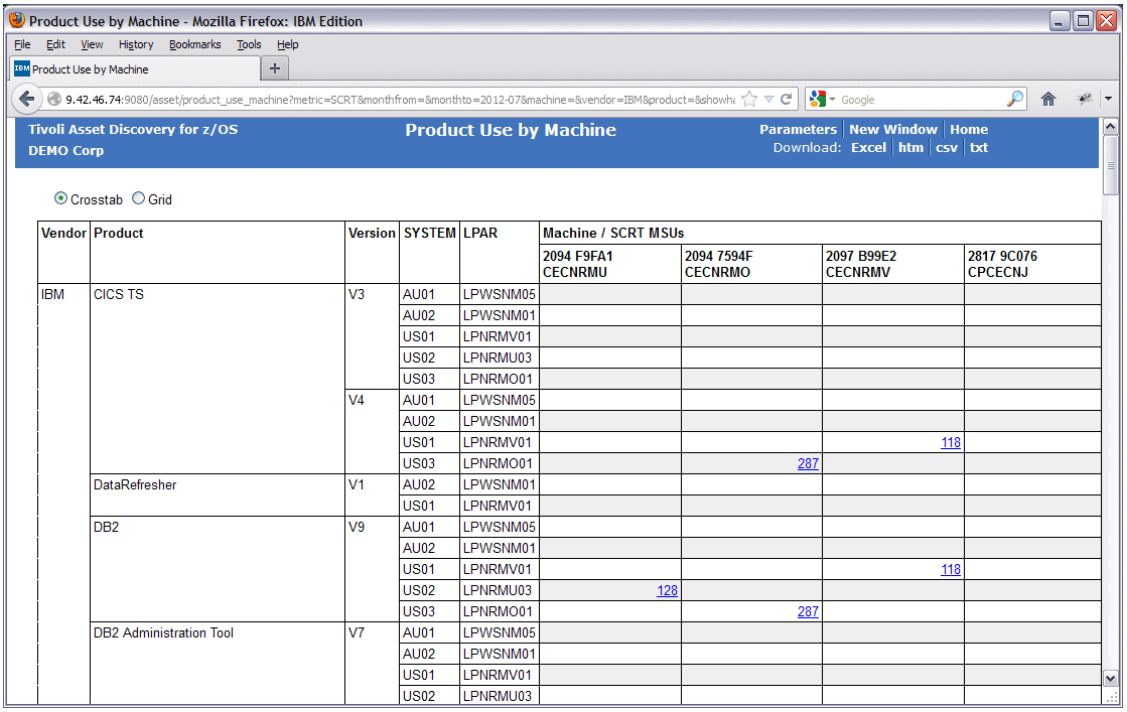
Crosstab / Grid

Vendor	Product	Version	SYSTEM	LPAR	Machine / Job Accounts			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
Allen Systems Group	ASG-JOB/SCAN	V7	AU01	LPWSNM05				21
			AU02	LPWSNM01				332
			US01	LPNRMV01			451	
			US02	LPNRMU03	41			
			US03	LPNRMO01		42		
BMC Software	Backup and Recovery Solution for IMS	V4	AU01	LPWSNM05				3
			AU02	LPWSNM01				26
			US01	LPNRMV01			14	
			US02	LPNRMU03	14			
			US03	LPNRMO01		7		
	BMC Discovery	V1	AU02	LPWSNM01				5
	CHANGE ACCUMULATION PLUS	V4	AU01	LPWSNM05				2
			AU02	LPWSNM01				26
			US01	LPNRMV01			14	
			US02	LPNRMU03	7			
	CONTROL-D	V6	AU01	LPWSNM05				1
			AU02	LPWSNM01				34
			US01	LPNRMV01			433	
			US02	LPNRMU03	181			
			US03	LPNRMO01		100		

This report shows the unique Job Account Codes for a product by machine. Clicking on the Job Accounts will take you to the Product Use Trend report.

Sample Output SCRT MSU Metric:



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Crosstab / Grid

Vendor	Product	Version	SYSTEM	LPAR	Machine / SCRT MSUs			
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	2817 9C076 CPCECNJ
IBM	CICS TS	V3	AU01	LPWSNM05				
			AU02	LPWSNM01				
			US01	LPNRMV01				
			US02	LPNRMU03				
			US03	LPNRMO01				
		V4	AU01	LPWSNM05				
			AU02	LPWSNM01				
			US01	LPNRMV01			118	
			US03	LPNRMO01		287		
	DataRefresher	V1	AU02	LPWSNM01				
			US01	LPNRMV01				
	DB2	V9	AU01	LPWSNM05				
			AU02	LPWSNM01				
			US01	LPNRMV01			118	
			US02	LPNRMU03	128			
			US03	LPNRMO01		287		
	DB2 Administration Tool	V7	AU01	LPWSNM05				
			AU02	LPWSNM01				
			US01	LPNRMV01				
			US02	LPNRMU03				

This report shows SCRT MSU value for a product by machine. Clicking on the SCRT MSU will take you to the Product Use Trend report.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
PID	The PID of the product
SS PID	The IBM S&S PID for the product
Feature	The feature of the product
EID	IBM Entitlement ID
SYSTEM	The System the product was used on
LPAR	The hardware LPAR name of the System
Month	The Month of Execution
Last Used	The date the product was last used
First Used	The first time the usage was found for this product
Events	How many events (load module executions) were record for the product for each machine
Users	The number of Unique users that executed the product for the selected period.
Job Names	The number of Unique Job Names that executed the product for the selected period.
Job Accounts	The number of Unique Job Account Codes that executed the product for the selected period.
SCRT MSU	The maximum SCRT MSU found for the product on the system. This data is imported from the SCRT product.

Links to drilldown reports

Product Use Trend report

Product Use by Machine MSU report

The Product Use by Machine MSU report provides a summary of product use and capacity for specified machines

Batch report query

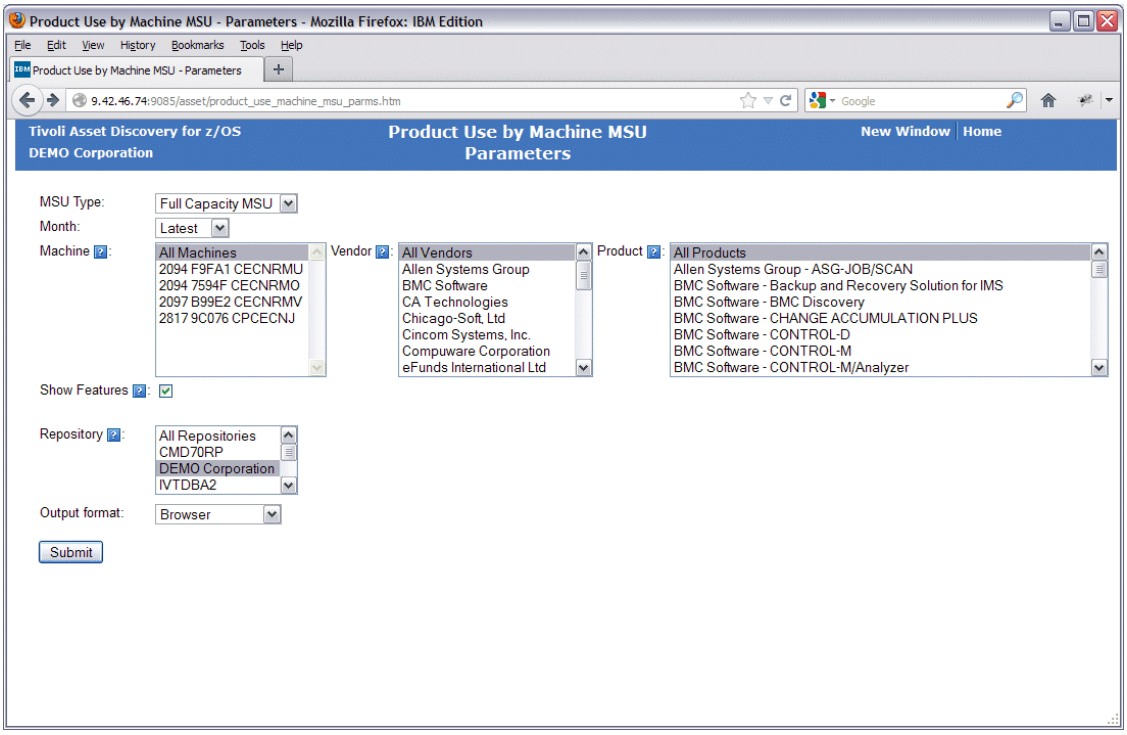
/asset/product_use_machine_msu
metric = <*metric*>
month = *YYYY-MM*
machine = <*machine*>
vendor = <*vendor*>
product = <*product*>
showfeature = *off*
repository = *&REPZSCHM*

Input Parameters:

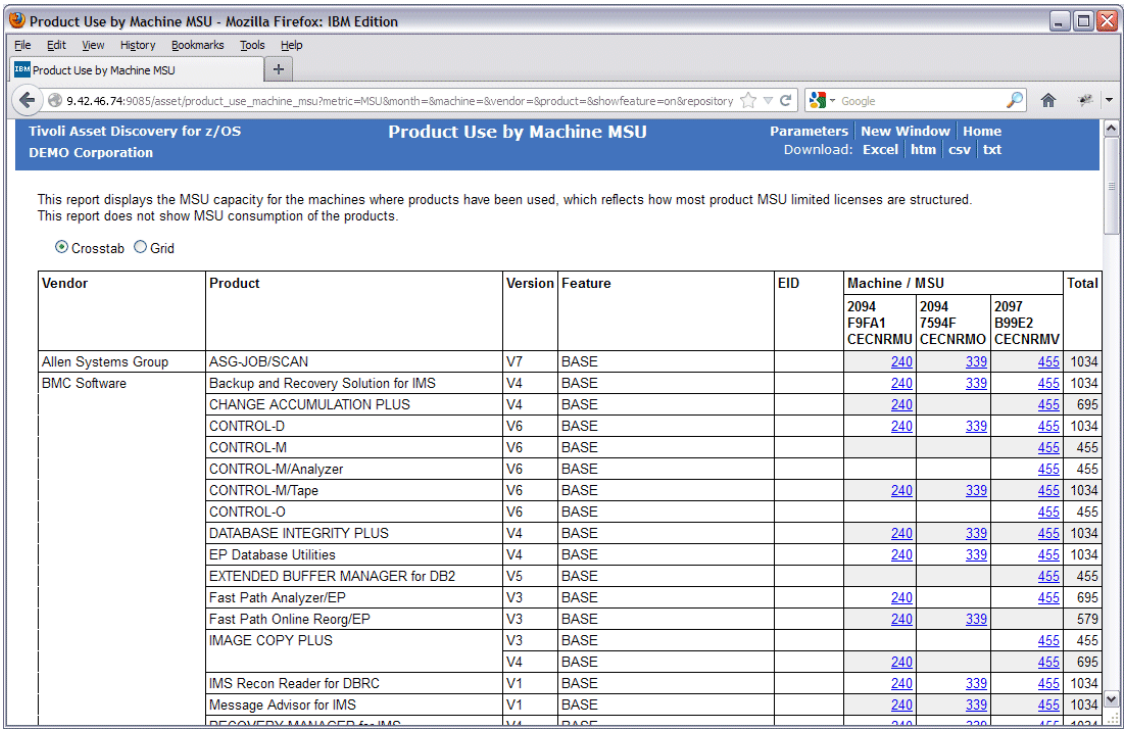
Online parameter	Batch mode parameter	Optional	Description
MSU Type	metric = <*metric*>	No	Metric parameter options are: • MSU: Show full capacity MSU. • SUBCAPMSU: Show subcapacity MSU.
Month	month = *YYYY-MM*	Yes	Show data for specified month
Machine	machine = <*machine*> To select multiple machines, repeat the line for each additional machine.	Yes	In batch mode, if you do not specify a machine, all machines are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.

Online parameter	Batch mode parameter	Optional	Description
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



Sample Output Full Capacity MSU Metric:



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Product Use by Machine MSU

9.42.46.74:9085/asset/product_use_machine_msu?metric=MSU&month=&machine=&vendor=&product=&showfeature=on&repository

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Product Use by Machine MSU

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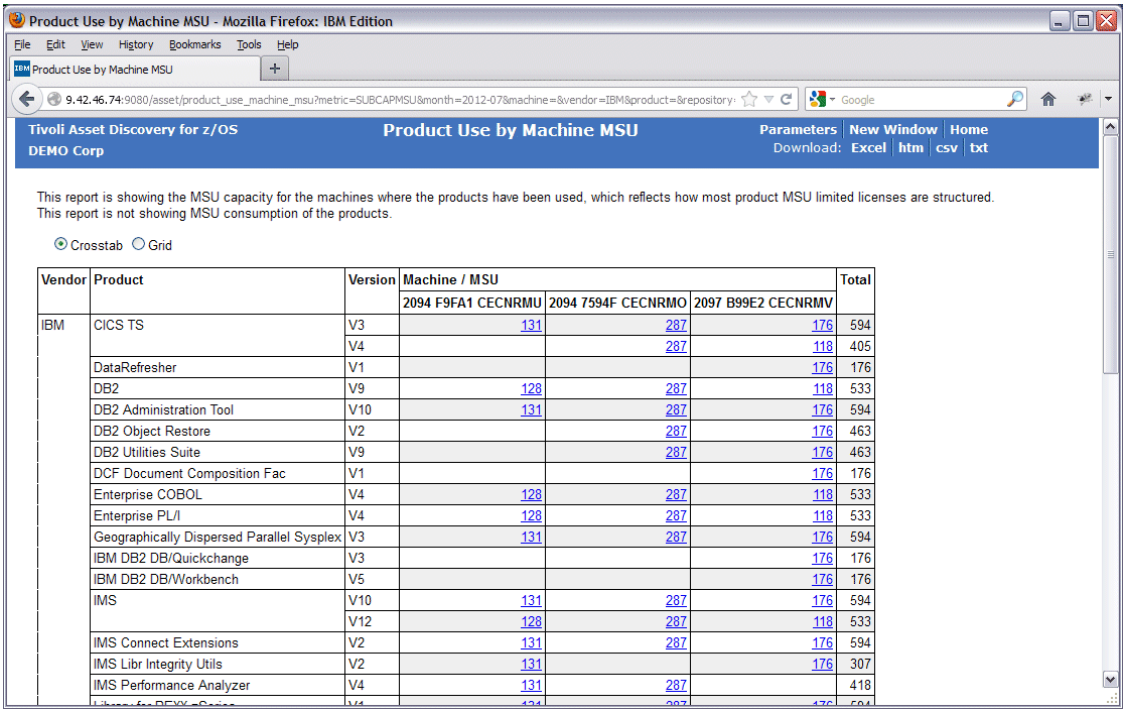
This report displays the MSU capacity for the machines where products have been used, which reflects how most product MSU limited licenses are structured.
This report does not show MSU consumption of the products.

Crosstab Grid

Vendor	Product	Version	Feature	EID	Machine / MSU			Total
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	
Allen Systems Group	ASG-JOB/SCAN	V7	BASE		240	339	455	1034
BMC Software	Backup and Recovery Solution for IMS	V4	BASE		240	339	455	1034
	CHANGE ACCUMULATION PLUS	V4	BASE		240		455	695
	CONTROL-D	V6	BASE		240	339	455	1034
	CONTROL-M	V6	BASE				455	455
	CONTROL-M/Analyzer	V6	BASE				455	455
	CONTROL-M/Tape	V6	BASE		240	339	455	1034
	CONTROL-O	V6	BASE				455	455
	DATABASE INTEGRITY PLUS	V4	BASE		240	339	455	1034
	EP Database Utilities	V4	BASE		240	339	455	1034
	EXTENDED BUFFER MANAGER for DB2	V5	BASE				455	455
	Fast Path Analyzer/EP	V3	BASE		240		455	695
	Fast Path Online Reorg/EP	V3	BASE		240	339		579
	IMAGE COPY PLUS	V3	BASE				455	455
		V4	BASE		240		455	695
	IMS Recon Reader for DBRC	V1	BASE		240	339	455	1034
	Message Advisor for IMS	V1	BASE		240	339	455	1034

This report shows the Full Capacity for each machine selected. This is not a consumption figure but the Full capacity of the machine. Clicking on the MSU figure will take you to the Product Use Trend report.

Sample Output Sub Capacity MSU Metric:



Vendor	Product	Version	Machine / MSU			Total
			2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV	
IBM	CICS TS	V3	131	287	176	594
		V4		287	118	405
	DataRefresher	V1			176	176
	DB2	V9	128	287	118	533
	DB2 Administration Tool	V10	131	287	176	594
	DB2 Object Restore	V2		287	176	463
	DB2 Utilities Suite	V9		287	176	463
	DCF Document Composition Fac	V1			176	176
	Enterprise COBOL	V4	128	287	118	533
	Enterprise PL/I	V4	128	287	118	533
	Geographically Dispersed Parallel Sysplex	V3	131	287	176	594
	IBM DB2 DB/Quickchange	V3			176	176
	IBM DB2 DB/Workbench	V5			176	176
	IMS	V10	131	287	176	594
		V12	128	287	118	533
	IMS Connect Extensions	V2	131	287	176	594
	IMS Libr Integrity Utils	V2	131		176	307
	IMS Performance Analyzer	V4	131	287		418

This report shows the Sub Capacity for each machine selected. This is not a consumption figure but the SCRT MSU value collected by SCRT of the machine. Clicking on the MSU figure will take you to the Product Use Trend report.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	Name of the Product
Version	The version of the product
Feature	The feature of the product
EID	IBM Entitlement ID
Machine	The Machine the product executed
MSU	The MSU value for the Machine
Total	The Total MSU's for all machines that the product runs on

Links to drilldown reports

Product Use Trend report

Product Use by Machine MSU and IBM Value Units report

The Product Use by Machine MSU and IBM Value Units report provides a summary of product use, capacity, and value units for specified machines

Batch report query

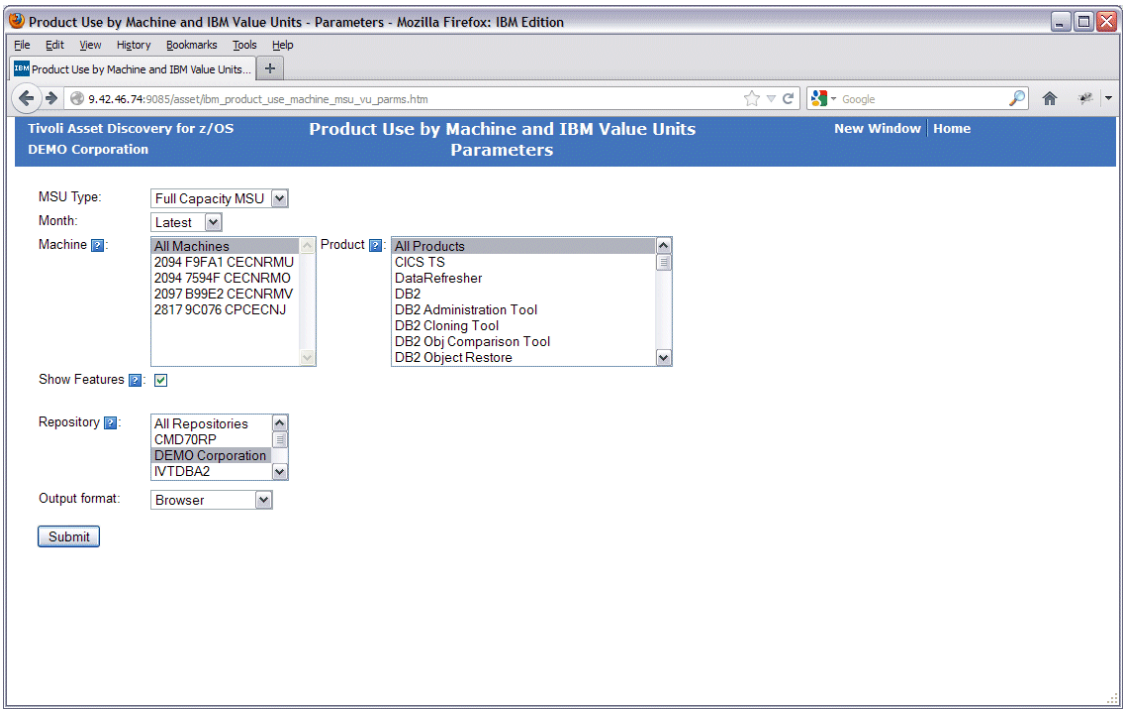
/asset/ibm_product_use_machine_msu_vu
metric = <*metric*>
month = *YYYY-MM*
machine = <*machine*>
product = <*product*>
showfeature = *off*
repository = *&REPZSCHM*

Input Parameters:

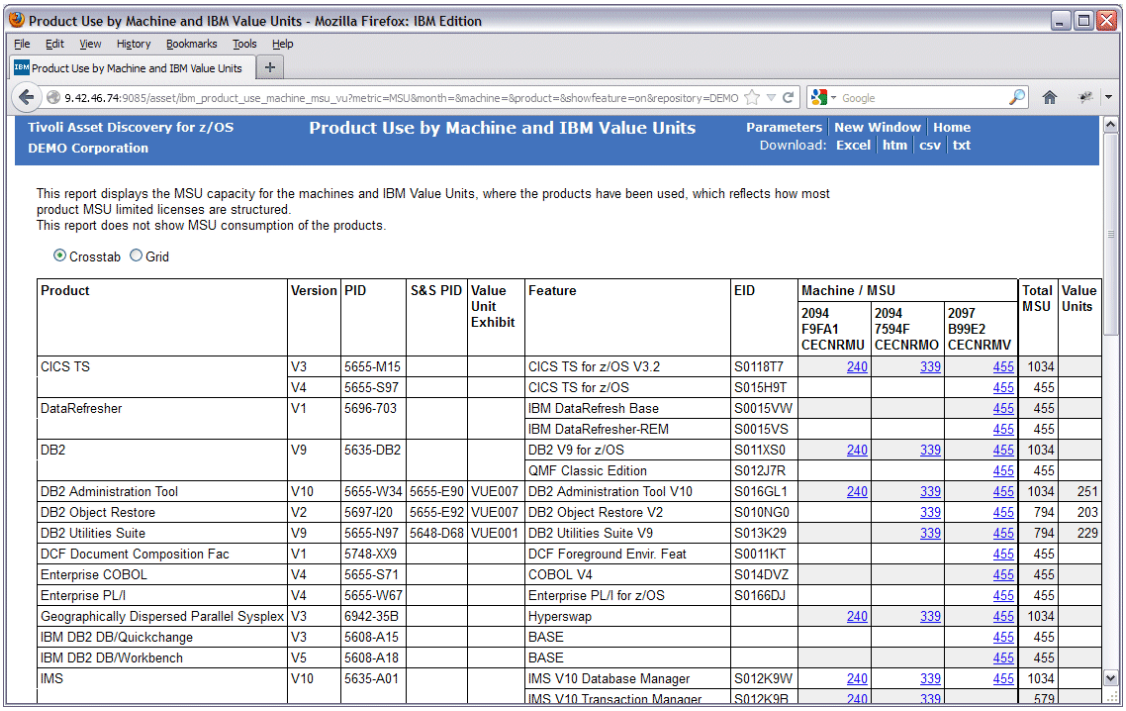
Online parameter	Batch mode parameter	Optional	Description
MSU Type	metric = <*metric*>	No	Metric parameter options are: • MSU: Show full capacity MSU. • SUBCAPMSU: Show subcapacity MSU.
Month	month = *YYYY-MM*	Yes	Show data for specified month
Machine	machine = <*machine*> To select multiple machines, repeat the line for each additional machine.	Yes	In batch mode, if you do not specify a machine, all machines are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only

Online parameter	Batch mode parameter	Optional	Description
			the first repository is included in the report.

Sample Parameters:



Sample Output Full Capacity MSU Metric:



Product Use by Machine and IBM Value Units - Mozilla Firefox: IBM Edition

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Product Use by Machine and IBM Value Units

9.42.46.74:9085/asset/ibm_product_use_machine_msu_vu?metric=MSU&month=&machine=&product=&showfeature=on&repository=DEMO

Tivoli Asset Discovery for z/OS
DEMO Corporation

Product Use by Machine and IBM Value Units

Parameters | New Window | Home
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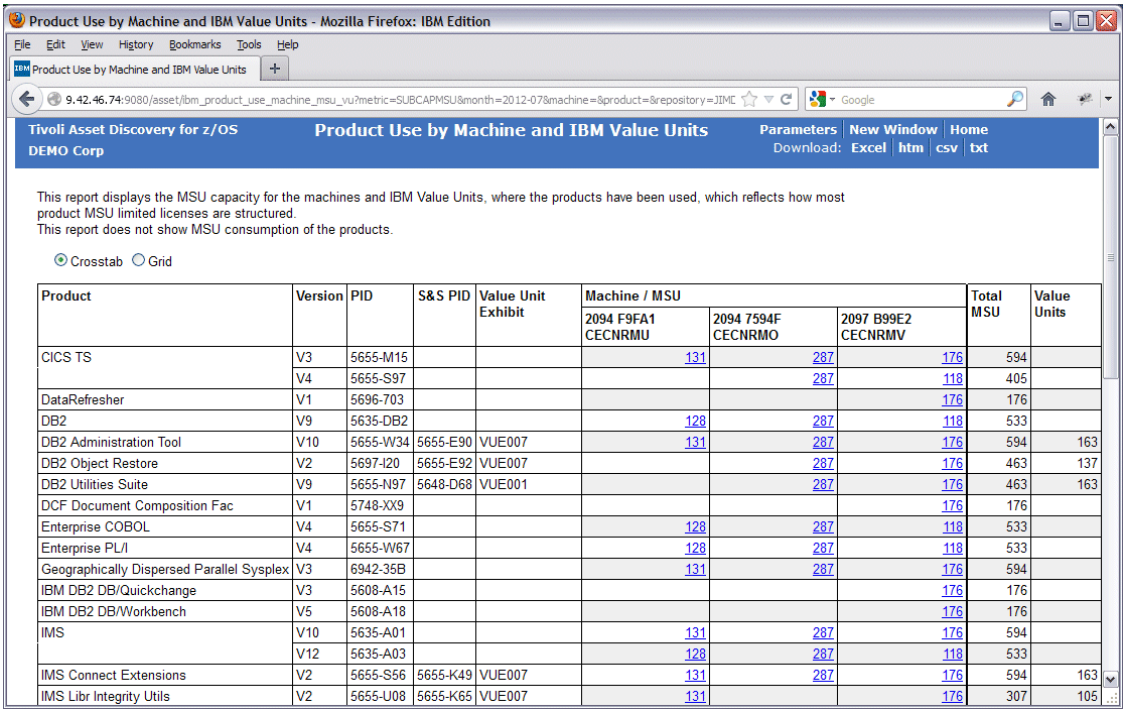
This report displays the MSU capacity for the machines and IBM Value Units, where the products have been used, which reflects how most product MSU limited licenses are structured.
This report does not show MSU consumption of the products.

(•) Crosstab ( ) Grid

Product	Version	PID	S&S PID	Value Unit Exhibit	Feature	EID	Machine / MSU			Total MSU	Value Units
							2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV		
CICS TS	V3	5655-M15			CICS TS for z/OS V3.2	S0118T7	240	339	455	1034	
	V4	5655-S97			CICS TS for z/OS	S015H9T			455	455	
DataRefresher	V1	5696-703			IBM DataRefresh Base	S0015VW			455	455	
					IBM DataRefresher-REM	S0015VS			455	455	
DB2	V9	5635-DB2			DB2 V9 for z/OS	S011XS0	240	339	455	1034	
					QMF Classic Edition	S012J7R			455	455	
DB2 Administration Tool	V10	5655-W34	5655-E90	VUE007	DB2 Administration Tool V10	S016GL1	240	339	455	1034	251
DB2 Object Restore	V2	5697-I20	5655-E92	VUE007	DB2 Object Restore V2	S010NG0		339	455	794	203
DB2 Utilities Suite	V9	5655-N97	5648-D68	VUE001	DB2 Utilities Suite V9	S013K29		339	455	794	229
DCF Document Composition Fac	V1	5748-XX9			DCF Foreground Envir. Feat	S0011KT			455	455	
Enterprise COBOL	V4	5655-S71			COBOL V4	S014DVZ			455	455	
Enterprise PL/I	V4	5655-W67			Enterprise PL/I for z/OS	S0166DJ			455	455	
Geographically Dispersed Parallel Sysplex	V3	6942-35B			Hyperswap		240	339	455	1034	
IBM DB2 DB/Quickchange	V3	5608-A15			BASE				455	455	
IBM DB2 DB/Workbench	V5	5608-A18			BASE				455	455	
IMS	V10	5635-A01			IMS V10 Database Manager	S012K9W	240	339	455	1034	
					IMS V10 Transaction Manager	S012K9R	240	339		579	

This report shows the Full Capacity for each machine selected plus the Total MSU for the product across all machines. The Value Units field is then calculated based on the MSU value and the eligible VUE product. Clicking on the MSU figure will take you to the Product Use Trend report.

Sample Output Sub Capacity MSU Metric:



Product Use by Machine and IBM Value Units - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Product Use by Machine and IBM Value Units

Parameters | New Window | Home
Download: Excel | htm | csv | txt

This report displays the MSU capacity for the machines and IBM Value Units, where the products have been used, which reflects how most product MSU limited licenses are structured.
This report does not show MSU consumption of the products.

Crosstab Grid

Product	Version	PID	S&S PID	Value Unit Exhibit	Machine / MSU			Total MSU	Value Units
					2094 F9FA1 CECNRMU	2094 7594F CECNRMO	2097 B99E2 CECNRMV		
CICS TS	V3	5655-M15			131	287	176	594	
	V4	5655-S97				287	118	405	
DataRefresher	V1	5696-703					176	176	
DB2	V9	5635-DB2			128	287	118	533	
DB2 Administration Tool	V10	5655-W34	5655-E90	VUE007	131	287	176	594	163
DB2 Object Restore	V2	5697-I20	5655-E92	VUE007		287	176	463	137
DB2 Utilities Suite	V9	5655-N97	5648-D68	VUE001		287	176	463	163
DCF Document Composition Fac	V1	5748-XX9					176	176	
Enterprise COBOL	V4	5655-S71			128	287	118	533	
Enterprise PL/I	V4	5655-W67			128	287	118	533	
Geographically Dispersed Parallel Sysplex	V3	6942-35B			131	287	176	594	
IBM DB2 DB/Quickchange	V3	5608-A15					176	176	
IBM DB2 DB/Workbench	V5	5608-A18					176	176	
IMS	V10	5635-A01			131	287	176	594	
	V12	5635-A03			128	287	118	533	
IMS Connect Extensions	V2	5655-S56	5655-K49	VUE007	131	287	176	594	163
IMS Libr Integrity Utils	V2	5655-U08	5655-K65	VUE007	131		176	307	105

This report shows the Sub Capacity MSU for each machine selected plus the Total SCRT MSU for the product across all machines. The Value Units field is then calculated based on the SCRT MSU value and the eligible VUE product. Clicking on the SCRT MSU figure will take you to the Product Use Trend report.

Report columns

Column Name	Description
Product	Name of the Product
Version	The version of the product
PID	The PID for the product
S&S PID	The S&S PID for IBM products
Value Unit Exhibit	The VUE for the product
Feature	The feature of the product
EID	IBM Entitlement ID
Machine	The Machine the product executed
MSU	The MSU value for the Machine
Total MSU	The Total MSU's for all machines that the product runs on
Value Units	The total Value Units for the product

Links to drilldown reports

Product Use Trend report

Registered Products report

The Registered Products report provides a summary of registered products

Batch report query

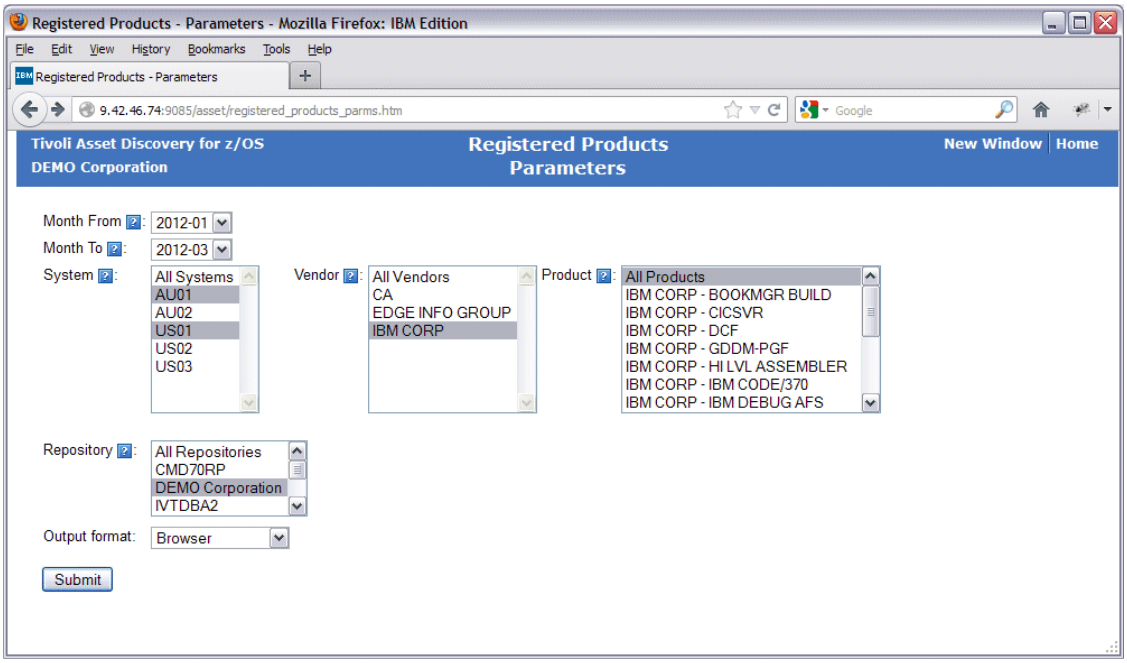
/asset/registered_products
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
product = <*product*>
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is

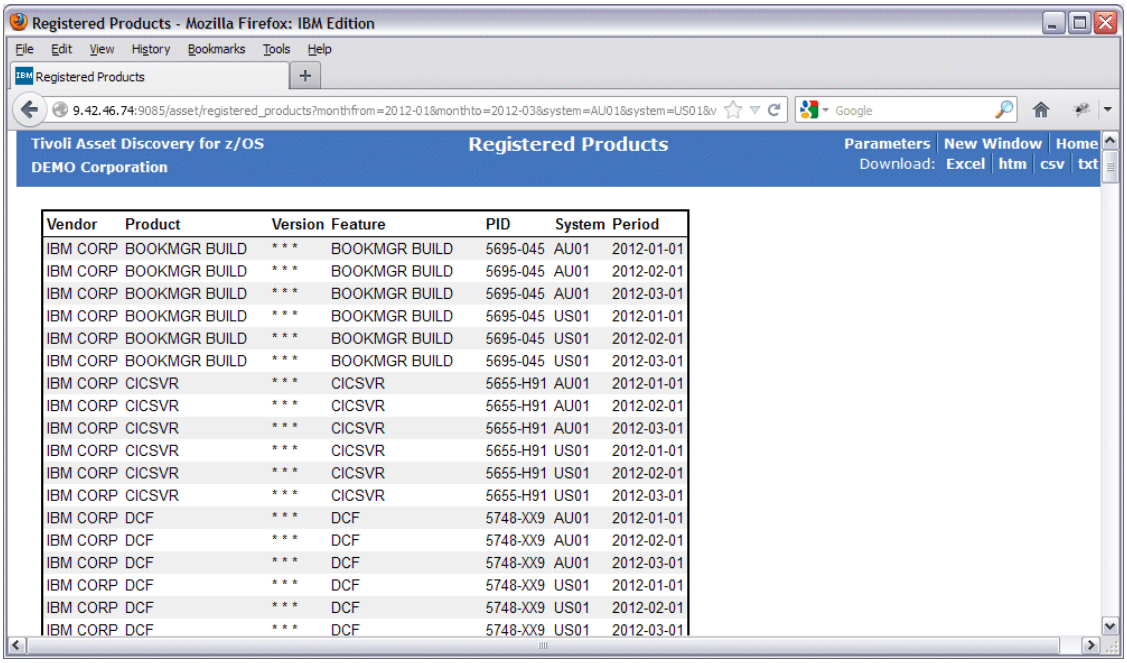
Online parameter	Batch mode parameter	Optional	Description
			included in the report.

Sample Parameters:



The Registered Products report will show products that have been enabled as being valid to run on the selected LPAR. Many products are installed on LPARs by vendors and disabled by codes. This is another way of seeing which products have been enabled….

Sample Output Registered Products:



Vendor	Product	Version	Feature	PID	System	Period
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	AU01	2012-01-01
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	AU01	2012-02-01
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	AU01	2012-03-01
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	US01	2012-01-01
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	US01	2012-02-01
IBM CORP	BOOKMGR BUILD	* * *	BOOKMGR BUILD	5695-045	US01	2012-03-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	AU01	2012-01-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	AU01	2012-02-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	AU01	2012-03-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	US01	2012-01-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	US01	2012-02-01
IBM CORP	CICSVR	* * *	CICSVR	5655-H91	US01	2012-03-01
IBM CORP	DCF	* * *	DCF	5748-XX9	AU01	2012-01-01
IBM CORP	DCF	* * *	DCF	5748-XX9	AU01	2012-02-01
IBM CORP	DCF	* * *	DCF	5748-XX9	AU01	2012-03-01
IBM CORP	DCF	* * *	DCF	5748-XX9	US01	2012-01-01
IBM CORP	DCF	* * *	DCF	5748-XX9	US01	2012-02-01
IBM CORP	DCF	* * *	DCF	5748-XX9	US01	2012-03-01

This report shows the products that have been enabled in Parmlib member IFAPRDxx and the period they were enabled.

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	The Product name
Version	The version of the product. This depends on if the data has been provided. Older products don't tend to have versions.
Feature	The feature of the product
PID	The PID of the product
System	The System the product is registered on
Period	The period for this Registration

Links to drilldown reports

None

Registered Products Usage report

The Registered Products Usage report provides a summary of usage of registered products. This report also shows usage for products where the Usage Monitor cannot collect usage in the normal manner. This usage is derived from SMF data hence no user information is available in the report. Usage for product WebSphere Application Server is collected this way.

Batch report query

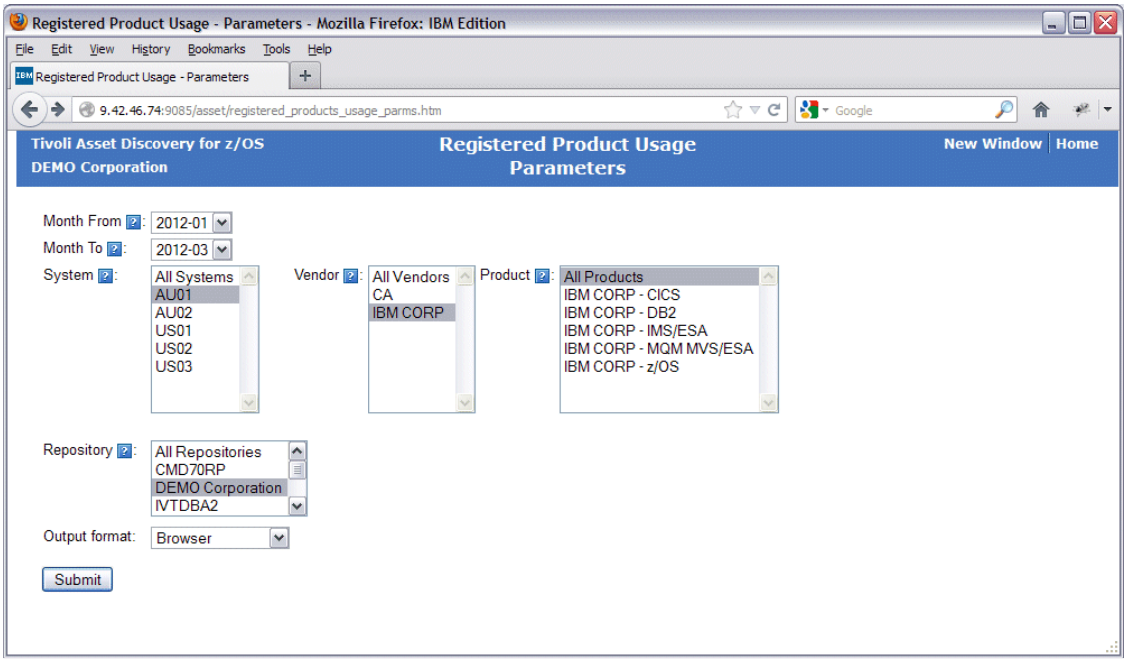
/asset/registered_products_usage
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
product = <*product*>
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*> To select multiple products, repeat the line for each additional product.	Yes	In batch mode, if you do not specify a product, all products are included in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query.

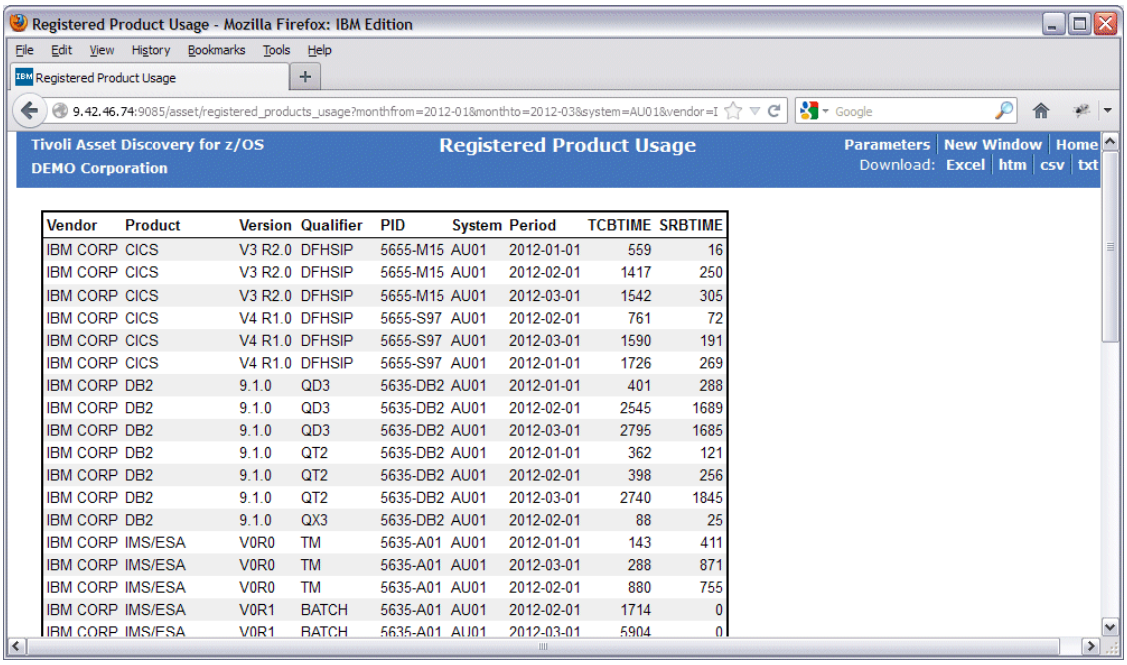
Online parameter	Batch mode parameter	Optional	Description
			In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This Registered Product usage report shows the usage for the Registered Products. You can select a date range to view.

Sample Output Registered Product Usage:



Vendor	Product	Version	Qualifier	PID	System	Period	TCBTIME	SRBTIME
IBM CORP	CICS	V3 R2.0	DFHSIP	5655-M15	AU01	2012-01-01	559	16
IBM CORP	CICS	V3 R2.0	DFHSIP	5655-M15	AU01	2012-02-01	1417	250
IBM CORP	CICS	V3 R2.0	DFHSIP	5655-M15	AU01	2012-03-01	1542	305
IBM CORP	CICS	V4 R1.0	DFHSIP	5655-S97	AU01	2012-02-01	761	72
IBM CORP	CICS	V4 R1.0	DFHSIP	5655-S97	AU01	2012-03-01	1590	191
IBM CORP	CICS	V4 R1.0	DFHSIP	5655-S97	AU01	2012-01-01	1726	269
IBM CORP	DB2	9.1.0	QD3	5635-DB2	AU01	2012-01-01	401	288
IBM CORP	DB2	9.1.0	QD3	5635-DB2	AU01	2012-02-01	2545	1689
IBM CORP	DB2	9.1.0	QD3	5635-DB2	AU01	2012-03-01	2795	1685
IBM CORP	DB2	9.1.0	QT2	5635-DB2	AU01	2012-01-01	362	121
IBM CORP	DB2	9.1.0	QT2	5635-DB2	AU01	2012-02-01	398	256
IBM CORP	DB2	9.1.0	QT2	5635-DB2	AU01	2012-03-01	2740	1845
IBM CORP	DB2	9.1.0	QX3	5635-DB2	AU01	2012-02-01	88	25
IBM CORP	IMS/ESA	V0R0	TM	5635-A01	AU01	2012-01-01	143	411
IBM CORP	IMS/ESA	V0R0	TM	5635-A01	AU01	2012-03-01	288	871
IBM CORP	IMS/ESA	V0R0	TM	5635-A01	AU01	2012-02-01	880	755
IBM CORP	IMS/ESA	V0R1	BATCH	5635-A01	AU01	2012-02-01	1714	0
IBM CORP	IMS/ESA	V0R1	BATCH	5635-A01	AU01	2012-03-01	5904	0

Report columns

Column Name	Description
Vendor	Name of the Vendor
Product	The Product name
Version	The version of the product. This depends on if the data has been provided. Older products don't tend to have versions.
Qualifier	Product registration qualifier
PID	The PID of the product
System	The System the product is registered on
Period	The period for this Registration
TCBTIME	Task CPU time
SRBTIME	Service Request Block CPU time

Links to drilldown reports

None

Search User Ids report

The Search User Ids report provides a summary of information associated with user IDs for a repository

Batch report query

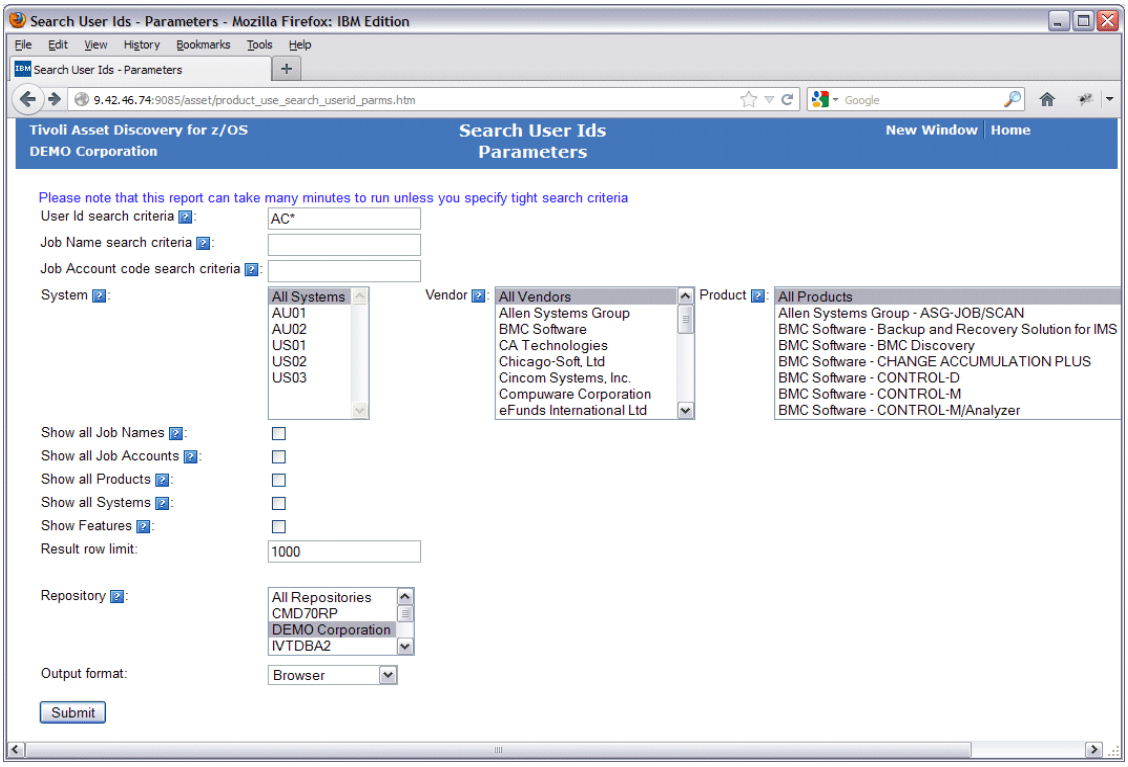
/asset/product_use_search_userid
userid = <*userid*>
jobname = <*jobname*>
jobacc = <*jobacc*>
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showalljobname = *off*
showalljobacc = *off*
showallprod = *off*
showallsys = *off*
showfeature = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
User Id search criteria	userid = <*userid*>	Yes	User id to search
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account code to search
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*>	Yes	In batch mode, if you do not specify a product, all

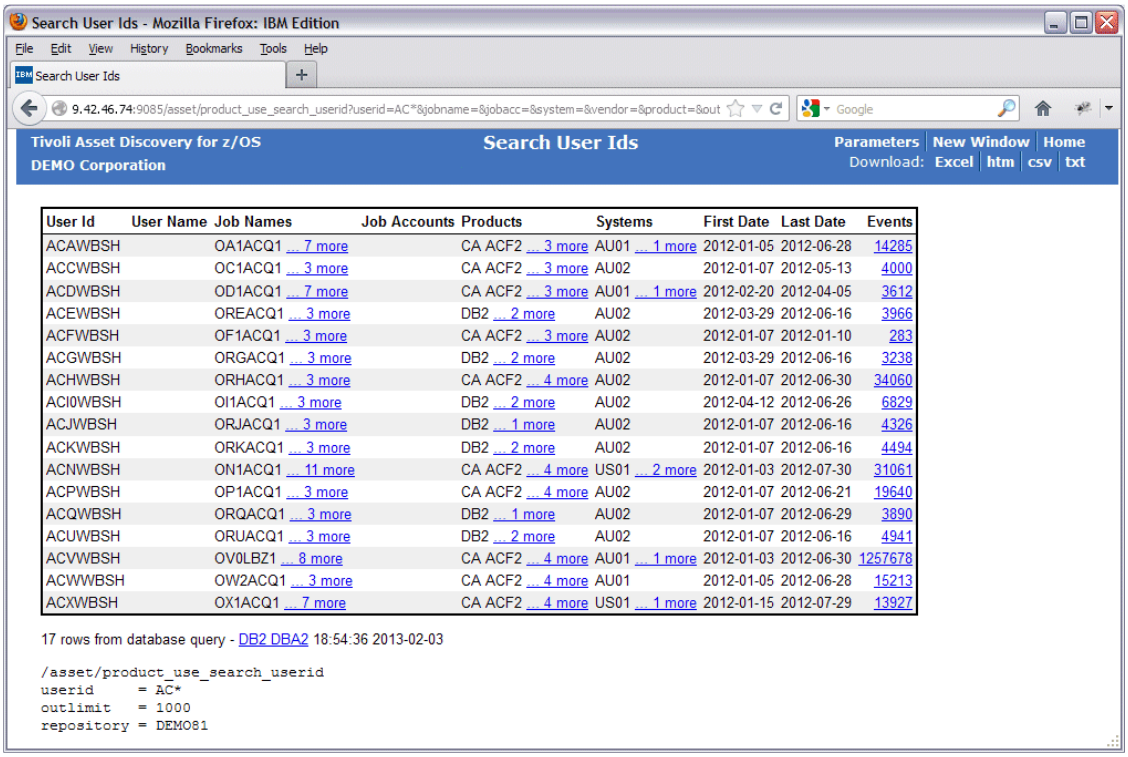
Online parameter	Batch mode parameter	Optional	Description
	To select multiple products, repeat the line for each additional product.		products are included in the report.
Show all Job Names	showalljobname = *on/off*	Yes	Show all job names in the report.
Show all Job Accounts	showalljobacc = *on/off*	Yes	Show all job account codes in the report.
Show all Products	showallprod = *on/off*	Yes	Show all products in the report.
Show all Systems	showallsys = *on/off*	Yes	Show all systems in the report.
Show Features	showfeature = *on/off*	Yes	Show all features in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



When entering search criteria, you can enter a fully qualified Userid or if it's a partial one it must be suffixed by an * in order for the SQL to work correctly. To see all Userids enter **. This report is handy when trying to find out which products a user used.

Sample Output Search User Ids:



In order to fit the screen shot none of the selections were expanded. To see all Products for example you can check the Show all Products checkbox in the parameters screen.

Report columns

Column Name	Description
Userid	The TSO id of the User
User Name	If collected this will show the real users name
Job Name	The Job Names this user ran. If there are more than one then you can drill down to see them all.
Job Accounts	The Job Account codes that this user used
Product	The name of the Product. If there are more than one then you can drill down to see them all.
System	The Systems the product was executed on
First Date	The First Date the product was executed
Last Date	The Last Date the product was executed
Events	How many events (load module executions) were record against the product

Links to drilldown reports

- Job Names that have used the product

- Job Accounts: Job Accounts that have used the product
- Products: Search user IDs to show all products
- Systems: Search user IDs to show all systems
- Events: Module usage details

Search Job Names report

The Search Job Names report provides a summary of job names associated with a repository

Batch report query

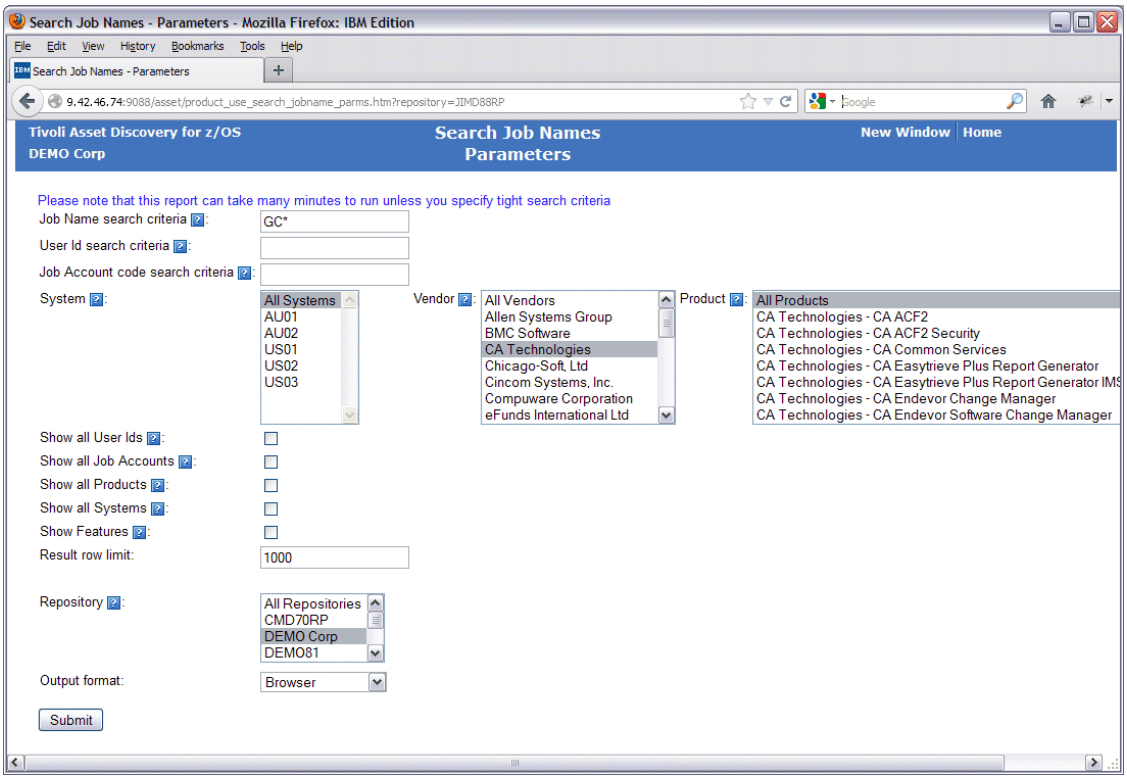
/asset/product_use_search_jobname
jobname = <*jobname*>
userid = <*userid*>
jobacc = <*jobacc*>
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showalluserid = *off*
showalljobacc = *off*
showallprod = *off*
showallsys = *off*
showfeature = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
User Id search criteria	userid = <*userid*>	Yes	User id to search
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account code to search
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*>	Yes	In batch mode, if you do not specify a product, all

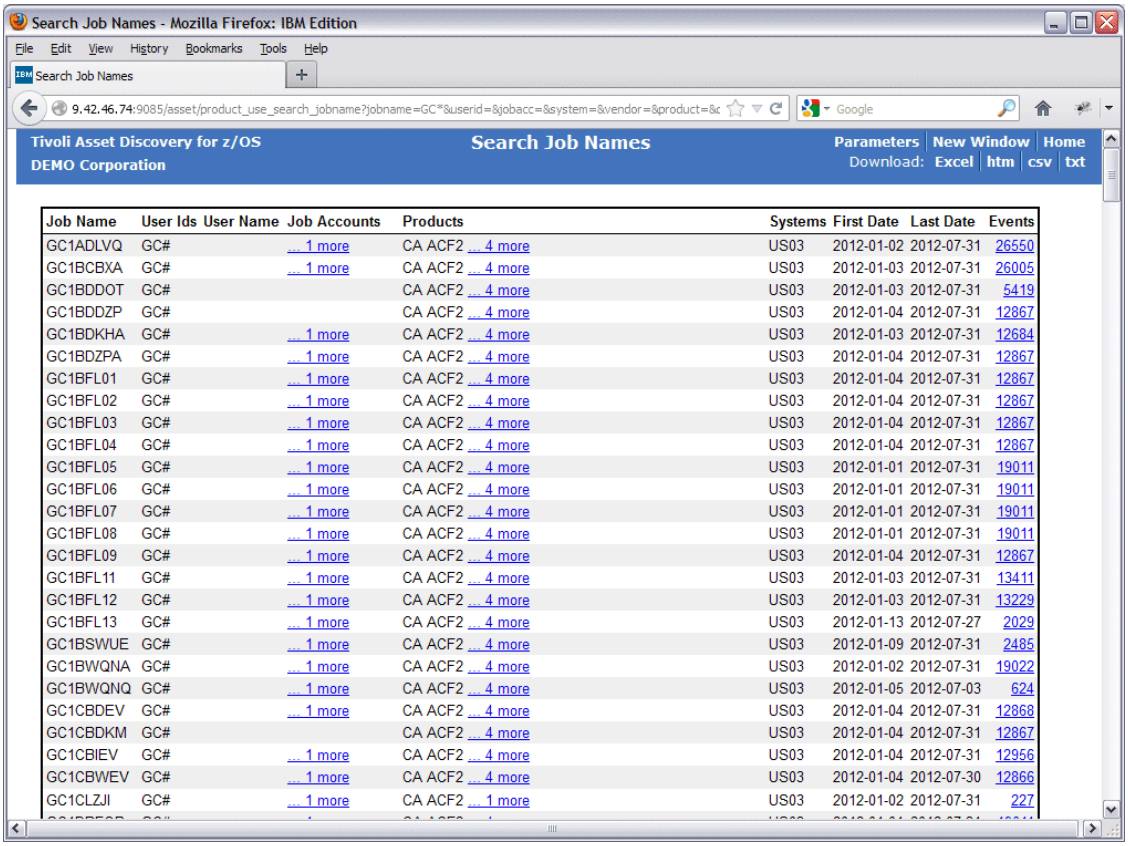
Online parameter	Batch mode parameter	Optional	Description
	To select multiple products, repeat the line for each additional product.		products are included in the report.
Show all User Ids	showalluserid = *on/off*	Yes	Show all User Ids in the report.
Show all Job Accounts	showalljobacc = *on/off*	Yes	Show all job account codes in the report.
Show all Products	showallprod = *on/off*	Yes	Show all products in the report.
Show all Systems	showallsys = *on/off*	Yes	Show all systems in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



When entering search criteria, you can enter a fully qualified Job Name or if it's a partial one it must be suffixed by an * in order for the SQL to work correctly. To see all Job Names enter **. This report is handy when trying to find out which products a Job ran against.

Sample Output Search Job Names:



Job Name	User Ids	User Name	Job Accounts	Products	Systems	First Date	Last Date	Events
GC1ADLVQ	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-02	2012-07-31	26550
GC1BCBXA	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-03	2012-07-31	26005
GC1BDDOT	GC#			CA ACF2 ... 4 more	US03	2012-01-03	2012-07-31	5419
GC1BDDZP	GC#			CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BDKHA	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-03	2012-07-31	12684
GC1BDZPA	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL01	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL02	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL03	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL04	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL05	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-01	2012-07-31	19011
GC1BFL06	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-01	2012-07-31	19011
GC1BFL07	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-01	2012-07-31	19011
GC1BFL08	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-01	2012-07-31	19011
GC1BFL09	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1BFL11	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-03	2012-07-31	13411
GC1BFL12	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-03	2012-07-31	13229
GC1BFL13	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-13	2012-07-27	2029
GC1BSWUE	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-09	2012-07-31	2485
GC1BWQNA	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-02	2012-07-31	19022
GC1BWQNQ	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-05	2012-07-03	624
GC1CBDEV	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12868
GC1CBDKM	GC#			CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12867
GC1CBIEV	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-31	12956
GC1CBWEV	GC#		... 1 more	CA ACF2 ... 4 more	US03	2012-01-04	2012-07-30	12866
GC1CLZJI	GC#		... 1 more	CA ACF2 ... 1 more	US03	2012-01-02	2012-07-31	227

Report columns

Column Name	Description
Job Name	The jobnames based on the search criteria
Userid	The TSO id of the User
User Name	If collected this will show the real users name
Job Accounts	The Job account ID.
Products	The Product the jobname executed. If there are more than one then you can drill down to see them all.
System	The System the product is registered on
First Date	The First Date the Product was used
Last Date	The Last Date the Product was used
Events	How many events (load module executions) were record against the product

Links to drilldown reports

- User ID: Search Users
- Job Accounts: The Job Account codes used by this Job Name
- Products: Search Job Names to show all products

- Systems: Search Job Names to show all systems
- Events: Module usage details

Search Job Account Codes report

The Search Job Account Codes report provides a summary of job account codes associated with a repository

Batch report query

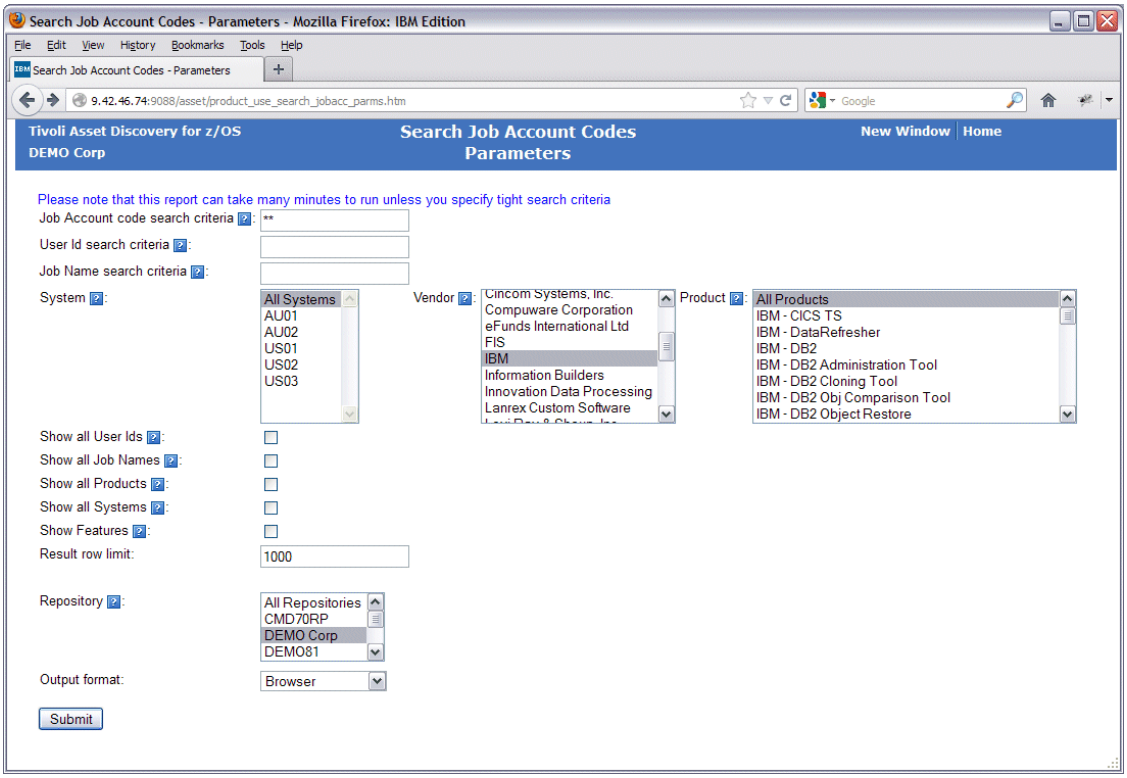
/asset/product_use_search_jobacc
jobacc = <*jobacc*>
userid = <*userid*>
jobname = <*jobname*>
system = <*system*>
vendor = <*vendor*>
product = <*product*>
showalluserid = *off*
showalljobname = *off*
showallprod = *off*
showallsys = *off*
showfeature = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account to search
User Id search criteria	userid = <*userid*>	Yes	User Id to search
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product	product = <*product*>	Yes	In batch mode, if you do not specify a product, all

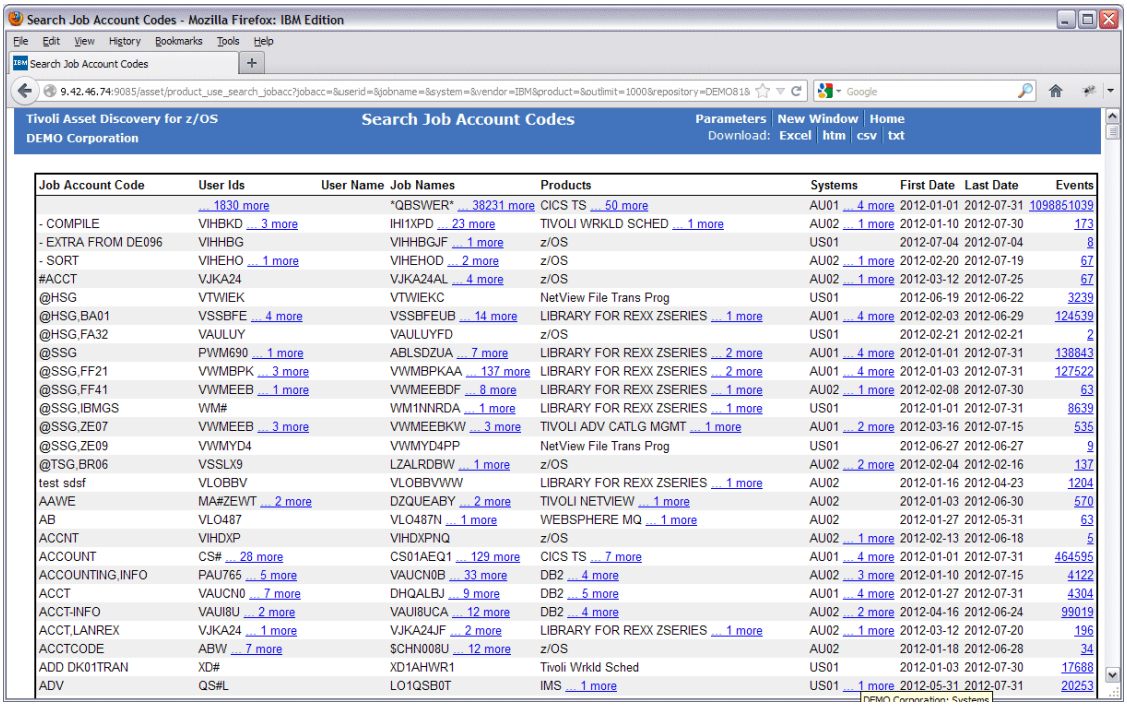
Online parameter	Batch mode parameter	Optional	Description
	To select multiple products, repeat the line for each additional product.		products are included in the report.
Show all User Ids	showalluserid = *on/off*	Yes	Show all user Ids in the report.
Show all Job Names	showalljobname = *on/off*	Yes	Show all job names in the report.
Show all Products	showallprod = *on/off*	Yes	Show all products in the report.
Show all Systems	showallsys = *on/off*	Yes	Show all systems in the report.
Show Features	showfeature = *on/off*	Yes	Lists the features of the product, if any.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



When entering search criteria, you can enter a fully qualified Job Account code or if it's a partial one, it must be suffixed by an * in order for the SQL to work correctly. To see all Job Account codes enter **. This report is handy when trying to find out which Accounts codes a user used.

Sample Output Search Job Account Codes:



Job Account Code	User Ids	User Name	Job Names	Products	Systems	First Date	Last Date	Events
	... 1830 more		*QBSWER* ... 38231 more	CICS TS ... 50 more	AU01 ... 4 more	2012-01-01	2012-07-31	1098851039
- COMPILE	VIHBKD ... 3 more		IHI1XPD ... 23 more	TIVOLI WRKLD SCHED ... 1 more	AU02 ... 1 more	2012-01-10	2012-07-30	173
- EXTRA FROM DE096	VIHHBG		VIHHBGJF ... 1 more	z/OS	US01	2012-07-04	2012-07-04	8
- SORT	VIHEHO ... 1 more		VIHEHOD ... 2 more	z/OS	AU02 ... 1 more	2012-02-20	2012-07-19	67
#ACCT	VJKA24		VJKA24AL ... 4 more	z/OS	AU02 ... 1 more	2012-03-12	2012-07-25	67
@HSG	VTWIEK		VTWIEKC	NetView File Trans Prog	US01	2012-06-19	2012-06-22	3239
@HSG,BA01	VSSBFE ... 4 more		VSSBFEUB ... 14 more	LIBRARY FOR REXX ZSERIES ... 1 more	AU01 ... 4 more	2012-02-03	2012-06-29	124539
@HSG,FA32	VAULUY		VAULUYFD	z/OS	US01	2012-02-21	2012-02-21	2
@SSG	PWM690 ... 1 more		ABLSDZUA ... 7 more	LIBRARY FOR REXX ZSERIES ... 2 more	AU01 ... 4 more	2012-01-01	2012-07-31	138843
@SSG,FF21	VWMBPK ... 3 more		VWMBPKAA ... 137 more	LIBRARY FOR REXX ZSERIES ... 2 more	AU01 ... 4 more	2012-01-03	2012-07-31	127522
@SSG,FF41	VWMEEB ... 1 more		VWMEEBDF ... 8 more	LIBRARY FOR REXX ZSERIES ... 1 more	AU02 ... 1 more	2012-02-08	2012-07-30	63
@SSG,IBMGS	WM#		WM1NNRDA ... 1 more	LIBRARY FOR REXX ZSERIES ... 1 more	US01	2012-01-01	2012-07-31	8639
@SSG,ZE07	VWMEEB ... 3 more		VWMEEBKW ... 3 more	TIVOLI ADV CATLG MGMT ... 1 more	AU01 ... 2 more	2012-03-16	2012-07-15	535
@SSG,ZE09	VWMYD4		VWMYD4PP	NetView File Trans Prog	US01	2012-06-27	2012-06-27	9
@TSG,BR06	VSSLX9		LZALRDBW ... 1 more	z/OS	AU02 ... 2 more	2012-02-04	2012-02-16	137
test sdsf	VLOBBV		VLOBBVWW	LIBRARY FOR REXX ZSERIES ... 1 more	AU02	2012-01-16	2012-04-23	1204
AAWE	MA#ZEWT ... 2 more		DZQUEABY ... 2 more	TIVOLI NETVIEW ... 1 more	AU02	2012-01-03	2012-06-30	570
AB	VLO487		VLO487N ... 1 more	WEBSPHERE MQ ... 1 more	AU02	2012-01-27	2012-05-31	63
ACCNT	VIHDXP		VIHDXPNQ	z/OS	AU02 ... 1 more	2012-02-13	2012-06-18	5
ACCOUNT	CS# ... 28 more		CS01AEQ1 ... 129 more	CICS TS ... 7 more	AU01 ... 4 more	2012-01-01	2012-07-31	464595
ACCOUNTING,INFO	PAU765 ... 5 more		VAUCN0B ... 33 more	DB2 ... 4 more	AU02 ... 3 more	2012-01-10	2012-07-15	4122
ACCT	VAUCN0 ... 7 more		DHQALBJ ... 9 more	DB2 ... 5 more	AU01 ... 4 more	2012-01-27	2012-07-31	4304
ACCT-INFO	VAUI8U ... 2 more		VAUI8UCA ... 12 more	DB2 ... 4 more	AU02 ... 2 more	2012-04-16	2012-06-24	99019
ACCT,LANREX	VJKA24 ... 1 more		VJKA24JF ... 2 more	LIBRARY FOR REXX ZSERIES ... 1 more	AU02 ... 1 more	2012-03-12	2012-07-20	196
ACCTCODE	ABW ... 7 more		$CHN008U ... 12 more	z/OS	AU02	2012-01-18	2012-06-28	34
ADD DK01TRAN	XD#		XD1AHWR1	Tivoli Wrkld Sched	US01	2012-01-03	2012-07-30	17688
ADV	QS#L		LO1QSB0T	IMS ... 1 more	US01 ... 1 more	2012-05-31	2012-07-31	20253

Report columns

Column Name	Description
Job Account Code	The Job account ID.
Userid	The TSO id of the User. If there are more than one then you can drill down to see them all.
User Name	If collected this will show the real users name
Job Names	The Jobnames. If there are more than one then you can drill down to see them all.
Products	The Product the jobname executed. If there are more than one then you can drill down to see them all.
System	The System the product is registered on
First Date	The First Date the Product was used
Last Date	The Last Date the Product was used
Events	How many events (load module executions) were record against the product

Links to drilldown reports

- User IDs: The User Ids that used these Job Account codes
- Products: Product Inventory
- Systems: Product by System
- Events: Module usage details
- Job Names: Search Job Names

Storage System Hardware report

The Storage Subsystem Hardware report provides a summary of hardware on a storage subsystem

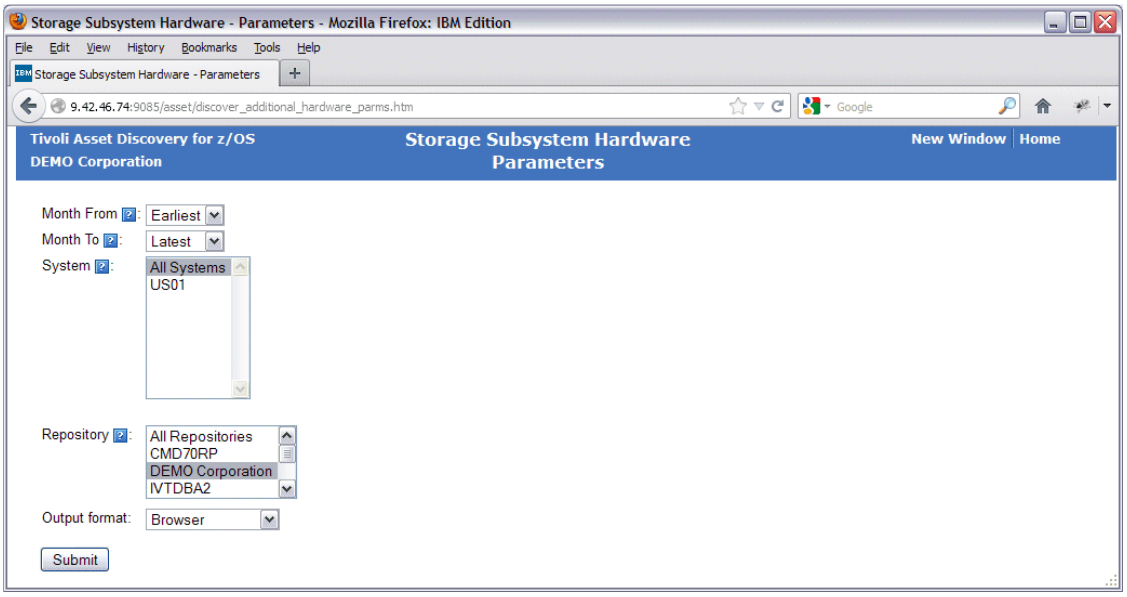
Batch report query

/asset/discover_additional_hardware
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
repository = *&REPZSCHM*

Input Parameters:

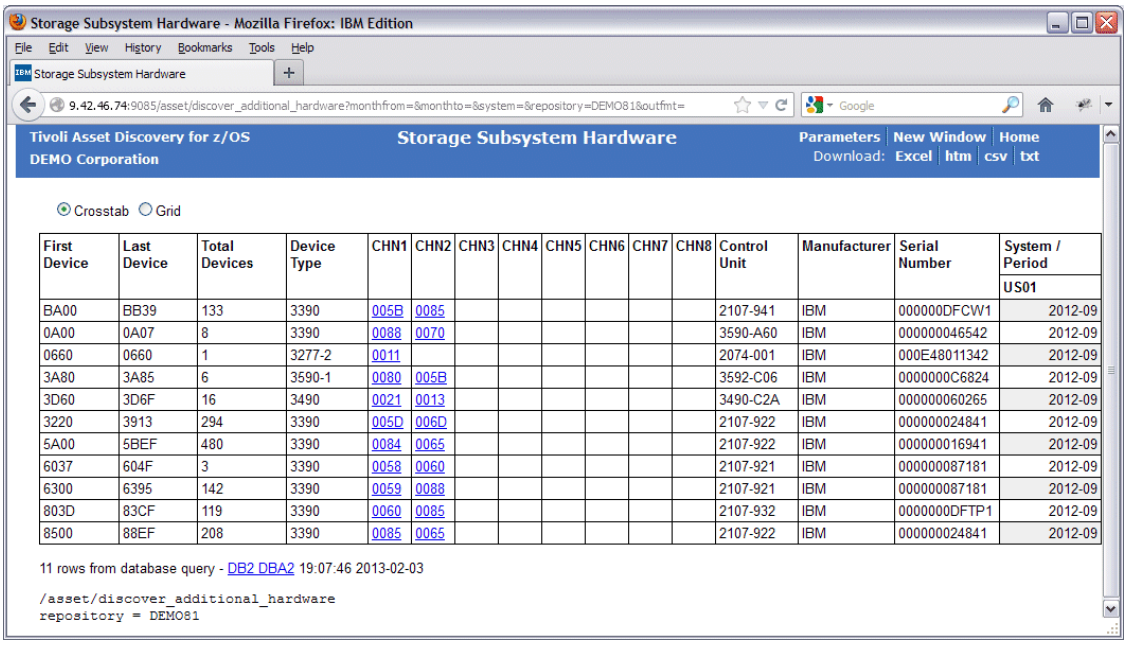
Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Repository	repository = *&REPZSCHM*	No	Repository to query

Sample Parameters:



This report relies on the new IQ command SCANDEV. If this was used in an IQ scan run then any devices online to the LPAR the job ran on will be collected. Remember that the data shown is a snapshot in time. You can of course select a date range to view different scan dates.

Sample Output Storage Subsystem Hardware:

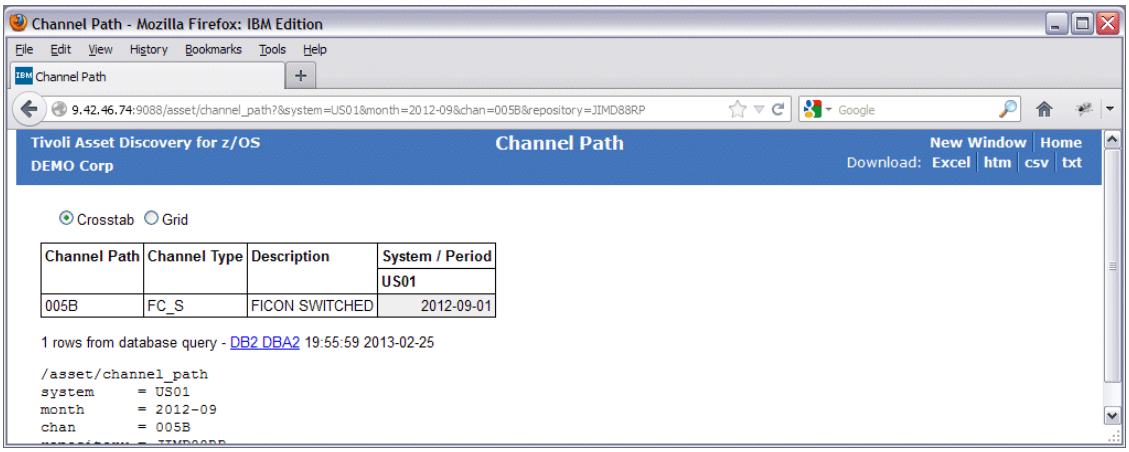


First Device	Last Device	Total Devices	Device Type	CHN1	CHN2	CHN3	CHN4	CHN5	CHN6	CHN7	CHN8	Control Unit	Manufacturer	Serial Number	System / Period
															US01
BA00	BB39	133	3390	005B	0085							2107-941	IBM	000000DFCW1	2012-09
0A00	0A07	8	3390	0088	0070							3590-A60	IBM	000000046542	2012-09
0660	0660	1	3277-2	0011								2074-001	IBM	000E48011342	2012-09
3A80	3A85	6	3590-1	0080	005B							3592-C06	IBM	0000000C6824	2012-09
3D60	3D6F	16	3490	0021	0013							3490-C2A	IBM	000000060265	2012-09
3220	3913	294	3390	005D	006D							2107-922	IBM	000000024841	2012-09
5A00	5BEF	480	3390	0084	0065							2107-922	IBM	000000016941	2012-09
6037	604F	3	3390	0058	0060							2107-921	IBM	000000087181	2012-09
6300	6395	142	3390	0059	0088							2107-921	IBM	000000087181	2012-09
803D	83CF	119	3390	0060	0085							2107-932	IBM	0000000DFTP1	2012-09
8500	88EF	208	3390	0085	0065							2107-922	IBM	000000024841	2012-09

11 rows from database query - DB2 DBA2 19:07:46 2013-02-03

```
/asset/discover_additional_hardware
repository = DEMO81
```

The output above shows summary data for each Control Unit. Eg how many devices are attached, how many channels etc. You can drill down to see the channel information.



Report columns

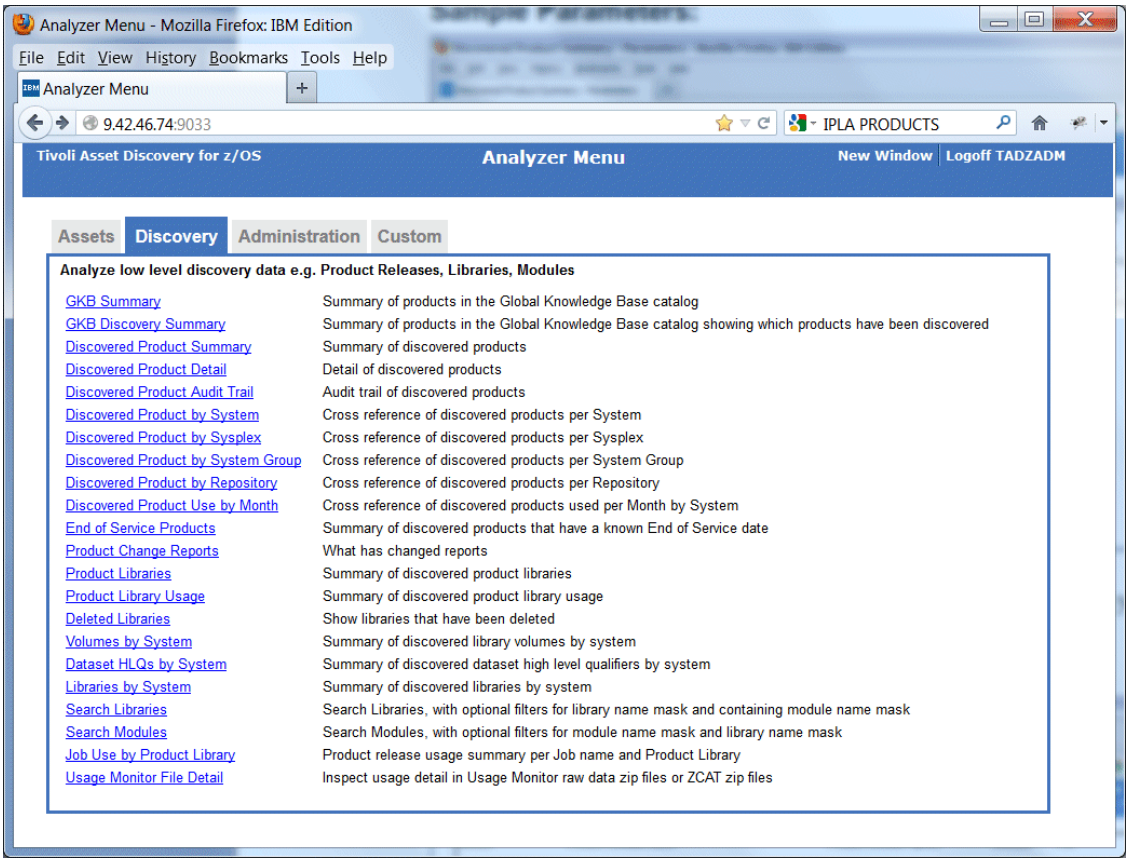
Column Name	Description
First Device	The first device address
Last Device	The last device address
Total Devices	The total number of devices discovered for this control unit
Device Type	The device type attached to the control unit
CHN1	The Channel address for Channel 1
CHN2	The Channel address for Channel 2
CHN3	The Channel address for Channel 3
CHN4	The Channel address for Channel 4
CNH5	The Channel address for Channel 5
CHN6	The Channel address for Channel 6
CHN7	The Channel address for Channel 7
CHN8	The Channel address for Channel 8
Control Unit	The control unit type
Manufacturer	The Manufacturer
Serial Number	Serial number of the control unit
System	The System the control unit is attached to
Period	The period the device scan was done.

Links to drilldown reports

CHNx: Channel Path report

Discovery Tab

The Discovery reports are used by Operations personal as they contain detailed information that are not part of licensing as are the Asset reports. The Discovery reports will always show more products than the Asset reports and this is because all Product components such common modules etc are shown. Also products that are licensed but TADz has not discovered the version of the product will also be shown here with a version of UNKNOWN.



The screen above shows the current Discovery reports.

GKB Summary report

The GKB Summary report provides a summary of the global knowledge base (GKB) data associated with specific products and vendors

Batch report query

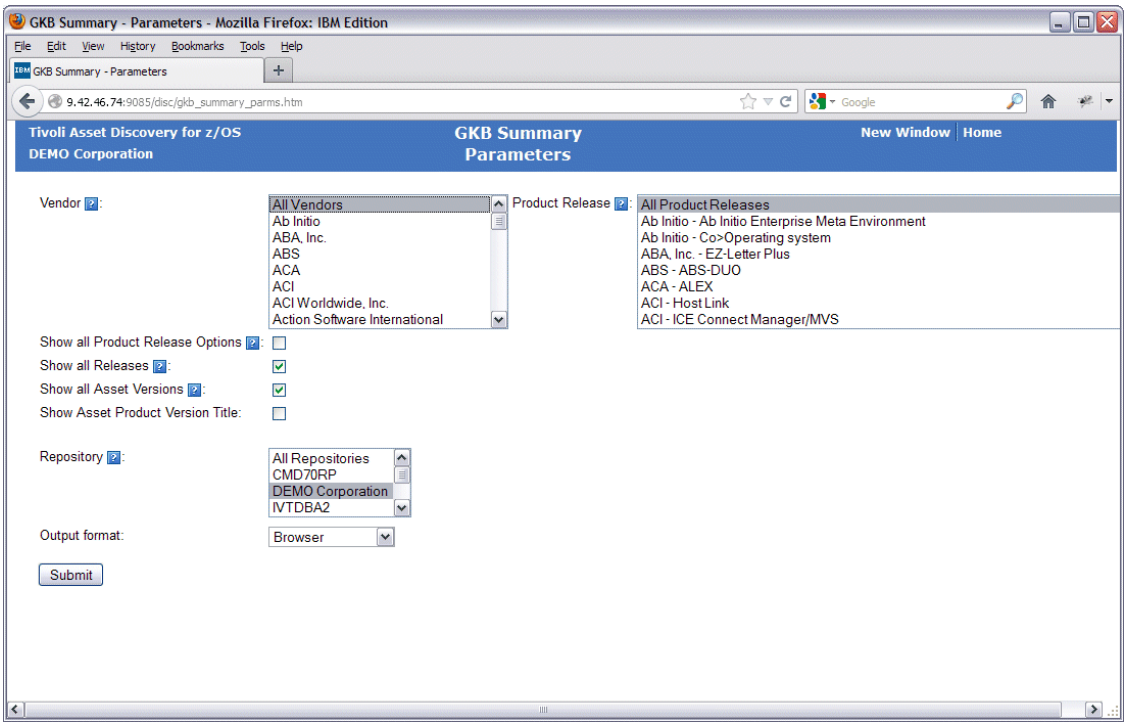
/disc/gkb_summary
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
showrel = *off*
showver = *off*
showvername = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show all Product Release Options	showoption = *on/off*	Yes	Include all product release options in the report.
Show all Releases	showrel = *on/off*	Yes	Include all releases in the report.
Show all Asset Versions	showver = *on/off*	Yes	Include all asset versions in the report.
Show Asset Product Version Title	showvername = *on/off*	Yes	Include asset product version title in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only

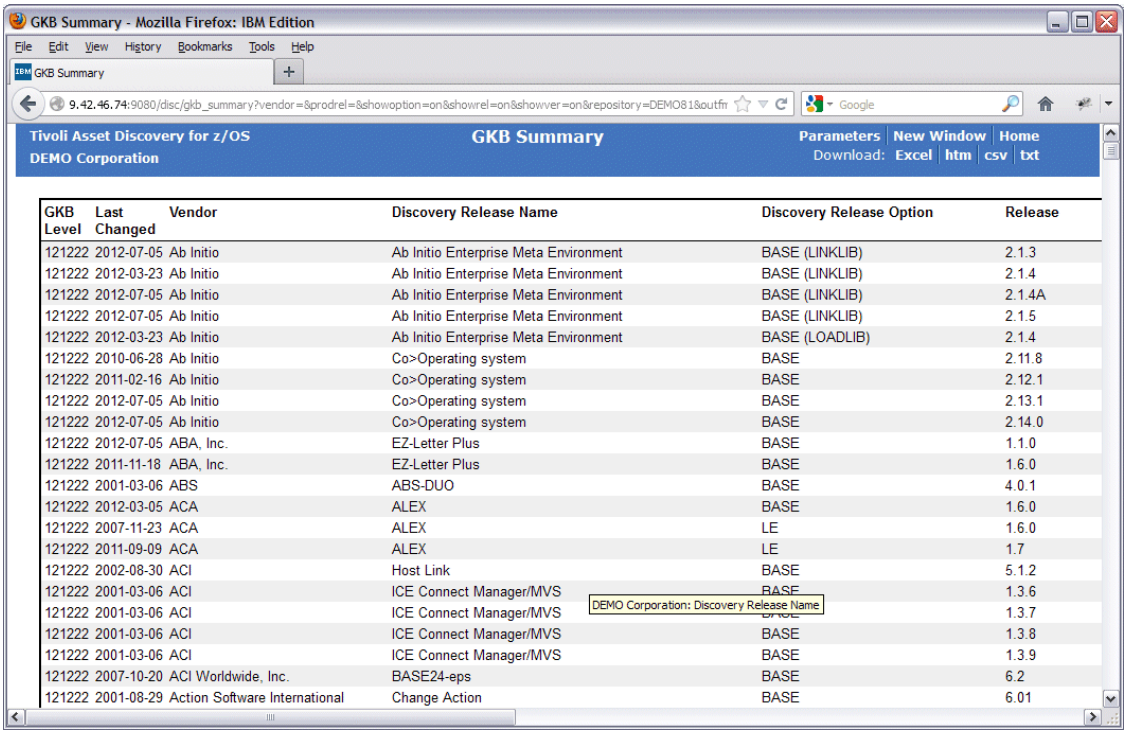
Online parameter	Batch mode parameter	Optional	Description
			the first repository is included in the report.

Sample Parameters:



The GKB summary report is used to show you what products and versions are in the GKB. If you want to make sure that a particular Product is in the GKB, from this screen you can enter the relevant information ie Vendor name. To see all the information make sure you check all the boxes.

Sample Output GKB Summary:



GKB Level	Last Changed	Vendor	Discovery Release Name	Discovery Release Option	Release
121222	2012-07-05	Ab Initio	Ab Initio Enterprise Meta Environment	BASE (LINKLIB)	2.1.3
121222	2012-03-23	Ab Initio	Ab Initio Enterprise Meta Environment	BASE (LINKLIB)	2.1.4
121222	2012-07-05	Ab Initio	Ab Initio Enterprise Meta Environment	BASE (LINKLIB)	2.1.4A
121222	2012-07-05	Ab Initio	Ab Initio Enterprise Meta Environment	BASE (LINKLIB)	2.1.5
121222	2012-03-23	Ab Initio	Ab Initio Enterprise Meta Environment	BASE (LOADLIB)	2.1.4
121222	2010-06-28	Ab Initio	Co>Operating system	BASE	2.11.8
121222	2011-02-16	Ab Initio	Co>Operating system	BASE	2.12.1
121222	2012-07-05	Ab Initio	Co>Operating system	BASE	2.13.1
121222	2012-07-05	Ab Initio	Co>Operating system	BASE	2.14.0
121222	2012-07-05	ABA, Inc.	EZ-Letter Plus	BASE	1.1.0
121222	2011-11-18	ABA, Inc.	EZ-Letter Plus	BASE	1.6.0
121222	2001-03-06	ABS	ABS-DUO	BASE	4.0.1
121222	2012-03-05	ACA	ALEX	BASE	1.6.0
121222	2007-11-23	ACA	ALEX	LE	1.6.0
121222	2011-09-09	ACA	ALEX	LE	1.7
121222	2002-08-30	ACI	Host Link	BASE	5.1.2
121222	2001-03-06	ACI	ICE Connect Manager/MVS	BASE	1.3.6
121222	2001-03-06	ACI	ICE Connect Manager/MVS	BASE	1.3.7
121222	2001-03-06	ACI	ICE Connect Manager/MVS	BASE	1.3.8
121222	2001-03-06	ACI	ICE Connect Manager/MVS	BASE	1.3.9
121222	2007-10-20	ACI Worldwide, Inc.	BASE24-eps	BASE	6.2
121222	2001-08-29	Action Software International	Change Action	BASE	6.01

The output above shows the detail data from the GKB.

Report columns

Column Name	Description
GKB Level	The level of the GKB currently loaded
Last Changed	The date the observation was last changed
Vendor	The Vendor Name
Discovery Release Name	The Discovery name of the product
Discovery Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
EOS of Service	The End of Service date for the product. IBM EOS dates are added by IBM but ISV EOS dates need to be added by the user. See Admin Tab.
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
PID	The PID of the product
S&S PID	The IBM S&S PID for the product
Asset Product Name	The Asset Product name

Column Name	Description
Asset Version Title	The Asset Version title
Asset Feature	The Asset feature name
EID	The IBM entitlement ID

Links to drilldown reports

- Discovery Release Options: GKB Summary with more product release options
- Releases: GKB Summary with more releases
- Asset Versions: GKB Summary with more asset versions

GKB Discovery Summary report

The GKB Discovery Summary report provides a summary of the global knowledge base (GKB) data on which products have been discovered.

Batch report query

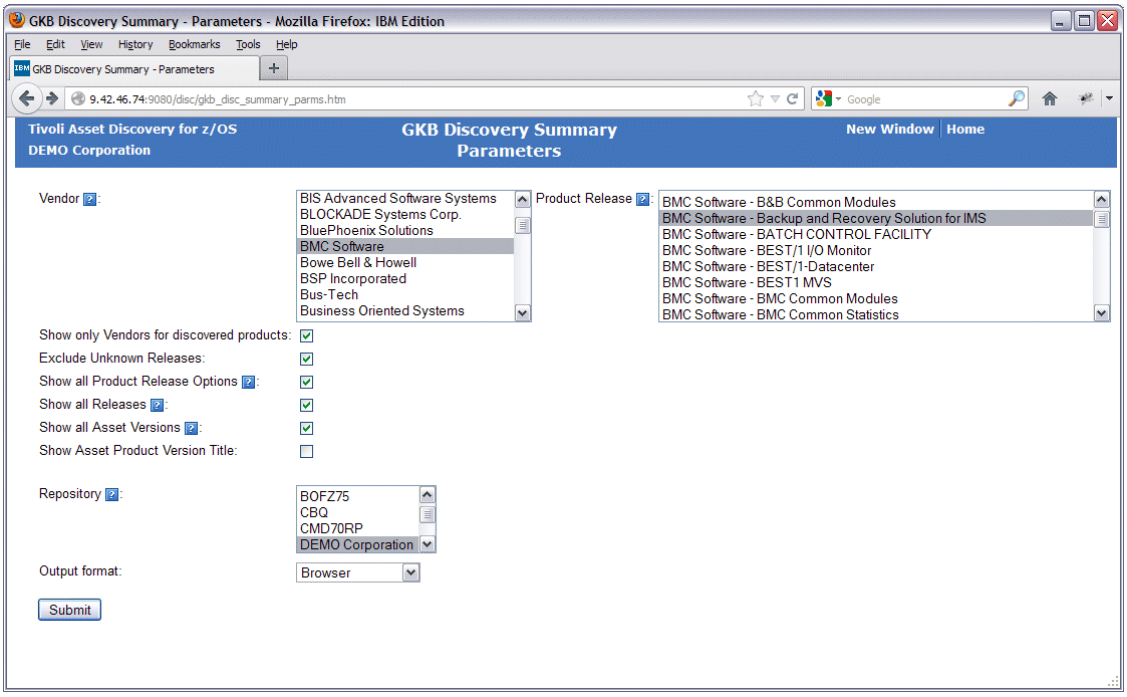
/disc/gkb_disc_summary
vendor = <*vendor*>
prodrel = <*prodrel*>
showdiscvendors = *on*
exclunknown = *off*
showoption = *off*
showrel = *off*
showver = *off*
showvername = *off*
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show only Vendors for discovered products	showdiscvendors = *on/off*	Yes	Include only vendors for discovered products in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Show all Product Release Options	showoption = *on/off*	Yes	Include all product release options in the report.
Show all Releases	showrel = *on/off*	Yes	Include all releases in the report.
Show all Asset	showver = *on/off*	Yes	Include asset versions in the

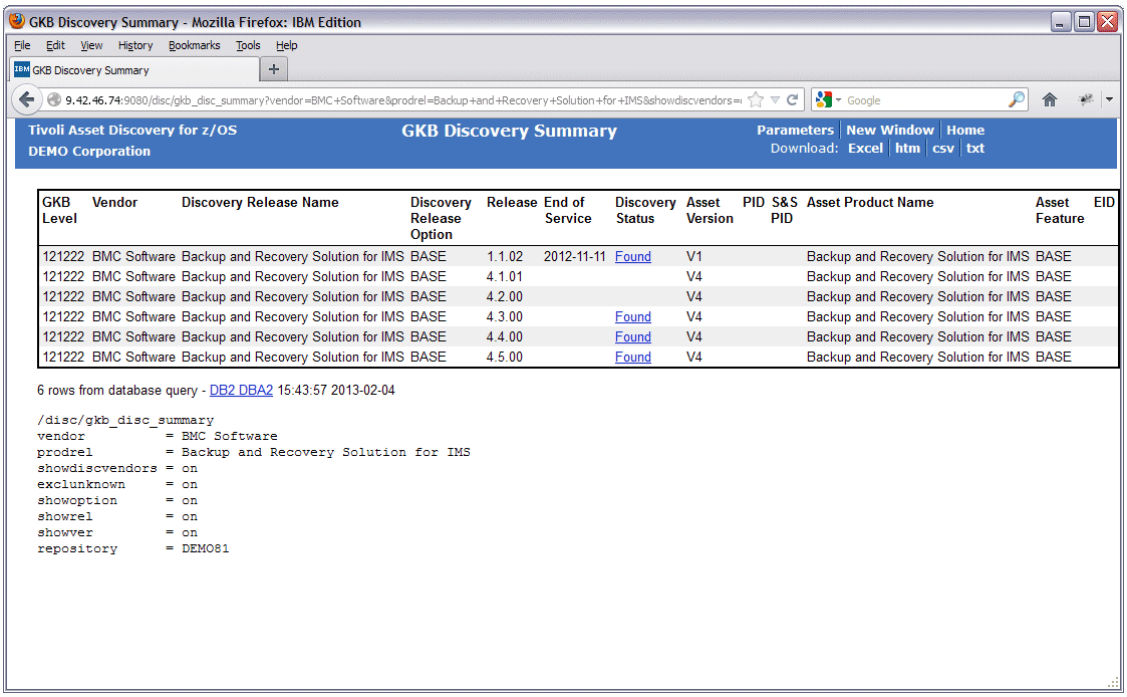
Online parameter	Batch mode parameter	Optional	Description
Versions			report.
Show Asset Product Version Title	showvername = *on/off*	Yes	Include asset product version title in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report is used to check what products are in your Repository against the GKB.

Sample Output GKB Discovery Summary:



The output above shows the discovery status for the product as being Found for the specified versions. You can drill down on the Found to see where the product is installed.

Report columns

Column Name	Description
GKB Level	The level of the GKB currently loaded
Vendor	The Vendor Name
Discovery Release Name	The Discovery name of the product
Discovery Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
EOS of Service	The End of Service date for the product. IBM EOS dates are added by IBM but ISV EOS dates need to be added by the user. See Admin Tab.
Discovery Status	If the word Found is shown against a product this means the product has been discovered and is in the Repository
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
PID	The PID of the product
S&S PID	The IBM S&S PID for the product

Column Name	Description
Asset Product Name	The Asset Product name
Asset Version Title	The Asset Version title
Asset Feature	The Asset feature name
EID	The IBM entitlement ID

Links to drilldown reports

- Discovery Release Options: GKB Summary with more product release options
- Releases: GKB Summary with more releases
- Discovery Status: Product Libraries
- Asset Versions: GKB Summary with more asset versions

Discovered Product Summary report

The Discovered Product Summary report provides a summary of discovered products

Batch report query

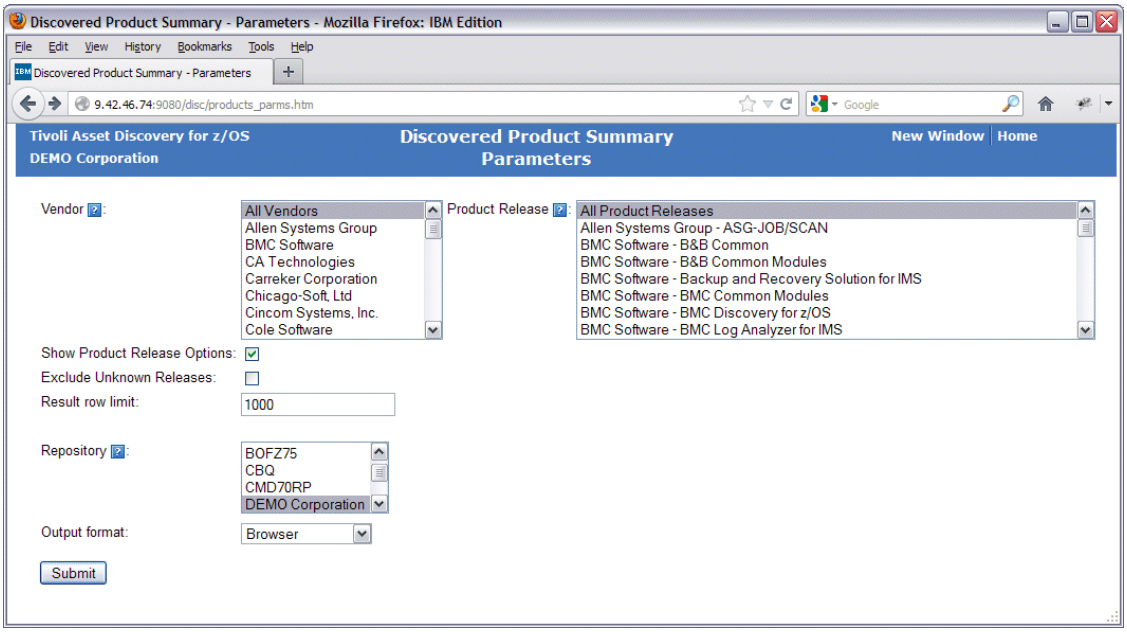
/disc/products
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only

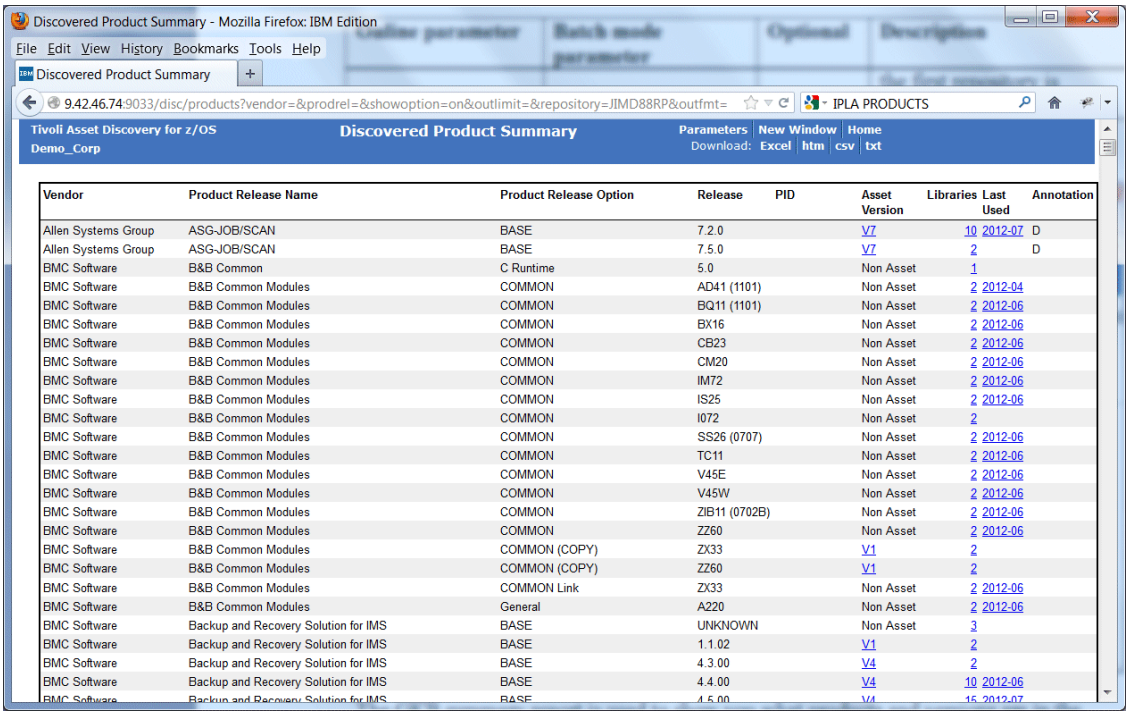
			the first repository is included in the report.

Sample Parameters:



This report will give you an overview of all the products found in your Repository.

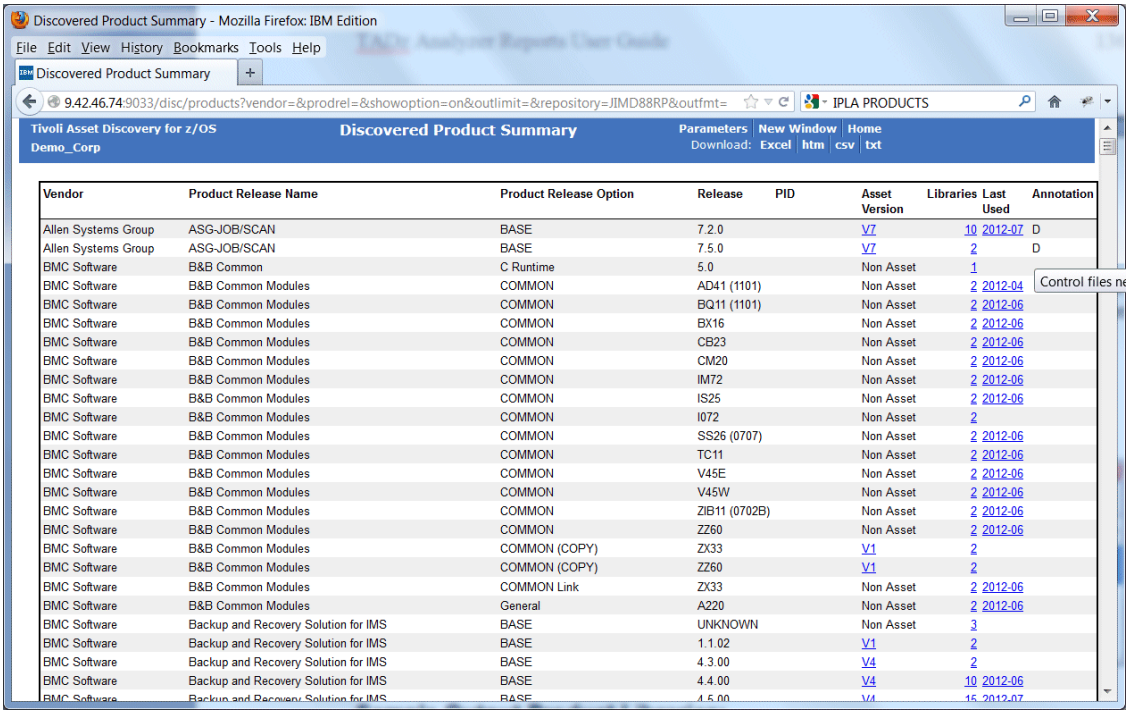
Sample Output Discovered Product Summary:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Libraries	Last Used	Annotation
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	10	2012-07	D
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	2		D
BMC Software	B&B Common	C Runtime	5.0		Non Asset	1		
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	2	2012-04	
BMC Software	B&B Common Modules	COMMON	BQ11 (1101)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	BX16		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	CB23		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	CM20		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	IM72		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	IS25		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	I072		Non Asset	2		
BMC Software	B&B Common Modules	COMMON	SS26 (0707)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	TC11		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	V45E		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	V45W		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	ZIB11 (0702B)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	ZZ60		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON (COPY)	ZX33		V1	2		
BMC Software	B&B Common Modules	COMMON (COPY)	ZZ60		V1	2		
BMC Software	B&B Common Modules	COMMON Link	ZX33		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	General	A220		Non Asset	2	2012-06	
BMC Software	Backup and Recovery Solution for IMS	BASE	UNKNOWN		Non Asset	3		
BMC Software	Backup and Recovery Solution for IMS	BASE	1.1.02		V1	2		
BMC Software	Backup and Recovery Solution for IMS	BASE	4.3.00		V4	2		
BMC Software	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	10	2012-06	
BMC Software	Backup and Recovery Solution for IMS	BASE	4.5.00		V4	15	2012-07	

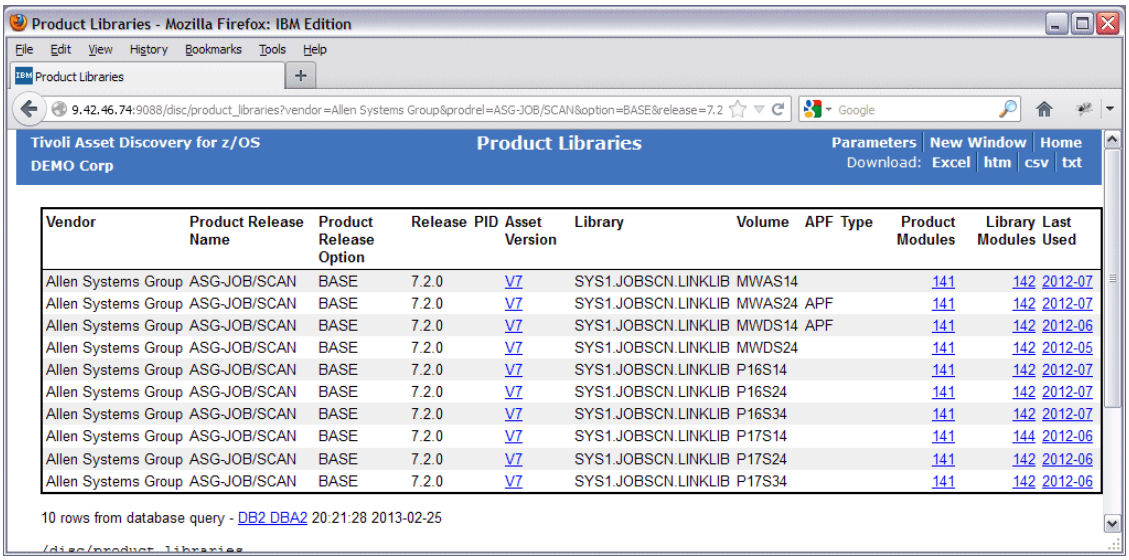
The output above shows summary data for the selected Repository. You will note that the column Annotation has an entry of D. This means that an Annotation has been created for the Product. To view an Annotation put your mouse on the D in the Annotation column and a popup will show the Annotation. Only an Administrator can create Annotations. Other drill downs are the Libraries and the Last Used dates.

Sample Output Annotations:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Libraries	Last Used	Annotation
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	10	2012-07	D
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	2		D
BMC Software	B&B Common	C Runtime	5.0		Non Asset	1		
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	2	2012-04	
BMC Software	B&B Common Modules	COMMON	BQ11 (1101)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	BX16		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	CB23		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	CM20		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	IM72		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	IS25		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	I072		Non Asset	2		
BMC Software	B&B Common Modules	COMMON	SS26 (0707)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	TC11		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	V45E		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	V45W		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	ZIB11 (0702B)		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON	ZZ60		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	COMMON (COPY)	ZX33		V1	2		
BMC Software	B&B Common Modules	COMMON (COPY)	ZZ60		V1	2		
BMC Software	B&B Common Modules	COMMON Link	ZX33		Non Asset	2	2012-06	
BMC Software	B&B Common Modules	General	A220		Non Asset	2	2012-06	
BMC Software	Backup and Recovery Solution for IMS	BASE	UNKNOWN		Non Asset	3		
BMC Software	Backup and Recovery Solution for IMS	BASE	1.1.02		V1	2		
BMC Software	Backup and Recovery Solution for IMS	BASE	4.3.00		V4	2		
BMC Software	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	10	2012-06	

Sample Output Product Libraries:

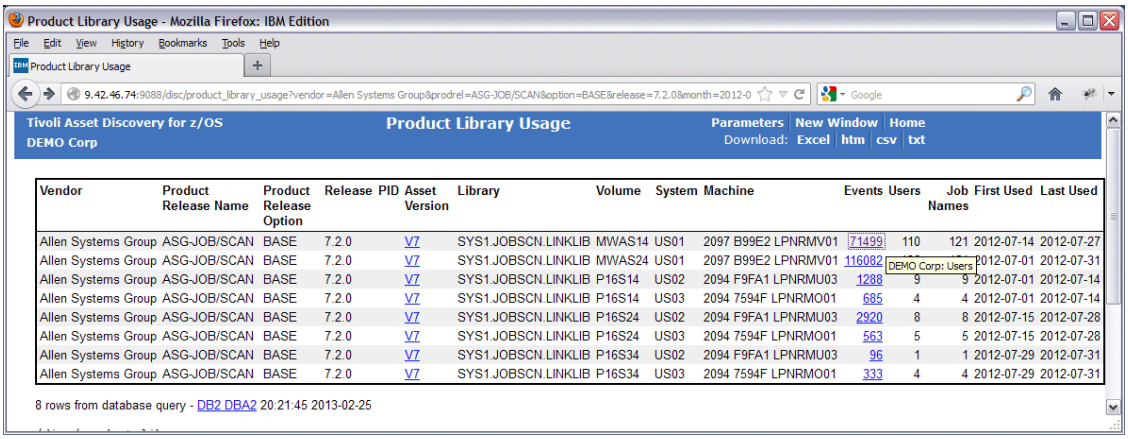


Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	APF	Type	Product Modules	Library Modules	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS14			141	142	2012-07
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS24	APF		141	142	2012-07
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	APF		141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24			141	142	2012-05
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S14			141	142	2012-07
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S24			141	142	2012-07
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S34			141	142	2012-07
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S14			141	144	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S24			141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S34			141	142	2012-06

10 rows from database query - DB2 DBA2 20:21:28 2013-02-25

The output above shows the libraries where the product is installed. From here you can view the product modules and also all the modules in the library.

Sample Output Product Library Usage:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	System	Machine	Events	Users	Job Names	First Used	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS14	US01	2097 B99E2 LPNRMV01	71499	110	121	2012-07-14	2012-07-27
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS24	US01	2097 B99E2 LPNRMV01	116082			2012-07-01	2012-07-31
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S14	US02	2094 F9FA1 LPNRMU03	1288	9	9	2012-07-01	2012-07-14
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S14	US03	2094 7594F LPNRMO01	685	4	4	2012-07-01	2012-07-14
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S24	US02	2094 F9FA1 LPNRMU03	2920	8	8	2012-07-15	2012-07-28
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S24	US03	2094 7594F LPNRMO01	563	5	5	2012-07-15	2012-07-28
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S34	US02	2094 F9FA1 LPNRMU03	96	1	1	2012-07-29	2012-07-31
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S34	US03	2094 7594F LPNRMO01	333	4	4	2012-07-29	2012-07-31

The output above shows the usage for a product by library. You can drill down on the events to see the detailed usage information.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Libraries	The number of libraries in the Repository that the product was discovered in.
Last Used	The Last date the product was used
Annotation	If the product has an Annotation then this field will show a D or B. To view the Annotation select the letter and the Annotation will be displayed.

Links to drilldown reports

- Asset Version: Product Inventory
- Libraries: Product Libraries
- Last Used: Product Library Usage
- Annotation: Display Annotation

Discovered Product Detail report

The Discovered Product Detail report provides the detail for discovered products

Batch report query

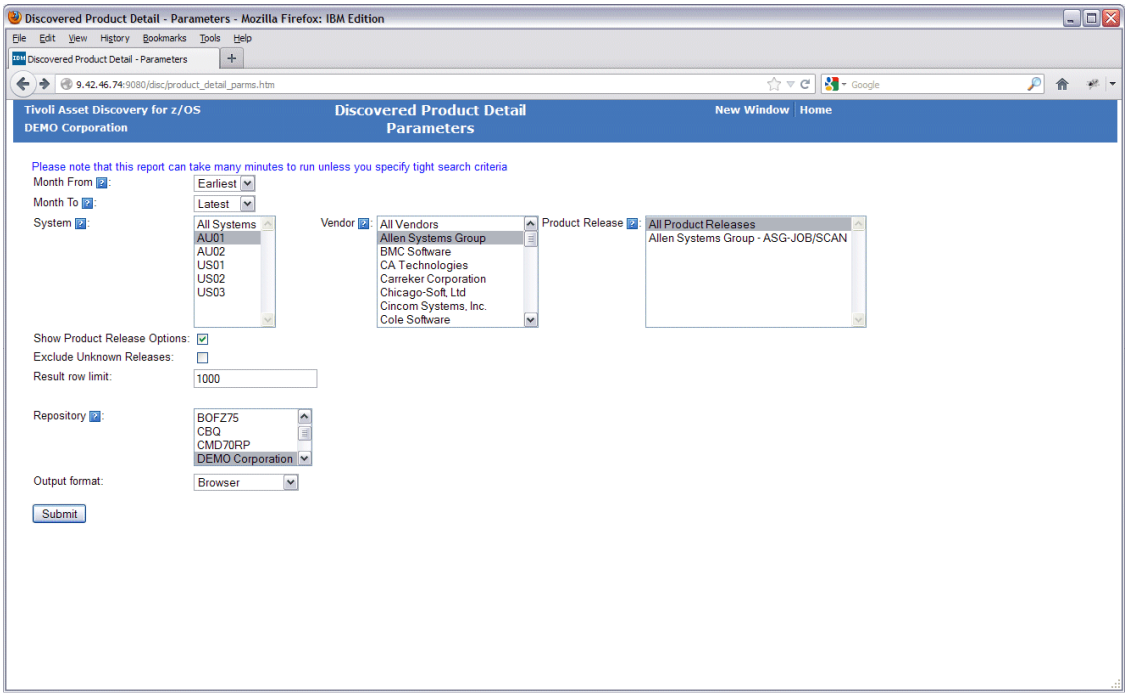
/disc/product_detail
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.

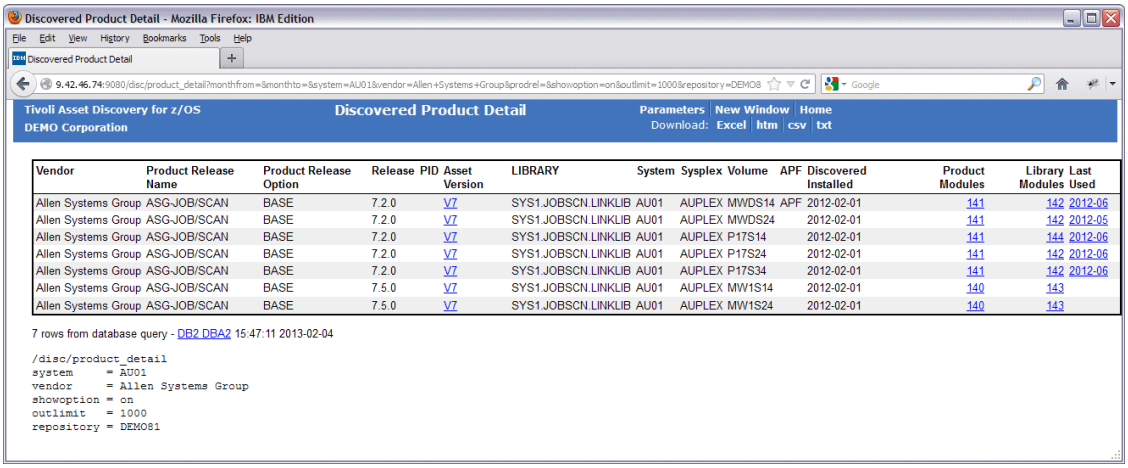
Online parameter	Batch mode parameter	Optional	Description
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Discovered Product Detail report will display all the products installed including the libraries they are installed in. This report will create a lot of information so it pays to filter the data you display otherwise selecting all systems and vendors etc will create a very large report.

Sample Output Discovered Product Detail:



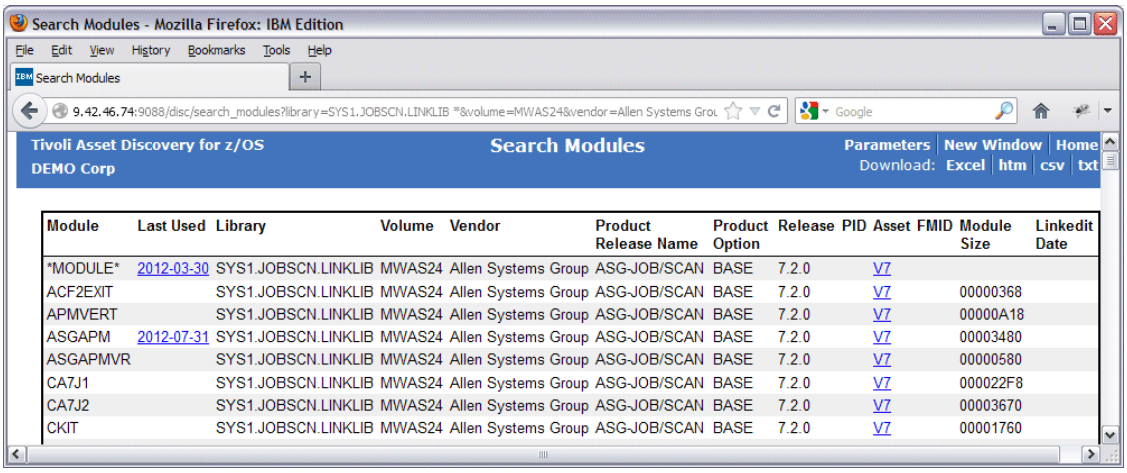
Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	LIBRARY	System	Sysplex	Volume	APF	Discovered Installed	Product Modules	Library Modules	Last Used
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	MWDS14	APF	2012-02-01	141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	MWDS24		2012-02-01	141	142	2012-05
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	P17S14		2012-02-01	141	144	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	P17S24		2012-02-01	141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	P17S34		2012-02-01	141	142	2012-06
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	MW1S14		2012-02-01	140	143	
Allen Systems Group	ASG-JOB/SCAN	BASE	7.5.0		V7	SYS1.JOBSCN.LINKLIB	AU01	AUPLEX	MW1S24		2012-02-01	140	143	

7 rows from database query - DB2 DBA2 15:47:11 2013-02-04

```
/disc/product_detail
system     = AU01
vendor     = Allen Systems Group
showoption = on
outlimit   = 1000
repository = DEMO81
```

The output above shows a Product Detail report for a specific product. Note it shows the library name, System and the Sysplex the product is installed on.

Sample Output Product Modules:



Module	Last Used	Library	Volume	Vendor	Product Release Name	Product Option	Release	PID	Asset	FMID	Module Size	Linkedit Date
MODULE	2012-03-30	SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7			
ACF2EXIT		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00000368	
APMVERT		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00000A18	
ASGAPM	2012-07-31	SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00003480	
ASGAPMVR		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00000580	
CA7J1		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		000022F8	
CA7J2		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00003670	
CKIT		SYS1.JOBSCN.LINKLIB	MWAS24	Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7		00001760	

This report shows the modules that belong to the identified product. You will notice that the first module name *MODULE*. When you see module names like this it shows that the Usage for that period has either been deleted or summarised.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product

Column Name	Description
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Library	The name of the library the product was discovered in
System	The System the product was discovered on
Sysplex	The name of the Sysplex the product is in
Volume	The VOLSER of the library the product was discovered on
APF	If the library is APF authorised then a Y will be displayed
Product Modules	The number of modules discovered in this library for the product
Library Modules	The total number of modules in the library
Last Used	The Last date the product was used

Links to drilldown reports

- Asset Version: Product Inventory
- Product Modules: Search Modules
- Library Modules: Search Modules
- Last Used: Module Usage

Discovered Product Audit Trail report

The Discovered Product Audit Detail report provides audit trail information for discovered products

Batch report query

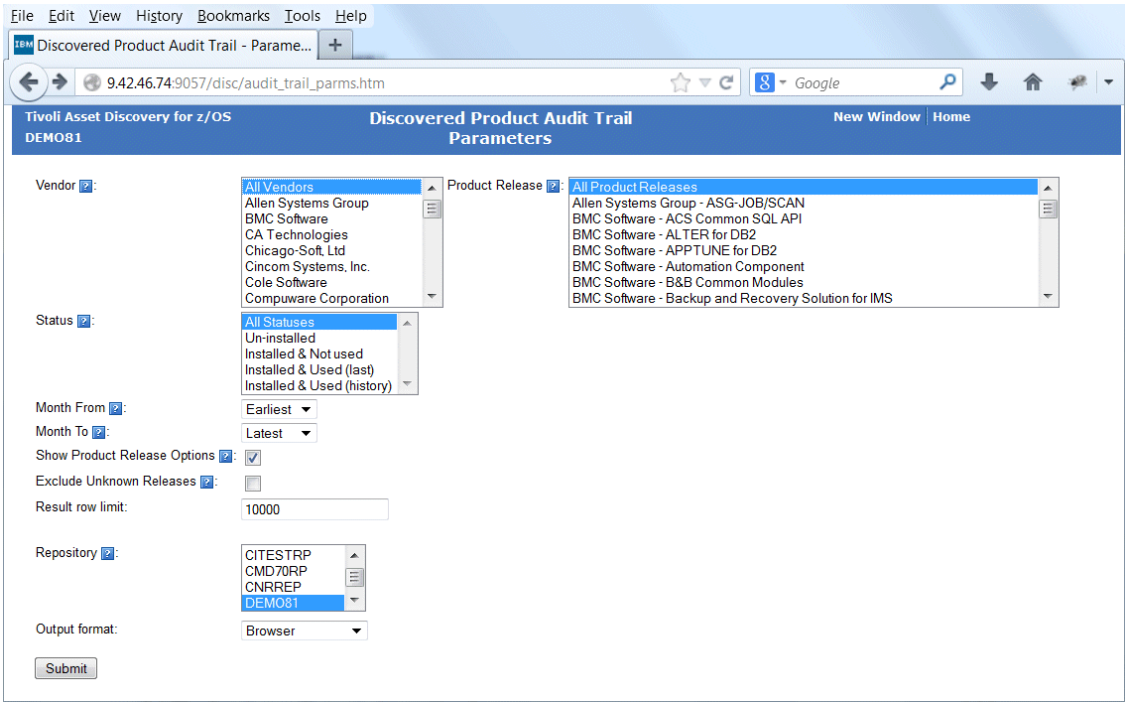
/disc/audit_trail
vendor = <*vendor*>
prodrel = <*prodrel*>
status = <*status*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
showoption = *off*
exclunknown = *off*
showsysname = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Status	status = <status>	No	Audit Trail status: • All Statuses • Un-installed • Installed & Not Used • Installed & Used (last) • Installed & Used (history)
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified

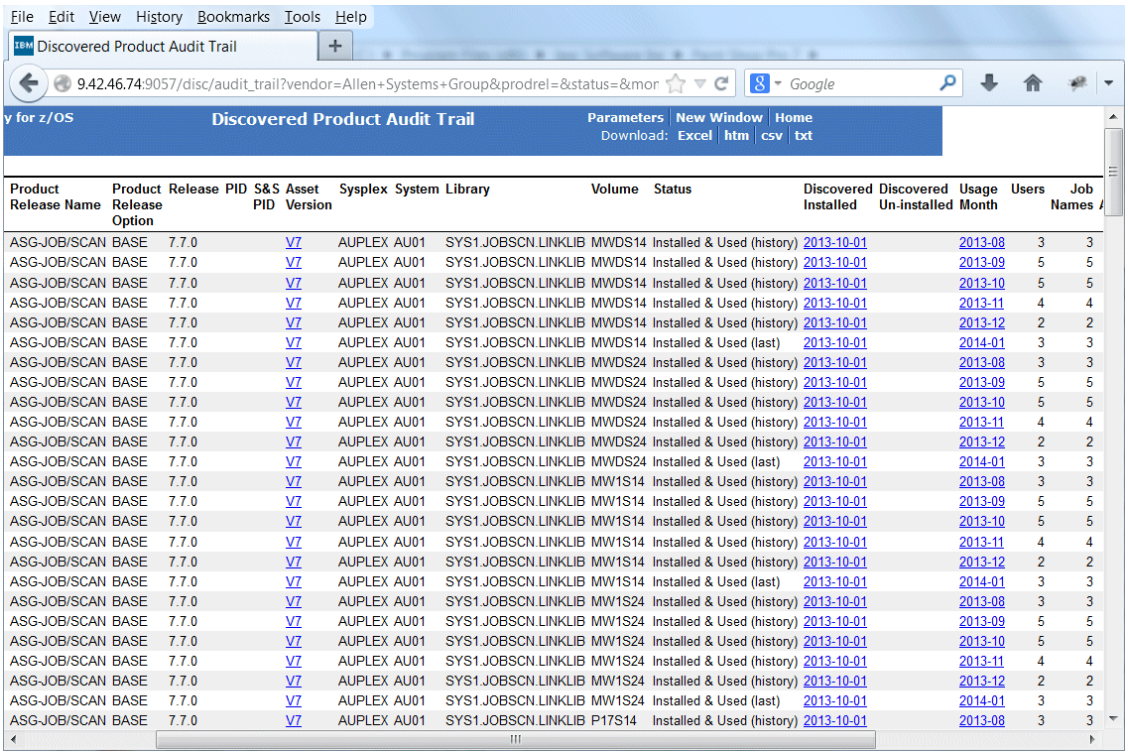
Online parameter	Batch mode parameter	Optional	Description
			month
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Discovered Product Audit Trail report will give you an overview of all the products installed in the selected Repository. Use the Status list box to filter the data to view specific data.

Sample Output Discovered Product Audit Trail:



File Edit View History Bookmarks Tools Help

Discovered Product Audit Trail

9.42.46.74:9057/disc/audit_trail?vendor=Allen+Systems+Group&prodrel=&status=&mor

Google

y for z/OS — Discovered Product Audit Trail — Parameters | New Window | Home — Download: Excel | htm | csv | txt

Product Release Name	Product Release Option	Release	PID	S&S PID	Asset Version	Sysplex	System	Library	Volume	Status	Discovered Installed	Discovered Un-installed	Usage Month	Users	Job Names
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (history)	2013-10-01		2013-08	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (history)	2013-10-01		2013-09	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (history)	2013-10-01		2013-10	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (history)	2013-10-01		2013-11	4	4
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (history)	2013-10-01		2013-12	2	2
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS14	Installed & Used (last)	2013-10-01		2014-01	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (history)	2013-10-01		2013-08	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (history)	2013-10-01		2013-09	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (history)	2013-10-01		2013-10	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (history)	2013-10-01		2013-11	4	4
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (history)	2013-10-01		2013-12	2	2
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MWDS24	Installed & Used (last)	2013-10-01		2014-01	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (history)	2013-10-01		2013-08	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (history)	2013-10-01		2013-09	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (history)	2013-10-01		2013-10	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (history)	2013-10-01		2013-11	4	4
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (history)	2013-10-01		2013-12	2	2
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S14	Installed & Used (last)	2013-10-01		2014-01	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (history)	2013-10-01		2013-08	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (history)	2013-10-01		2013-09	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (history)	2013-10-01		2013-10	5	5
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (history)	2013-10-01		2013-11	4	4
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (history)	2013-10-01		2013-12	2	2
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	MW1S24	Installed & Used (last)	2013-10-01		2014-01	3	3
ASG-JOB/SCAN	BASE	7.7.0			V7	AUPLEX	AU01	SYS1.JOBSCN.LINKLIB	P17S14	Installed & Used (history)	2013-10-01		2013-08	3	3

The output above shows the current status of the installed software. If a product has been deleted for example the status column Discovered Un–Installed will show the date the product was no longer in the last IQIMPORT run.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
SSPID	Service Subscription Product Identifier
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Sysplex	The name of the Sysplex the product is in
System	The System the product was discovered on
Library	The name of the library the product was discovered in
Volume	The Volume Serial number of the disk.

Column Name	Description
Status	The current status of the product
Discovered Installed	The date the product was first discovered by TADz
Discovered Uninstalled	The date the product was uninstalled.
Usage Month	For each month that usage has been collected the will be displayed
Users	The number of unique users per month
Job Names	The number of unique Job names per month
Job Accounts	The number of unique Job accounts per month
Events	How many events (load module executions) were record against the product for the shown month
First Used	The first usage date for the displayed month
Last Used	The last usage date for the displayed month

Links to drilldown reports

- Asset Version: Product Inventory
- Discovered Installed: Product Libraries
- Usage Month: Product Library Usage

Discovered Product by System report

The Discovered Product by System report provides a summary of discovered products by system

Batch report query

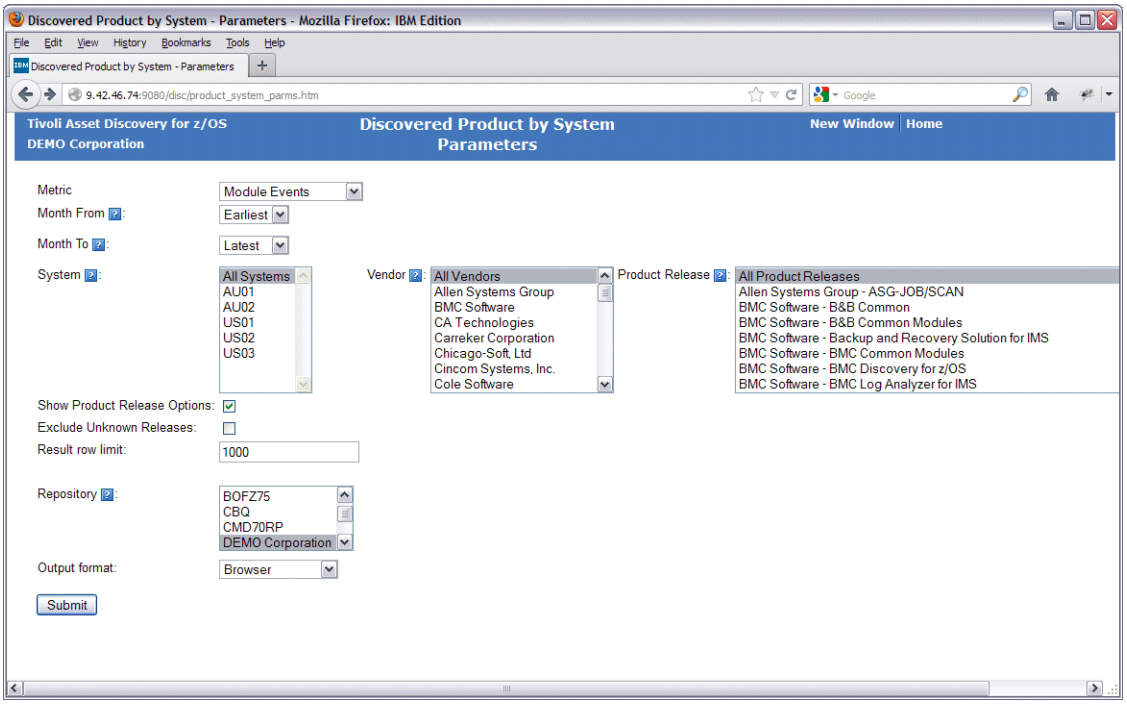
/disc/product_system
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple	Yes	In batch mode, if you do not specify a system, all systems are included in the report.

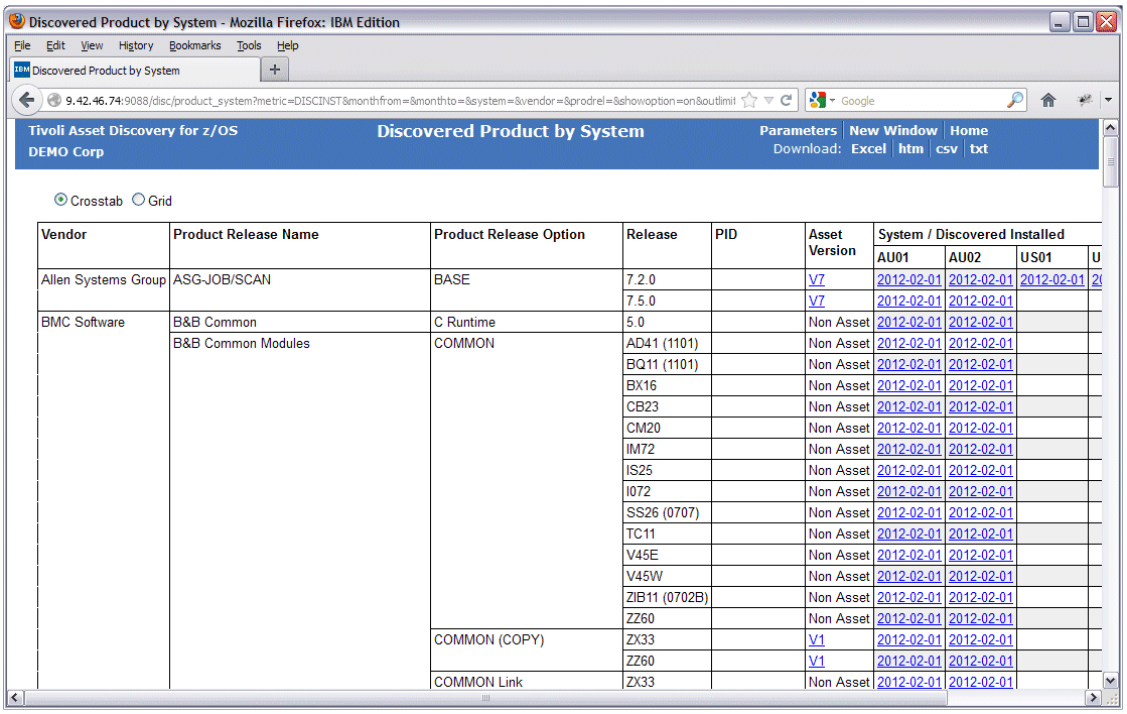
Online parameter	Batch mode parameter	Optional	Description
	systems, repeat the line for each additional system.		
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report allows filtering of the data by allowing you to only show products for a specific system. You can also filter by Vendor and Product. Different Metrics allow for more specific data feedback.

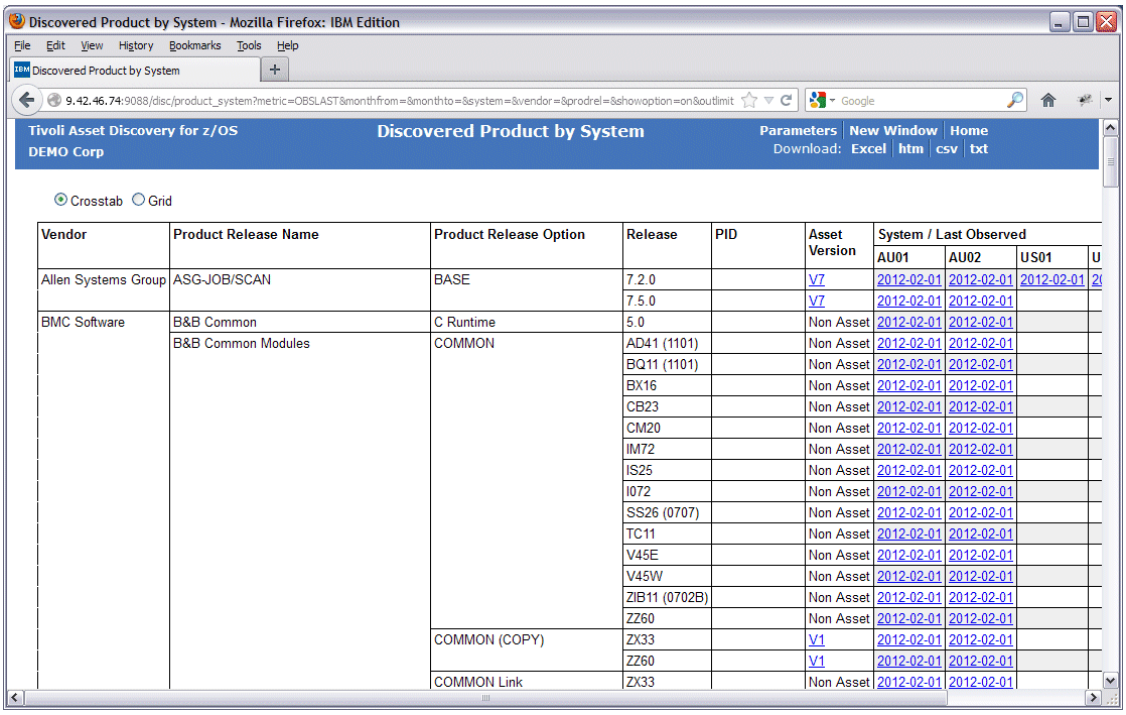
Sample Output Discovered Installed Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Discovered Installed			
						AU01	AU02	US01	U
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-02-01	2012-02-01	2012-02-01	2(
			7.5.0		V7	2012-02-01	2012-02-01		
BMC Software	B&B Common	C Runtime	5.0		Non Asset	2012-02-01	2012-02-01		
	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	2012-02-01	2012-02-01		
			BQ11 (1101)		Non Asset	2012-02-01	2012-02-01		
			BX16		Non Asset	2012-02-01	2012-02-01		
			CB23		Non Asset	2012-02-01	2012-02-01		
			CM20		Non Asset	2012-02-01	2012-02-01		
			IM72		Non Asset	2012-02-01	2012-02-01		
			IS25		Non Asset	2012-02-01	2012-02-01		
			I072		Non Asset	2012-02-01	2012-02-01		
			SS26 (0707)		Non Asset	2012-02-01	2012-02-01		
			TC11		Non Asset	2012-02-01	2012-02-01		
			V45E		Non Asset	2012-02-01	2012-02-01		
			V45W		Non Asset	2012-02-01	2012-02-01		
			ZIB11 (0702B)		Non Asset	2012-02-01	2012-02-01		
			ZZ60		Non Asset	2012-02-01	2012-02-01		
		COMMON (COPY)	ZX33		V1	2012-02-01	2012-02-01		
			ZZ60		V1	2012-02-01	2012-02-01		
		COMMON Link	ZX33		Non Asset	2012-02-01	2012-02-01		

The output above shows the Discovered Installed date for the products in the selected Repository.

Sample Output Last Observed Metric:



Discovered Product by System - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Discovered Product by System

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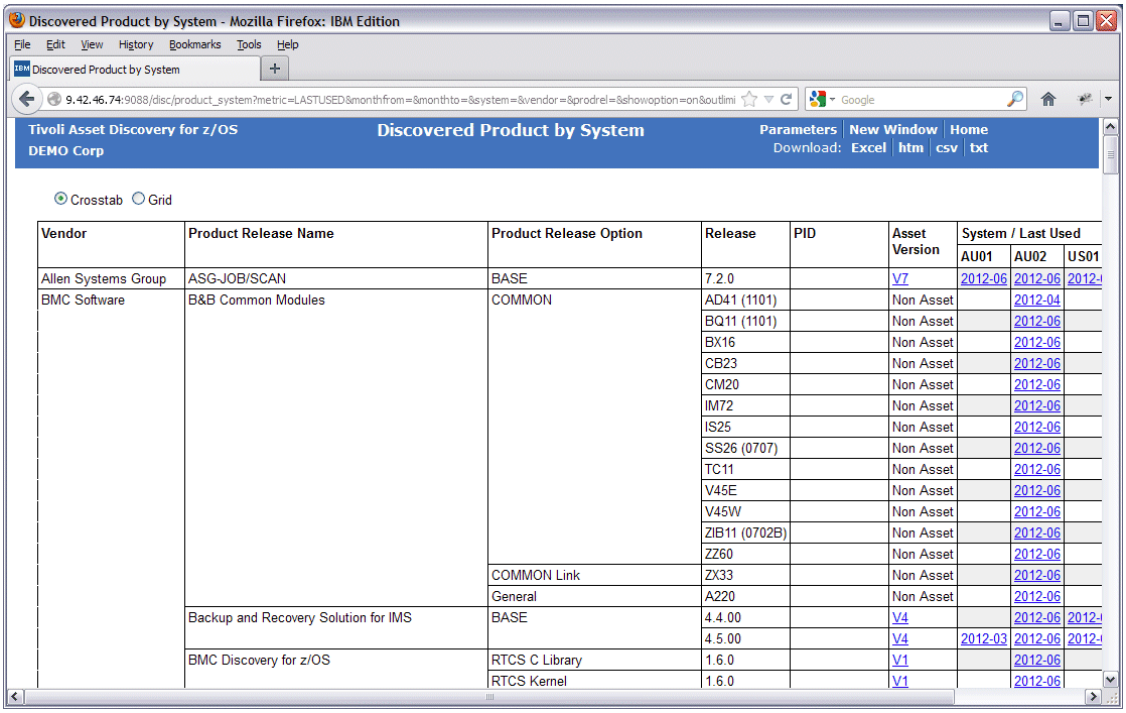
Crosstab / Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Last Observed			
						AU01	AU02	US01	U
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-02-01	2012-02-01	2012-02-01	2(
			7.5.0		V7	2012-02-01	2012-02-01		
BMC Software	B&B Common	C Runtime	5.0		Non Asset	2012-02-01	2012-02-01		
	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	2012-02-01	2012-02-01		
			BQ11 (1101)		Non Asset	2012-02-01	2012-02-01		
			BX16		Non Asset	2012-02-01	2012-02-01		
			CB23		Non Asset	2012-02-01	2012-02-01		
			CM20		Non Asset	2012-02-01	2012-02-01		
			IM72		Non Asset	2012-02-01	2012-02-01		
			IS25		Non Asset	2012-02-01	2012-02-01		
			I072		Non Asset	2012-02-01	2012-02-01		
			SS26 (0707)		Non Asset	2012-02-01	2012-02-01		
			TC11		Non Asset	2012-02-01	2012-02-01		
			V45E		Non Asset	2012-02-01	2012-02-01		
			V45W		Non Asset	2012-02-01	2012-02-01		
			ZIB11 (0702B)		Non Asset	2012-02-01	2012-02-01		
			ZZ60		Non Asset	2012-02-01	2012-02-01		
		COMMON (COPY)	ZX33		V1	2012-02-01	2012-02-01		
			ZZ60		V1	2012-02-01	2012-02-01		
		COMMON Link	ZX33		Non Asset	2012-02-01	2012-02-01		

The output above shows the Last Observed date for the products in the selected Repository. This date will be updated whenever a product has been seen in subsequent IQIMPORTS.

Sample Output Last Used Metric:



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Discovered Product by System

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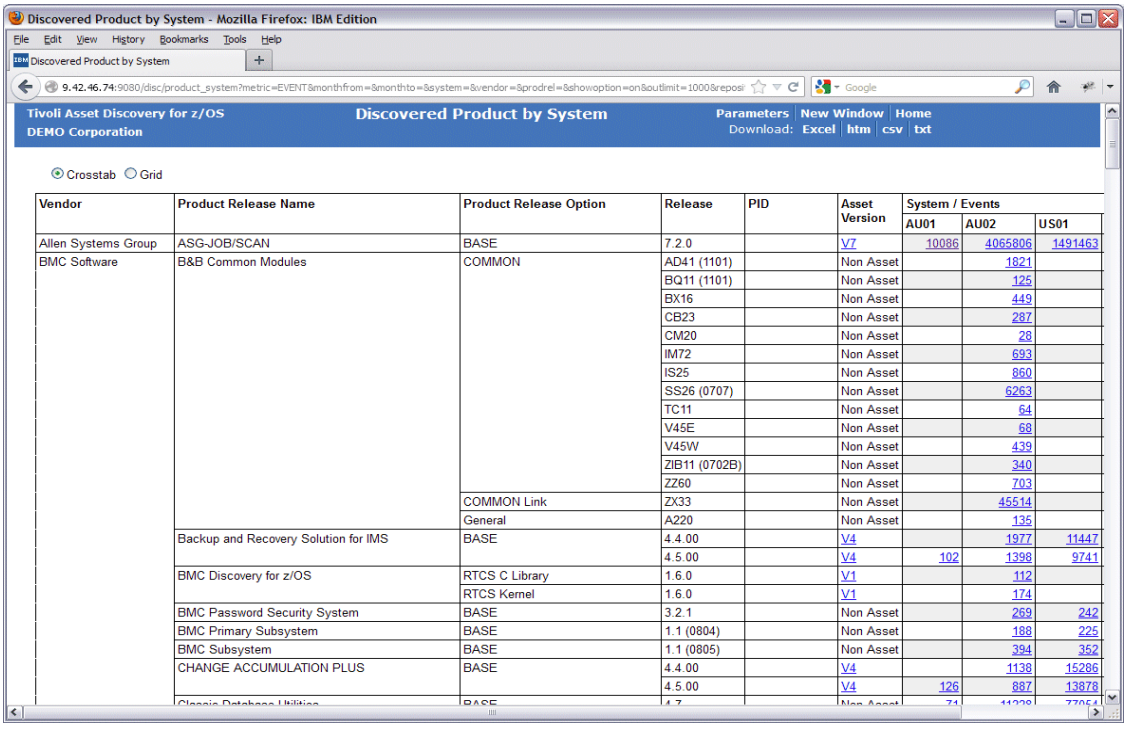
Crosstab / Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Last Used		
						AU01	AU02	US01
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-06	2012-06	2012-
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset		2012-04	
			BQ11 (1101)		Non Asset		2012-06	
			BX16		Non Asset		2012-06	
			CB23		Non Asset		2012-06	
			CM20		Non Asset		2012-06	
			IM72		Non Asset		2012-06	
			IS25		Non Asset		2012-06	
			SS26 (0707)		Non Asset		2012-06	
			TC11		Non Asset		2012-06	
			V45E		Non Asset		2012-06	
			V45W		Non Asset		2012-06	
			ZIB11 (0702B)		Non Asset		2012-06	
			ZZ60		Non Asset		2012-06	
		COMMON Link	ZX33		Non Asset		2012-06	
		General	A220		Non Asset		2012-06	
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4		2012-06	2012-
			4.5.00		V4	2012-03	2012-06	2012-
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1		2012-06	
		RTCS Kernel	1.6.0		V1		2012-06	

The output above shows the Last Used date for the products in the selected Repository.

Sample Output Module Events Metric:



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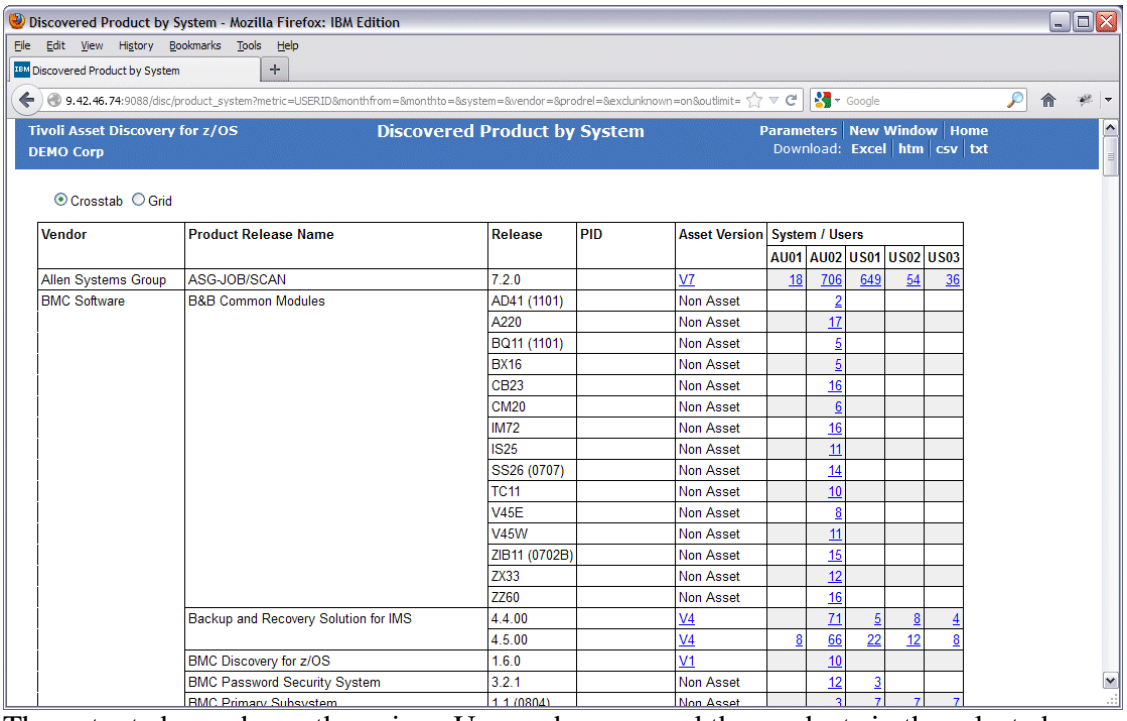
Crosstab / Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Events		
						AU01	AU02	US01
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	10086	4065806	1491463
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset		1821	
			BQ11 (1101)		Non Asset		125	
			BX16		Non Asset		449	
			CB23		Non Asset		287	
			CM20		Non Asset		28	
			IM72		Non Asset		693	
			IS25		Non Asset		860	
			SS26 (0707)		Non Asset		6263	
			TC11		Non Asset		64	
			V45E		Non Asset		68	
			V45W		Non Asset		439	
			ZIB11 (0702B)		Non Asset		340	
			ZZ60		Non Asset		703	
		COMMON Link	ZX33		Non Asset		45514	
		General	A220		Non Asset		135	
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4		1977	11447
			4.5.00		V4	102	1398	9741
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1		112	
		RTCS Kernel	1.6.0		V1		174	
	BMC Password Security System	BASE	3.2.1		Non Asset		269	242
	BMC Primary Subsystem	BASE	1.1 (0804)		Non Asset		188	225
	BMC Subsystem	BASE	1.1 (0805)		Non Asset		394	352
	CHANGE ACCUMULATION PLUS	BASE	4.4.00		V4		1138	15286
			4.5.00		V4	126	887	13878

The output above shows the Module Events for the products in the selected Repository.

Sample Output User Id Count Metric:



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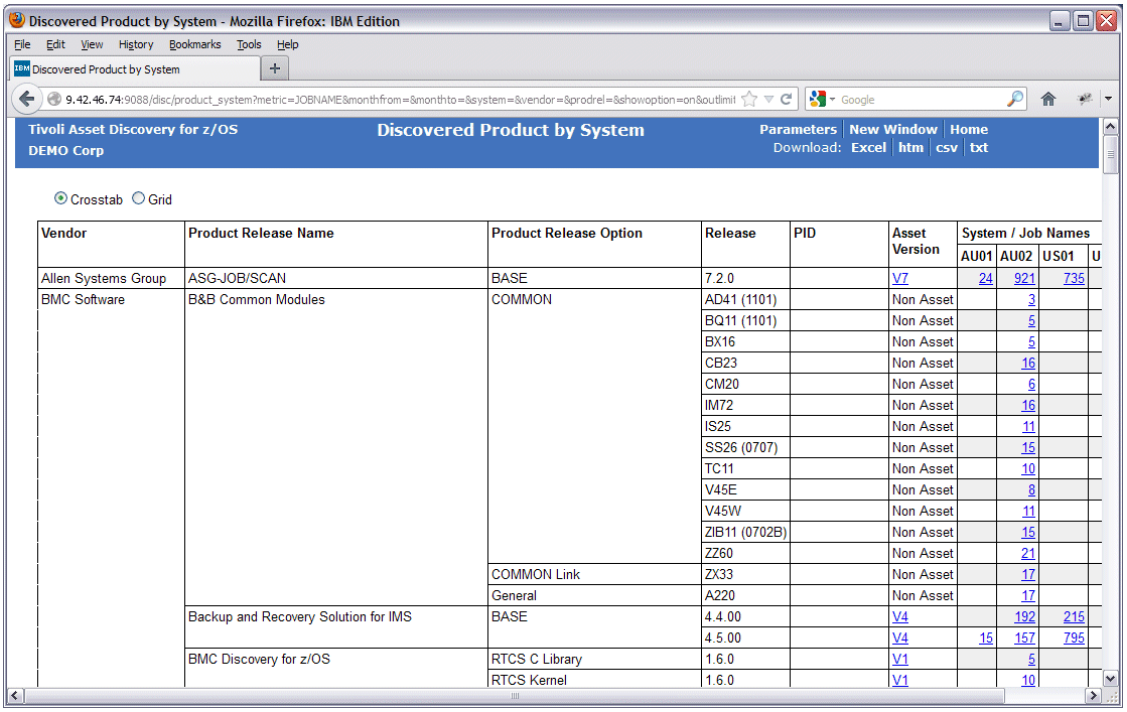
Crosstab / Grid

Vendor	Product Release Name	Release	PID	Asset Version	System / Users				
					AU01	AU02	US01	US02	US03
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	18	706	649	54	36
BMC Software	B&B Common Modules	AD41 (1101)		Non Asset		2			
		A220		Non Asset		17			
		BQ11 (1101)		Non Asset		5			
		BX16		Non Asset		5			
		CB23		Non Asset		16			
		CM20		Non Asset		6			
		IM72		Non Asset		16			
		IS25		Non Asset		11			
		SS26 (0707)		Non Asset		14			
		TC11		Non Asset		10			
		V45E		Non Asset		8			
		V45W		Non Asset		11			
		ZIB11 (0702B)		Non Asset		15			
		ZX33		Non Asset		12			
		ZZ60		Non Asset		16			
	Backup and Recovery Solution for IMS	4.4.00		V4		71	5	8	4
		4.5.00		V4	8	66	22	12	8
	BMC Discovery for z/OS	1.6.0		V1		10			
	BMC Password Security System	3.2.1		Non Asset		12	3		

The output above shows the unique Users who accessed the products in the selected Repository.

Sample Output Job Name Count Metric:



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Discovered Product by System

9.42.46.74:9088/disc/product_system?metric=JOBNAME&monthfrom=&monthto=&system=&vendor=&prodrel=&showoption=on&outlimit

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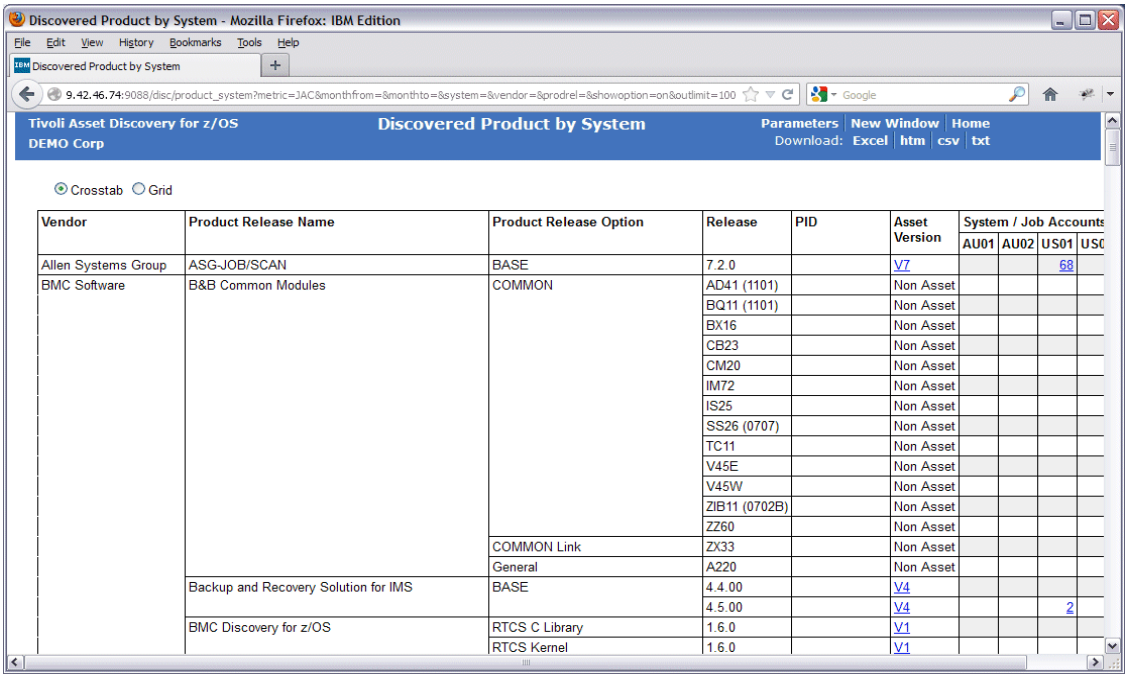
Crosstab Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Job Names			
						AU01	AU02	US01	U
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	24	921	735	
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset		3		
			BQ11 (1101)		Non Asset		5		
			BX16		Non Asset		5		
			CB23		Non Asset		16		
			CM20		Non Asset		6		
			IM72		Non Asset		16		
			IS25		Non Asset		11		
			SS26 (0707)		Non Asset		15		
			TC11		Non Asset		10		
			V45E		Non Asset		8		
			V45W		Non Asset		11		
			ZIB11 (0702B)		Non Asset		15		
			ZZ60		Non Asset		21		
		COMMON Link	ZX33		Non Asset		17		
		General	A220		Non Asset		17		
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4		192	215	
			4.5.00		V4	15	157	795	
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1		5		
		RTCS Kernel	1.6.0		V1		10		

The output above shows the unique Job Names who accessed the products in the selected Repository.

Sample Output Job Account Count Metric:



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Discovered Product by System

9.42.46.74:9088/disc/product_system?metric=JAC&monthfrom=&monthto=&system=&vendor=&prodrel=&showoption=on&outlimit=100

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Discovered Product by System

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Crosstab Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System / Job Accounts			
						AU01	AU02	US01	US0
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7			68	
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset				
			BQ11 (1101)		Non Asset				
			BX16		Non Asset				
			CB23		Non Asset				
			CM20		Non Asset				
			IM72		Non Asset				
			IS25		Non Asset				
			SS26 (0707)		Non Asset				
			TC11		Non Asset				
			V45E		Non Asset				
			V45W		Non Asset				
			ZIB11 (0702B)		Non Asset				
			ZZ60		Non Asset				
		COMMON Link	ZX33		Non Asset				
		General	A220		Non Asset				
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4				
			4.5.00		V4			2	
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1				
		RTCS Kernel	1.6.0		V1				

The output above shows the unique Job Accounts who accessed the products in the selected Repository.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
System	The System the product was discovered on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The date the product was last observed during an IQ scan
Last Used	The date the product was last executed
Module Events	How many events (load module executions) were record against the product for the shown month
User id count	The number of unique users per month
Job Name count	The number of unique Job names per month
Job Account count	The number of unique Job accounts per month

Links to drilldown reports

- Asset Version: Product Inventory
- Discovered Installed and Last Observed: Product Libraries
- Last Used, Module Events, User ID Count, Job Name Count, Job Account Count: Product Library Usage

Discovered Product by Sysplex report

The Discovered Product by Sysplex report provides a summary of discovered products by Sysplex

Batch report query

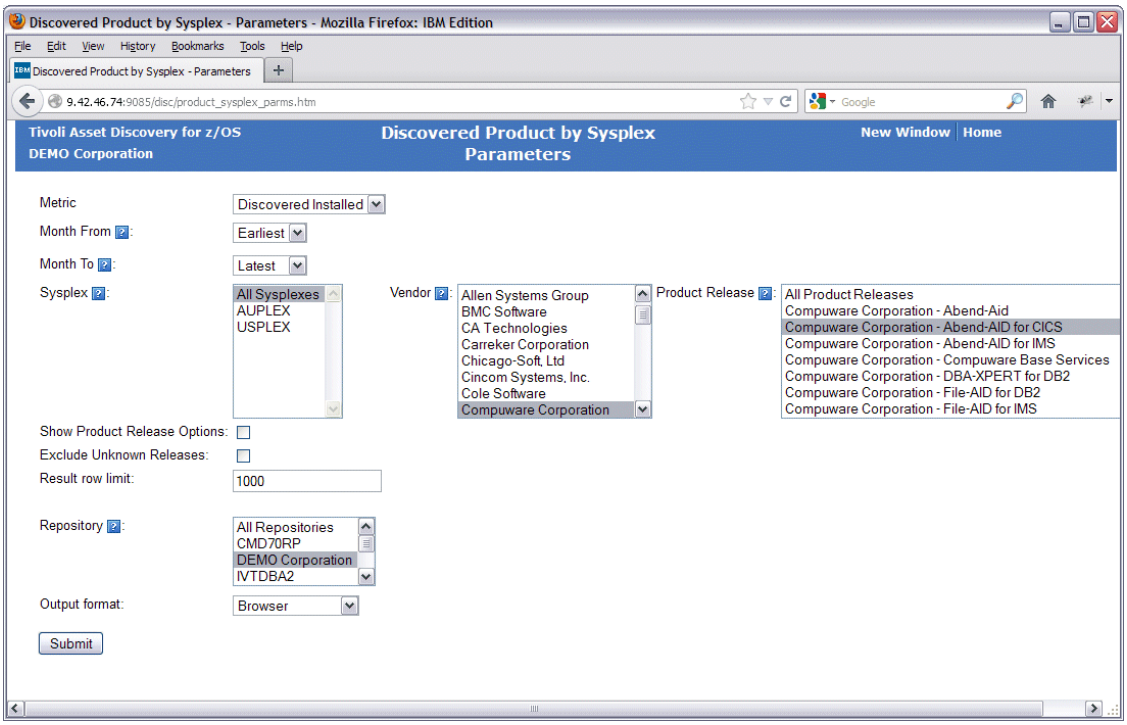
/disc/product_sysplex
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
sysplex = <*sysplex*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Sysplex	sysplex = <sysplex> To select multiple	Yes	In batch mode, if you do not specify a sysplex, all sysplexes are included in the

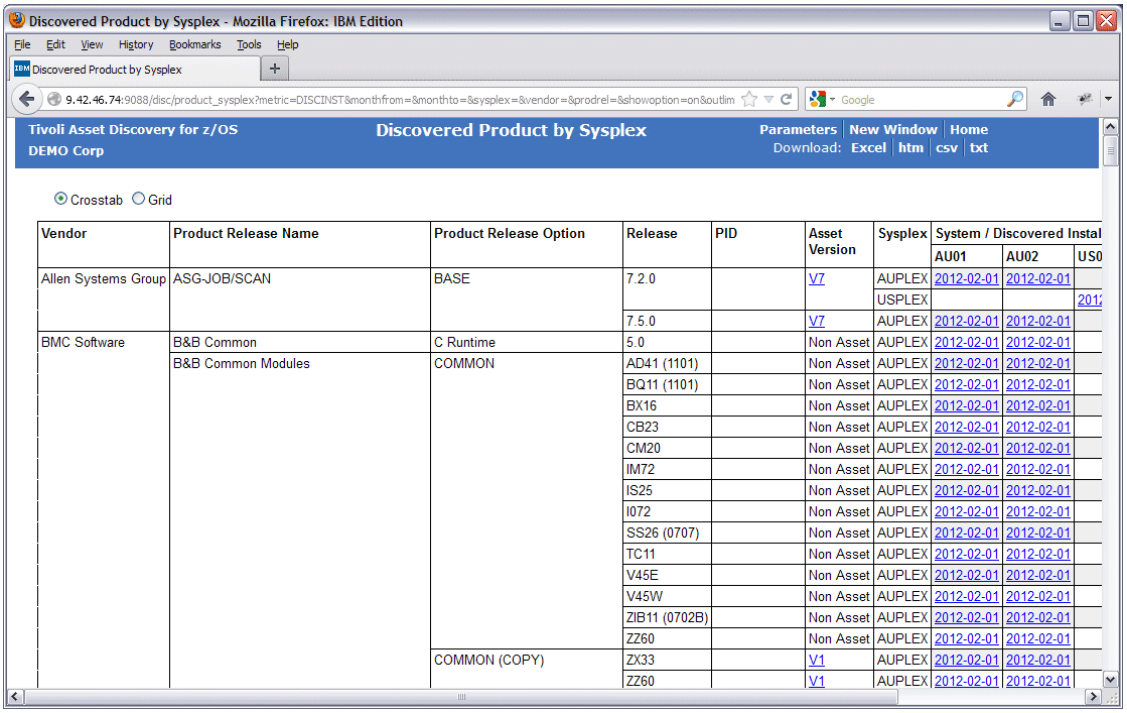
Online parameter	Batch mode parameter	Optional	Description
	sysplexes, repeat the line for each additional sysplex.		report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report groups product information by Sysplex. Any counts shown will be summed counts for all Systems in the Sysplex.

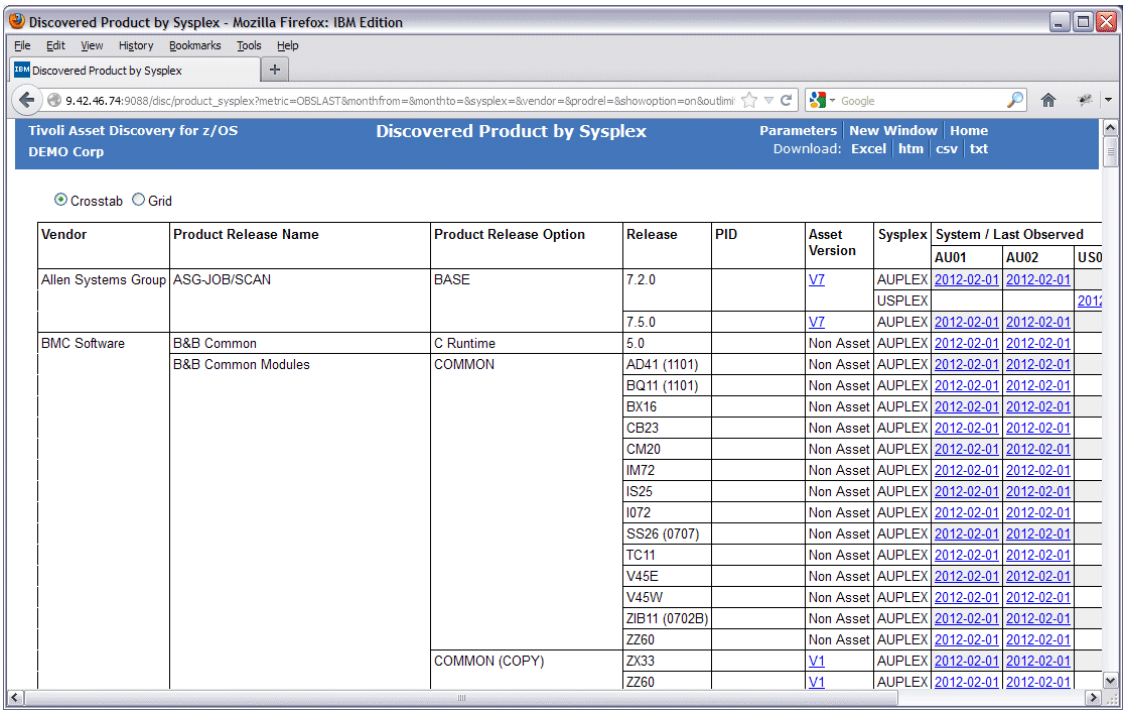
Sample Output Discovered Installed Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Discovered Instal		
							AU01	AU02	US0
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	2012-02-01	2012-02-01	
						USPLEX			201
			7.5.0		V7	AUPLEX	2012-02-01	2012-02-01	
BMC Software	B&B Common	C Runtime	5.0		Non Asset	AUPLEX	2012-02-01	2012-02-01	
	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			BQ11 (1101)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			BX16		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			CB23		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			CM20		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			IM72		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			IS25		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			I072		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			SS26 (0707)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			TC11		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			V45E		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			V45W		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			ZIB11 (0702B)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			ZZ60		Non Asset	AUPLEX	2012-02-01	2012-02-01	
		COMMON (COPY)	ZX33		V1	AUPLEX	2012-02-01	2012-02-01	
			ZZ60		V1	AUPLEX	2012-02-01	2012-02-01	

The output above shows the Discovered Installed date for the products in the selected Sysplex.

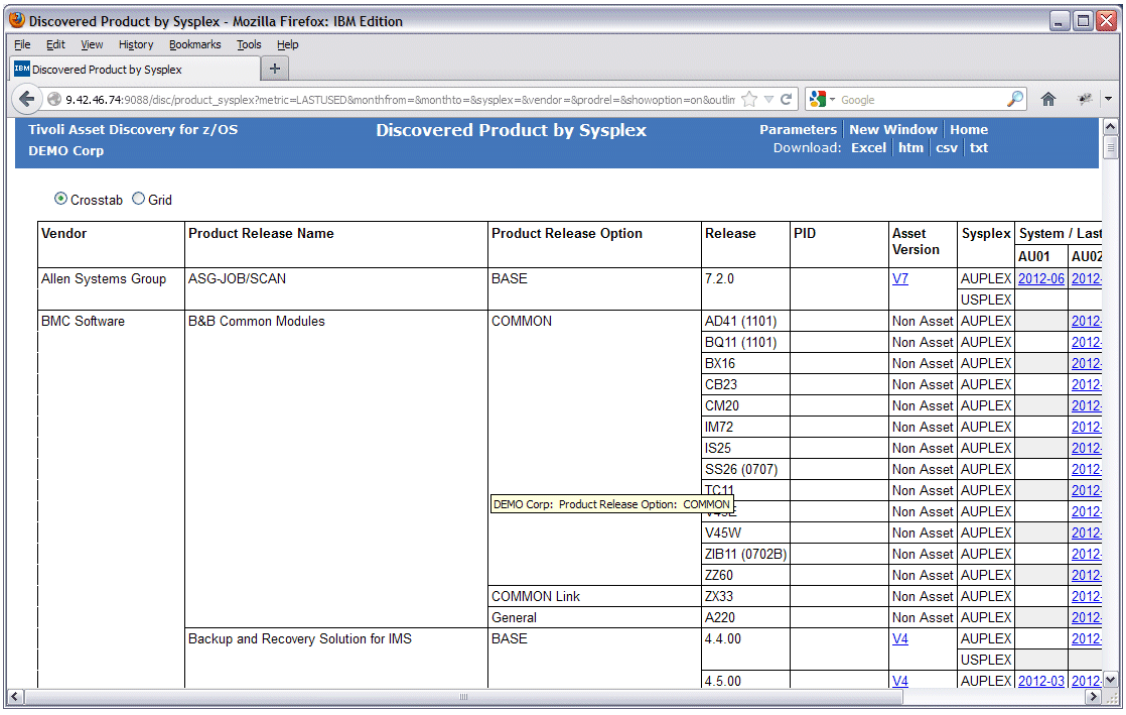
Sample Output Last Observed Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Last Observed		
							AU01	AU02	US0
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	2012-02-01	2012-02-01	
						USPLEX			201
			7.5.0		V7	AUPLEX	2012-02-01	2012-02-01	
BMC Software	B&B Common	C Runtime	5.0		Non Asset	AUPLEX	2012-02-01	2012-02-01	
	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			BQ11 (1101)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			BX16		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			CB23		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			CM20		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			IM72		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			IS25		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			I072		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			SS26 (0707)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			TC11		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			V45E		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			V45W		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			ZIB11 (0702B)		Non Asset	AUPLEX	2012-02-01	2012-02-01	
			ZZ60		Non Asset	AUPLEX	2012-02-01	2012-02-01	
		COMMON (COPY)	ZX33		V1	AUPLEX	2012-02-01	2012-02-01	
			ZZ60		V1	AUPLEX	2012-02-01	2012-02-01	

The output above shows the Last Observed date for the products in the selected Sysplex.

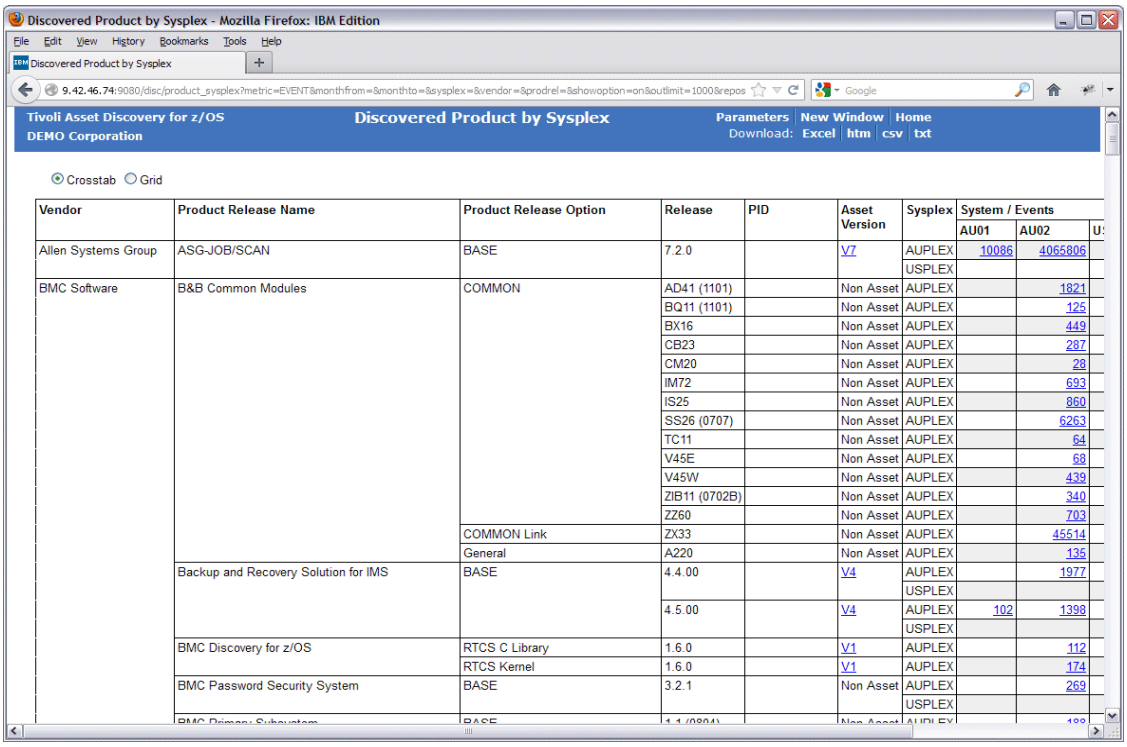
Sample Output Last Used Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Last	
							AU01	AU02
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	2012-06	2012
						USPLEX		
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX		2012
			BQ11 (1101)		Non Asset	AUPLEX		2012
			BX16		Non Asset	AUPLEX		2012
			CB23		Non Asset	AUPLEX		2012
			CM20		Non Asset	AUPLEX		2012
			IM72		Non Asset	AUPLEX		2012
			IS25		Non Asset	AUPLEX		2012
			SS26 (0707)		Non Asset	AUPLEX		2012
			TC11		Non Asset	AUPLEX		2012
			[illegible]		Non Asset	AUPLEX		2012
			V45W		Non Asset	AUPLEX		2012
			ZIB11 (0702B)		Non Asset	AUPLEX		2012
			ZZ60		Non Asset	AUPLEX		2012
		COMMON Link	ZX33		Non Asset	AUPLEX		2012
		General	A220		Non Asset	AUPLEX		2012
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	AUPLEX		2012
						USPLEX		
			4.5.00		V4	AUPLEX	2012-03	2012

The output above shows the Last Used date for the products in the selected Sysplex.

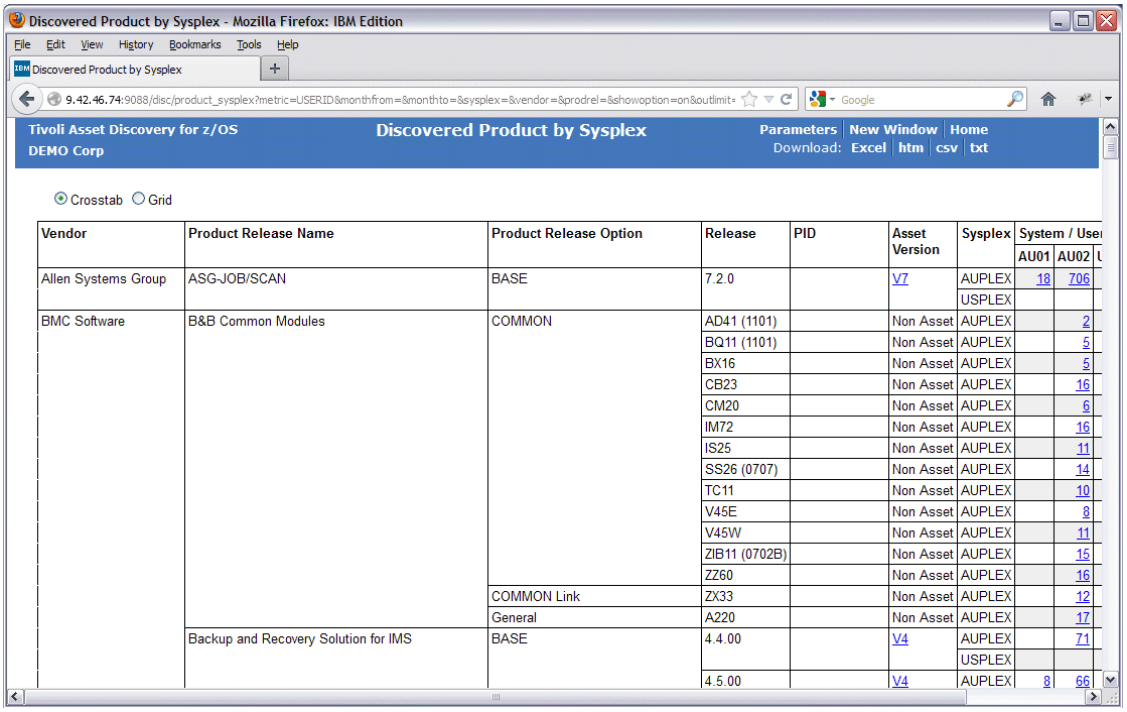
Sample Output Module Events Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Events AU01	AU02
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	10086	4065806
						USPLEX		
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX		1821
			BQ11 (1101)		Non Asset	AUPLEX		125
			BX16		Non Asset	AUPLEX		449
			CB23		Non Asset	AUPLEX		287
			CM20		Non Asset	AUPLEX		28
			IM72		Non Asset	AUPLEX		693
			IS25		Non Asset	AUPLEX		860
			SS26 (0707)		Non Asset	AUPLEX		6263
			TC11		Non Asset	AUPLEX		64
			V45E		Non Asset	AUPLEX		68
			V45W		Non Asset	AUPLEX		439
			ZIB11 (0702B)		Non Asset	AUPLEX		340
			ZZ60		Non Asset	AUPLEX		703
		COMMON Link	ZX33		Non Asset	AUPLEX		45514
		General	A220		Non Asset	AUPLEX		135
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	AUPLEX		1977
						USPLEX		
			4.5.00		V4	AUPLEX	102	1398
						USPLEX		
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1	AUPLEX		112
		RTCS Kernel	1.6.0		V1	AUPLEX		174
	BMC Password Security System	BASE	3.2.1		Non Asset	AUPLEX		269
						USPLEX		

The output above shows the Module Events for the products in the selected Sysplex.

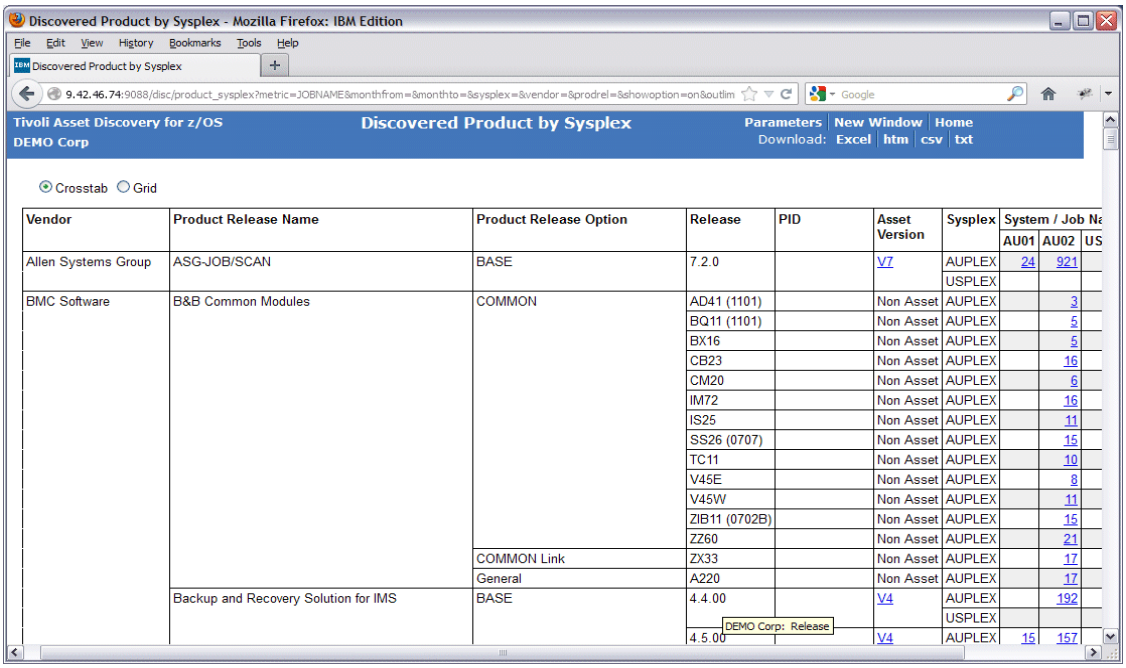
Sample Output User Id Count Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Use AU01	AU02
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	18	706
						USPLEX		
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX		2
			BQ11 (1101)		Non Asset	AUPLEX		5
			BX16		Non Asset	AUPLEX		5
			CB23		Non Asset	AUPLEX		16
			CM20		Non Asset	AUPLEX		6
			IM72		Non Asset	AUPLEX		16
			IS25		Non Asset	AUPLEX		11
			SS26 (0707)		Non Asset	AUPLEX		14
			TC11		Non Asset	AUPLEX		10
			V45E		Non Asset	AUPLEX		8
			V45W		Non Asset	AUPLEX		11
			ZIB11 (0702B)		Non Asset	AUPLEX		15
			ZZ60		Non Asset	AUPLEX		16
		COMMON Link	ZX33		Non Asset	AUPLEX		12
		General	A220		Non Asset	AUPLEX		17
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	AUPLEX		71
						USPLEX		
			4.5.00		V4	AUPLEX	8	66

The output above shows the unique Users who accessed the products in the selected Sysplex.

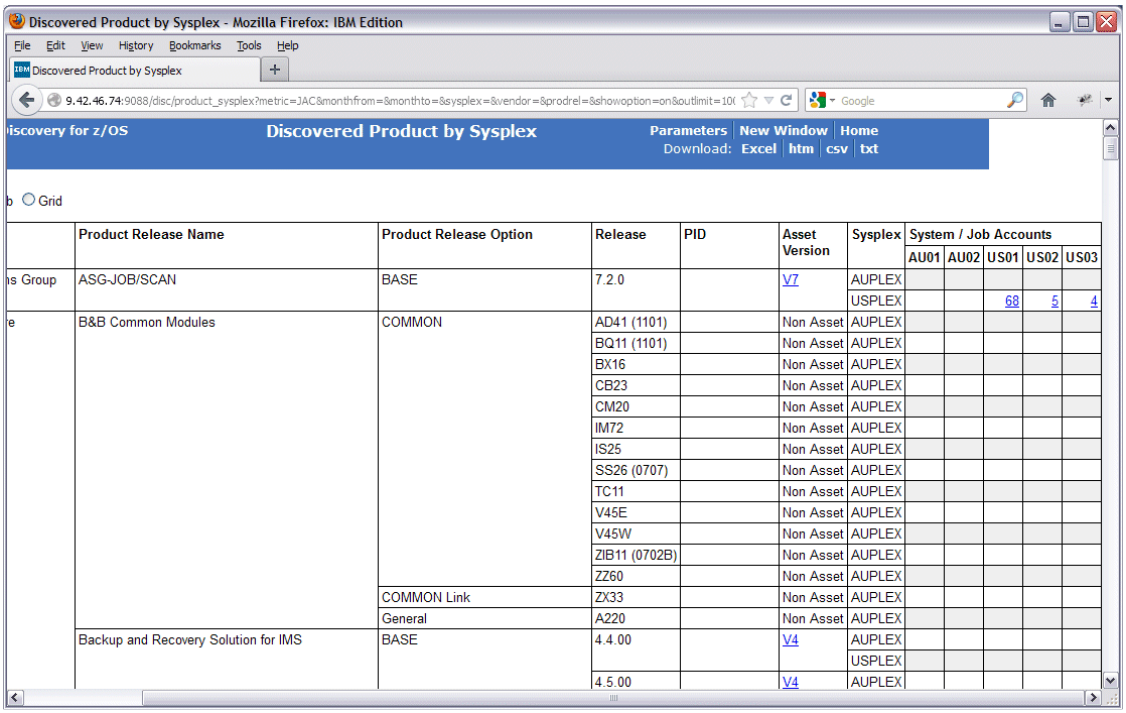
Sample Output Job Name Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Job Na		
							AU01	AU02	US
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX	24	921	
						USPLEX			
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX		3	
			BQ11 (1101)		Non Asset	AUPLEX		5	
			BX16		Non Asset	AUPLEX		5	
			CB23		Non Asset	AUPLEX		16	
			CM20		Non Asset	AUPLEX		6	
			IM72		Non Asset	AUPLEX		16	
			IS25		Non Asset	AUPLEX		11	
			SS26 (0707)		Non Asset	AUPLEX		15	
			TC11		Non Asset	AUPLEX		10	
			V45E		Non Asset	AUPLEX		8	
			V45W		Non Asset	AUPLEX		11	
			ZIB11 (0702B)		Non Asset	AUPLEX		15	
			ZZ60		Non Asset	AUPLEX		21	
		COMMON Link	ZX33		Non Asset	AUPLEX		17	
		General	A220		Non Asset	AUPLEX		17	
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	AUPLEX		192	
						USPLEX			
			4.5.00		V4	AUPLEX	15	157	

The output above shows the unique Job Names who accessed the products in the selected Sysplex.

Sample Output Job Account Count Metric:



	Product Release Name	Product Release Option	Release	PID	Asset Version	Sysplex	System / Job Accounts				
							AU01	AU02	US01	US02	US03
s Group	ASG-JOB/SCAN	BASE	7.2.0		V7	AUPLEX					
						USPLEX			68	5	4
e	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	AUPLEX					
			BQ11 (1101)		Non Asset	AUPLEX					
			BX16		Non Asset	AUPLEX					
			CB23		Non Asset	AUPLEX					
			CM20		Non Asset	AUPLEX					
			IM72		Non Asset	AUPLEX					
			IS25		Non Asset	AUPLEX					
			SS26 (0707)		Non Asset	AUPLEX					
			TC11		Non Asset	AUPLEX					
			V45E		Non Asset	AUPLEX					
			V45W		Non Asset	AUPLEX					
			ZIB11 (0702B)		Non Asset	AUPLEX					
			ZZ60		Non Asset	AUPLEX					
		COMMON Link	ZX33		Non Asset	AUPLEX					
		General	A220		Non Asset	AUPLEX					
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	AUPLEX					
						USPLEX					
			4.5.00		V4	AUPLEX					

The output above shows the unique Job Accounts who accessed the products in the selected Sysplex.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Sysplex	The Sysplex the product was discovered on
System	The System the product was discovered on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The date the product was last observed during an IQ scan
Last Used	The date the product was last executed
Module Events	How many events (load module executions) were record against the product for the shown month
User id count	The number of unique users per month
Job Name count	The number of unique Job names per month
Job Account count	The number of unique Job accounts per month

Links to drilldown reports

- Asset: Product Inventory
- Discovered Installed and Last Observed: Product Libraries
- Last Used, Module Events, User ID Count, Job Name Count, Job Account Count: Product Library Usage

Discovered Product by System Group report

The Discovered Product by System Group report provides a summary of discovered products by system group.

Batch report query

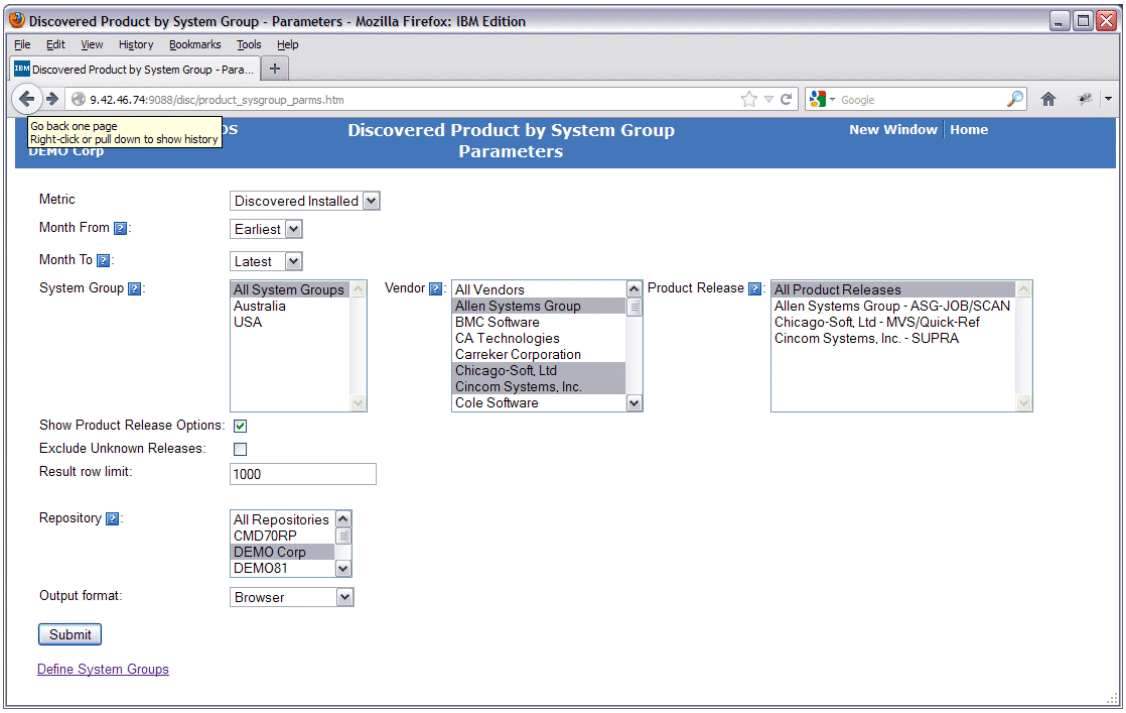
/disc/product_sysgroup
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
sysgroup = <*sysgroup*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System Group	sysgroup = <*sysgroup*> To select multiple	Yes	In batch mode, if you do not specify a system group, all system groups are included

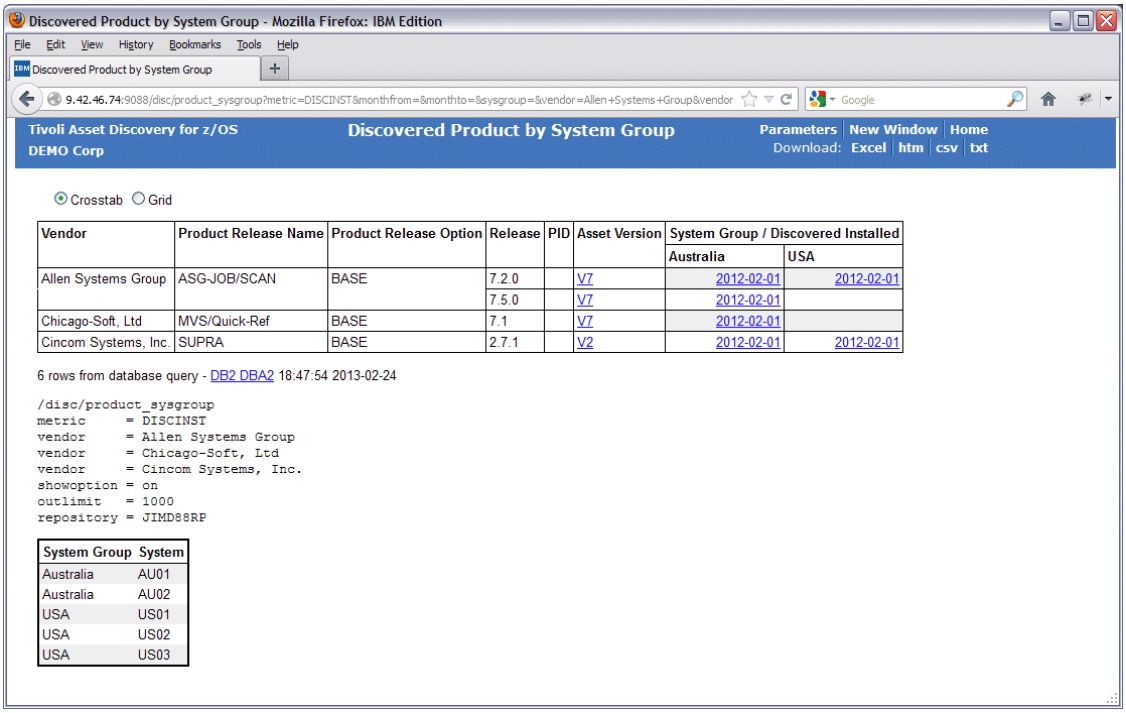
Online parameter	Batch mode parameter	Optional	Description
	system groups, repeat the line for each additional system group.		in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The System Group report allows you to group together multiple systems under a single entity that you can then report on in a single report.

Sample Output Discovered Installed Metric:

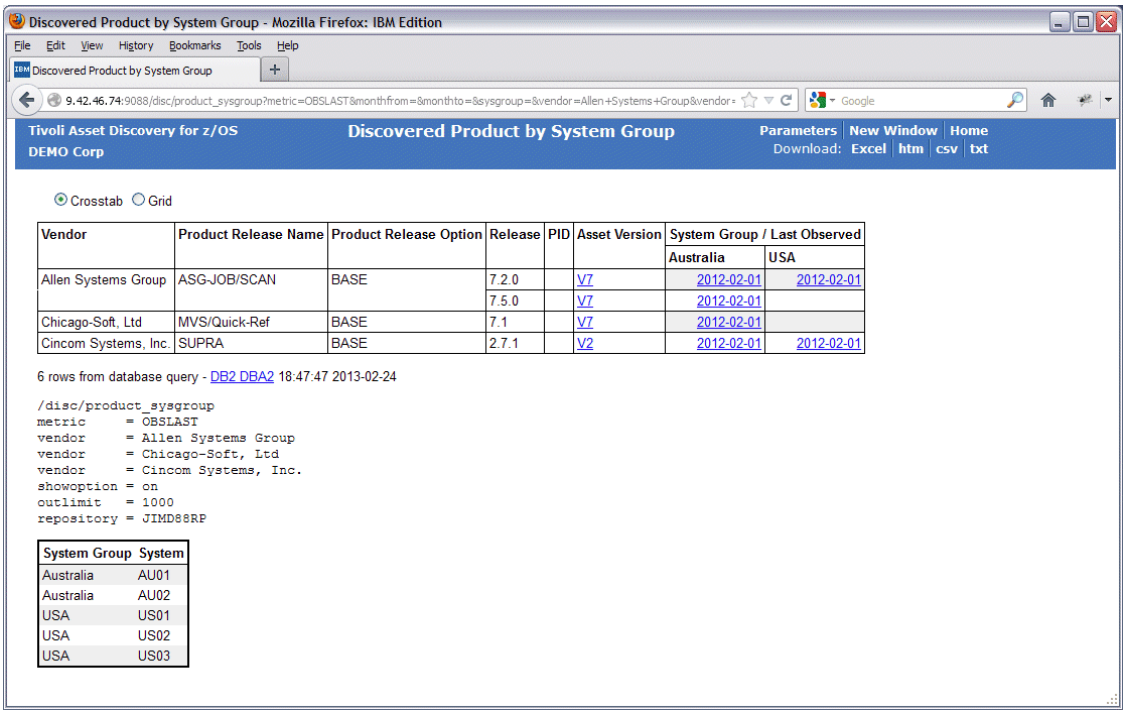


Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System Group / Discovered Installed	
						Australia	USA
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-02-01	2012-02-01
			7.5.0		V7	2012-02-01	
Chicago-Soft, Ltd	MVS/Quick-Ref	BASE	7.1		V7	2012-02-01	
Cincom Systems, Inc.	SUPRA	BASE	2.7.1		V2	2012-02-01	2012-02-01

System Group	System
Australia	AU01
Australia	AU02
USA	US01
USA	US02
USA	US03

The output above shows the Discovered Installed dates for the products in the selected System Group.

Sample Output Last Observed Metric:

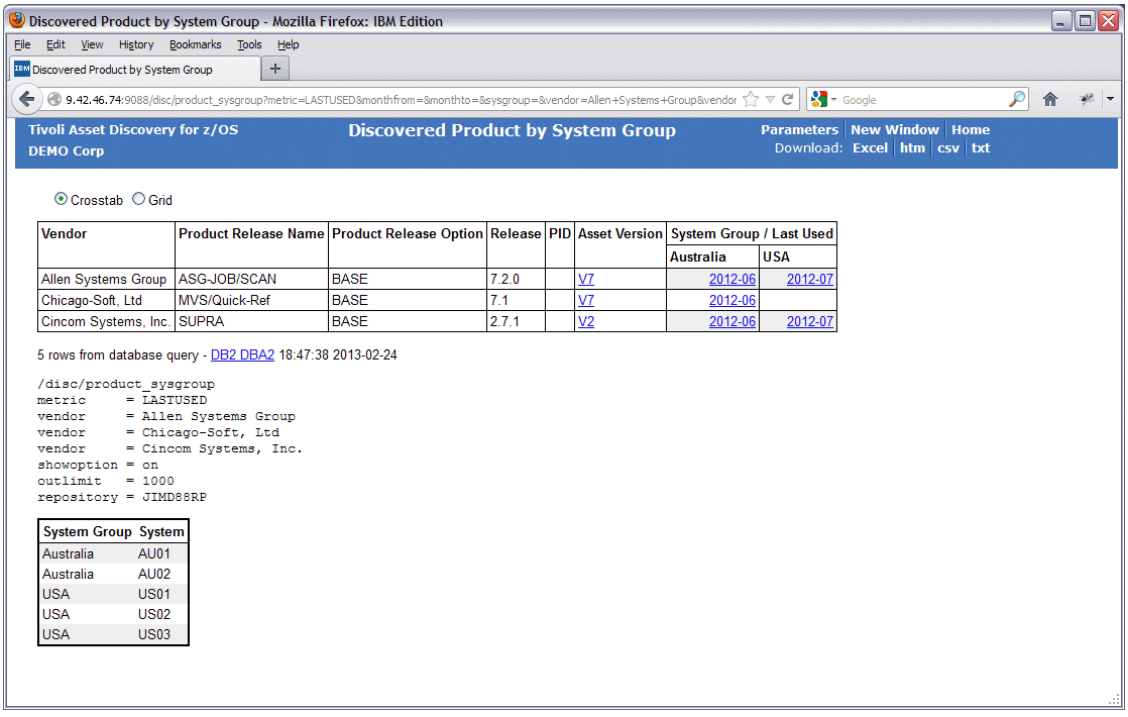


Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System Group / Last Observed	
						Australia	USA
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-02-01	2012-02-01
			7.5.0		V7	2012-02-01	
Chicago-Soft, Ltd	MVS/Quick-Ref	BASE	7.1		V7	2012-02-01	
Cincom Systems, Inc.	SUPRA	BASE	2.7.1		V2	2012-02-01	2012-02-01

System Group	System
Australia	AU01
Australia	AU02
USA	US01
USA	US02
USA	US03

The output above shows the Last Observed dates for the products in the selected System Group.

Sample Output Last Used Metric:

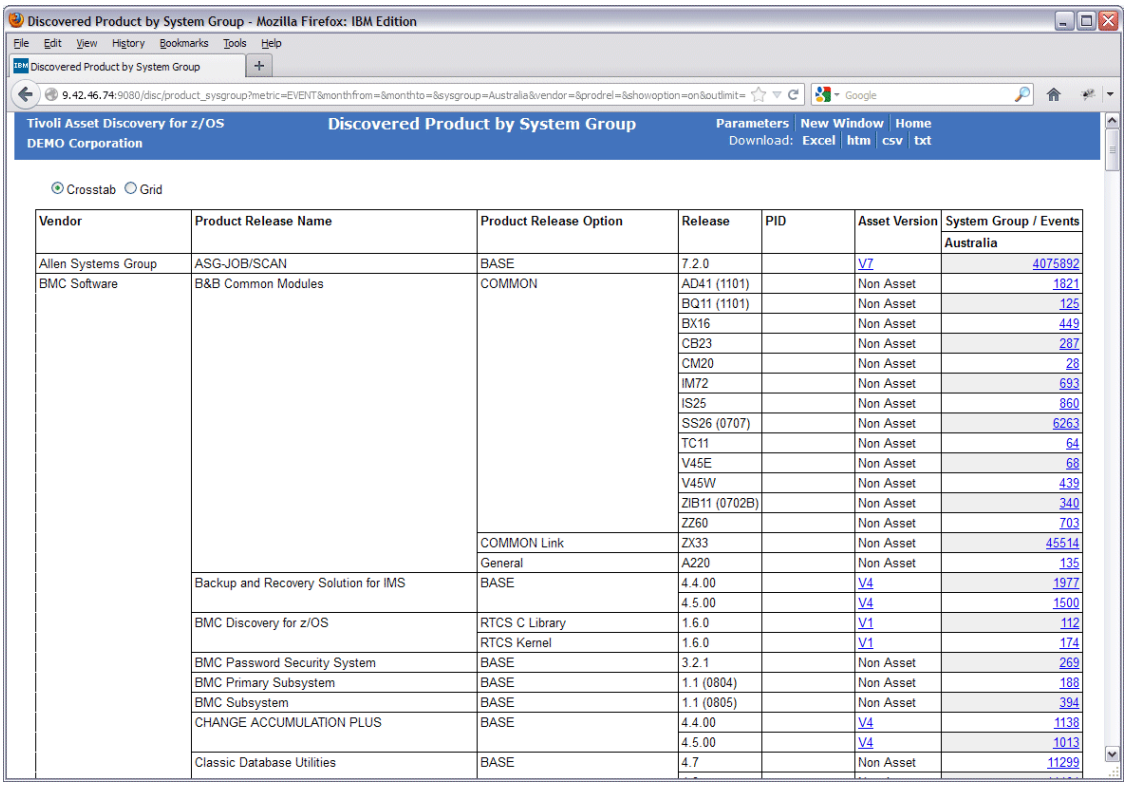


Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System Group / Last Used	
						Australia	USA
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	2012-06	2012-07
Chicago-Soft, Ltd	MVS/Quick-Ref	BASE	7.1		V7	2012-06	
Cincom Systems, Inc.	SUPRA	BASE	2.7.1		V2	2012-06	2012-07

System Group	System
Australia	AU01
Australia	AU02
USA	US01
USA	US02
USA	US03

This report shows the last time the product was used in the System Group.

Sample Output Module Events Metric:



Discovered Product by System Group - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corporation

Discovered Product by System Group

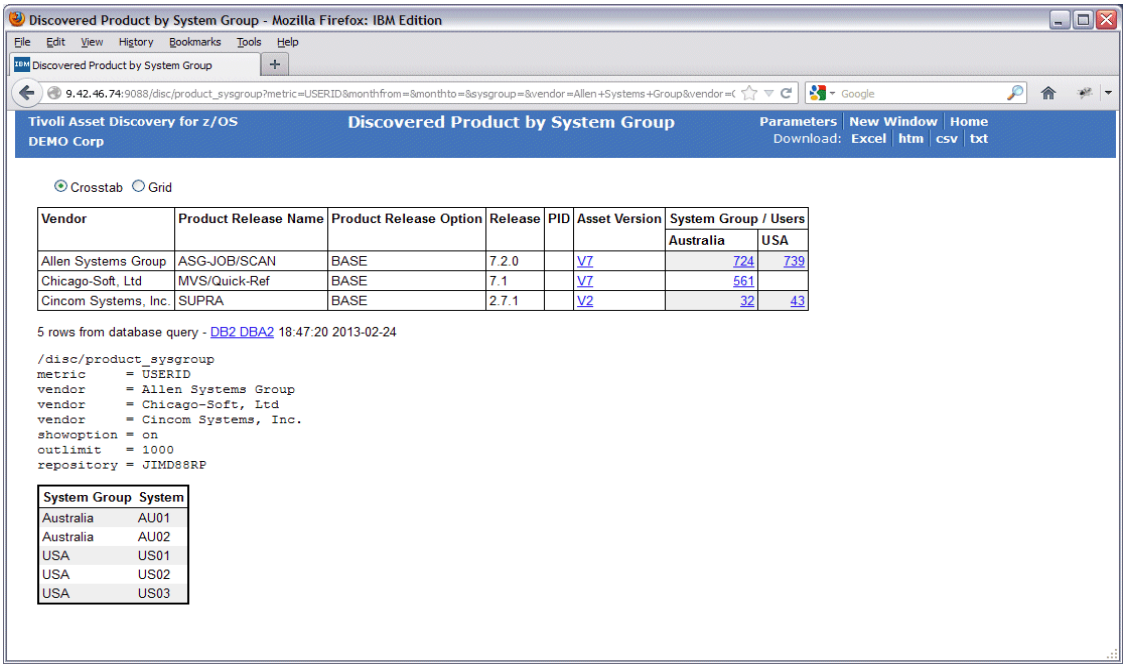
Parameters | New Window | Home
Download: Excel | htm | csv | txt

Crosstab / Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System Group / Events
						Australia
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	4075892
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		Non Asset	1821
			BQ11 (1101)		Non Asset	125
			BX16		Non Asset	449
			CB23		Non Asset	287
			CM20		Non Asset	28
			IM72		Non Asset	693
			IS25		Non Asset	860
			SS26 (0707)		Non Asset	6263
			TC11		Non Asset	64
			V45E		Non Asset	68
			V45W		Non Asset	439
			ZIB11 (0702B)		Non Asset	340
			ZZ60		Non Asset	703
		COMMON Link	ZX33		Non Asset	45514
		General	A220		Non Asset	135
	Backup and Recovery Solution for IMS	BASE	4.4.00		V4	1977
			4.5.00		V4	1500
	BMC Discovery for z/OS	RTCS C Library	1.6.0		V1	112
		RTCS Kernel	1.6.0		V1	174
	BMC Password Security System	BASE	3.2.1		Non Asset	269
	BMC Primary Subsystem	BASE	1.1 (0804)		Non Asset	188
	BMC Subsystem	BASE	1.1 (0805)		Non Asset	394
	CHANGE ACCUMULATION PLUS	BASE	4.4.00		V4	1138
			4.5.00		V4	1013
	Classic Database Utilities	BASE	4.7		Non Asset	11299

The output above shows the Module Events for the products in the selected System Group.

Sample Output User Id Count Metric:



Discovered Product by System Group - Mozilla Firefox: IBM Edition

Tivoli Asset Discovery for z/OS
DEMO Corp

Discovered Product by System Group

Parameters | New Window | Home
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Crosstab / Grid

Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	System Group / Users	
						Australia	USA
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		V7	724	739
Chicago-Soft, Ltd	MVS/Quick-Ref	BASE	7.1		V7	561	
Cincom Systems, Inc.	SUPRA	BASE	2.7.1		V2	32	43

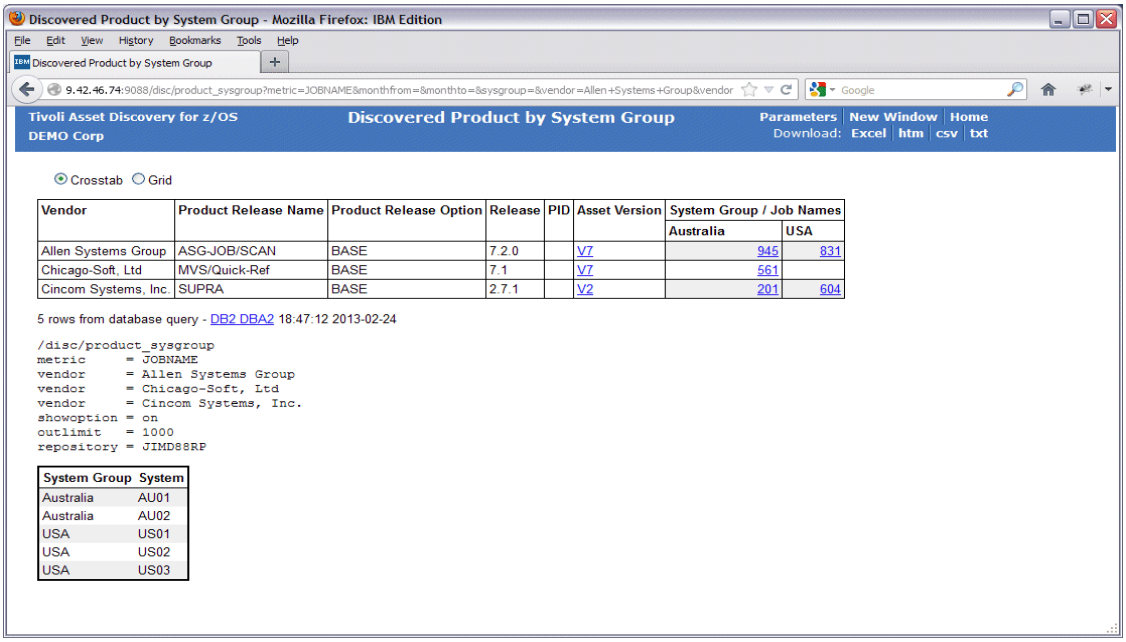
5 rows from database query - DB2 DBA2 18:47:20 2013-02-24

```
/disc/product_sysgroup
metric     = USERID
vendor     = Allen Systems Group
vendor     = Chicago-Soft, Ltd
vendor     = Cincom Systems, Inc.
showoption = on
outlimit   = 1000
repository = JIMD88RP
```

System Group	System
Australia	AU01
Australia	AU02
USA	US01
USA	US02
USA	US03

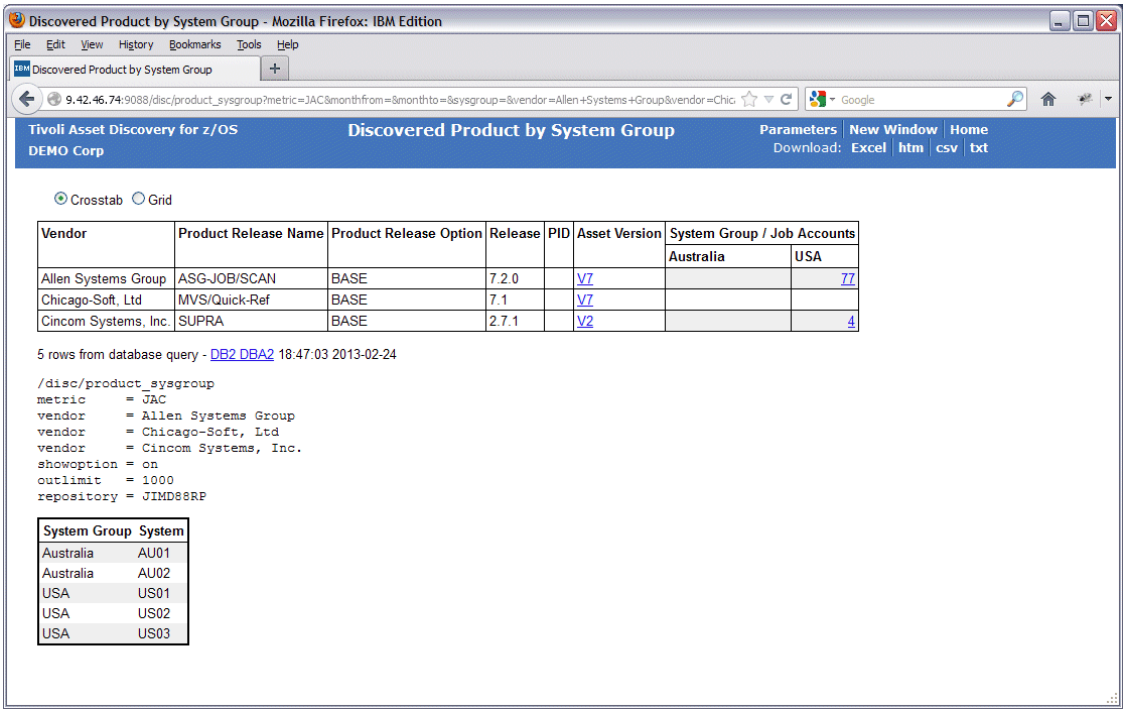
The output above shows the Unique Users who accessed the products in the selected System Group.

Sample Output Job Names Count Metric:



The output above shows the Job Names who accessed the products in the selected System Group.

Sample Output Job Account Counts Metric:



The output above shows the Unique Job Accounts who accessed the products in the selected System Group.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
System Group	The System Group the product was discovered on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The date the product was last observed during an IQ scan
Last Used	The date the product was last executed
Module Events	How many events (load module executions) were record against the product for the shown month
User id count	The number of unique users per month
Job Name count	The number of unique Job names per month
Job Account count	The number of unique Job accounts per month

Links to drilldown reports

- Discovered Installed and Last Observed: Product Libraries
- Asset Version: Product Inventory
- Last Used, Module Events, User ID Count, Job Name Count, Job Account Count: Product Library Usage

Discovered Product by Repository report

The Discovered Product by Repository report provides a summary of discovered products by repository.

Batch report query

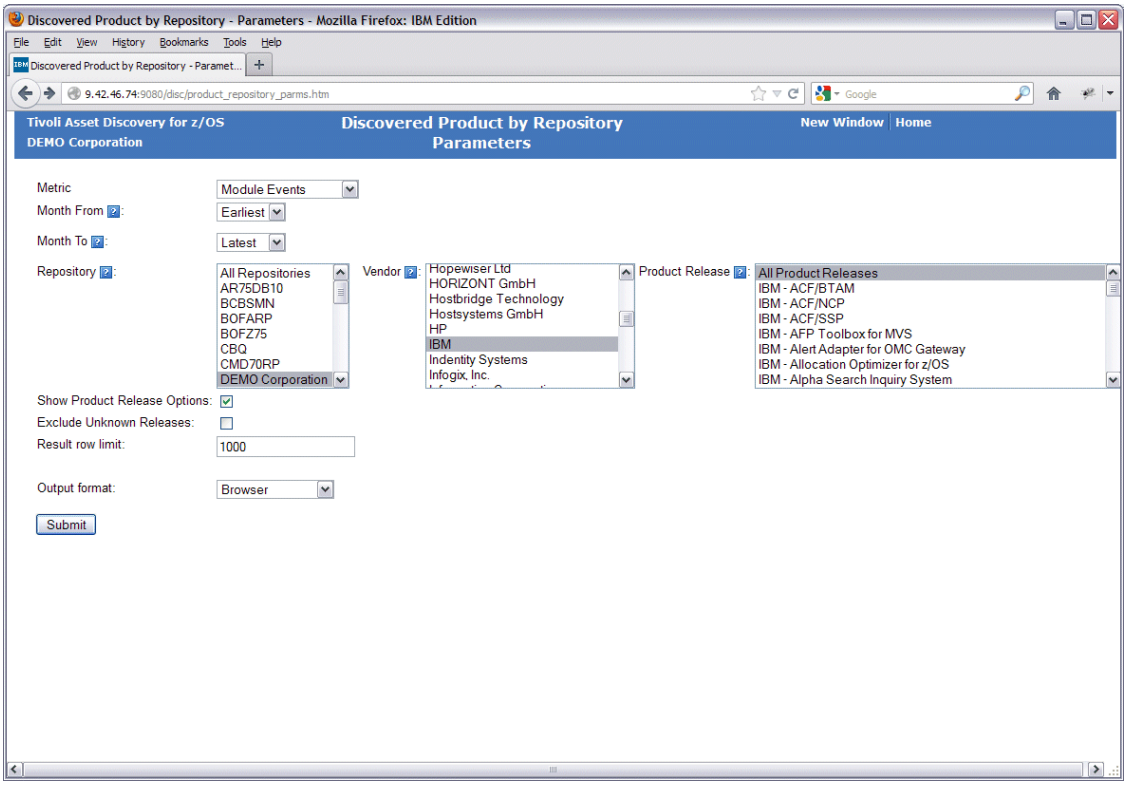
/disc/product_repository
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
multirep = *&REPZSCHM*
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • OBSLAST: Show last observed date. • LASTUSED: Show last used month. • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Repository	multirep = *&REPZSCHM* To select multiple	No	The name of the repository to query. In batch mode, if you do not

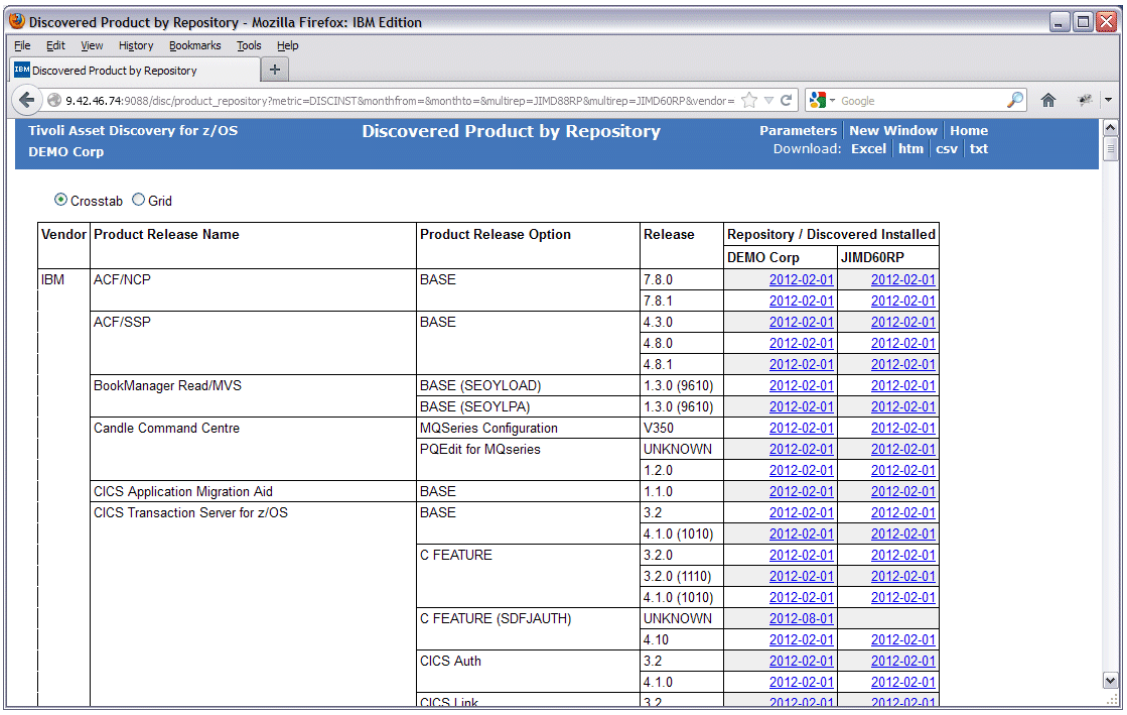
Online parameter	Batch mode parameter	Optional	Description
	repositories, repeat the line for each additional repository.		specify a repository, only the first repository is included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	product = <*prodrel*> To select multiple products releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.

Sample Parameters:



If you have multiple Repositories there will be times when you want to see where a product has been installed or used across multiple Repositories. This report will provide you with this information.

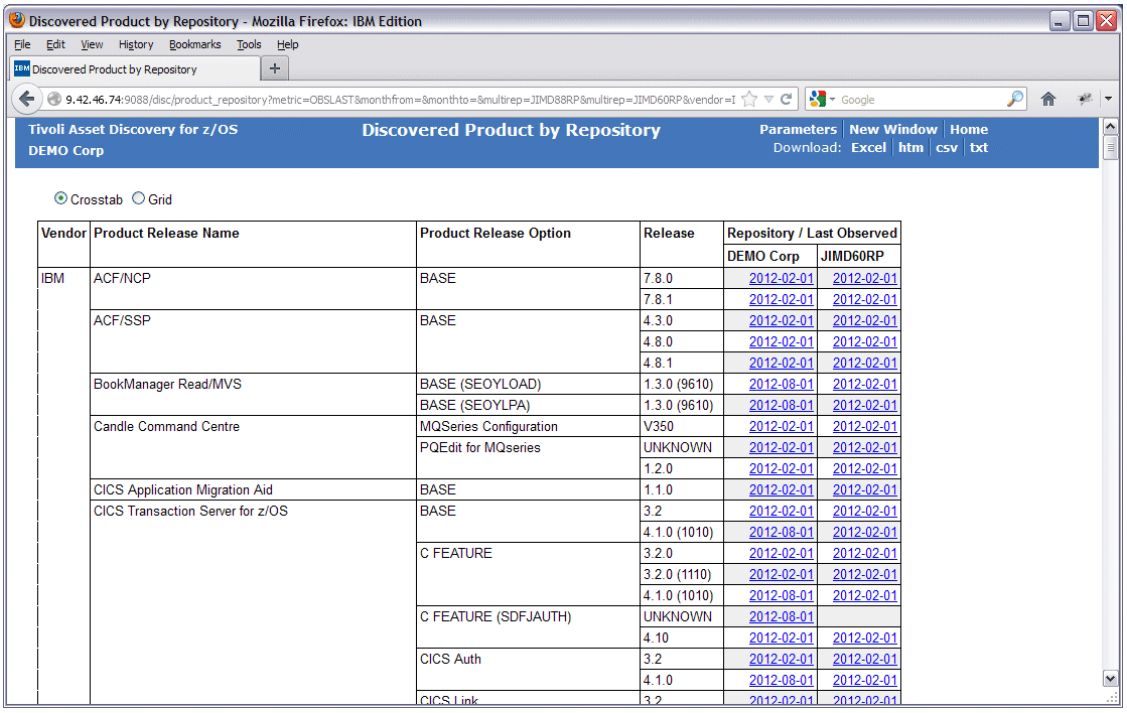
Sample Output Discovered Installed Metric:



Vendor	Product Release Name	Product Release Option	Release	Repository / Discovered Installed	
				DEMO Corp	JIMD60RP
IBM	ACF/NCP	BASE	7.8.0	2012-02-01	2012-02-01
			7.8.1	2012-02-01	2012-02-01
	ACF/SSP	BASE	4.3.0	2012-02-01	2012-02-01
			4.8.0	2012-02-01	2012-02-01
			4.8.1	2012-02-01	2012-02-01
	BookManager Read/MVS	BASE (SEOYLOAD)	1.3.0 (9610)	2012-02-01	2012-02-01
		BASE (SEOYLPA)	1.3.0 (9610)	2012-02-01	2012-02-01
	Candle Command Centre	MQSeries Configuration	V350	2012-02-01	2012-02-01
		PQEdit for MQseries	UNKNOWN	2012-02-01	2012-02-01
			1.2.0	2012-02-01	2012-02-01
	CICS Application Migration Aid	BASE	1.1.0	2012-02-01	2012-02-01
	CICS Transaction Server for z/OS	BASE	3.2	2012-02-01	2012-02-01
			4.1.0 (1010)	2012-02-01	2012-02-01
		C FEATURE	3.2.0	2012-02-01	2012-02-01
			3.2.0 (1110)	2012-02-01	2012-02-01
			4.1.0 (1010)	2012-02-01	2012-02-01
		C FEATURE (SDFJAUTH)	UNKNOWN	2012-08-01	
			4.10	2012-02-01	2012-02-01
		CICS Auth	3.2	2012-02-01	2012-02-01
			4.1.0	2012-02-01	2012-02-01
		CICS Link	3.2	2012-02-01	2012-02-01

The output above shows the Discovered Installed dates of the products in the selected Repositories.

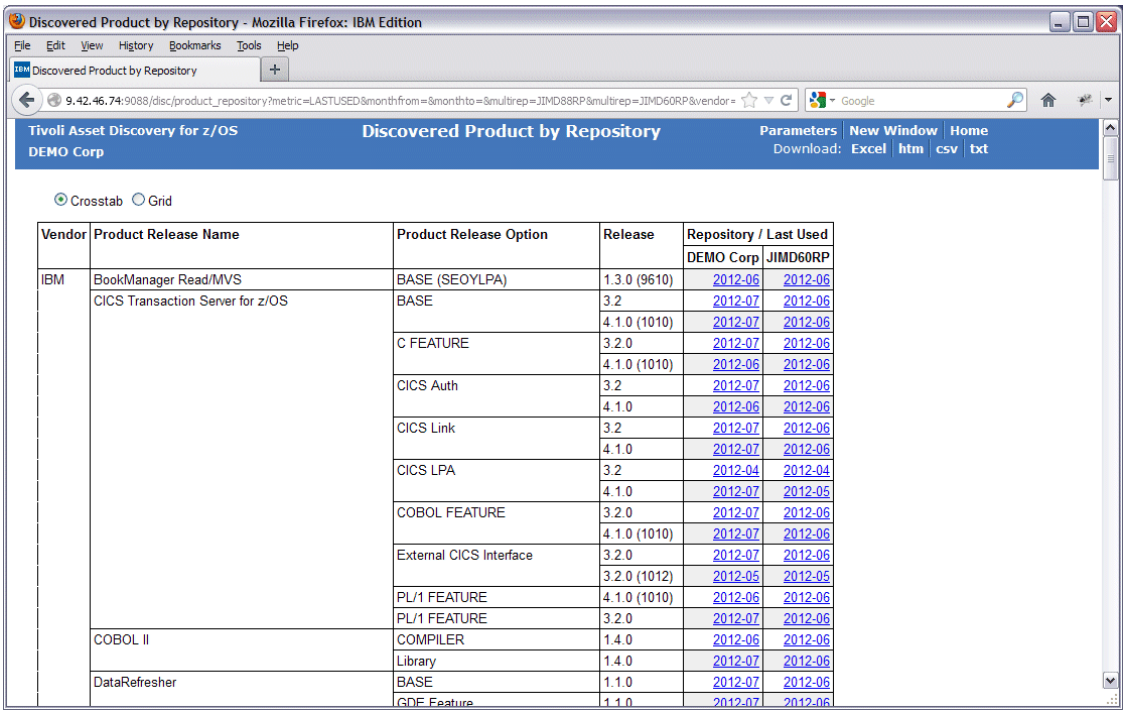
Sample Output Last Observed Metric:



Vendor	Product Release Name	Product Release Option	Release	Repository / Last Observed	
				DEMO Corp	JIMD60RP
IBM	ACF/NCP	BASE	7.8.0	2012-02-01	2012-02-01
			7.8.1	2012-02-01	2012-02-01
	ACF/SSP	BASE	4.3.0	2012-02-01	2012-02-01
			4.8.0	2012-02-01	2012-02-01
			4.8.1	2012-02-01	2012-02-01
	BookManager Read/MVS	BASE (SEOYLOAD)	1.3.0 (9610)	2012-08-01	2012-02-01
		BASE (SEOYLPA)	1.3.0 (9610)	2012-08-01	2012-02-01
	Candle Command Centre	MQSeries Configuration	V350	2012-02-01	2012-02-01
		PQEdit for MQseries	UNKNOWN	2012-02-01	2012-02-01
			1.2.0	2012-02-01	2012-02-01
	CICS Application Migration Aid	BASE	1.1.0	2012-02-01	2012-02-01
	CICS Transaction Server for z/OS	BASE	3.2	2012-02-01	2012-02-01
			4.1.0 (1010)	2012-08-01	2012-02-01
		C FEATURE	3.2.0	2012-02-01	2012-02-01
			3.2.0 (1110)	2012-02-01	2012-02-01
			4.1.0 (1010)	2012-08-01	2012-02-01
		C FEATURE (SDFJAUTH)	UNKNOWN	2012-08-01	
			4.10	2012-02-01	2012-02-01
		CICS Auth	3.2	2012-02-01	2012-02-01
			4.1.0	2012-08-01	2012-02-01
		CICS Link	3.2	2012-02-01	2012-02-01

The output above shows the Last Observed dates of the products in the selected Repositories.

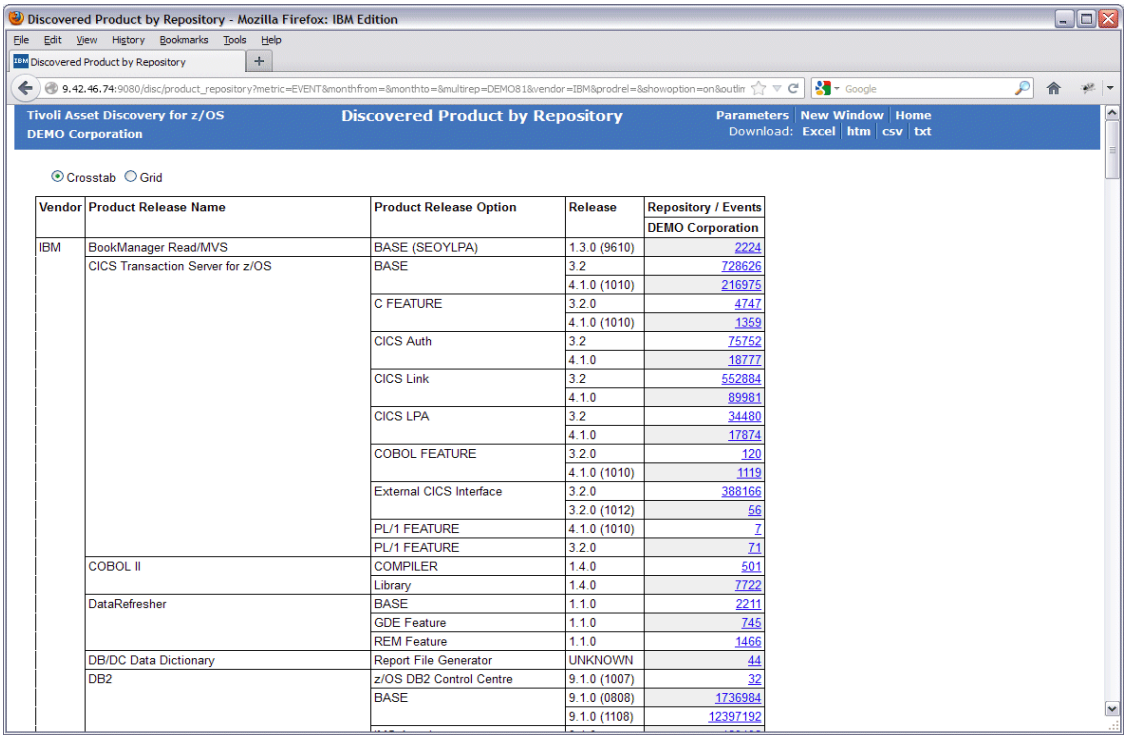
Sample Output Last Used Metric:



Vendor	Product Release Name	Product Release Option	Release	Repository / Last Used	
				DEMO Corp	JIMD60RP
IBM	BookManager Read/MVS	BASE (SEOYLPA)	1.3.0 (9610)	2012-06	2012-06
	CICS Transaction Server for z/OS	BASE	3.2	2012-07	2012-06
			4.1.0 (1010)	2012-07	2012-06
		C FEATURE	3.2.0	2012-07	2012-06
			4.1.0 (1010)	2012-06	2012-06
		CICS Auth	3.2	2012-07	2012-06
			4.1.0	2012-06	2012-06
		CICS Link	3.2	2012-07	2012-06
			4.1.0	2012-07	2012-06
		CICS LPA	3.2	2012-04	2012-04
			4.1.0	2012-07	2012-05
		COBOL FEATURE	3.2.0	2012-07	2012-06
			4.1.0 (1010)	2012-07	2012-06
		External CICS Interface	3.2.0	2012-07	2012-06
			3.2.0 (1012)	2012-05	2012-05
		PL/1 FEATURE	4.1.0 (1010)	2012-06	2012-06
		PL/1 FEATURE	3.2.0	2012-07	2012-06
	COBOL II	COMPILER	1.4.0	2012-06	2012-06
		Library	1.4.0	2012-07	2012-06
	DataRefresher	BASE	1.1.0	2012-07	2012-06
		GDE Feature	1.1.0	2012-07	2012-06

The output above shows the Last Used dates of the products in the selected Repositories.

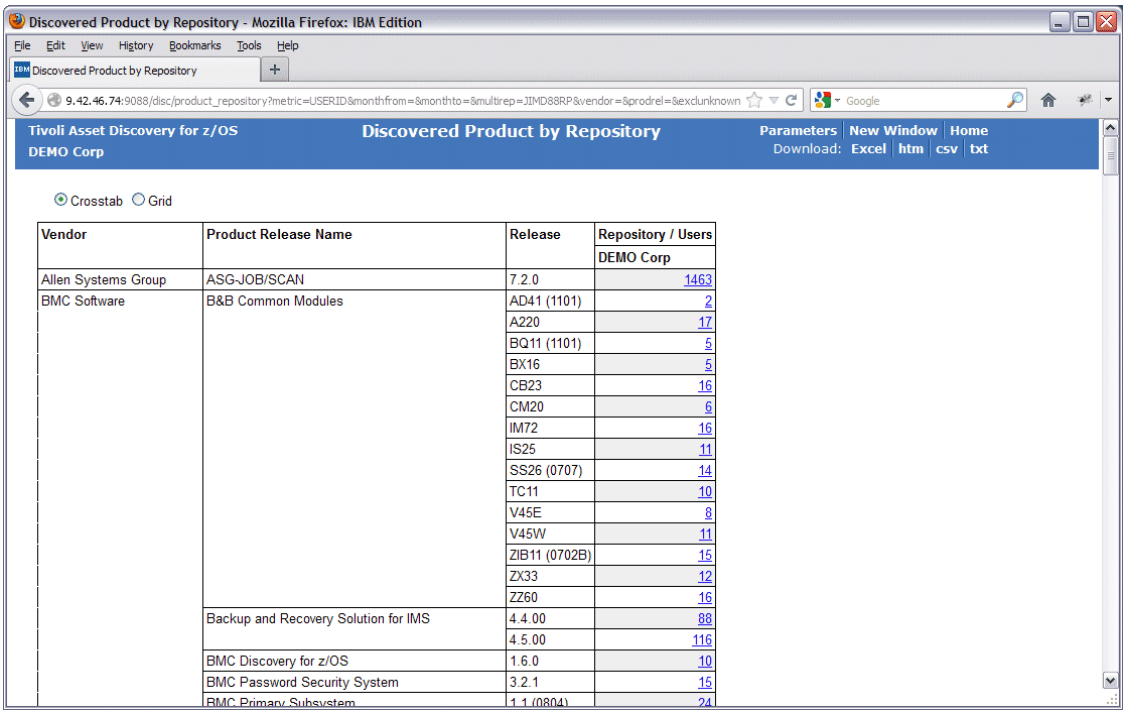
Sample Output Module Events Metric:



Vendor	Product Release Name	Product Release Option	Release	Repository / Events
				DEMO Corporation
IBM	BookManager Read/MVS	BASE (SEOYLPA)	1.3.0 (9610)	2224
	CICS Transaction Server for z/OS	BASE	3.2	728626
			4.1.0 (1010)	216975
		C FEATURE	3.2.0	4747
			4.1.0 (1010)	1359
		CICS Auth	3.2	75752
			4.1.0	18777
		CICS Link	3.2	552884
			4.1.0	89981
		CICS LPA	3.2	34480
			4.1.0	17874
		COBOL FEATURE	3.2.0	120
			4.1.0 (1010)	1119
		External CICS Interface	3.2.0	388166
			3.2.0 (1012)	56
		PL/1 FEATURE	4.1.0 (1010)	7
		PL/1 FEATURE	3.2.0	71
	COBOL II	COMPILER	1.4.0	501
		Library	1.4.0	7722
	DataRefresher	BASE	1.1.0	2211
		GDE Feature	1.1.0	745
		REM Feature	1.1.0	1466
	DB/DC Data Dictionary	Report File Generator	UNKNOWN	44
	DB2	z/OS DB2 Control Centre	9.1.0 (1007)	32
		BASE	9.1.0 (0808)	1736984
			9.1.0 (1108)	12397192

The output above shows the Module Events of the products in the selected Repositories.

Sample Output User Id Count Metric:



Discovered Product by Repository - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Discovered Product by Repository

9.42.46.74:9088/disc/product_repository?metric=USERID&monthfrom=&monthto=&multirep=JIMD88RP&vendor=&prodrel=&excluknown

Tivoli Asset Discovery for z/OS
DEMO Corp

Discovered Product by Repository

Parameters | New Window | Home
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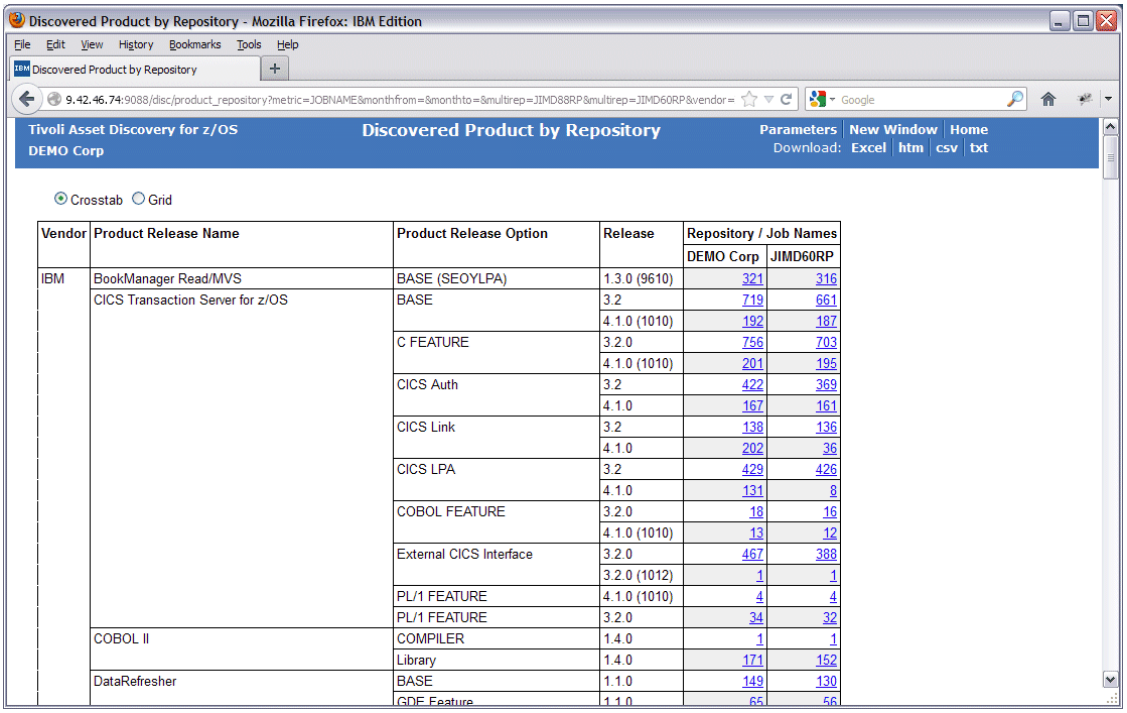
Crosstab Grid

Vendor	Product Release Name	Release	Repository / Users
			DEMO Corp
Allen Systems Group	ASG-JOB/SCAN	7.2.0	1463
BMC Software	B&B Common Modules	AD41 (1101)	2
		A220	17
		BQ11 (1101)	5
		BX16	5
		CB23	16
		CM20	6
		IM72	16
		IS25	11
		SS26 (0707)	14
		TC11	10
		V45E	8
		V45W	11
		ZIB11 (0702B)	15
		ZX33	12
		ZZ60	16
	Backup and Recovery Solution for IMS	4.4.00	88
		4.5.00	116
	BMC Discovery for z/OS	1.6.0	10
	BMC Password Security System	3.2.1	15
	BMC Primary Subsystem	1.1 (0804)	24

The output above shows the Unique Users who accessed the products in the selected Repositories.

Sample Output Job Name Count Metric:



Discovered Product by Repository - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Discovered Product by Repository

9.42.46.74:9088/disc/product_repository?metric=JOBNAME&monthfrom=&monthto=&multirep=JIMD88RP&multirep=JIMD60RP&vendor=

Tivoli Asset Discovery for z/OS
DEMO Corp

Discovered Product by Repository

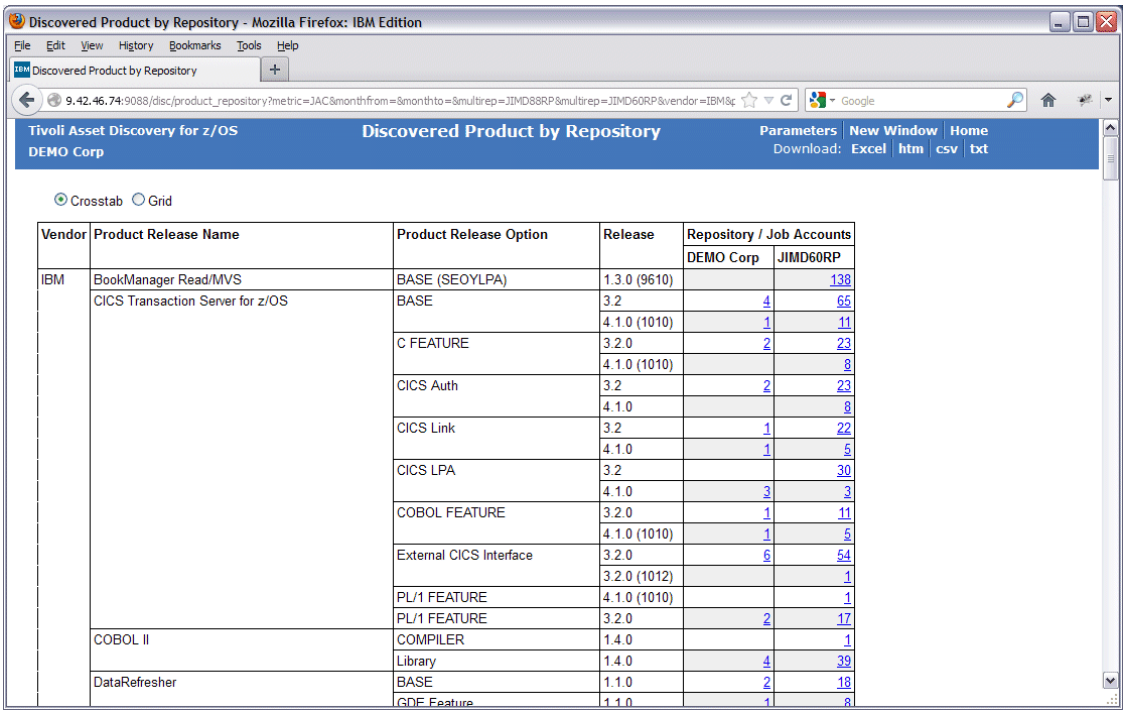
Parameters | New Window | Home
Download: Excel | htm | csv | txt

Crosstab Grid

Vendor	Product Release Name	Product Release Option	Release	Repository / Job Names	
				DEMO Corp	JIMD60RP
IBM	BookManager Read/MVS	BASE (SEOYLPA)	1.3.0 (9610)	321	316
	CICS Transaction Server for z/OS	BASE	3.2	719	661
			4.1.0 (1010)	192	187
		C FEATURE	3.2.0	756	703
			4.1.0 (1010)	201	195
		CICS Auth	3.2	422	369
			4.1.0	167	161
		CICS Link	3.2	138	136
			4.1.0	202	36
		CICS LPA	3.2	429	426
			4.1.0	131	8
		COBOL FEATURE	3.2.0	18	16
			4.1.0 (1010)	13	12
		External CICS Interface	3.2.0	467	388
			3.2.0 (1012)	1	1
		PL/1 FEATURE	4.1.0 (1010)	4	4
		PL/1 FEATURE	3.2.0	34	32
	COBOL II	COMPILER	1.4.0	1	1
		Library	1.4.0	171	152
	DataRefresher	BASE	1.1.0	149	130
		GDF Feature	1.1.0	65	56

The output above shows the Unique Job Names who accessed the products in the selected Repositories.

Sample Output Job Account Count Metric:



Vendor	Product Release Name	Product Release Option	Release	Repository / Job Accounts	
				DEMO Corp	JIMD60RP
IBM	BookManager Read/MVS	BASE (SEOYLPA)	1.3.0 (9610)		138
	CICS Transaction Server for z/OS	BASE	3.2	4	65
			4.1.0 (1010)	1	11
		C FEATURE	3.2.0	2	23
			4.1.0 (1010)		8
		CICS Auth	3.2	2	23
			4.1.0		8
		CICS Link	3.2	1	22
			4.1.0	1	5
		CICS LPA	3.2		30
			4.1.0	3	3
		COBOL FEATURE	3.2.0	1	11
			4.1.0 (1010)	1	5
		External CICS Interface	3.2.0	6	54
			3.2.0 (1012)		1
		PL/1 FEATURE	4.1.0 (1010)		1
		PL/1 FEATURE	3.2.0	2	17
	COBOL II	COMPILER	1.4.0		1
		Library	1.4.0	4	39
	DataRefresher	BASE	1.1.0	2	18
		GDF Feature	1.1.0	1	8

The output above shows the Unique Job Accounts who accessed the products in the selected Repositories.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Option name of the product
Release	The complete Version Release Modification level of the product
Repository/s	The Repository/s the product was discovered on
Discovered Installed	The date the product was first discovered by TADz
Last Observed	The date the product was last observed during an IQ scan
Last Used	The date the product was last executed
Events	How many events (load module executions) were record against the product for the shown month
User id count	The number of unique users per month
Job Name count	The number of unique Job names per month
Job Account count	The number of unique Job accounts per month

Links to drilldown reports

- Asset Version: Product Inventory

- Discovered Installed and Last Observed: Product Libraries
- Last Used, Module Events, User ID Count, Job Name Count, Job Account Count: Product Library Usage

Discovered Product Use by Month report

The Discovered Product Use by Month report provides a summary of discovered product usage.

Batch report query

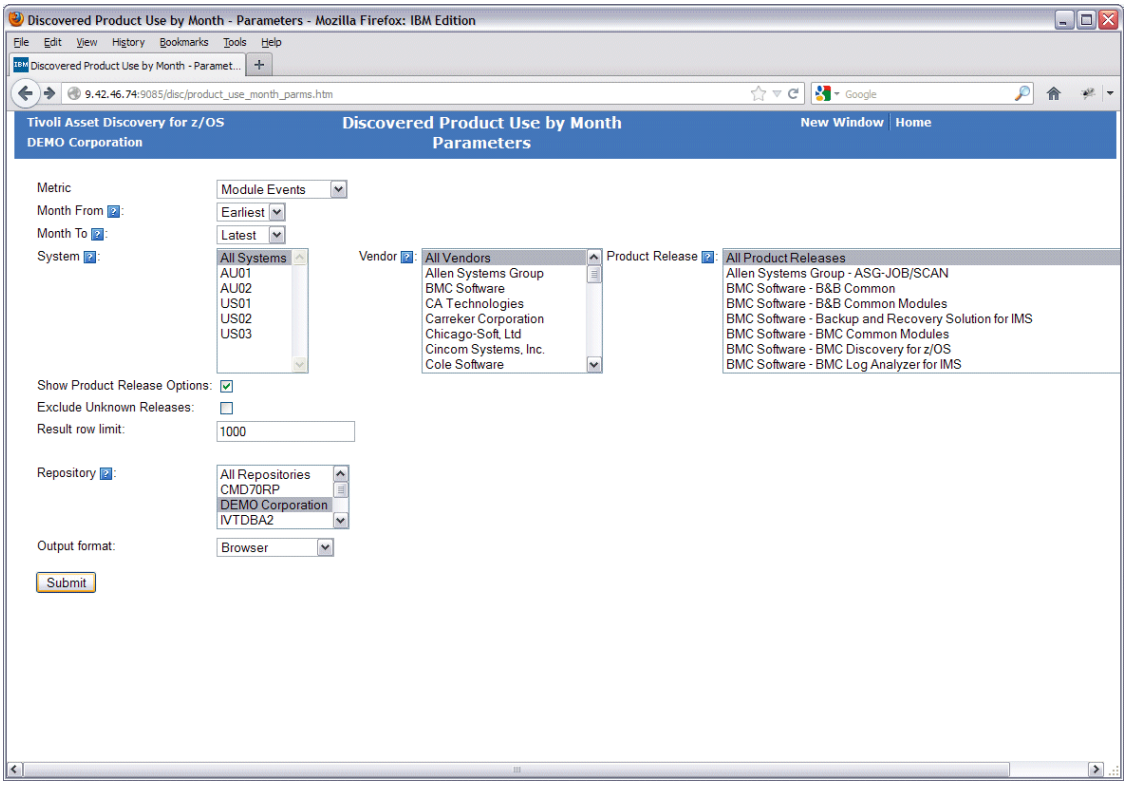
/disc/product_use_month
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • EVENT: Show module event count. • USERID: Show userid count. • JOBNAME: Show job name count. • JOBACC: Show job account count.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.

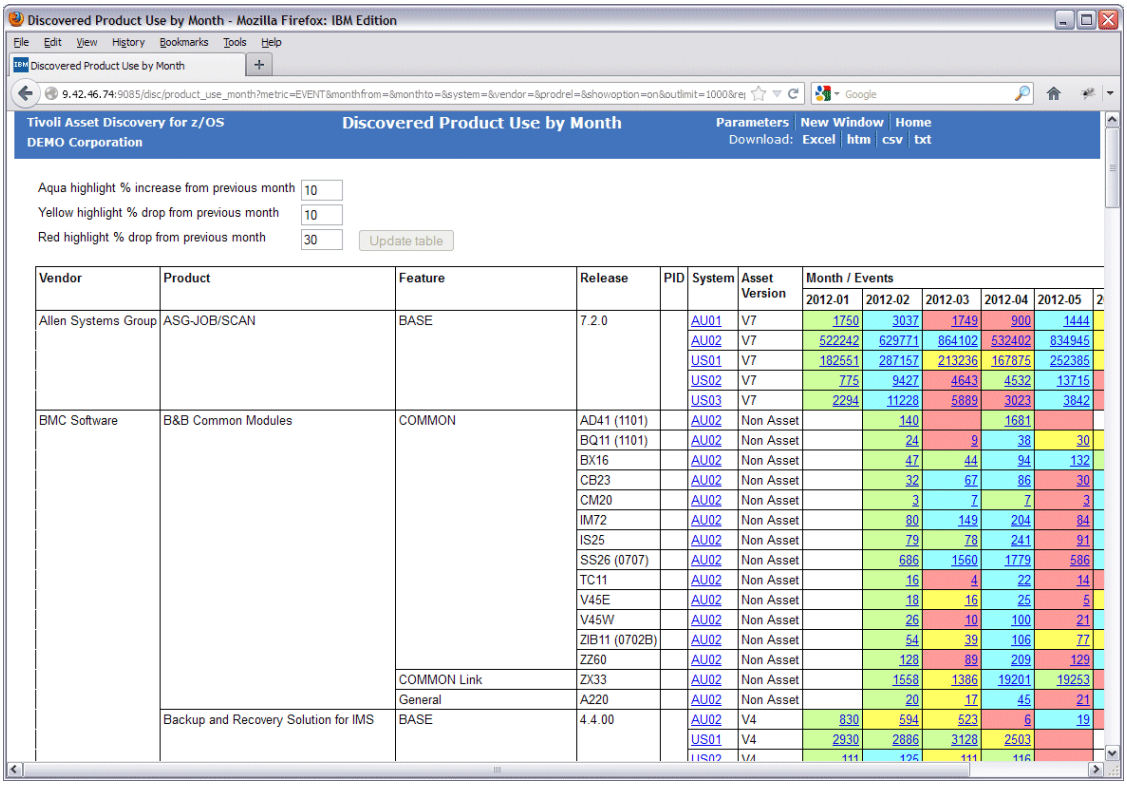
Online parameter	Batch mode parameter	Optional	Description
	vendors, repeat the line for each additional vendor.		
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



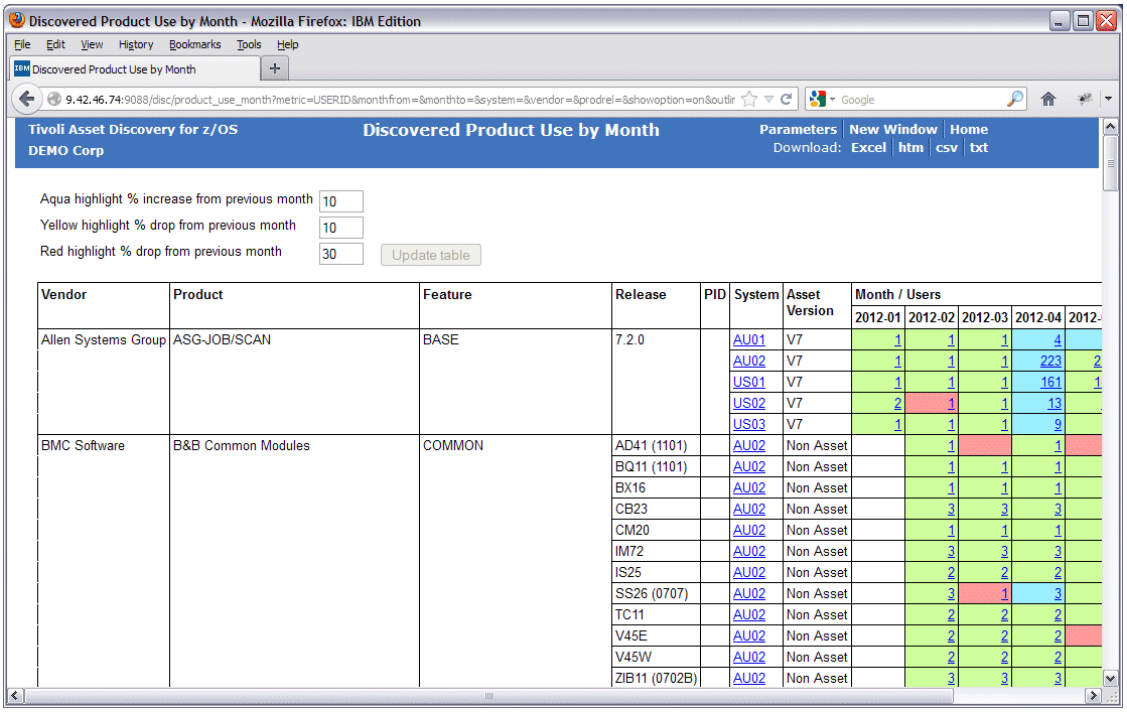
This report will show product usage by month for the selected Systems.

Sample Output Module Events Metric:



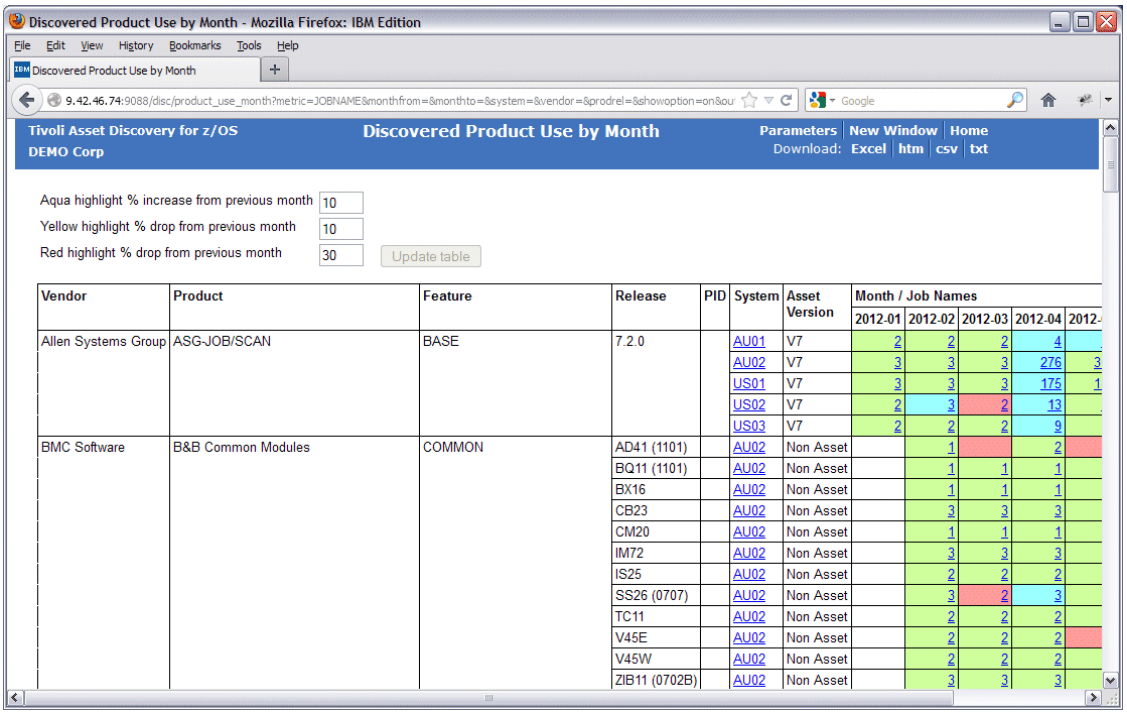
Vendor	Product	Feature	Release	PID	System	Asset Version	Month / Events					
							2012-01	2012-02	2012-03	2012-04	2012-05	2
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		AU01	V7	1750	3037	1749	900	1444	
					AU02	V7	522242	629771	864102	532402	834945	
					US01	V7	182551	287157	213236	167875	252385	
					US02	V7	775	9427	4643	4532	13715	
					US03	V7	2294	11228	5889	3023	3842	
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		AU02	Non Asset		140		1681		
			BQ11 (1101)		AU02	Non Asset		24	9	38	30	
			BX16		AU02	Non Asset		47	44	94	132	
			CB23		AU02	Non Asset		32	67	86	30	
			CM20		AU02	Non Asset		3	7	7	3	
			IM72		AU02	Non Asset		80	149	204	84	
			IS25		AU02	Non Asset		79	78	241	91	
			SS26 (0707)		AU02	Non Asset		686	1560	1779	586	
			TC11		AU02	Non Asset		16	4	22	14	
			V45E		AU02	Non Asset		18	16	25	5	
			V45W		AU02	Non Asset		26	10	100	21	
			ZIB11 (0702B)		AU02	Non Asset		54	39	106	77	
			ZZ60		AU02	Non Asset		128	89	209	129	
		COMMON Link	ZX33		AU02	Non Asset		1558	1386	19201	19253	
		General	A220		AU02	Non Asset		20	17	45	21	
	Backup and Recovery Solution for IMS	BASE	4.4.00		AU02	V4	830	594	523	6	19	
					US01	V4	2930	2886	3128	2503		

Sample Output User Id Count Metric:

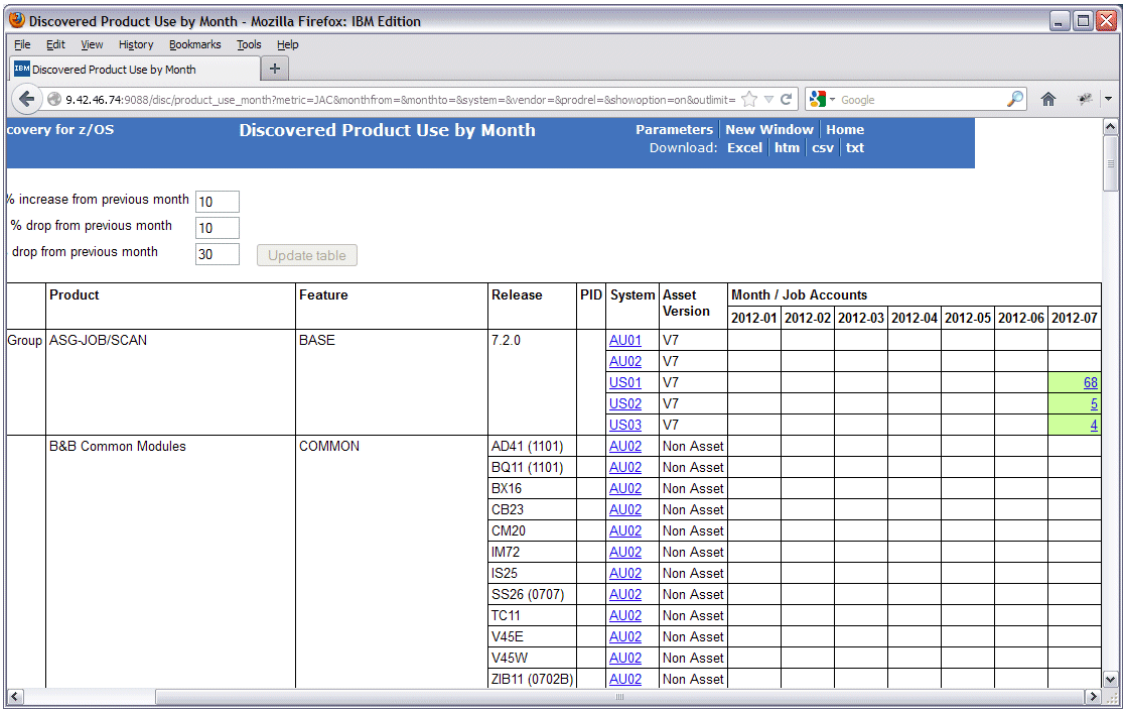


Vendor	Product	Feature	Release	PID	System	Asset Version	Month / Users				
							2012-01	2012-02	2012-03	2012-04	2012-
Allen Systems Group	ASG-JOB/SCAN	BASE	7.2.0		AU01	V7	1	1	1	4	
					AU02	V7	1	1	1	223	2
					US01	V7	1	1	1	161	1
					US02	V7	2	1	1	13	
					US03	V7	1	1	1	9	
BMC Software	B&B Common Modules	COMMON	AD41 (1101)		AU02	Non Asset		1		1	
			BQ11 (1101)		AU02	Non Asset		1	1	1	
			BX16		AU02	Non Asset		1	1	1	
			CB23		AU02	Non Asset		3	3	3	
			CM20		AU02	Non Asset		1	1	1	
			IM72		AU02	Non Asset		3	3	3	
			IS25		AU02	Non Asset		2	2	2	
			SS26 (0707)		AU02	Non Asset		3	1	3	
			TC11		AU02	Non Asset		2	2	2	
			V45E		AU02	Non Asset		2	2	2	
			V45W		AU02	Non Asset		2	2	2	
			ZIB11 (0702B)		AU02	Non Asset		3	3	3	

Sample Output Job Name Count Metric:



Sample Output Job Account Count Metric:



Report columns

Column Name	Description
Vendor	The Vendor Name
Product	The Discovery name of the product
Feature	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
System	The System the product was discovered on
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Month	The usage month for the product
Events	How many events (load module executions) were record against the product for the shown month
User id count	The number of unique users per month
Job Name count	The number of unique Job names per month
Job Account count	The number of unique Job accounts per month

Links to drilldown reports

- System, Events, User ID Count, Job Name Count, Job Account Count: Product Library Usage

End of Service Products report

The End of Service Products report provides information about end of service products.

Batch report query

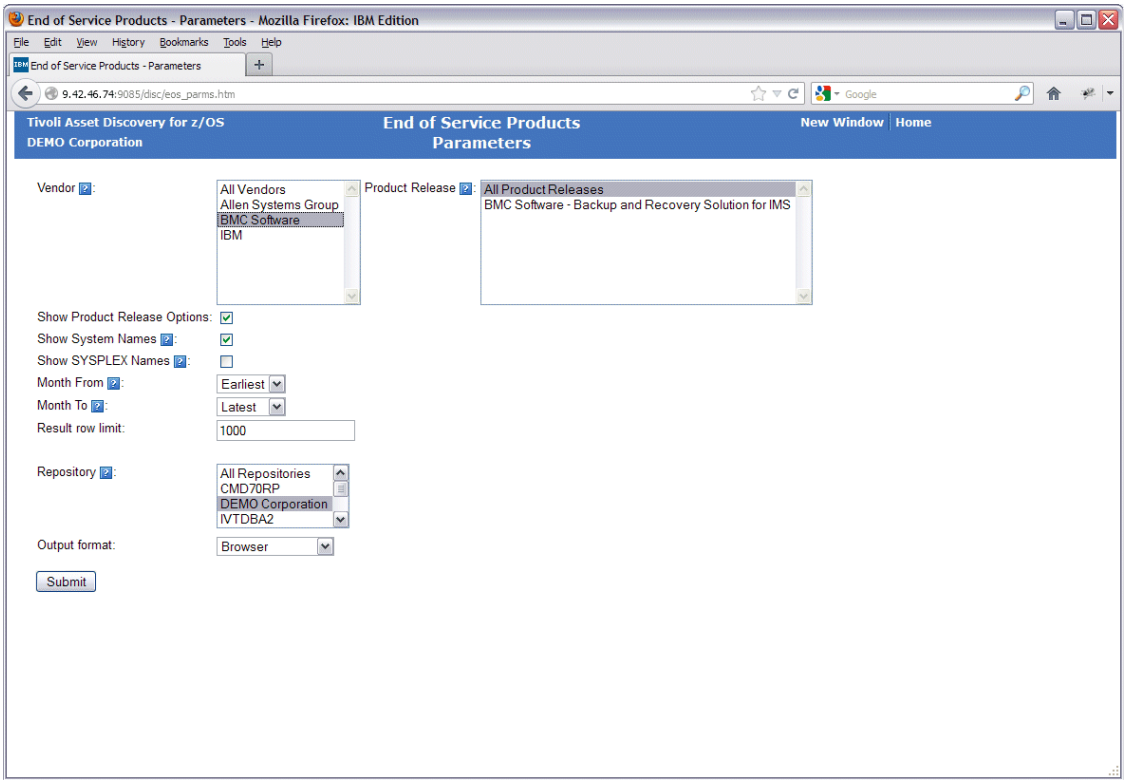
/disc/eos
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
showsysname = *off*
showplxname = *off*
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Show System Names	showsysname = *on/off*	Yes	Show system names.
Show SYSPLEX Names	showplxname = *on/off*	Yes	Show sysplex names.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Result row limit	outlimit = <*number of rows to return*> . If	Yes	Limit the number of rows returned by the query. Leave

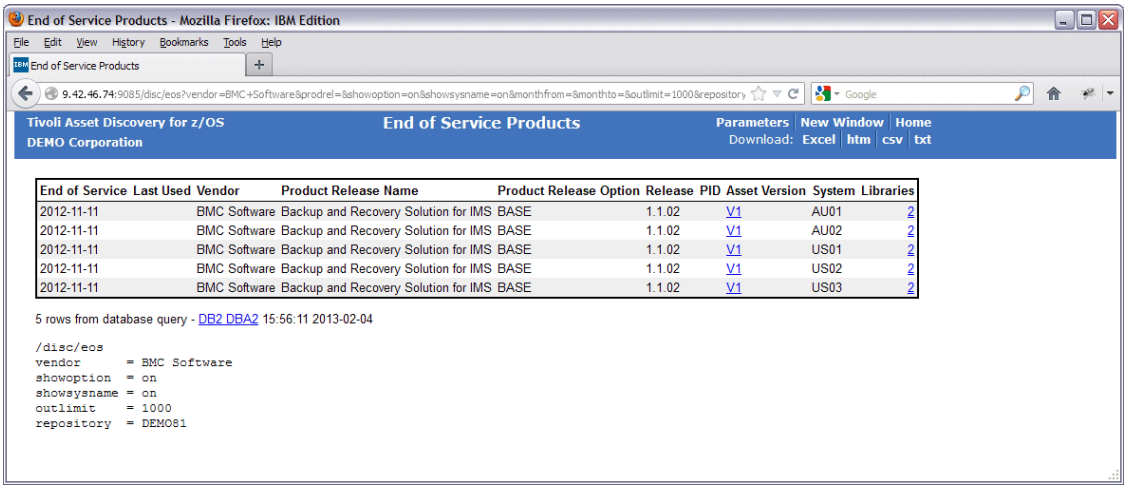
Online parameter	Batch mode parameter	Optional	Description
	omitted or left blank, the default in batch mode is 1000 rows.		blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The End of Service Products report provides information about end of service products for IBM and new in 8.1 for ISV products that reside in your repository. IBM EOS dates are automatically added by IBM during GKB updates. In order for ISV products to be displayed, a TADz Administrator must first create the ISV EOS dates using the supplied application in the Administration Tab. Then when the next GKB is loaded you need to uncomment the last step in job HSISGKBL to update the ISV EOS dates in the Repository using the data entered by the Administrator. When the parameters screen is displayed, it will only show vendors and products from the repository that have an EOS date defined.

Sample Output End of Service Products:



The output above shows the EOS dates for Vendor BMC. The dates above are not real and are included as an example only.

Report columns

Column Name	Description
End of Service	The End of Service date
Last Used	The date the product was last used
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
System	The System the product was discovered on
Sysplex	The Sysplex the product was discovered on
Libraries	The number of libraries the product is installed in

Links to drilldown reports

- Last Used: Product Library Usage
- Asset Version: Product Inventory
- Libraries: Product Libraries

Product Change Reports

The Product Change report provides information about changed products between two IQ runs in different months. In order for this report to work you must have loaded data for more than 1 month in order for this report to work.

Batch report query

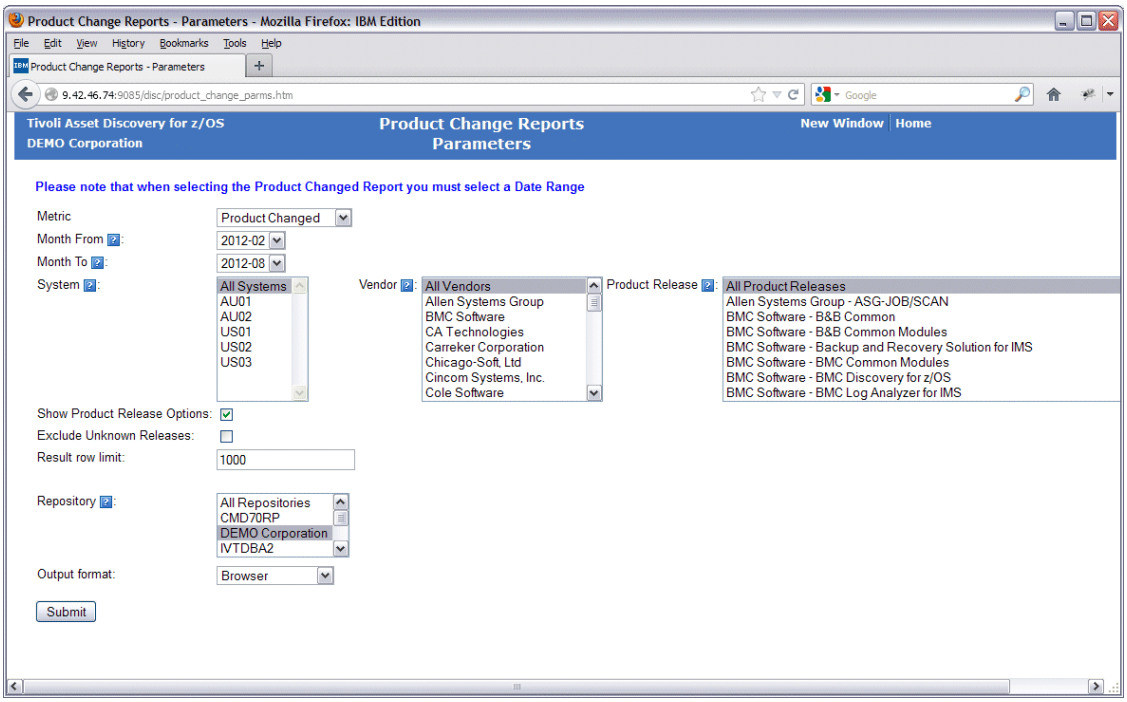
/disc/product_change
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • PRCHANGE: Show product changes. • PRUPGRADE: Show upgraded product versions.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.

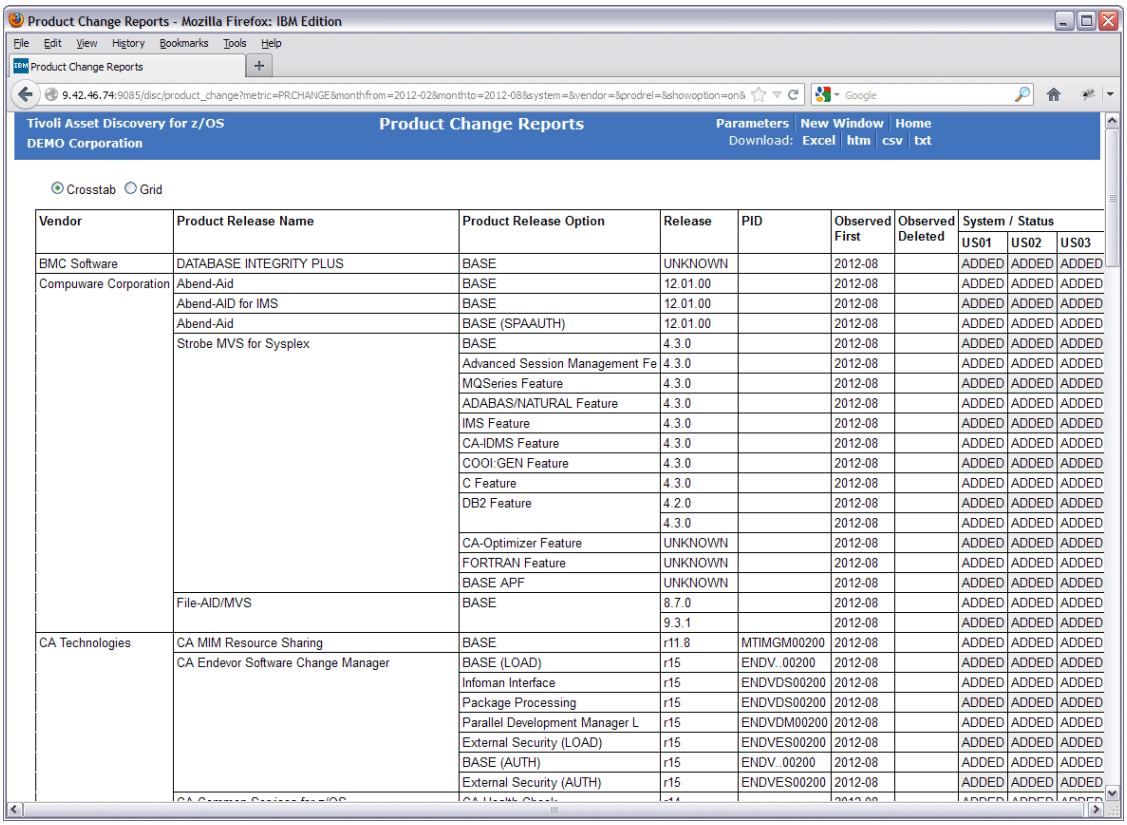
Online parameter	Batch mode parameter	Optional	Description
	additional vendor.		
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Product Change reports are useful when you want to know what has changed between IQ scans or if new versions of products have been replaced in the same library.

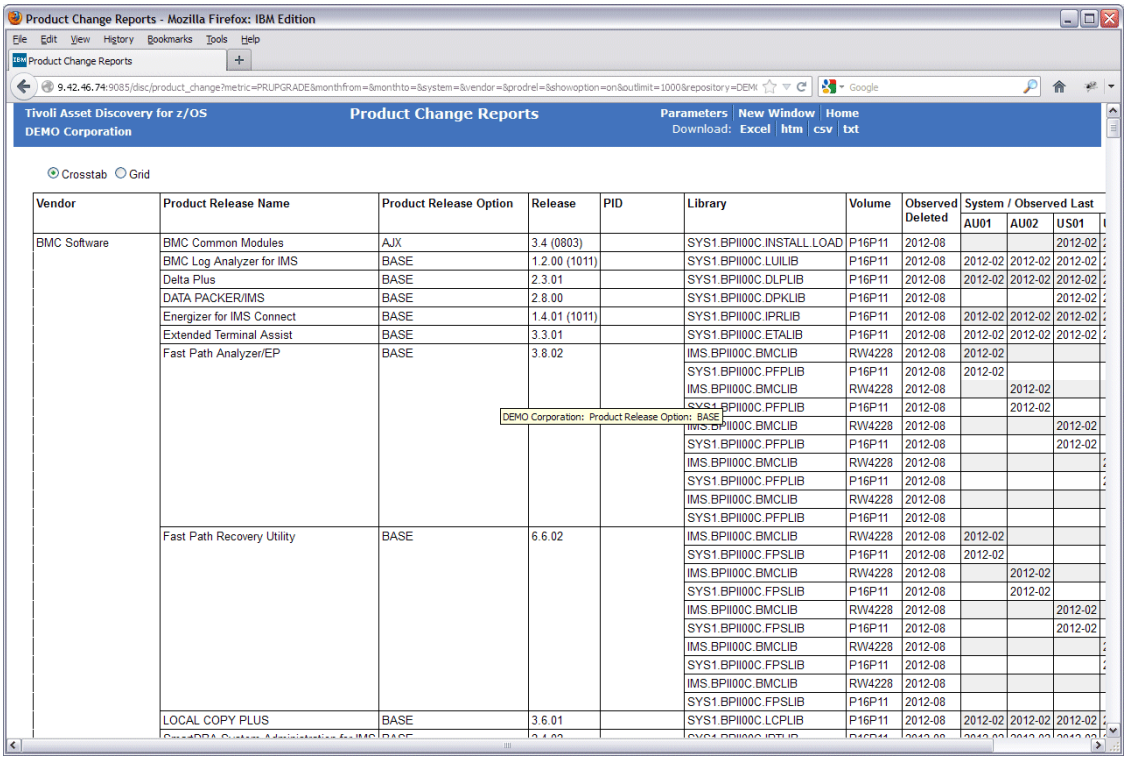
Sample Output Product Changed Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Observed First	Observed Deleted	System / Status		
							US01	US02	US03
BMC Software	DATABASE INTEGRITY PLUS	BASE	UNKNOWN		2012-08		ADDED	ADDED	ADDED
Compuware Corporation	Abend-Aid	BASE	12.01.00		2012-08		ADDED	ADDED	ADDED
	Abend-AID for IMS	BASE	12.01.00		2012-08		ADDED	ADDED	ADDED
	Abend-Aid	BASE (SPAAUTH)	12.01.00		2012-08		ADDED	ADDED	ADDED
	Strobe MVS for Sysplex	BASE	4.3.0		2012-08		ADDED	ADDED	ADDED
		Advanced Session Management Fe	4.3.0		2012-08		ADDED	ADDED	ADDED
		MQSeries Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		ADABAS/NATURAL Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		IMS Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		CA-IDMS Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		COOL:GEN Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		C Feature	4.3.0		2012-08		ADDED	ADDED	ADDED
		DB2 Feature	4.2.0		2012-08		ADDED	ADDED	ADDED
			4.3.0		2012-08		ADDED	ADDED	ADDED
		CA-Optimizer Feature	UNKNOWN		2012-08		ADDED	ADDED	ADDED
		FORTRAN Feature	UNKNOWN		2012-08		ADDED	ADDED	ADDED
		BASE APF	UNKNOWN		2012-08		ADDED	ADDED	ADDED
	File-AID/MVS	BASE	8.7.0		2012-08		ADDED	ADDED	ADDED
			9.3.1		2012-08		ADDED	ADDED	ADDED
CA Technologies	CA MIM Resource Sharing	BASE	r11.8	MTIMGM00200	2012-08		ADDED	ADDED	ADDED
	CA Endevor Software Change Manager	BASE (LOAD)	r15	ENDV..00200	2012-08		ADDED	ADDED	ADDED
		Infoman Interface	r15	ENDVDS00200	2012-08		ADDED	ADDED	ADDED
		Package Processing	r15	ENDVDS00200	2012-08		ADDED	ADDED	ADDED
		Parallel Development Manager L	r15	ENDVDM00200	2012-08		ADDED	ADDED	ADDED
		External Security (LOAD)	r15	ENDVES00200	2012-08		ADDED	ADDED	ADDED
		BASE (AUTH)	r15	ENDV..00200	2012-08		ADDED	ADDED	ADDED
		External Security (AUTH)	r15	ENDVES00200	2012-08		ADDED	ADDED	ADDED

The output above shows what has changed between IQ scan dates. You must enter a date range for this report to work correctly. When you see ADDED this means that the product is new since the previous IQ scan. If you see REMOVED then the product was not identified in the last IQ scan and has been uninstalled.

Sample Output Product Replaced Metric:



Vendor	Product Release Name	Product Release Option	Release	PID	Library	Volume	Observed Deleted	System / Observed Last			
								AU01	AU02	US01	
BMC Software	BMC Common Modules	AJX	3.4 (0803)		SYS1.BPII00C.INSTALL.LOAD	P16P11	2012-08			2012-02	
	BMC Log Analyzer for IMS	BASE	1.2.00 (1011)		SYS1.BPII00C.LUILIB	P16P11	2012-08	2012-02	2012-02	2012-02	
	Delta Plus	BASE	2.3.01		SYS1.BPII00C.DLPLIB	P16P11	2012-08	2012-02	2012-02	2012-02	
	DATA PACKER/IMS	BASE	2.8.00		SYS1.BPII00C.DPKLIB	P16P11	2012-08			2012-02	
	Energizer for IMS Connect	BASE	1.4.01 (1011)		SYS1.BPII00C.IPRLIB	P16P11	2012-08	2012-02	2012-02	2012-02	
	Extended Terminal Assist	BASE	3.3.01		SYS1.BPII00C.ETALIB	P16P11	2012-08	2012-02	2012-02	2012-02	
	Fast Path Analyzer/EP	BASE	3.8.02		IMS.BPII00C.BMCLIB	RW4228	2012-08	2012-02			
					SYS1.BPII00C.PFPLIB	P16P11	2012-08	2012-02			
					IMS.BPII00C.BMCLIB	RW4228	2012-08		2012-02		
					SYS1.BPII00C.PFPLIB	P16P11	2012-08		2012-02		
					IMS.BPII00C.BMCLIB	RW4228	2012-08			2012-02	
					SYS1.BPII00C.PFPLIB	P16P11	2012-08			2012-02	
					IMS.BPII00C.BMCLIB	RW4228	2012-08				
					SYS1.BPII00C.PFPLIB	P16P11	2012-08				
					IMS.BPII00C.BMCLIB	RW4228	2012-08				
					SYS1.BPII00C.PFPLIB	P16P11	2012-08				
	Fast Path Recovery Utility	BASE	6.6.02		IMS.BPII00C.BMCLIB	RW4228	2012-08	2012-02			
					SYS1.BPII00C.FPSLIB	P16P11	2012-08	2012-02			
					IMS.BPII00C.BMCLIB	RW4228	2012-08		2012-02		
					SYS1.BPII00C.FPSLIB	P16P11	2012-08		2012-02		
					IMS.BPII00C.BMCLIB	RW4228	2012-08			2012-02	
					SYS1.BPII00C.FPSLIB	P16P11	2012-08			2012-02	
					IMS.BPII00C.BMCLIB	RW4228	2012-08				
					SYS1.BPII00C.FPSLIB	P16P11	2012-08				
					IMS.BPII00C.BMCLIB	RW4228	2012-08				
					SYS1.BPII00C.FPSLIB	P16P11	2012-08				
	LOCAL COPY PLUS	BASE	3.6.01		SYS1.BPII00C.LCPLIB	P16P11	2012-08	2012-02	2012-02	2012-02	

This report shows what products have been replaced in the same library and lists the dates they were last found and the date they were replaced.

Report columns Changed report

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Observed First	The date the product was first observed
Observed Deleted	The date the product was deleted
System	The System the product was discovered on
Status	The status of the product, either Added or Removed

Report columns Replaced report

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Library	The libraries the product was replaced in.
Observed Deleted	The date the product was deleted
System	The System the product was discovered on
Observed Last	The date the product was last observed

Links to drilldown reports

None

Product Libraries report

The Product Libraries report provides information about discovered product libraries.

Batch report query

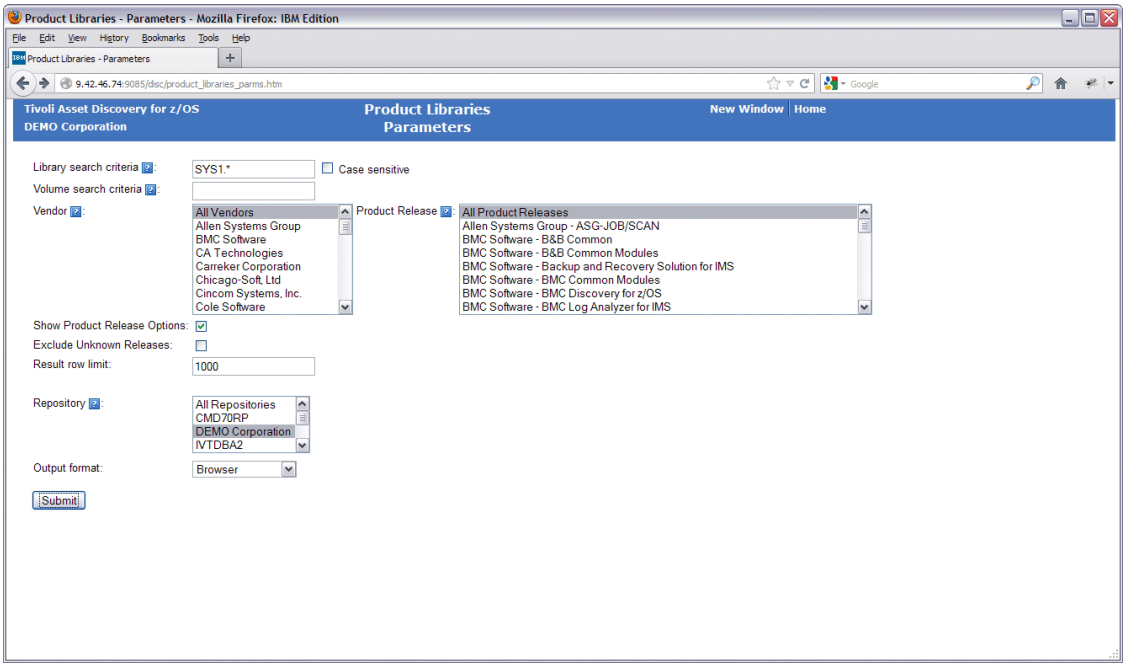
/disc/product_libraries
library = <*library*>
library_casei = *off*
volume = <*volume*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of*	Yes	Limit the number of rows

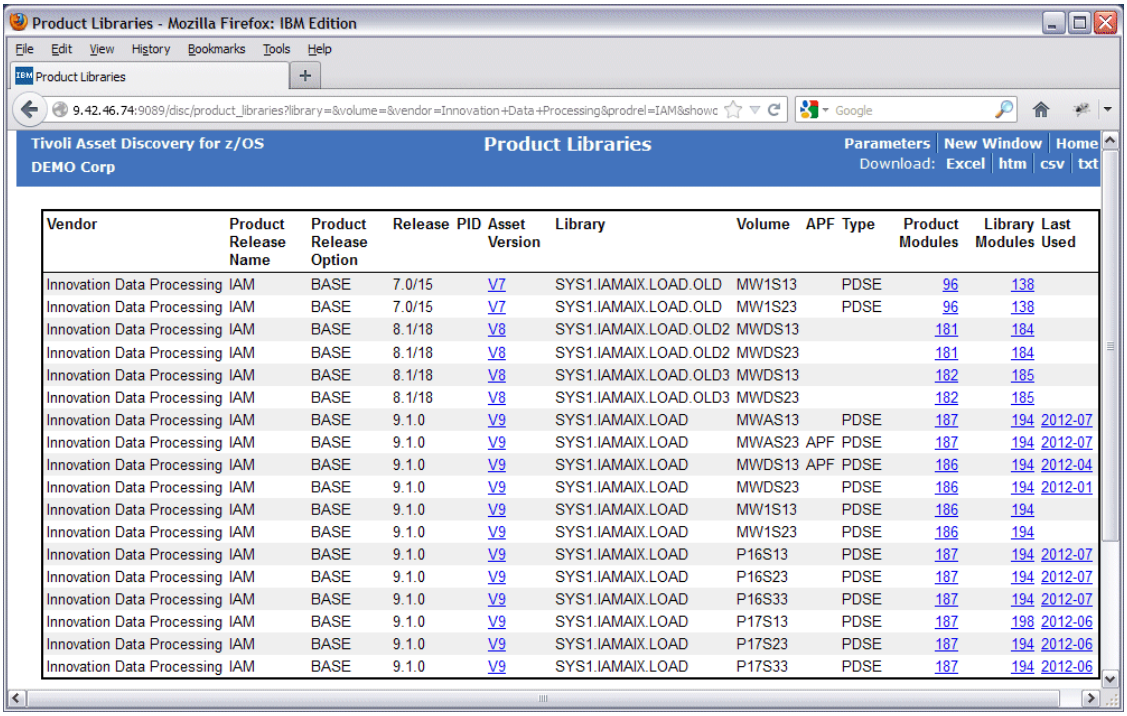
Online parameter	Batch mode parameter	Optional	Description
	rows to return> . If omitted or left blank, the default in batch mode is 1000 rows.		returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Product Library report allows you to search for data by Library name or volser. You can use fully qualified names or wildcards. To view all libraries or all volser enter ** in the relevant search box.

Sample Output Product Libraries:



Vendor	Product Release Name	Product Release Option	Release	PID	Asset Version	Library	Volume	APF	Type	Product Modules	Library Modules	Last Used
Innovation Data Processing	IAM	BASE	7.0/15		V7	SYS1.IAMAIX.LOAD.OLD	MW1S13		PDSE	96	138	
Innovation Data Processing	IAM	BASE	7.0/15		V7	SYS1.IAMAIX.LOAD.OLD	MW1S23		PDSE	96	138	
Innovation Data Processing	IAM	BASE	8.1/18		V8	SYS1.IAMAIX.LOAD.OLD2	MWDS13			181	184	
Innovation Data Processing	IAM	BASE	8.1/18		V8	SYS1.IAMAIX.LOAD.OLD2	MWDS23			181	184	
Innovation Data Processing	IAM	BASE	8.1/18		V8	SYS1.IAMAIX.LOAD.OLD3	MWDS13			182	185	
Innovation Data Processing	IAM	BASE	8.1/18		V8	SYS1.IAMAIX.LOAD.OLD3	MWDS23			182	185	
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MWAS13		PDSE	187	194	2012-07
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MWAS23	APF	PDSE	187	194	2012-07
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MWDS13	APF	PDSE	186	194	2012-04
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MWDS23		PDSE	186	194	2012-01
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MW1S13		PDSE	186	194	
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	MW1S23		PDSE	186	194	
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P16S13		PDSE	187	194	2012-07
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P16S23		PDSE	187	194	2012-07
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P16S33		PDSE	187	194	2012-07
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P17S13		PDSE	187	198	2012-06
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P17S23		PDSE	187	194	2012-06
Innovation Data Processing	IAM	BASE	9.1.0		V9	SYS1.IAMAIX.LOAD	P17S33		PDSE	187	194	2012-06

The output above shows the Product Libraries where the product is installed in.

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Library	The library the product is installed in.
Volume	The VOLSER the library is on
APF	If the library is APF authorised a Y will be displayed
Type	If the library is a PDS then this field will be blank otherwise it will show PDSE
Product Modules	The number of modules discovered in this library for the product
Library Modules	The total number of modules in the library
Last Used	The date the product was last used

Links to drilldown reports

- Asset Version: Product Inventory
- Product Modules: Search modules to show the product modules in the library
- Library Modules: Search modules to show all modules in the library
- Last Used: Module Usage

Product Library Usage report

The Product Library Usage report provides information about discovered product library usage.

Batch report query

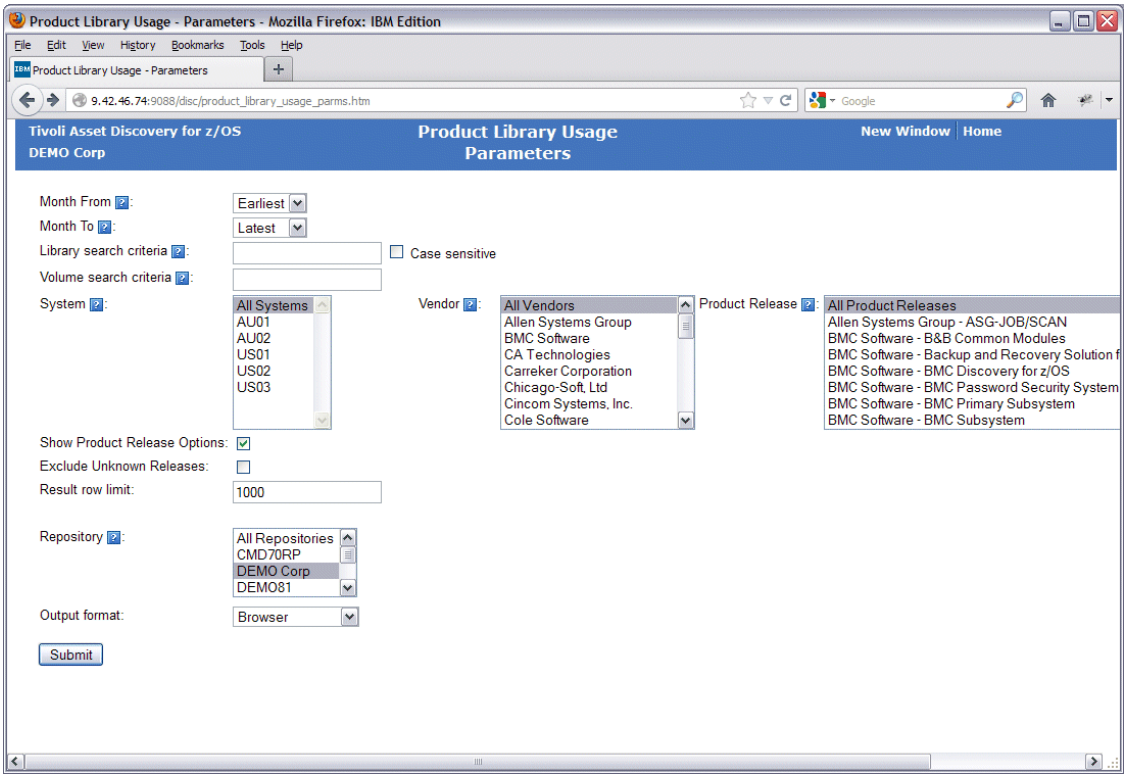
/disc/product_library_usage
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
library = <*library*>
library_casei = *off*
volume = <*volume*>
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
exclunknown = *off*
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.

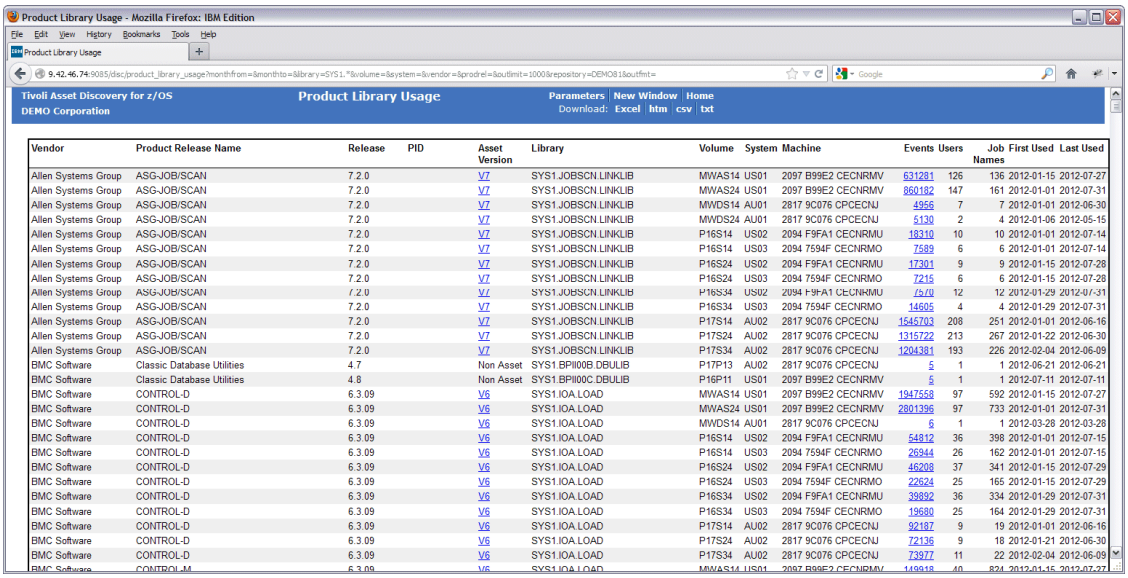
Online parameter	Batch mode parameter	Optional	Description
	additional vendor.		
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report..
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The output above shows the Product Library usage. You can enter a date range to filter the data being displayed and what Vendor/Product you want to view.

Sample Output Product Library Usage:



Vendor	Product Release Name	Release	PID	Asset Version	Library	Volume	System	Machine	Events	Users	Job Names	First Used	Last Used
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS14	US01	2097 B99E2 CECNRMV	631281	126	136	2012-01-15	2012-07-27
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWAS24	US01	2097 B99E2 CECNRMV	860182	147	161	2012-01-01	2012-07-31
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS14	AU01	2817 9C076 CPCECNJ	4956	7	7	2012-01-01	2012-06-30
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	MWDS24	AU01	2817 9C076 CPCECNJ	5130	2	4	2012-01-06	2012-05-15
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S14	US02	2094 F9FA1 CECNRMU	18310	10	10	2012-01-01	2012-07-14
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S14	US03	2094 7594F CECNRMO	7589	6	6	2012-01-01	2012-07-14
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S24	US02	2094 F9FA1 CECNRMU	17301	9	9	2012-01-15	2012-07-28
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S24	US03	2094 7594F CECNRMO	7215	6	6	2012-01-15	2012-07-28
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S34	US02	2094 F9FA1 CECNRMU	7570	12	12	2012-01-29	2012-07-31
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P16S34	US03	2094 7594F CECNRMO	14605	4	4	2012-01-29	2012-07-31
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S14	AU02	2817 9C076 CPCECNJ	1545703	208	251	2012-01-01	2012-06-16
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S24	AU02	2817 9C076 CPCECNJ	1315722	213	267	2012-01-22	2012-06-30
Allen Systems Group	ASG-JOB/SCAN	7.2.0		V7	SYS1.JOBSCN.LINKLIB	P17S34	AU02	2817 9C076 CPCECNJ	1204381	193	226	2012-02-04	2012-06-09
BMC Software	Classic Database Utilities	4.7		Non Asset	SYS1.BPII00B.DBULIB	P17P13	AU02	2817 9C076 CPCECNJ	5	1	1	2012-06-21	2012-06-21
BMC Software	Classic Database Utilities	4.8		Non Asset	SYS1.BPII00C.DBULIB	P16P11	US01	2097 B99E2 CECNRMV	5	1	1	2012-07-11	2012-07-11
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	MWAS14	US01	2097 B99E2 CECNRMV	1947558	97	592	2012-01-15	2012-07-27
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	MWAS24	US01	2097 B99E2 CECNRMV	2801396	97	733	2012-01-01	2012-07-31
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	MWDS14	AU01	2817 9C076 CPCECNJ	6	1	1	2012-03-28	2012-03-28
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S14	US02	2094 F9FA1 CECNRMU	54812	36	398	2012-01-01	2012-07-15
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S14	US03	2094 7594F CECNRMO	26944	26	162	2012-01-01	2012-07-15
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S24	US02	2094 F9FA1 CECNRMU	46208	37	341	2012-01-15	2012-07-29
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S24	US03	2094 7594F CECNRMO	22624	25	165	2012-01-15	2012-07-29
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S34	US02	2094 F9FA1 CECNRMU	39892	36	334	2012-01-29	2012-07-31
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P16S34	US03	2094 7594F CECNRMO	19680	25	164	2012-01-29	2012-07-31
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P17S14	AU02	2817 9C076 CPCECNJ	92187	9	19	2012-01-01	2012-06-16
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P17S24	AU02	2817 9C076 CPCECNJ	72136	9	18	2012-01-21	2012-06-30
BMC Software	CONTROL-D	6.3.09		V6	SYS1.IOA.LOAD	P17S34	AU02	2817 9C076 CPCECNJ	73977	11	22	2012-02-04	2012-06-09
BMC Software	CONTROL-M	6.3.09		V6	SYS1.IOA.LOAD	MWAS14	US01	2097 B99E2 CECNRMV	149918	40	824	2012-01-15	2012-07-27

Report columns

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset Version	The high level asset version. If the product shows as Non Asset it means that the product is either free or a common component that does not require a license. Only licensed products are loaded into the Asset tables.
Library	The library the product is installed in.
Volume	The VOLSER the library is on
System	The System the product usage was recorded
Machine	The machine the System is on
Events	How many events (load module executions) were record against the product for the shown library
Users	The total number of users that executed the product in the library
Job Names	The total number of Job names that executed the product in the library
First Used	The date the product was first used
Last Used	The date the product was last used

Links to drilldown reports

- Asset Version: Product Inventory
- Events: Module usage details

Deleted Libraries report

The Deleted Libraries report provides information about which libraries have been marked as being deleted.

Batch report query

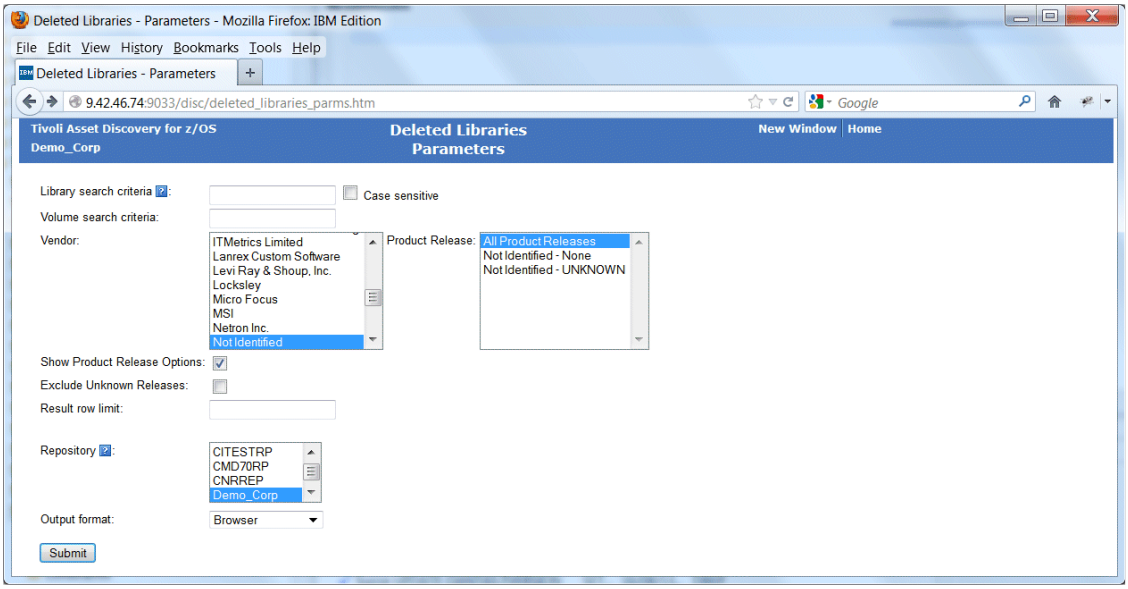
/disc/volume_system
library = <*library*>
volume = <*volume*>
vendor = <*vendor*>
showoption = *off*
exclunknown = *off*
outlimit = 5000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Library search criteria	library = <*library*>	Yes	Library search criteria
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Show Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Exclude Unknown Releases	exclunknown = *on/off*	Yes	Exclude data that has not been identified to a product release in the report.
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not

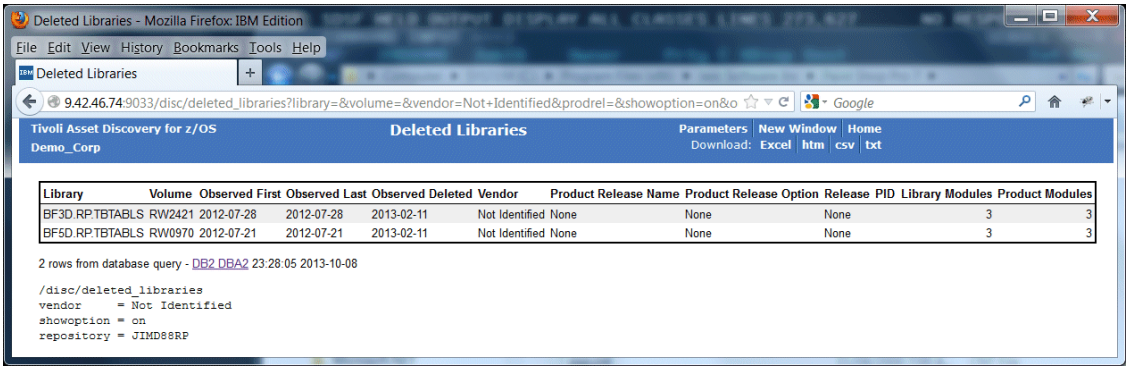
Online parameter	Batch mode parameter	Optional	Description
			specify a repository, only the first repository is included in the report.

Sample Parameters:



The Deleted Libraries report allows you to search for libraries that have been marked as deleted. You can use wildcards for the search criteria or leave blank to display all.

Sample Output Deleted Libraries:



Report columns

Column Name	Description
Library	The library the product is installed in.
Volume	The VOLSER the library is on

Observed First	The date the library was first discovered
Observed Last	The last date the library was discovered
Observed Deleted	The date the library was marked as being deleted
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Library Modules	The number of product modules in the library
Product Modules	The total number of modules in the library

Links to drilldown reports

None:

Volumes by System report

The Volumes by System report provides information about discovered volumes by system.

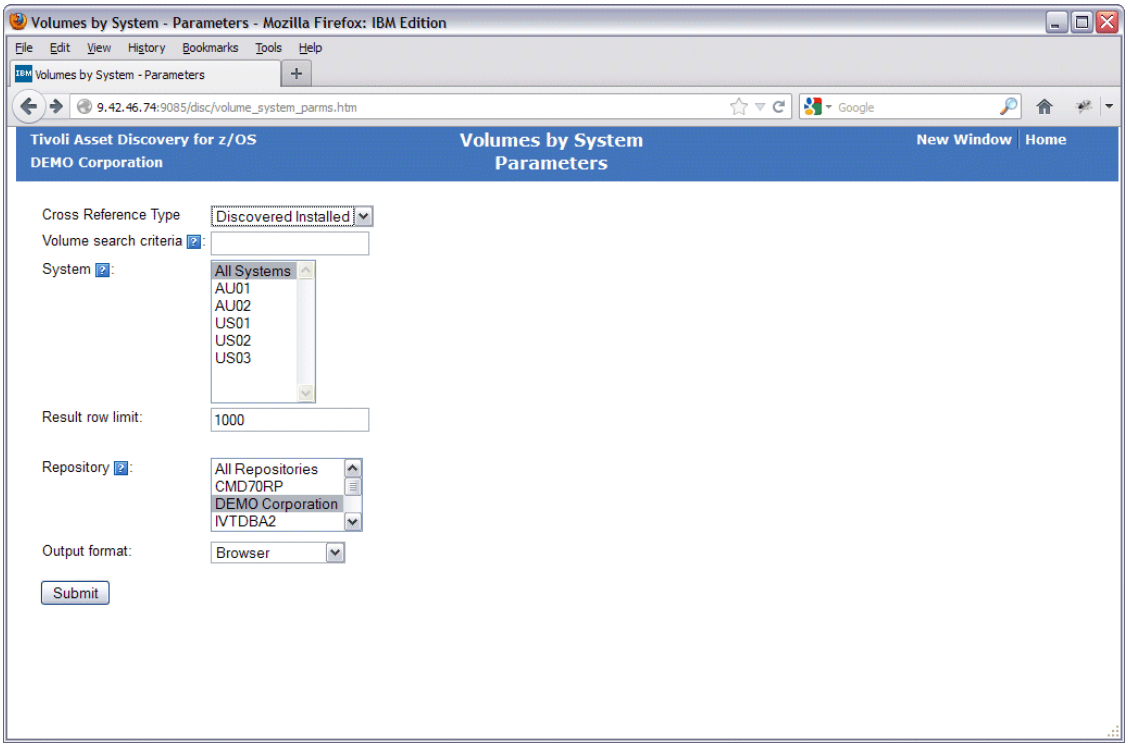
Batch report query

/disc/volume_system
metric = <*metric*>
volume = <*volume*>
system = <*system*>
outlimit = 5000
repository = *&REPZSCHM*

Input Parameters:

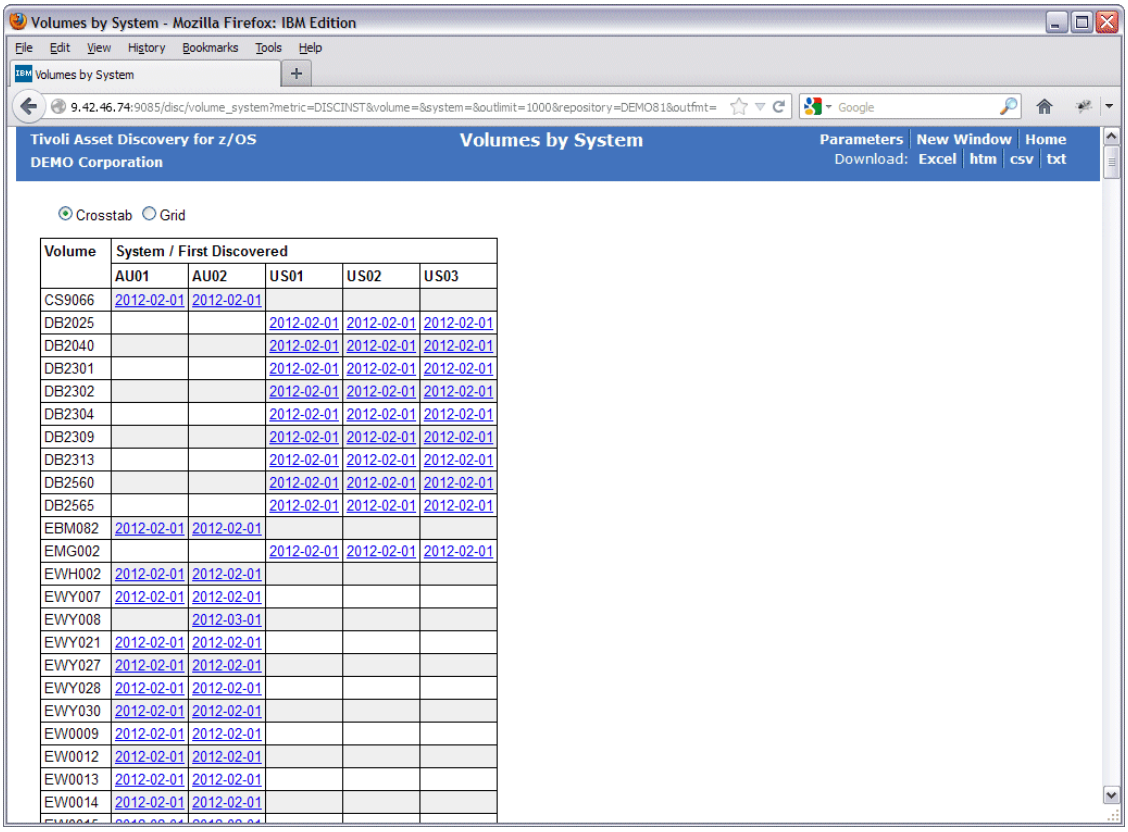
Online parameter	Batch mode parameter	Optional	Description
Cross Reference Type	metric = <*metric*>	No	Metric parameter options are: • LIBRARIES: Show libraries. • DISCINST: Show discovered install date.
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



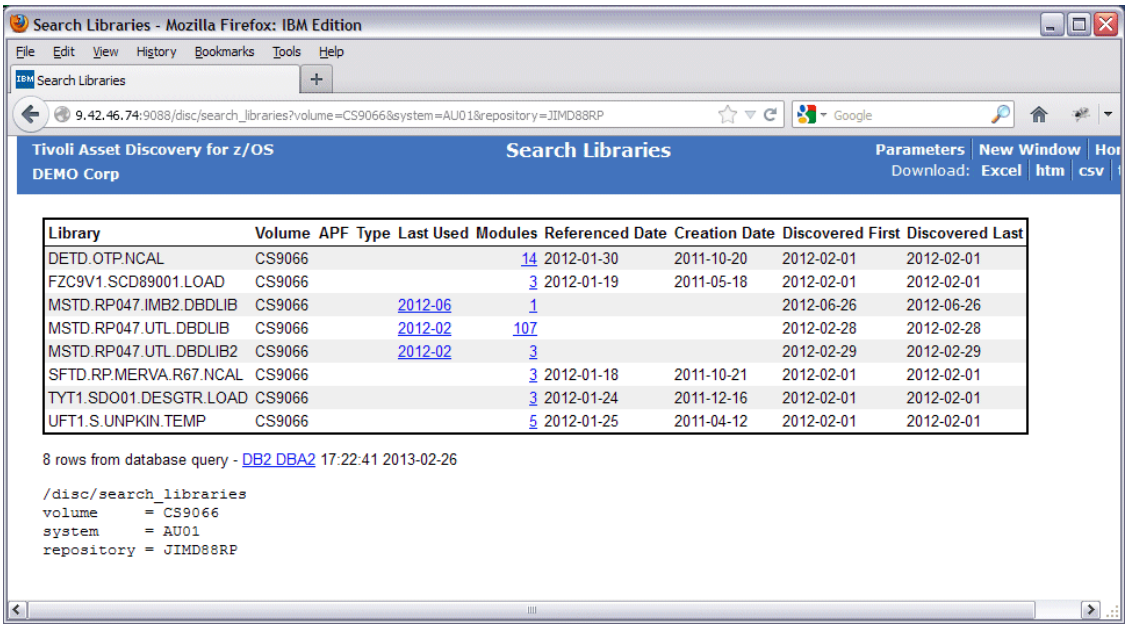
The Volumes by System report allows you to view information on volumes by different reference types. Depending on how many Volsers you have this report can become quite large so filtering the data is essential.

Sample Output Discovered Installed Metric:



Volume	System / First Discovered				
	AU01	AU02	US01	US02	US03
CS9066	2012-02-01	2012-02-01			
DB2025			2012-02-01	2012-02-01	2012-02-01
DB2040			2012-02-01	2012-02-01	2012-02-01
DB2301			2012-02-01	2012-02-01	2012-02-01
DB2302			2012-02-01	2012-02-01	2012-02-01
DB2304			2012-02-01	2012-02-01	2012-02-01
DB2309			2012-02-01	2012-02-01	2012-02-01
DB2313			2012-02-01	2012-02-01	2012-02-01
DB2560			2012-02-01	2012-02-01	2012-02-01
DB2565			2012-02-01	2012-02-01	2012-02-01
EBM082	2012-02-01	2012-02-01			
EMG002			2012-02-01	2012-02-01	2012-02-01
EWH002	2012-02-01	2012-02-01			
EWY007	2012-02-01	2012-02-01			
EWY008		2012-03-01			
EWY021	2012-02-01	2012-02-01			
EWY027	2012-02-01	2012-02-01			
EWY028	2012-02-01	2012-02-01			
EWY030	2012-02-01	2012-02-01			
EW0009	2012-02-01	2012-02-01			
EW0012	2012-02-01	2012-02-01			
EW0013	2012-02-01	2012-02-01			
EW0014	2012-02-01	2012-02-01			

First Discovered show the first time the Volser was found on each system. You can drill down to see more detail on volume contents as shown below.

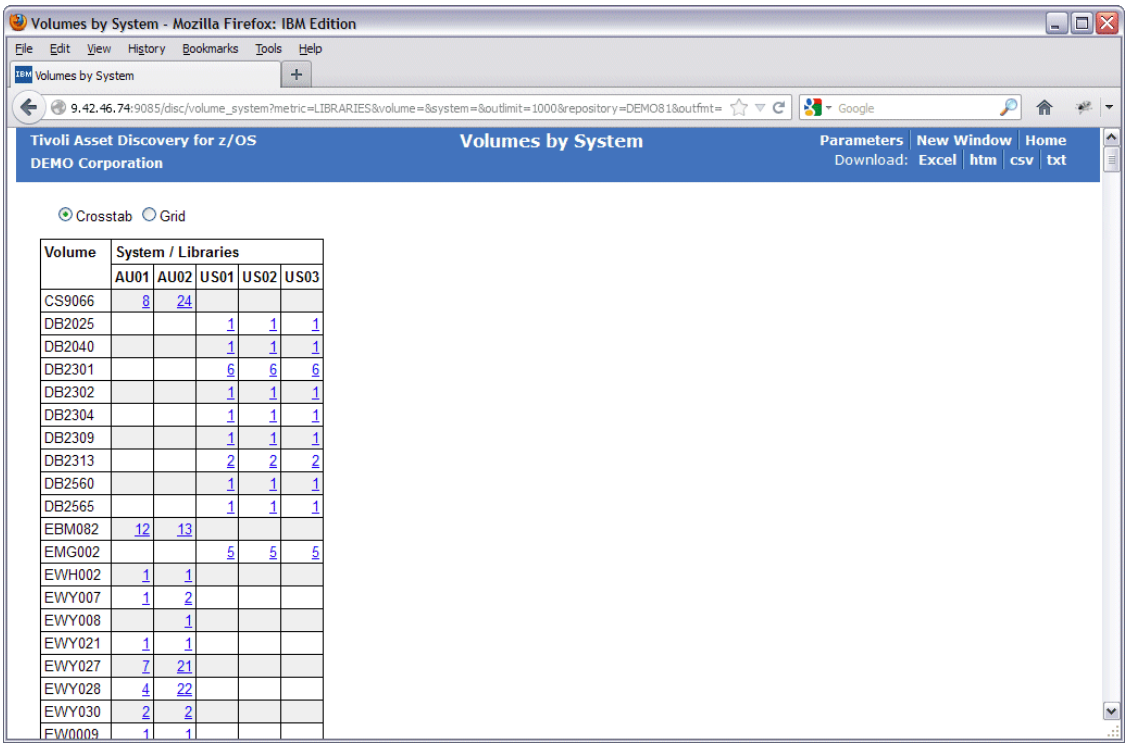


Library	Volume	APF	Type	Last Used	Modules	Referenced Date	Creation Date	Discovered First	Discovered Last
DETD.OTP.NCAL	CS9066				14	2012-01-30	2011-10-20	2012-02-01	2012-02-01
FZC9V1.SCD89001.LOAD	CS9066				3	2012-01-19	2011-05-18	2012-02-01	2012-02-01
MSTD.RP047.IMB2.DBDLIB	CS9066			2012-06	1			2012-06-26	2012-06-26
MSTD.RP047.UTL.DBDLIB	CS9066			2012-02	107			2012-02-28	2012-02-28
MSTD.RP047.UTL.DBDLIB2	CS9066			2012-02	3			2012-02-29	2012-02-29
SFTD.RP.MERVA.R67.NCAL	CS9066				3	2012-01-18	2011-10-21	2012-02-01	2012-02-01
TYT1.SDO01.DESGTR.LOAD	CS9066				3	2012-01-24	2011-12-16	2012-02-01	2012-02-01
UFT1.S.UNPKIN.TEMP	CS9066				5	2012-01-25	2011-04-12	2012-02-01	2012-02-01

8 rows from database query - DB2 DBA2 17:22:41 2013-02-26

```
/disc/search_libraries
volume     = CS9066
system     = AU01
repository = JIMD88RP
```

Sample Output Libraries Metric:



Volume	System / Libraries				
	AU01	AU02	US01	US02	US03
CS9066	8	24			
DB2025			1	1	1
DB2040			1	1	1
DB2301			6	6	6
DB2302			1	1	1
DB2304			1	1	1
DB2309			1	1	1
DB2313			2	2	2
DB2560			1	1	1
DB2565			1	1	1
EBM082	12	13			
EMG002			5	5	5
EWH002	1	1			
EWY007	1	2			
EWY008		1			
EWY021	1	1			
EWY027	7	21			
EWY028	4	22			
EWY030	2	2			
EW0009	1	1			

The Libraries report will show how many libraries are on the Volser. Drilldown will take you to the Search Libraries report.

Report columns

Column Name	Description
Volume	The VOLSER
System	The System the volume was discovered on
First Discovered	The date the volumes were first discovered
Libraries	The number of libraries on the volume by System

Links to drilldown reports

Libraries, First Discovered: Search Libraries for volume

Dataset HLQs by System report

The Dataset HLQs by System report provides information about discovered HLQs by system.

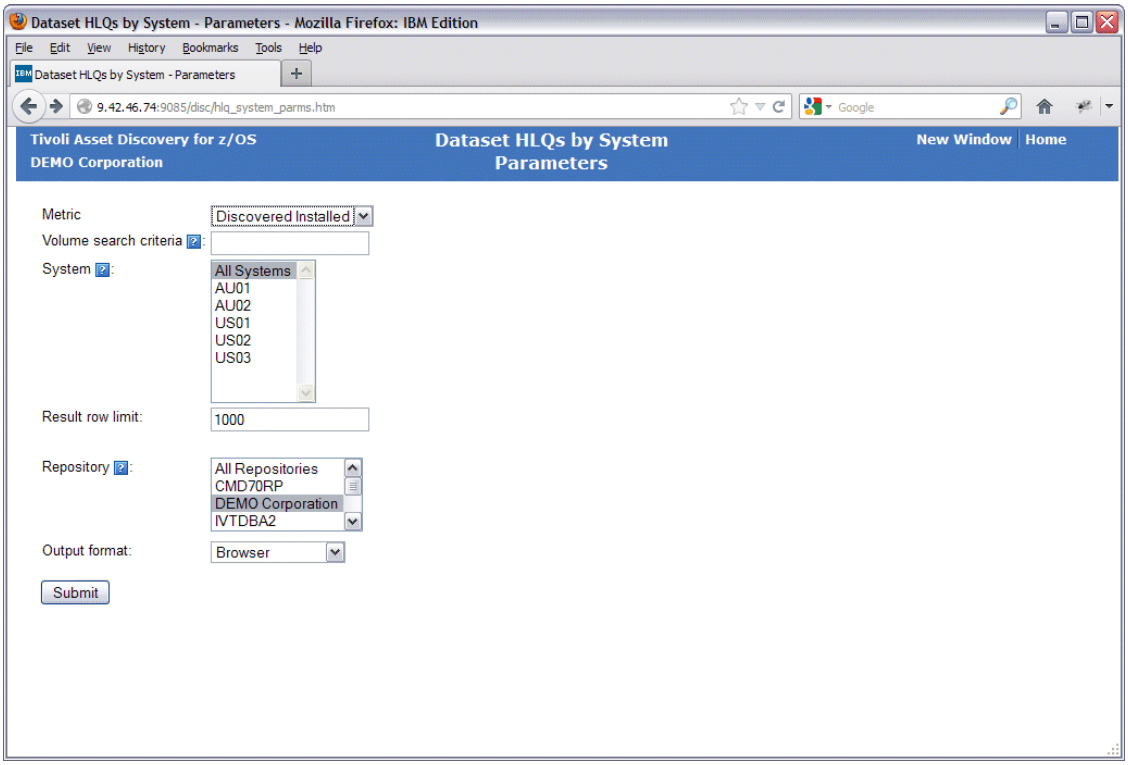
Batch report query

/disc/hlq_system
metric = <*metric*>
volume = <*volume*>
system = <*system*>
outlimit = 5000
repository = *&REPZSCHM*

Input Parameters:

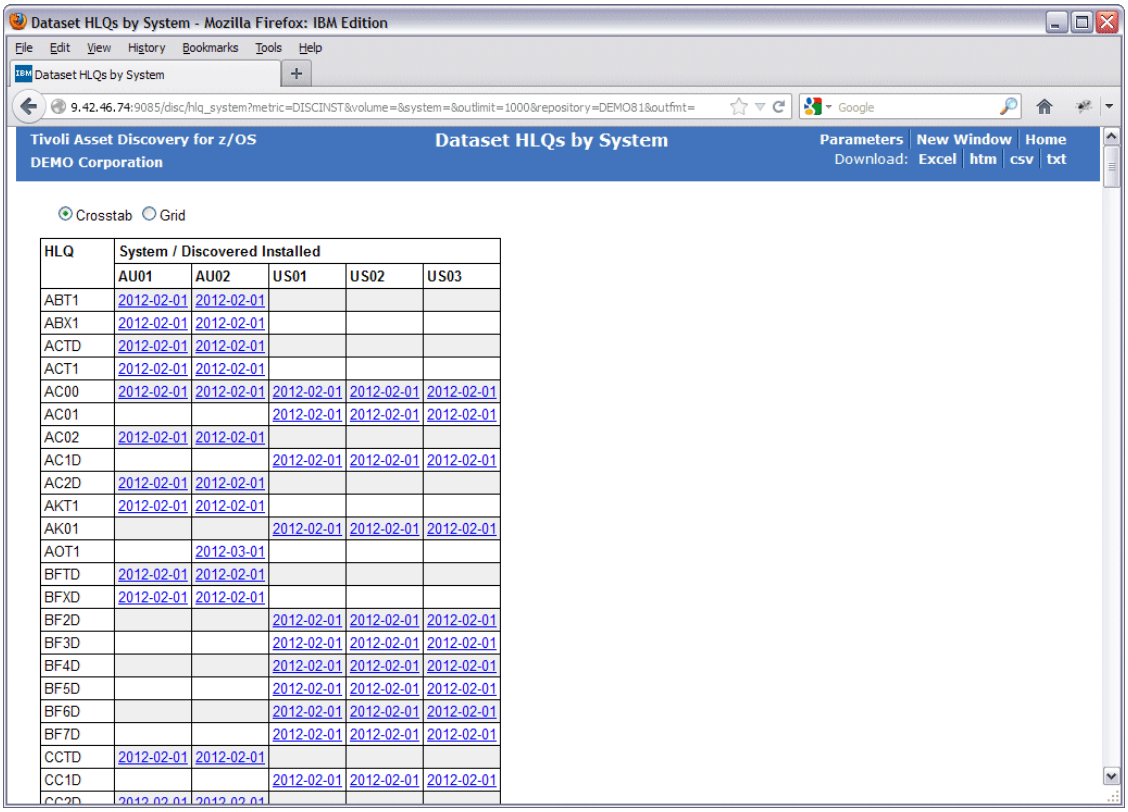
Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • LIBRARIES: Show libraries. • DISCINST: Show discovered install date.
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report will list by HLQs the libraries in the Repository. There are 2 Metrics that can be selected. Discovered Installed, which will list the dates that the HLQ's were first discovered and Libraries, the number of libraries with this HLQ.

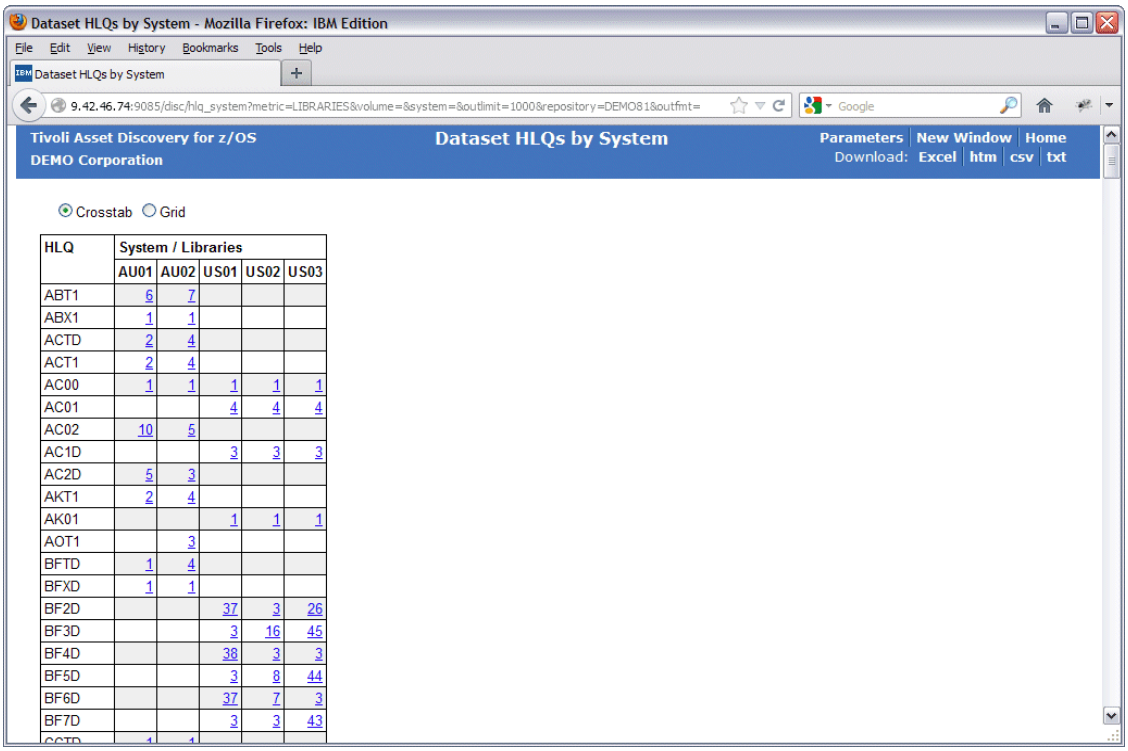
Sample Output Discovered Installed Metric:



HLQ	System / Discovered Installed				
	AU01	AU02	US01	US02	US03
ABT1	2012-02-01	2012-02-01			
ABX1	2012-02-01	2012-02-01			
ACTD	2012-02-01	2012-02-01			
ACT1	2012-02-01	2012-02-01			
AC00	2012-02-01	2012-02-01	2012-02-01	2012-02-01	2012-02-01
AC01			2012-02-01	2012-02-01	2012-02-01
AC02	2012-02-01	2012-02-01			
AC1D			2012-02-01	2012-02-01	2012-02-01
AC2D	2012-02-01	2012-02-01			
AKT1	2012-02-01	2012-02-01			
AK01			2012-02-01	2012-02-01	2012-02-01
AOT1		2012-03-01			
BFTD	2012-02-01	2012-02-01			
BFXD	2012-02-01	2012-02-01			
BF2D			2012-02-01	2012-02-01	2012-02-01
BF3D			2012-02-01	2012-02-01	2012-02-01
BF4D			2012-02-01	2012-02-01	2012-02-01
BF5D			2012-02-01	2012-02-01	2012-02-01
BF6D			2012-02-01	2012-02-01	2012-02-01
BF7D			2012-02-01	2012-02-01	2012-02-01
CCTD	2012-02-01	2012-02-01			
CC1D			2012-02-01	2012-02-01	2012-02-01

First Discovered Installed show the first time the HLQ was found on each system. You can drill down to see the library details.

Sample Output Libraries Metric:



HLQ	System / Libraries				
	AU01	AU02	US01	US02	US03
ABT1	6	7			
ABX1	1	1			
ACTD	2	4			
ACT1	2	4			
AC00	1	1	1	1	1
AC01			4	4	4
AC02	10	5			
AC1D			3	3	3
AC2D	5	3			
AKT1	2	4			
AK01			1	1	1
AOT1		3			
BFTD	1	4			
BFXD	1	1			
BF2D			37	3	26
BF3D			3	16	45
BF4D			38	3	3
BF5D			3	8	44
BF6D			37	7	3
BF7D			3	3	43

System/Libraries grid output shows how many HLQs are on each system.

Report columns

Column Name	Description
HLQ	The High Level Qualifier
System	The System the HLQ was discovered on
Discovered Installed	The date the HLQ's was first discovered
Libraries	The number of libraries the HLQ's are on by System

Links to drilldown reports

Libraries, Discovered Installed: Search Libraries

Libraries by System report

The Libraries by System report provides information about discovered libraries by system.

Batch report query

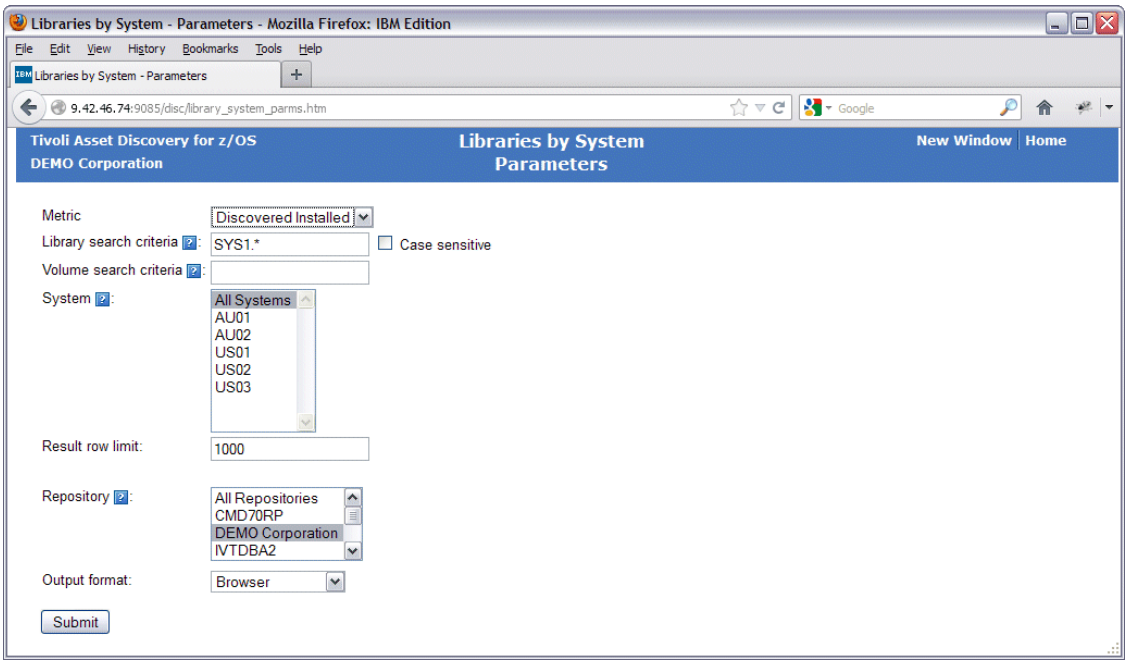
/disc/library_system
metric = <*metric*>
library = <*library*>
library_casei = *off*
volume = <*volume*>
system = <*system*>
outlimit = 5000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • DISCINST: Show discovered install date. • LASTUSED: Show last used month. • EVENT: Show module event count.
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository =	No	The name of the repository

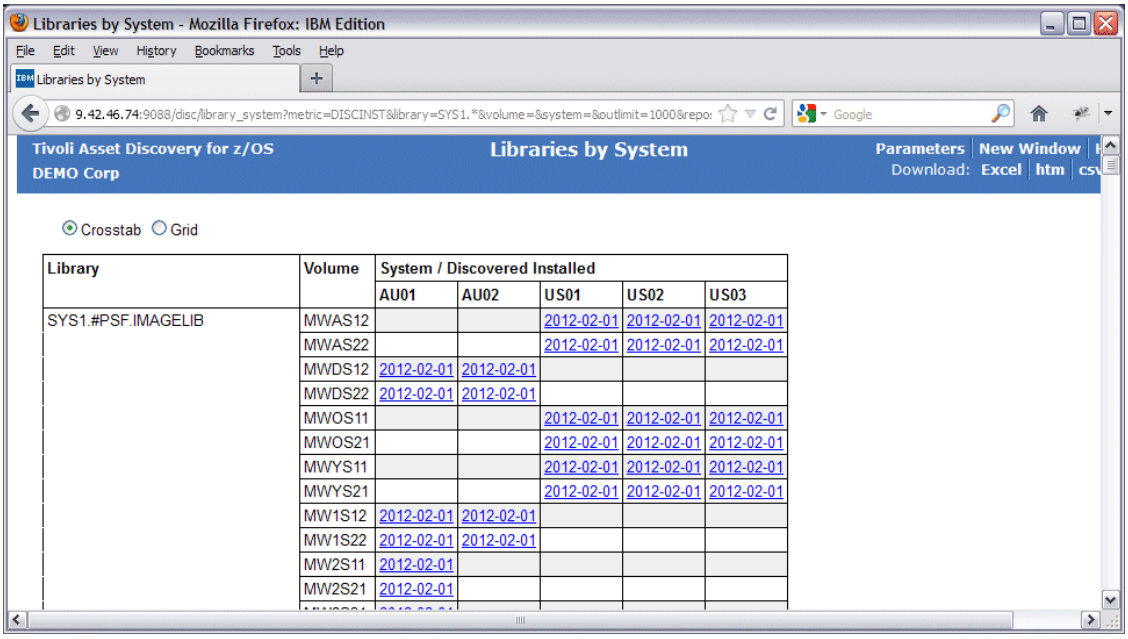
Online parameter	Batch mode parameter	Optional	Description
	&REPZSCHM		to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Libraries by System report will show what libraries are on the selected system. It will show the data by different Metrics. You can enter fully qualified names or use wildcards such as ** to view all.

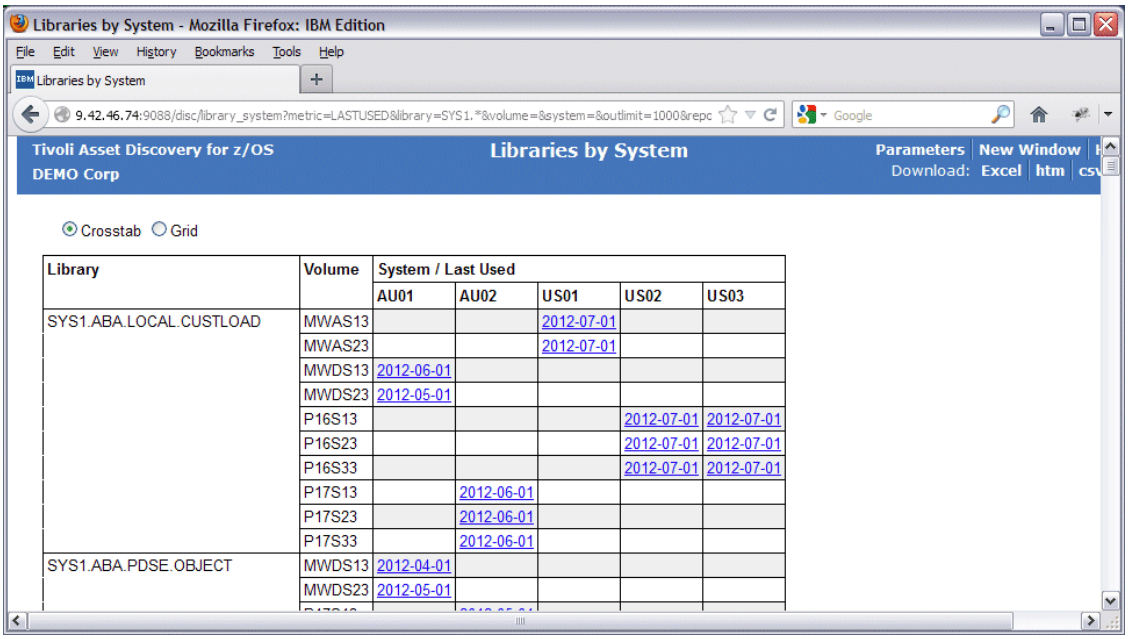
Sample Output Discovered Installed Metric:



Library	Volume	System / Discovered Installed				
		AU01	AU02	US01	US02	US03
SYS1.#PSF.IMAGELIB	MWAS12			2012-02-01	2012-02-01	2012-02-01
	MWAS22			2012-02-01	2012-02-01	2012-02-01
	MWDS12	2012-02-01	2012-02-01			
	MWDS22	2012-02-01	2012-02-01			
	MWOS11			2012-02-01	2012-02-01	2012-02-01
	MWOS21			2012-02-01	2012-02-01	2012-02-01
	MWYS11			2012-02-01	2012-02-01	2012-02-01
	MWYS21			2012-02-01	2012-02-01	2012-02-01
	MW1S12	2012-02-01	2012-02-01			
	MW1S22	2012-02-01	2012-02-01			
	MW2S11	2012-02-01				
	MW2S21	2012-02-01				

Discovered Installed shows the first time the Library was found on each system and also the Volser it was found on.

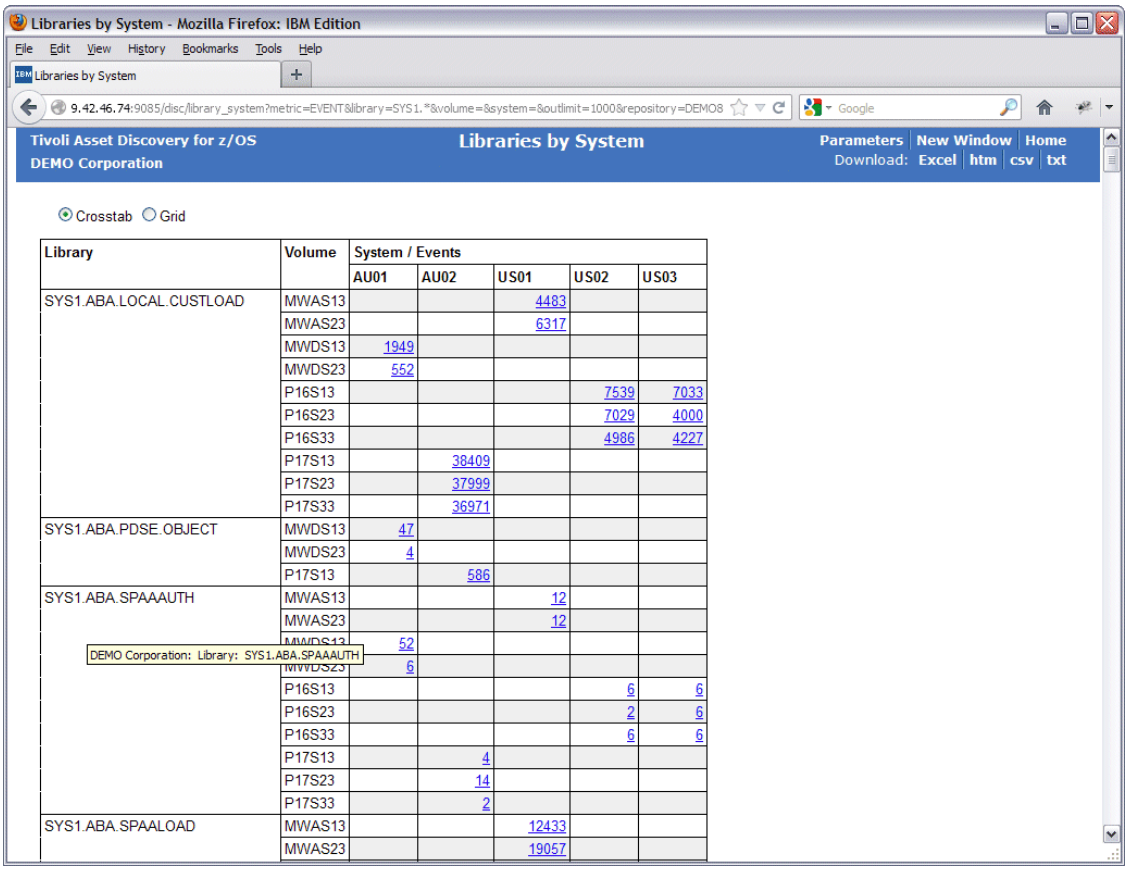
Sample Output Last Used Metric:



Library	Volume	System / Last Used				
		AU01	AU02	US01	US02	US03
SYS1.ABA.LOCAL.CUSTLOAD	MWAS13			2012-07-01		
	MWAS23			2012-07-01		
	MWDS13	2012-06-01				
	MWDS23	2012-05-01				
	P16S13				2012-07-01	2012-07-01
	P16S23				2012-07-01	2012-07-01
	P16S33				2012-07-01	2012-07-01
	P17S13		2012-06-01			
	P17S23		2012-06-01			
	P17S33		2012-06-01			
SYS1.ABA.PDSE.OBJECT	MWDS13	2012-04-01				
	MWDS23	2012-05-01				

Last Used shows the Last time the Library was used on each system and also the Volser it was used on.

Sample Output Module Events Metric:



Library	Volume	System / Events				
		AU01	AU02	US01	US02	US03
SYS1.ABA.LOCAL.CUSTLOAD	MWAS13			4483		
	MWAS23			6317		
	MWDS13	1949				
	MWDS23	552				
	P16S13				7539	7033
	P16S23				7029	4000
	P16S33				4986	4227
	P17S13		38409			
	P17S23		37999			
	P17S33		36971			
SYS1.ABA.PDSE.OBJECT	MWDS13	47				
	MWDS23	4				
	P17S13		586			
SYS1.ABA.SPAAAUTH	MWAS13			12		
	MWAS23			12		
	[illegible]	52				
	[illegible]	6				
	P16S13				6	6
	P16S23				2	6
	P16S33				6	6
	P17S13		4			
	P17S23		14			
	P17S33		2			
SYS1.ABA.SPAALOAD	MWAS13			12433		
	MWAS23			19057		

The Events metric shows how many load modules were executed from the library.

Report columns

Column Name	Description
Library	Library name
Volume	The VOLSER the library is on
System	The System the Library was discovered on
Discovered Installed	The date the HLQ's was first discovered
Last Used	The date the library was last executed from
Events	How many events (load module executions) were record against the product for the shown library

Links to drilldown reports

- Discovered Installed: Search Libraries
- Last Used, Events: Product Library Usage

Search Libraries report

The Search Libraries report provides information about libraries that you search for.

Batch report query

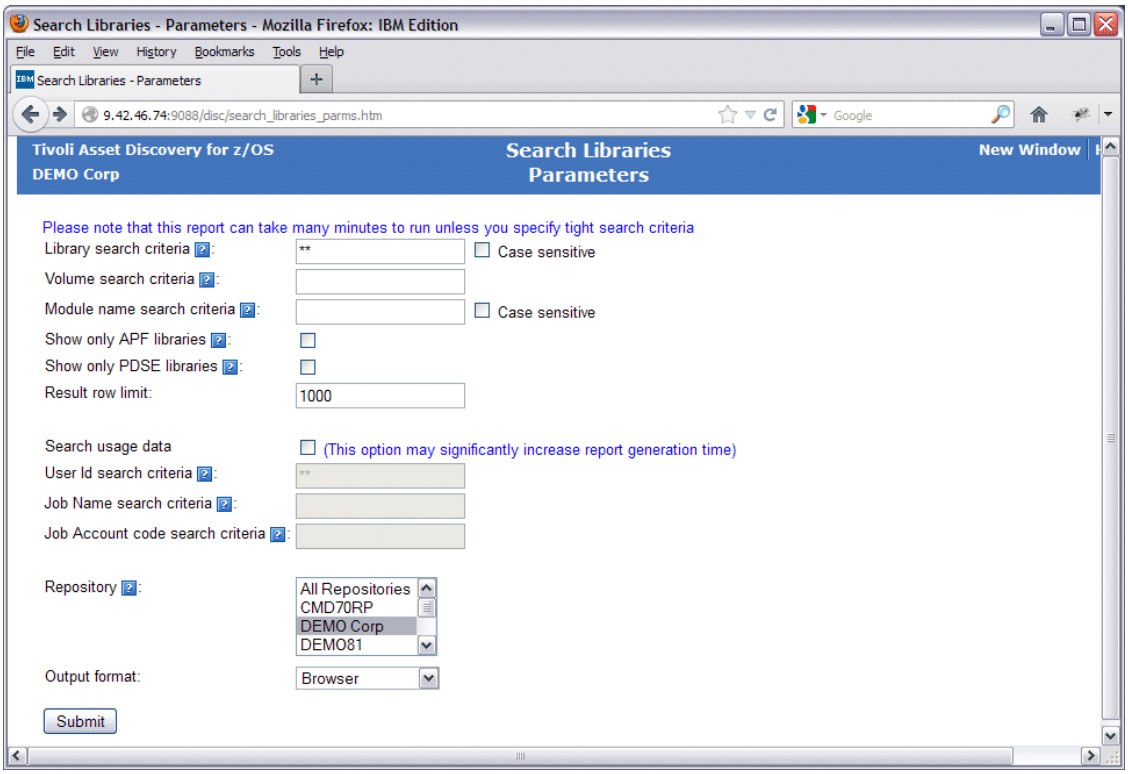
/disc/search_libraries
library = <*library*>
library_casei = *off*
volume = <*volume*>
module = <*module*>
module_casei = *off*
apf = *off*
outlimit = 1000
userid = <*userid*>
jobname = <*jobname*>
jobacc = <*jobacc*>
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Module name search criteria	module = <*module*>	Yes	Module search criteria
Module name search – case sensitive	module_casei = *on/off*	Yes	Module name search – case sensitive on search
Show only APF libraries	apf = *on/off*	Yes	Show only APF libraries
Show only PDSE libraries	pdse = *on/off*	Yes	Show only PDSE libraries
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Search usage data	N/A		Search usage data – activate for User Id, Job Name and Job Account code search.

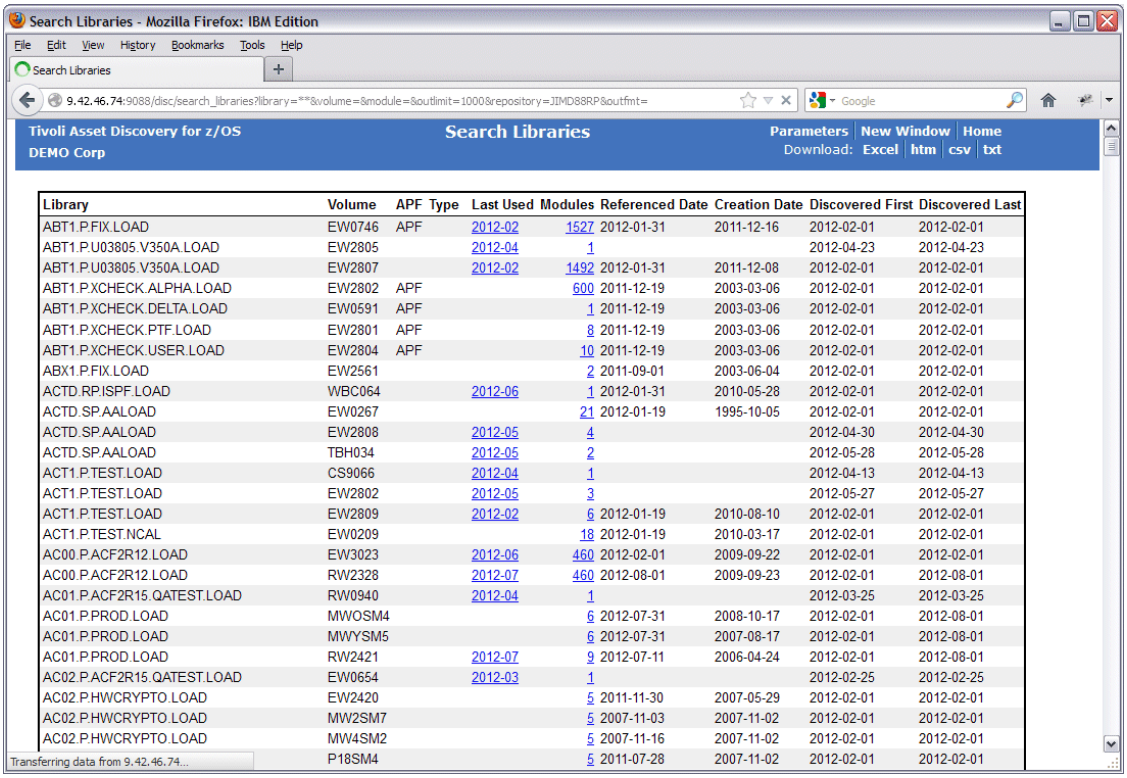
Online parameter	Batch mode parameter	Optional	Description
User Id search criteria	userid = <*userid*>	Yes	Search User ids
Job Name search criteria	*jobname* = <*jobname*>	Yes	Search jobs names
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Search job account codes
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Search Library screen allows you to enter a lot of different search criteria. For example if you just wanted to see libraries that were APF authorised or only show PDSE's then select those checkboxes.

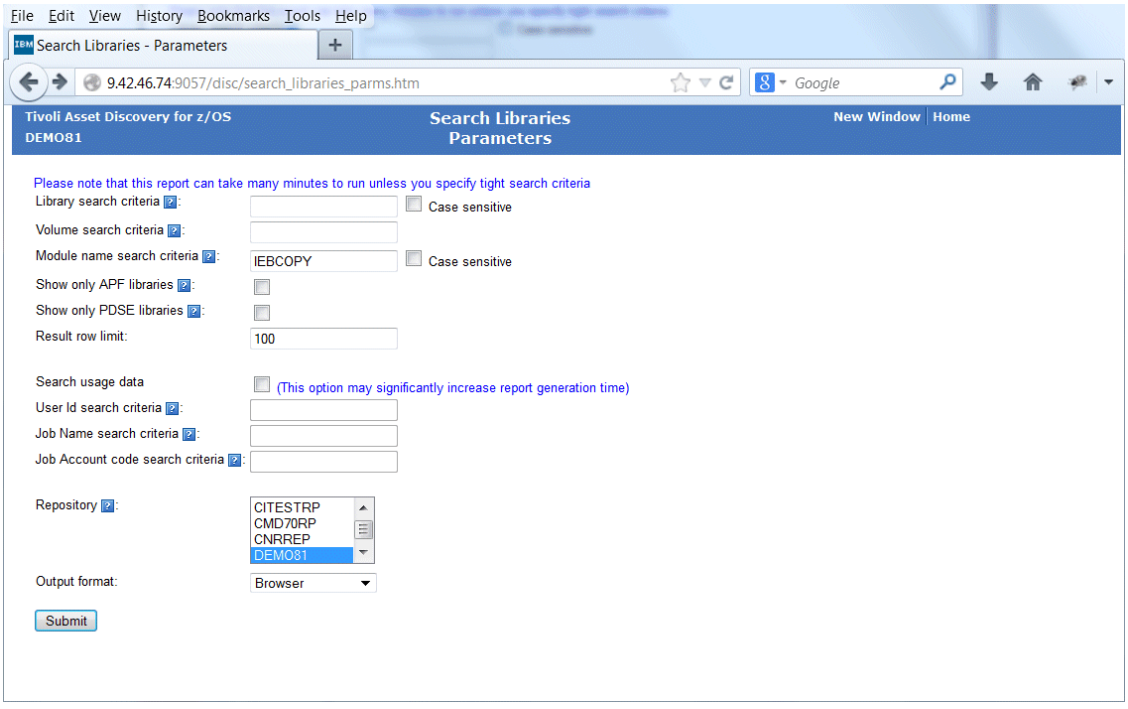
Sample Output Search Libraries:



Library	Volume	APF	Type	Last Used	Modules	Referenced Date	Creation Date	Discovered First	Discovered Last
ABT1.P.FIX.LOAD	EW0746	APF		2012-02	1527	2012-01-31	2011-12-16	2012-02-01	2012-02-01
ABT1.P.U03805.V350A.LOAD	EW2805			2012-04	1			2012-04-23	2012-04-23
ABT1.P.U03805.V350A.LOAD	EW2807			2012-02	1492	2012-01-31	2011-12-08	2012-02-01	2012-02-01
ABT1.P.XCHECK.ALPHA.LOAD	EW2802	APF			600	2011-12-19	2003-03-06	2012-02-01	2012-02-01
ABT1.P.XCHECK.DELTA.LOAD	EW0591	APF			1	2011-12-19	2003-03-06	2012-02-01	2012-02-01
ABT1.P.XCHECK.PTF.LOAD	EW2801	APF			8	2011-12-19	2003-03-06	2012-02-01	2012-02-01
ABT1.P.XCHECK.USER.LOAD	EW2804	APF			10	2011-12-19	2003-03-06	2012-02-01	2012-02-01
ABX1.P.FIX.LOAD	EW2561				2	2011-09-01	2003-06-04	2012-02-01	2012-02-01
ACTD.RP.ISPF.LOAD	WBC064			2012-06	1	2012-01-31	2010-05-28	2012-02-01	2012-02-01
ACTD.SP.AALOAD	EW0267				21	2012-01-19	1995-10-05	2012-02-01	2012-02-01
ACTD.SP.AALOAD	EW2808			2012-05	4			2012-04-30	2012-04-30
ACTD.SP.AALOAD	TBH034			2012-05	2			2012-05-28	2012-05-28
ACT1.P.TEST.LOAD	CS9066			2012-04	1			2012-04-13	2012-04-13
ACT1.P.TEST.LOAD	EW2802			2012-05	3			2012-05-27	2012-05-27
ACT1.P.TEST.LOAD	EW2809			2012-02	6	2012-01-19	2010-08-10	2012-02-01	2012-02-01
ACT1.P.TEST.NCAL	EW0209				18	2012-01-19	2010-03-17	2012-02-01	2012-02-01
AC00.P.ACF2R12.LOAD	EW3023			2012-06	460	2012-02-01	2009-09-22	2012-02-01	2012-02-01
AC00.P.ACF2R12.LOAD	RW2328			2012-07	460	2012-08-01	2009-09-23	2012-02-01	2012-08-01
AC01.P.ACF2R15.QATEST.LOAD	RW0940			2012-04	1			2012-03-25	2012-03-25
AC01.P.PROD.LOAD	MWOSM4				6	2012-07-31	2008-10-17	2012-02-01	2012-08-01
AC01.P.PROD.LOAD	MWYSM5				6	2012-07-31	2007-08-17	2012-02-01	2012-08-01
AC01.P.PROD.LOAD	RW2421			2012-07	9	2012-07-11	2006-04-24	2012-02-01	2012-08-01
AC02.P.ACF2R15.QATEST.LOAD	EW0654			2012-03	1			2012-02-25	2012-02-25
AC02.P.HWCRYPTO.LOAD	EW2420				5	2011-11-30	2007-05-29	2012-02-01	2012-02-01
AC02.P.HWCRYPTO.LOAD	MW2SM7				5	2007-11-03	2007-11-02	2012-02-01	2012-02-01
AC02.P.HWCRYPTO.LOAD	MW4SM2				5	2007-11-16	2007-11-02	2012-02-01	2012-02-01
	P18SM4				5	2011-07-28	2007-11-02	2012-02-01	2012-02-01

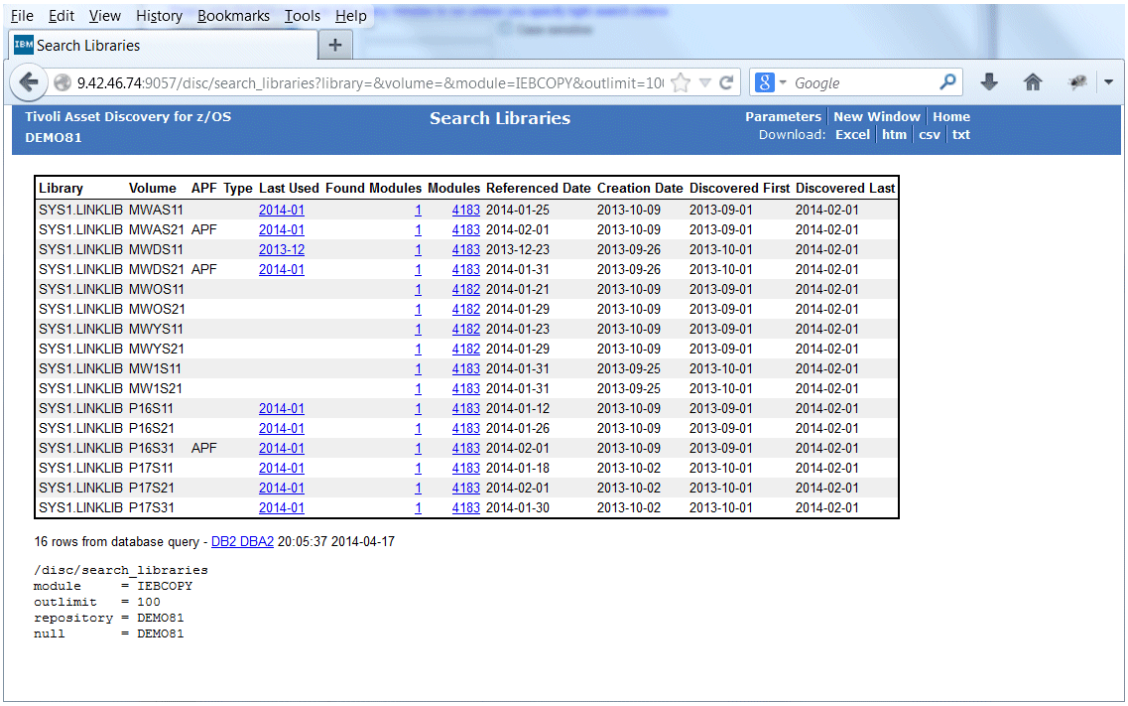
The output from the report shows the library detail information.

Sample Parameters module search:



The Search Library screen allows you to enter a lot of different search criteria. For example if you wanted to find out which library contained a module, enter the module name and submit.

Sample Output Search Libraries module:



File Edit View History Bookmarks Tools Help

Search Libraries

9.42.46.74:9057/disc/search_libraries?library=&volume=&module=IEBCOPY&outlimit=10

Tivoli Asset Discovery for z/OS
DEMO81

Search Libraries

Parameters | New Window | Home
Download: Excel | htm | csv | txt

Library	Volume	APF	Type	Last Used	Found Modules	Modules	Referenced Date	Creation Date	Discovered First	Discovered Last
SYS1.LINKLIB	MWAS11			2014-01	1	4183	2014-01-25	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MWAS21	APF		2014-01	1	4183	2014-02-01	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MWDS11			2013-12	1	4183	2013-12-23	2013-09-26	2013-10-01	2014-02-01
SYS1.LINKLIB	MWDS21	APF		2014-01	1	4183	2014-01-31	2013-09-26	2013-10-01	2014-02-01
SYS1.LINKLIB	MWOS11				1	4182	2014-01-21	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MWOS21				1	4182	2014-01-29	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MWYS11				1	4182	2014-01-23	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MWYS21				1	4182	2014-01-29	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	MW1S11				1	4183	2014-01-31	2013-09-25	2013-10-01	2014-02-01
SYS1.LINKLIB	MW1S21				1	4183	2014-01-31	2013-09-25	2013-10-01	2014-02-01
SYS1.LINKLIB	P16S11			2014-01	1	4183	2014-01-12	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	P16S21			2014-01	1	4183	2014-01-26	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	P16S31	APF		2014-01	1	4183	2014-02-01	2013-10-09	2013-09-01	2014-02-01
SYS1.LINKLIB	P17S11			2014-01	1	4183	2014-01-18	2013-10-02	2013-10-01	2014-02-01
SYS1.LINKLIB	P17S21			2014-01	1	4183	2014-02-01	2013-10-02	2013-10-01	2014-02-01
SYS1.LINKLIB	P17S31			2014-01	1	4183	2014-01-30	2013-10-02	2013-10-01	2014-02-01

16 rows from database query - DB2 DBA2 20:05:37 2014-04-17

```
/disc/search_libraries
module     = IEBCOPY
outlimit   = 100
repository = DEMO81
null       = DEMO81
```

The output above shows the libraries where module was found.

Report columns

Column Name	Description
Library	Library name
Volume	The VOLSER the library is on
APF	Is the library APF authorised
Type	If blank then PDS else it will show PDSE
Last Used	The date the library was last executed from
Found Modules	Number of modules searched for found in the library
Modules	Number of modules in the library
Referenced Date	The date the library was last acessed
Creation Date	The date the library was created
Discovered First	The first date the library was discovered
Discovered Last	The last date the library was discovered

Links to drilldown reports

- Last Used: Module usage details
- Found Modules: Search modules to see the found modules in the library
- Modules: Search modules to see all modules in the library

Search Modules report

The Search Modules report provides information about modules that you search for.

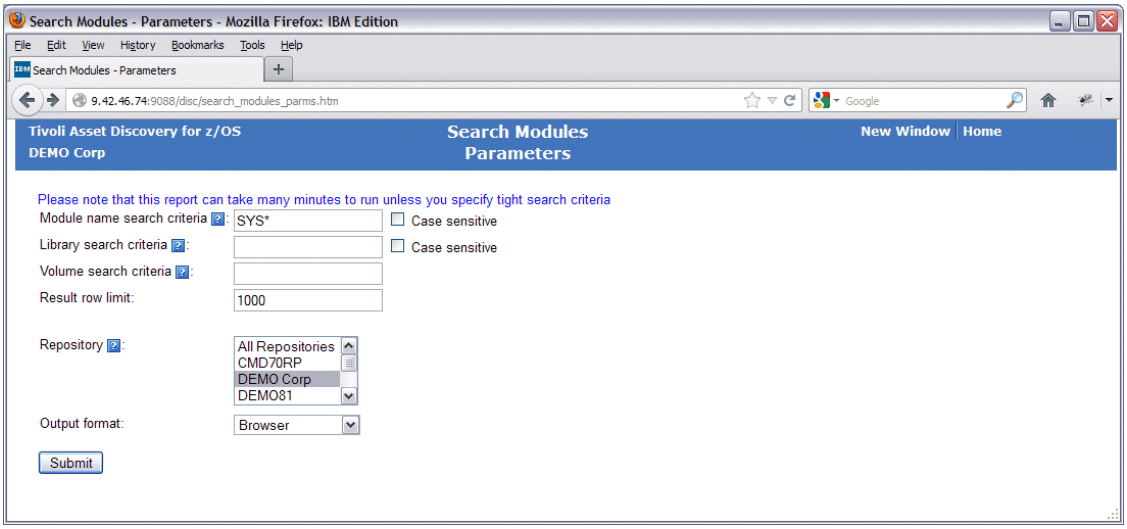
Batch report query

/disc/search_modules
module = <*module*>
module_casei = *off*
library = <*library*>
library_casei = *off*
volume = <*volume*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

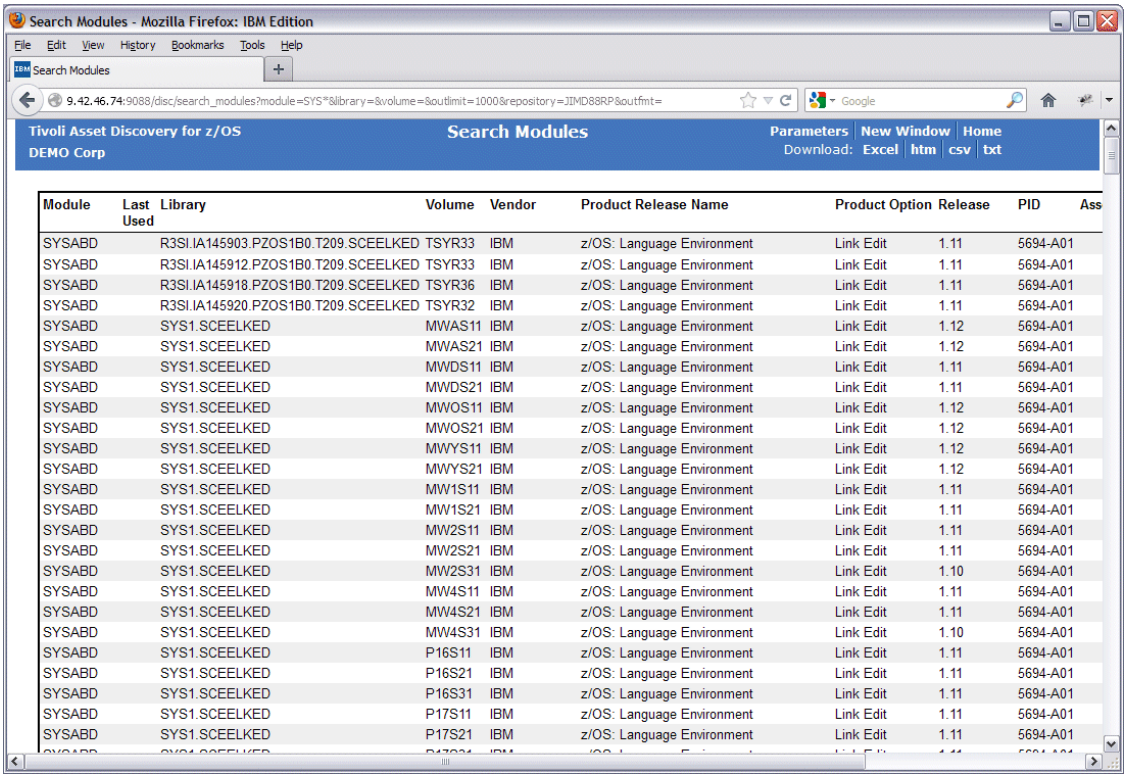
Online parameter	Batch mode parameter	Optional	Description
Module name search criteria	module = <*module*>	Yes	Module name to search
Module name search – case sensitive	module_casei = *on/off*	Yes	Module name search – case sensitive on search
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report can be used to find out where a module resides within the Repository. Wildcards can be used.

Sample Output Search Modules:



Module	Last Used	Library	Volume	Vendor	Product Release Name	Product Option	Release	PID	Ass
SYSABD		R3SI.IA145903.PZOS1B0.T209.SCEELKED	TSYR33	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		R3SI.IA145912.PZOS1B0.T209.SCEELKED	TSYR33	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		R3SI.IA145918.PZOS1B0.T209.SCEELKED	TSYR36	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		R3SI.IA145920.PZOS1B0.T209.SCEELKED	TSYR32	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MWAS11	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MWAS21	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MWDS11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MWDS21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MWOS11	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MWOS21	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MWYS11	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MWYS21	IBM	z/OS: Language Environment	Link Edit	1.12	5694-A01	
SYSABD		SYS1.SCEELKED	MW1S11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW1S21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW2S11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW2S21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW2S31	IBM	z/OS: Language Environment	Link Edit	1.10	5694-A01	
SYSABD		SYS1.SCEELKED	MW4S11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW4S21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	MW4S31	IBM	z/OS: Language Environment	Link Edit	1.10	5694-A01	
SYSABD		SYS1.SCEELKED	P16S11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	P16S21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	P16S31	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	P17S11	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	
SYSABD		SYS1.SCEELKED	P17S21	IBM	z/OS: Language Environment	Link Edit	1.11	5694-A01	

The output above shows that the module mask SYS* was found in the libraries above.

Report columns

Column Name	Description
Module	Load module name
Last Used	The date the module was last used
Library	Library name
Volume	The VOLSER the library is on
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Product Release Option	The Feature name of the product
Release	The complete Version Release Modification level of the product
PID	The PID of the product
Asset	The Asset version id
FMID	The FMID that the module belongs to
Module Size	The size of the module
Link Edit Date	The Link edit date of the module

Links to drilldown reports

- Last Used: Module usage details

Job Use by Product Library report

The Job Use by Product Library report provides a summary of job usage for a product library.

Batch report query

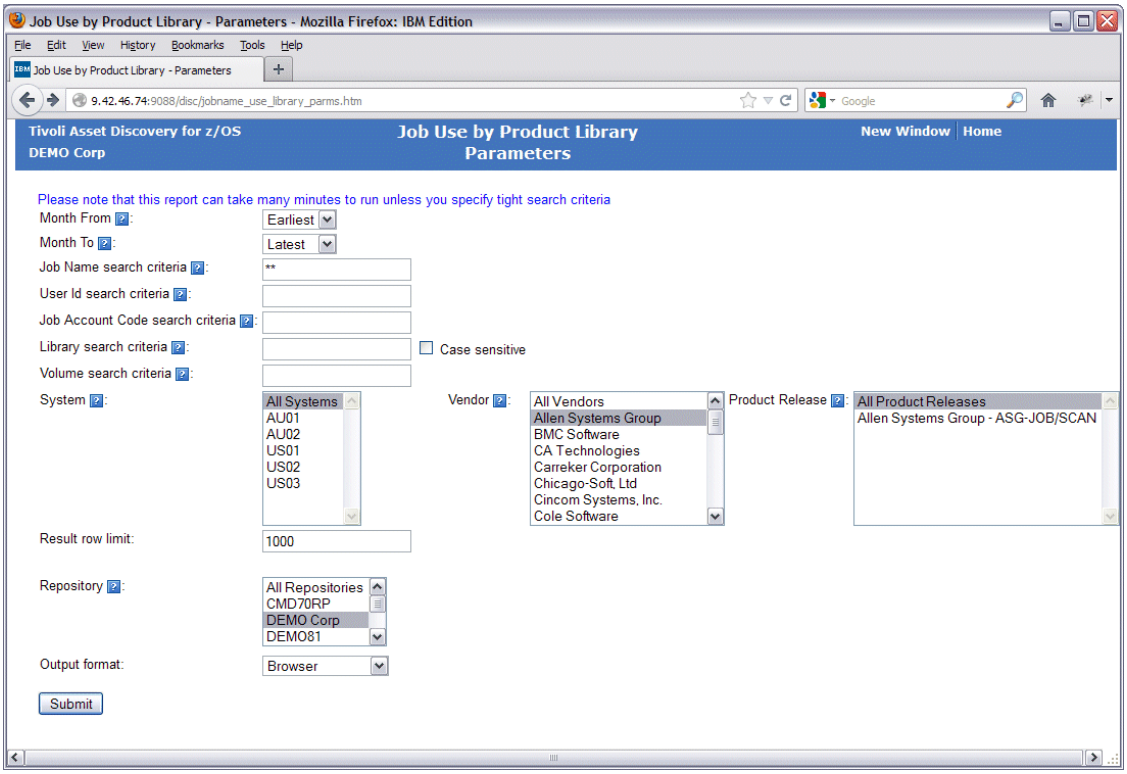
/disc/jobname_use_library
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
jobname = <*jobname*>
userid = <*userid*>
jobacc = <*jobacc*>
library = <*library*>
library_casei = *off*
volume = <*volume*>
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

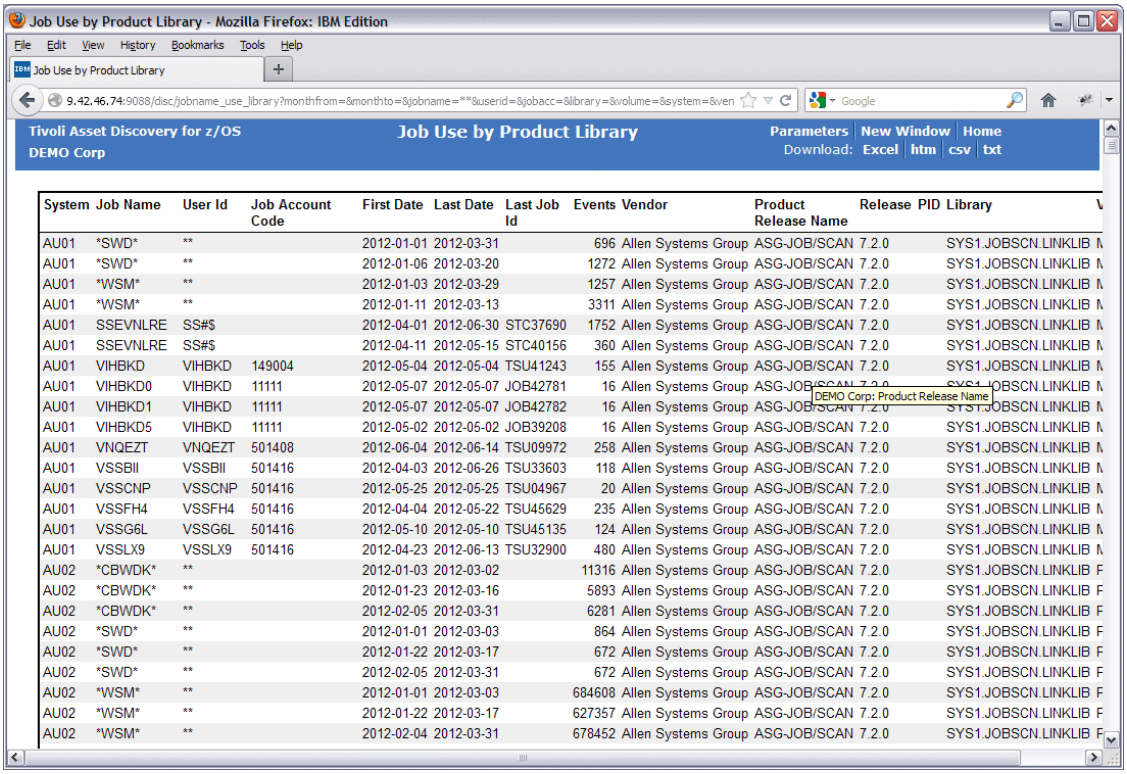
Online parameter	Batch mode parameter	Optional	Description
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
User Id search criteria	userid = <*userid*>	Yes	User id to search
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account to search
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
System	system = <*system*> To select multiple systems, repeat the	Yes	In batch mode, if you do not specify a system, all systems are included in the report.

Online parameter	Batch mode parameter	Optional	Description
	line for each additional system.		
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



Sample Output Job Use by Product Library:



System	Job Name	User Id	Job Account Code	First Date	Last Date	Last Job Id	Events	Vendor	Product Release Name	Release	PID	Library
AU01	*SWD*	**		2012-01-01	2012-03-31		696	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	*SWD*	**		2012-01-06	2012-03-20		1272	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	*WSM*	**		2012-01-03	2012-03-29		1257	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	*WSM*	**		2012-01-11	2012-03-13		3311	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	SSEVNLRE	SS#$		2012-04-01	2012-06-30	STC37690	1752	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	SSEVNLRE	SS#$		2012-04-11	2012-05-15	STC40156	360	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VIHBKD	VIHBKD	149004	2012-05-04	2012-05-04	TSU41243	155	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VIHBKD0	VIHBKD	11111	2012-05-07	2012-05-07	JOB42781	16	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VIHBKD1	VIHBKD	11111	2012-05-07	2012-05-07	JOB42782	16	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VIHBKD5	VIHBKD	11111	2012-05-02	2012-05-02	JOB39208	16	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VNQEZT	VNQEZT	501408	2012-06-04	2012-06-14	TSU09972	258	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VSSBII	VSSBII	501416	2012-04-03	2012-06-26	TSU33603	118	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VSSCNP	VSSCNP	501416	2012-05-25	2012-05-25	TSU04967	20	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VSSFH4	VSSFH4	501416	2012-04-04	2012-05-22	TSU45629	235	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VSSG6L	VSSG6L	501416	2012-05-10	2012-05-10	TSU45135	124	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU01	VSSLX9	VSSLX9	501416	2012-04-23	2012-06-13	TSU32900	480	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*CBWDK*	**		2012-01-03	2012-03-02		11316	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*CBWDK*	**		2012-01-23	2012-03-16		5893	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*CBWDK*	**		2012-02-05	2012-03-31		6281	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*SWD*	**		2012-01-01	2012-03-03		864	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*SWD*	**		2012-01-22	2012-03-17		672	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*SWD*	**		2012-02-05	2012-03-31		672	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*WSM*	**		2012-01-01	2012-03-03		684608	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*WSM*	**		2012-01-22	2012-03-17		627357	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB
AU02	*WSM*	**		2012-02-04	2012-03-31		678452	Allen Systems Group	ASG-JOB/SCAN	7.2.0		SYS1.JOBSCN.LINKLIB

Report columns

Column Name	Description
System	The System the job ran on
Job Name	The name of the job
User id	The user id of the person who submitted the job
Job Account Code	The Account code used for the job
First Date	The First date the job ran
Last Date	The Last date the job ran
Last Job id	The Last job id used by the job
Events	How many events (load module executions) were record against the job for the shown library and product
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Release	The VRM of the product
PID	The PID of the product
Library	The library the product resides in
Volume	The VOLSER of the library

Links to drilldown reports

None

Usage Monitor Detail File report

The Usage Monitor Detail File report provides detailed information on the Usage Monitor file.

Batch report query

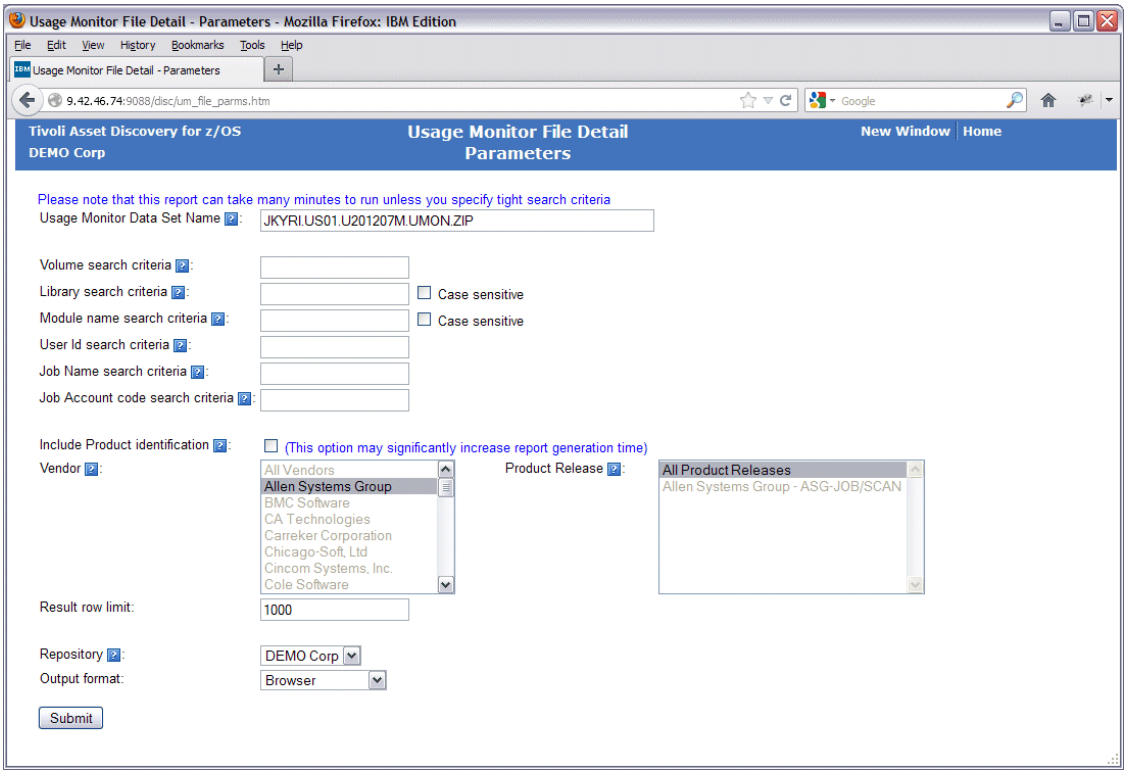
/disc/um_file
umdsn = <*umdsn*>
volume = <*volume*>
library = <*library*>
library_casei = *off*
module = <*module*>
module_casei = *off*
userid = <*userid*>
jobname = <*jobname*>
jobacc = <*jobacc*>
inclident = *off*
vendor = <*vendor*>
prodrel = <*prodrel*>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
Usage Monitor Data Set Name	umdsn = <*umdsn*>	No	Usage Monitor output data set or ZCAT output data set
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Module Name search criteria	module = <*module*>	Yes	Module name search criteria
Module name search – case sensitive	module_casei = *on/off*	Yes	Module name search – case sensitive on search
User Id search criteria	userid = <*userid*>	Yes	User id to search
Job Name search criteria	jobname = <*jobname*>	Yes	Job name to search
Job Account code search criteria	jobacc = <*jobacc*>	Yes	Job account to search
Include Product identification	inclident= *on/off*	Yes	Instead of just formatting the raw data, also query the

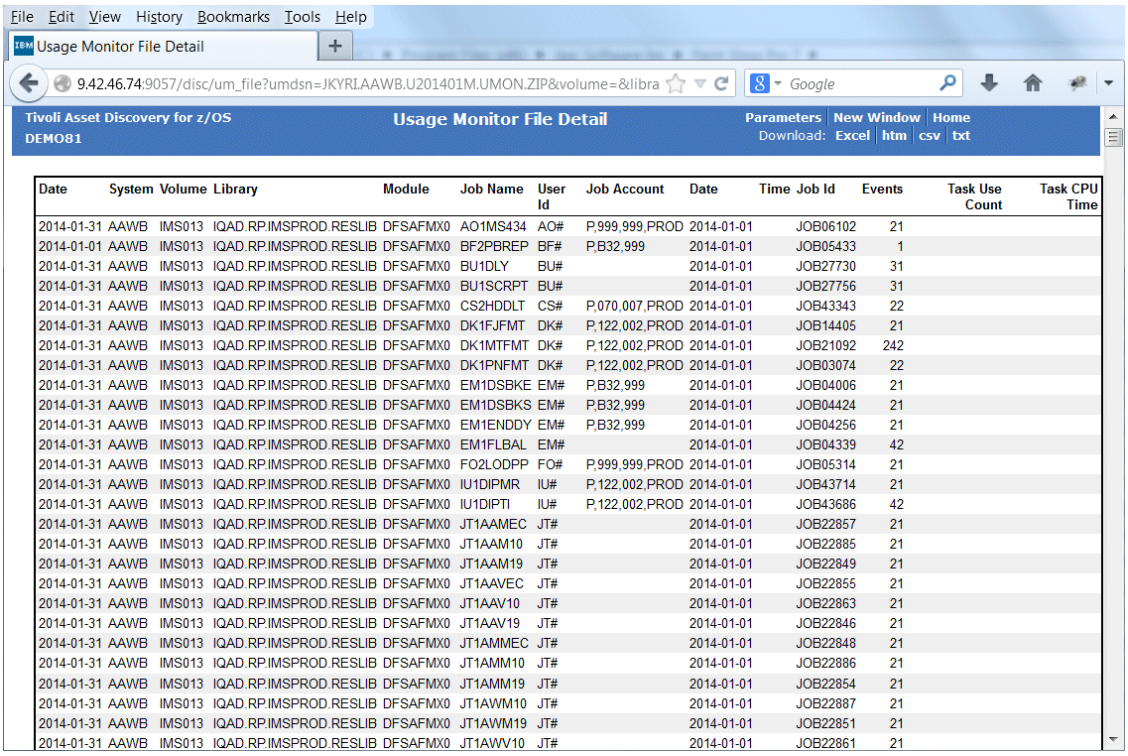
Online parameter	Batch mode parameter	Optional	Description
			database and show what product the module/s has been identified for
Vendor	vendor = <*vendor*> All vendors are included in the report.	Yes	In batch mode, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> All product releases are included in the report.	Yes	In batch mode, all product releases are included in the report.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The Usage Monitor Detail file report allows you to report from the raw collected usage data rather than the summarized imported usage data. For example in 8.1 you can now collect all the JOBIDs from the Usage Monitor for Batch jobs. When data is imported into the Repository these JOBIDs are not imported. Only the first JOBID is loaded for each daily execution. In most cases this is ok but there maybe situations where you want to view all the JOBID's. This report will show you that data.

Sample Output Usage Monitor File Detail:



File Edit View History Bookmarks Tools Help

Usage Monitor File Detail

9.42.46.74:9057/disc/um_file?umdsn=JKYRI.AAWB.U201401M.UMON.ZIP&volume=&libra

Google

Tivoli Asset Discovery for z/OS
DEMO81

Usage Monitor File Detail

Parameters | New Window | Home
Download: Excel | htm | csv | txt

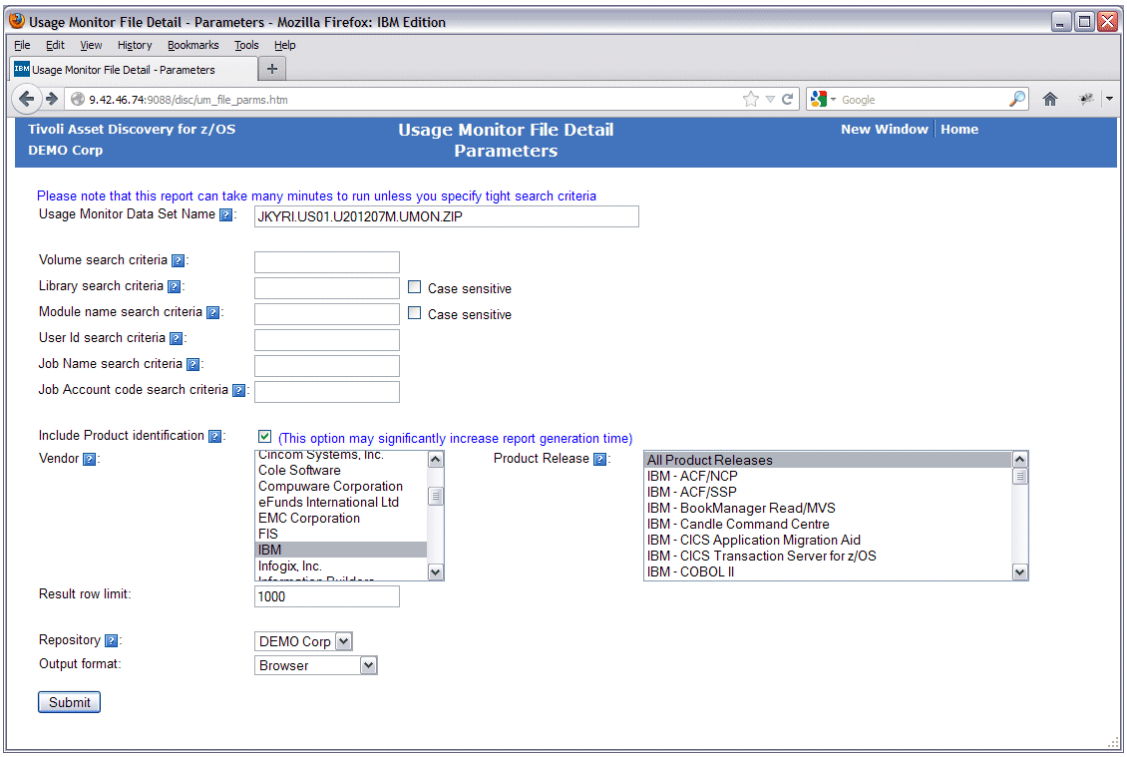
Date	System	Volume	Library	Module	Job Name	User Id	Job Account	Date	Time	Job Id	Events	Task Use Count	Task CPU Time
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	AO1MS434	AO#	P,999,999,PROD	2014-01-01		JOB06102	21		
2014-01-01	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	BF2PBREP	BF#	P,B32,999	2014-01-01		JOB05433	1		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	BU1DLY	BU#		2014-01-01		JOB27730	31		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	BU1SCRPT	BU#		2014-01-01		JOB27756	31		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	CS2HDDLT	CS#	P,070,007,PROD	2014-01-01		JOB43343	22		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	DK1FJFMT	DK#	P,122,002,PROD	2014-01-01		JOB14405	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	DK1MTFMT	DK#	P,122,002,PROD	2014-01-01		JOB21092	242		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	DK1PNFMT	DK#	P,122,002,PROD	2014-01-01		JOB03074	22		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	EM1DSBKE	EM#	P,B32,999	2014-01-01		JOB04006	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	EM1DSBKS	EM#	P,B32,999	2014-01-01		JOB04424	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	EM1ENDDY	EM#	P,B32,999	2014-01-01		JOB04256	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	EM1FLBAL	EM#		2014-01-01		JOB04339	42		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	FO2LODPP	FO#	P,999,999,PROD	2014-01-01		JOB05314	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	IU1DIPMR	IU#	P,122,002,PROD	2014-01-01		JOB43714	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	IU1DIPTI	IU#	P,122,002,PROD	2014-01-01		JOB43686	42		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAMEC	JT#		2014-01-01		JOB22857	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAM10	JT#		2014-01-01		JOB22885	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAM19	JT#		2014-01-01		JOB22849	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAVEC	JT#		2014-01-01		JOB22855	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAV10	JT#		2014-01-01		JOB22863	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AAV19	JT#		2014-01-01		JOB22846	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AMMEC	JT#		2014-01-01		JOB22848	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AMM10	JT#		2014-01-01		JOB22886	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AMM19	JT#		2014-01-01		JOB22854	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AWM10	JT#		2014-01-01		JOB22887	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AWM19	JT#		2014-01-01		JOB22851	21		
2014-01-31	AAWB	IMS013	IQAD.RP.IMSPROD.RESLIB	DFSAFMX0	JT1AWV10	JT#		2014-01-01		JOB22861	21		

The output above is the raw data without any Product association. This is the data as collected from the Usage Monitor.

Report columns

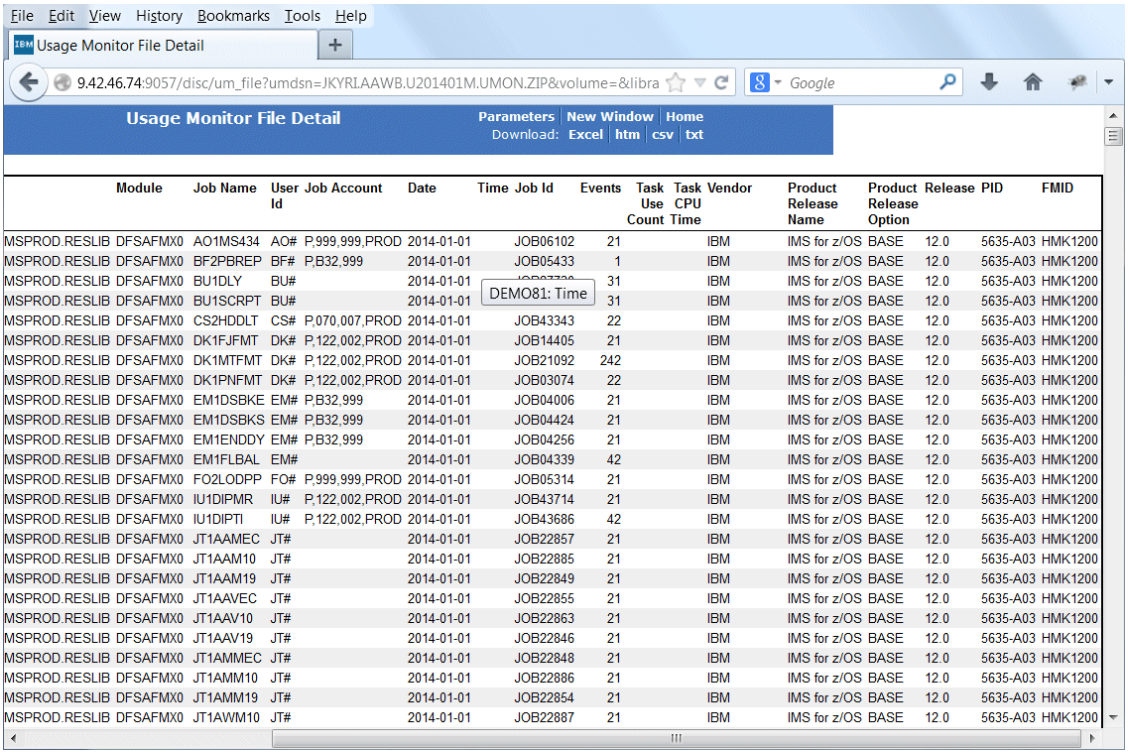
Column Name	Description
Date	The last date Usage was recorded for module
System	The System the usage was collected on
Volume	The VOLSER of the library
Library	The library the product usage came from
Module	The name of the module that usage was collected
Job Name	The name of the job
User id	The user id of the person who submitted the job
Job Account	The Account code used for the job
Date	The first date usage was recorded
Time	The time it was recorded
Job id	The job id used by the module
Events	How many events (load module executions) were record against the module for the shown library
Task Use Count	The number of times a program was attached as a task
Task CPU time	The amount of CPU time in 100ths of a second accumulated by the tasks attached to invoke the program

Sample Parameters:



To associate the Raw usage file with the Product information in the Repository, you must select the Include Product identification checkbox. You can also filter the data by selecting a Vendor or Product.

Sample Output Usage Monitor File Detail with Product Ident:



File Edit View History Bookmarks Tools Help

Usage Monitor File Detail

9.42.46.74:9057/disc/um_file?umdsn=JKYRI.AAWB.U201401M.UMON.ZIP&volume=&libra

Google

Usage Monitor File Detail

Parameters | New Window | Home

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Module	Job Name	User Id	Job Account	Date	Time	Job Id	Events	Task Use Count	Task CPU Time	Vendor	Product Release Name	Product Release Option	Release	PID	FMID
MSPROD.RESLIB	DFSAFMX0	AO1MS434	AO#	P,999,999,PROD	2014-01-01		JOB06102	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	BF2PBREP	BF#	P,B32,999	2014-01-01		JOB05433	1		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	BU1DLY	BU#		2014-01-01			31		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	BU1SCRPT	BU#		2014-01-01	DEMO81: Time		31		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	CS2HDDLT	CS#	P,070,007,PROD	2014-01-01		JOB43343	22		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	DK1FJFMT	DK#	P,122,002,PROD	2014-01-01		JOB14405	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	DK1MTFMT	DK#	P,122,002,PROD	2014-01-01		JOB21092	242		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	DK1PNFMT	DK#	P,122,002,PROD	2014-01-01		JOB03074	22		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	EM1DSBKE	EM#	P,B32,999	2014-01-01		JOB04006	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	EM1DSBKS	EM#	P,B32,999	2014-01-01		JOB04424	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	EM1ENDDY	EM#	P,B32,999	2014-01-01		JOB04256	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	EM1FLBAL	EM#		2014-01-01		JOB04339	42		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	FO2LODPP	FO#	P,999,999,PROD	2014-01-01		JOB05314	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	IU1DIPMR	IU#	P,122,002,PROD	2014-01-01		JOB43714	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	IU1DIPTI	IU#	P,122,002,PROD	2014-01-01		JOB43686	42		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAMEC	JT#		2014-01-01		JOB22857	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAM10	JT#		2014-01-01		JOB22885	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAM19	JT#		2014-01-01		JOB22849	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAVEC	JT#		2014-01-01		JOB22855	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAV10	JT#		2014-01-01		JOB22863	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AAV19	JT#		2014-01-01		JOB22846	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AMMEC	JT#		2014-01-01		JOB22848	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AMM10	JT#		2014-01-01		JOB22886	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AMM19	JT#		2014-01-01		JOB22854	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200
MSPROD.RESLIB	DFSAFMX0	JT1AWM10	JT#		2014-01-01		JOB22887	21		IBM	IMS for z/OS	BASE	12.0	5635-A03	HMK1200

The output above is the same as the original one except this time the Product information is now displayed against the module/library data of the raw Usage Monitor file.

Report columns

Column Name	Description
Date	The last date Usage was recorded for module
System	The System the usage was collected on
Volume	The VOLSER of the library
Library	The library the product usage came from
Module	The name of the module that usage was collected
Job Name	The name of the job
User id	The user id of the person who submitted the job
Job Account	The Account code used for the job
Date	The first date usage was recorded
Time	The time it was recorded
Job id	The job id used by the module
Events	How many events (load module executions) were record against the module for the shown library
Task Use Count	The number of times a program was attached as a task
Task CPU time	The amount of CPU time in 100ths of a second accumulated by the tasks attached to invoke the program

Column Name	Description
Vendor	The Vendor Name
Product Release Name	The Discovery name of the product
Release	The VRM of the product
PID	The PID of the product
FMID	The FMID of the product

Links to drilldown reports

None

Concatenation in Batch Mode

When running the Usage Monitor Detail report in batch it's possible to concatenate the Raw Usage files so the query can process more than 1 file. To do this in the Analyzer batch job HSISANLB modify the JCL as shown below:

```
//UMCONCAT DD DISP=SHR,DSN=SYSU.TAD4Z.US01.U201206M.UMON.ZIP
//         DD DISP=SHR,DSN=SYSU.TAD4Z.US01.U201206M.UMON.ZIP
//SYSIN    DD *
/disc/um_file
umdsn      = DD:UMCONCAT
library    = SYS1.*DB2LINK
inclident  = on
outlimit   = 9999999
repository = DEMO81
/
```

You can also select multiple libraries and module by using these extra keywords:

To select more than one library use:

flibname = SYS1.LINKLIB
flibname = SYS1.NUCLEUS

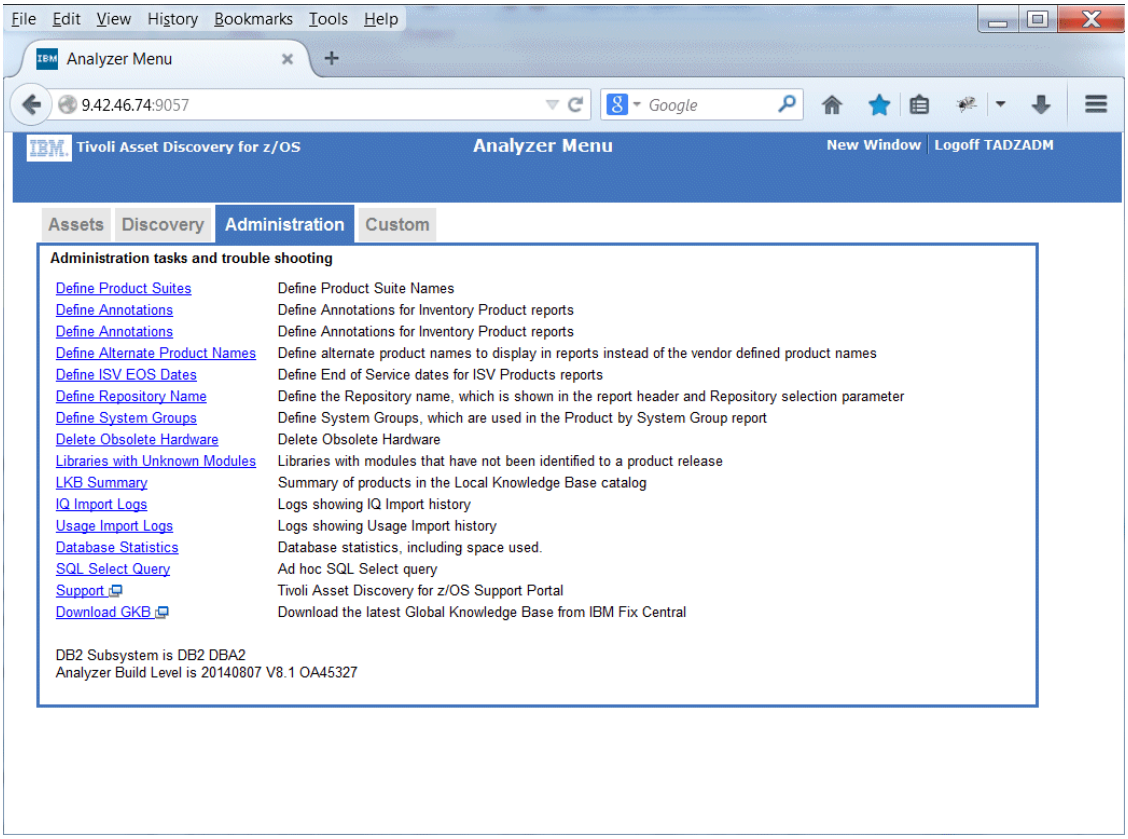
Note: to use the above flibname keyword the library name must be fully qualified. No wildcards allowed.

You can also select multiple load modules by using:

fmodname = MS1DEOI3
fmodname = MS1DKI14

Administration Tab

The Administration reports are primarily aimed at the TADz Administrator. This is where the administrator can create product definitions and also view TADz logs. The ability to run SQL queries from within the Analyzer is also possible from the Administration Tab. This tab will not be visible to all users. Only users with Admin access will see this tab.



The screen above shows the current Administration reports that are available.

Define Product Suites

Create Product Suite definitions that can be viewed in the Asset reports. There are some limitations in this release.

1. A product can only exist in one Product Suite. If you have a product that is in more than one suite, you will have to decide which suite to add the product to.
2. You cannot add a PID to a Product Suite. The workaround is to add the PID in the Product Suite name at the end.
3. The Asset reports Registered Products and Registered Product Usage do not support Product Suite Names.

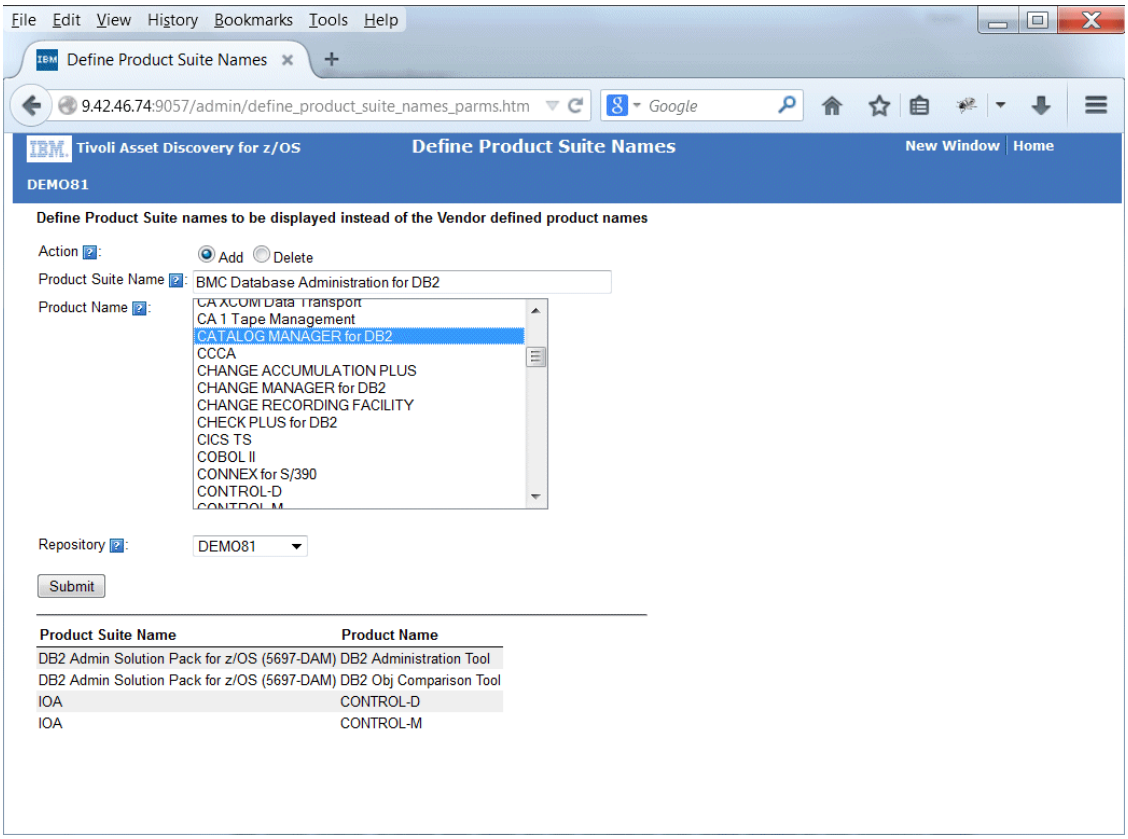
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Action	No	Choose from the following options: • **Add** to add a new Product Suite name. • **Delete** to select an existing Product Suite name for deletion.
Product Suite Name	No	The name you want the Product suite to be known as.
Product	No	Listing of products currently in the repository
Repository	No	The name of the repository to update.

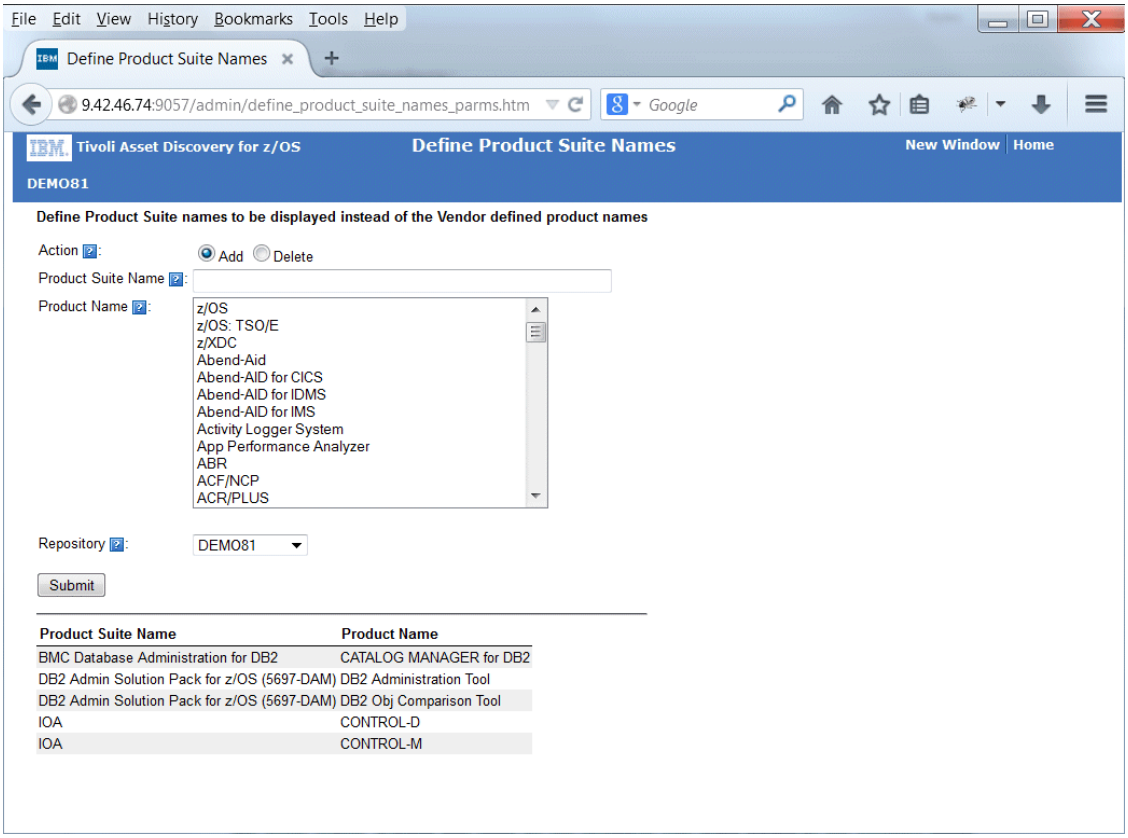
Sample Parameters:



In 8.1 you can now create Product Suites. You can add identified products to a Suite so they can be viewed under a single name rather than the individual names.

To create a Product Suite Name select the Action Add. Enter a product suite name and then select a product from the product list to add to the Suite Name. Press Submit to add the Suite Name. Repeat this until all the products you want added to the Product Suite have been added.

Sample Output Define Product Suite Names:



The screen above shows the new Product Suite Name and the product that was associated to the Suite.

Links to drilldown reports

None

Define Annotations

Specify annotations that you can then view in Analyzer reports.

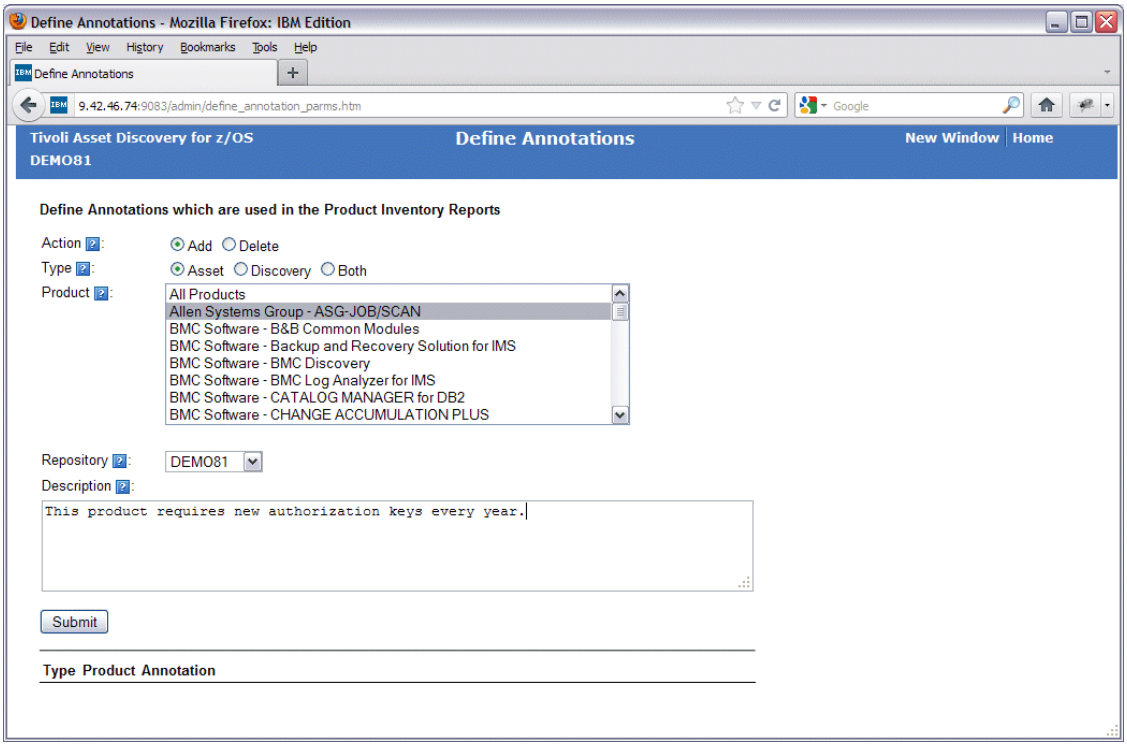
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Action	No	Choose from the following options: • **Add** to add a new annotation. • **Delete** to select an existing annotation for deletion.
Type	No	Choose from the following options: • **Asset** creates an annotation for viewing in the Asset Product Inventory Report only. • **Discovery** creates an annotation for viewing in the Discovered Product Summary Report only. • **Both** creates an annotation in both of these reports.
Product	No	Listing of products currently in the repository
Repository	No	The name of the repository to update.
Description	No	Enter up to 255 characters for an annotation

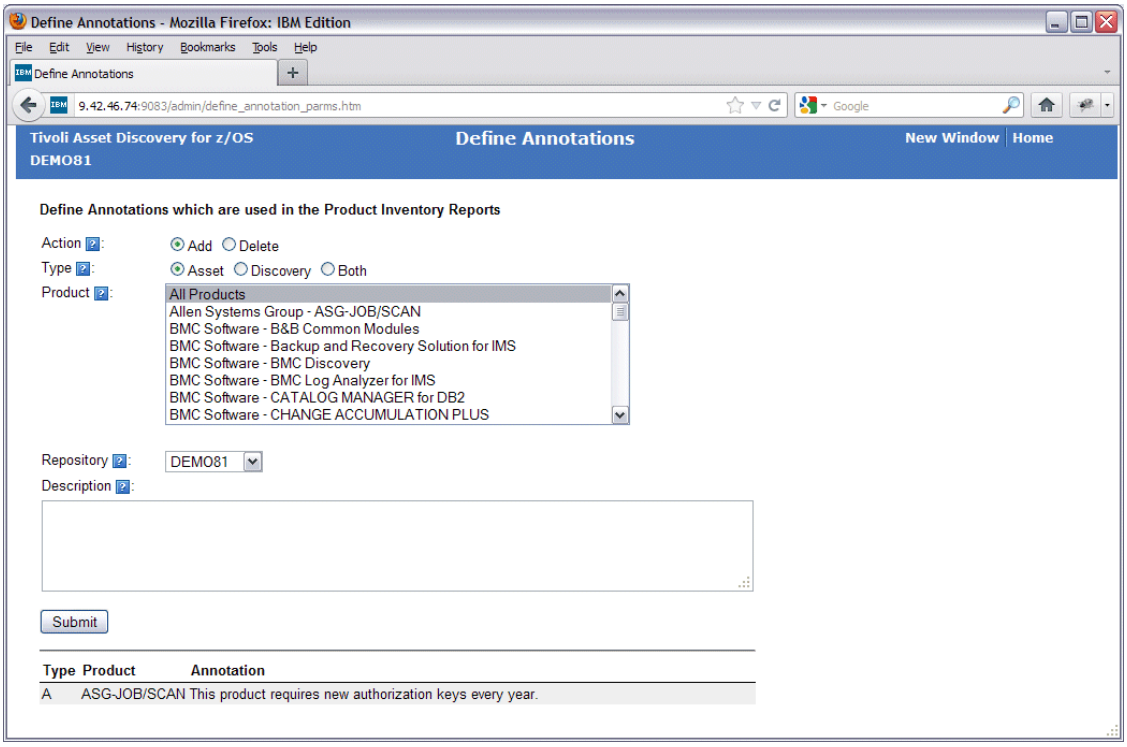
Sample Parameters:



In 8.1 you can now create and view Annotations. You can create different annotations for the Asset and Discovery reports or create a single annotation for both. An annotation applies to a product at the highest level. So when defining an annotation it will apply to all the versions of the product.

To create an annotation select the Action Add, then select the Type. Choose a product and then enter the description. The description is limited to 255 characters. Press Submit to add the annotation.

Sample Output Define Annotations:



At the bottom of the screen you can now see the annotation you've added. Annotations can only be viewed from 2 reports, Asset Product Inventory and Discovery Product Summary.

To delete an Annotation select the Action Delete then the Type you wish to delete. Select the product and then press Submit. This will delete the annotation.

Links to drilldown reports

None

Define Alternate Product Names

Specify alternate product names that you can view in the Analyzer Asset reports.

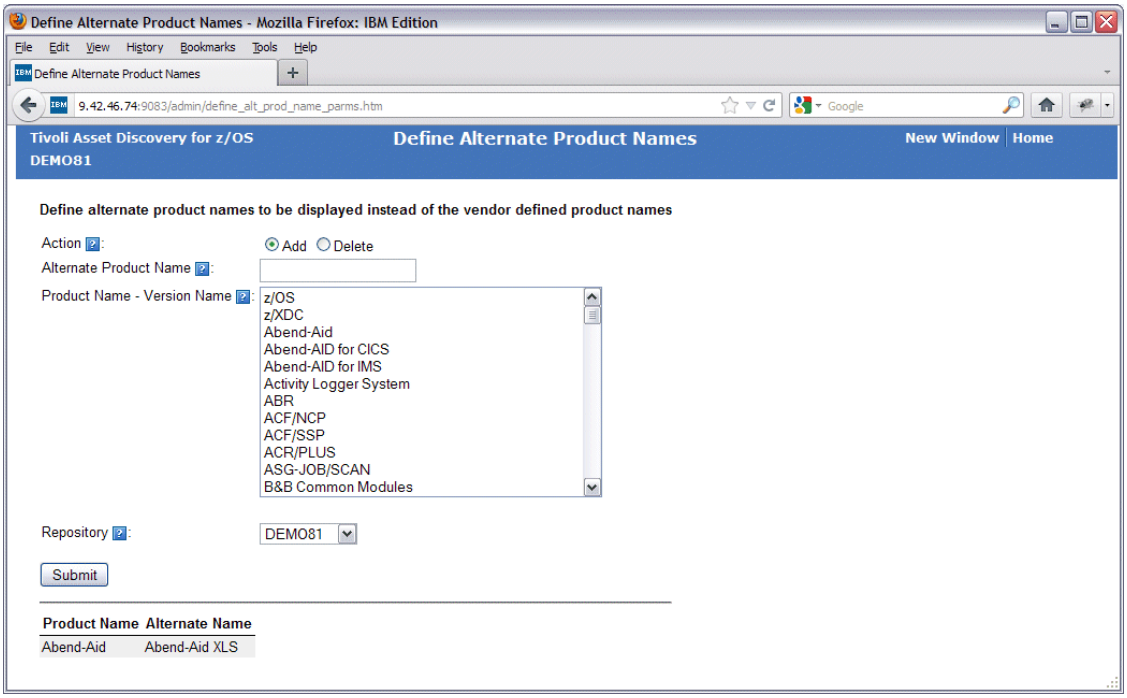
Batch report query

None

Sample Parameters:

Online parameter	Optional	Description
Action	No	Choose from the following options: • **Add** to add a new alternate product name. • **Delete** to select an existing alternate product name for deletion.
Alternate Product Name	No	Enter the alternate product name.
Product Name – Version Name	No	Listing of products and versions currently in the repository
Repository	No	The name of the repository to update.

Sample Parameters:



This is a new feature is Analyzer 8.1. You can now create your own custom Product names in the TADz Repository. All Analyzer Asset reports will show the alternate name you have defined. The Discovery reports will still continue to show the original name.

To create an Alternate name, select the Action, Add. Select the product name you wish to rename and then enter the new name in the Alternate Product Name text box. The length of the Alternate Name cannot exceed 50 characters. Press Submit and the alternate name will be created.

If you have multiple Repositories you will need to create the Alternate name for each Repository as the update is done real time.

Links to drilldown reports

None

Define ISV EOS Dates

Specify end of service dates for ISV products.

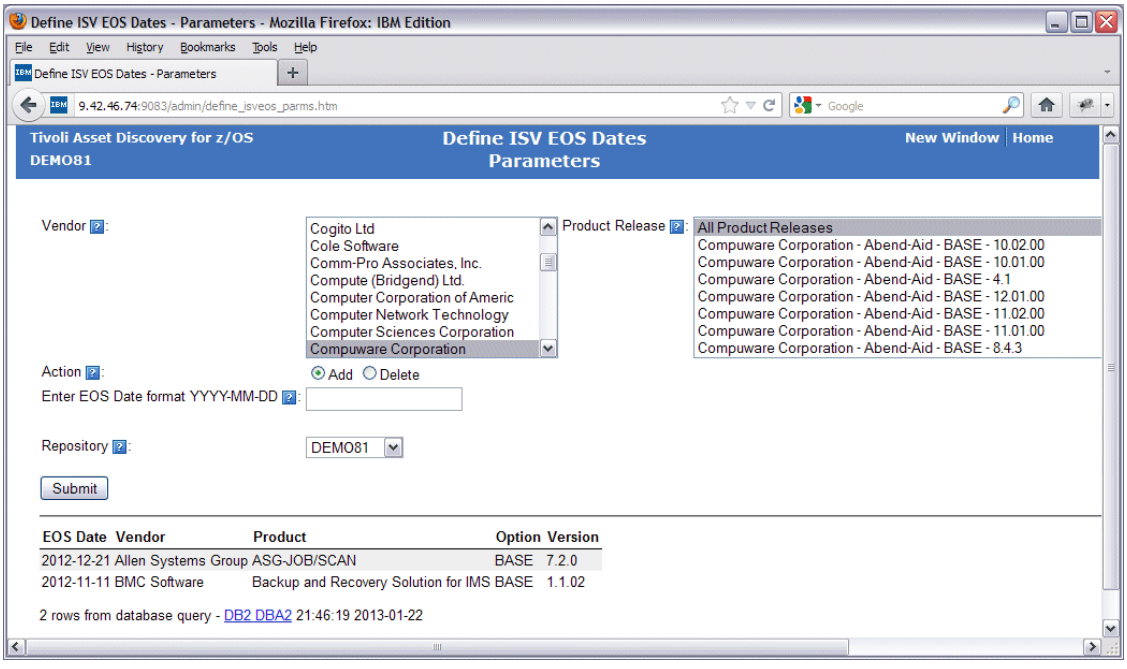
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Vendor	No	Choose a Vendor from the list.
Product Release	No	Choose a Product Release
Action	No	Choose one of the following options: • **Add** to add an ISV EOS date. • **Delete** to select an existing ISV EOS Date for deletion.
Date	No	Enter EOS date in the format *YYYY-MM-DD*
Repository	No	The name of the repository to update.

Sample Parameters:



EOS dates have always been available for IBM products and are maintained by IBM. In 8.1 we now allow the user to create ISV EOS dates. It's the user's responsibility to add and maintain these dates.

To create an EOS date for an ISV product, select the Vendor and then select the product including the version as the EOS date is applied to version of a product. Then select Action Add and then enter the EOS date with format YYYY-MM-DD. Press Submit to create the entry in the EOS ISV table. These entries are then added to the GKB tables when the next GKB is loaded. You must first uncomment the last step in the job HSISGKBL so the EOS ISV table can be added to the TVERSION table in the GKB.

For sites that have multiple Repositories but share the same GKB take note:
You can only create ISV EOS dates from one of the Repositories. We would recommend that it's the same Repository where the GKB is reloaded from. This way you only have one set of data to take care of and also stops data being overwritten. Each time the GKB is reloaded the ISV EOS data is also reloaded so make sure you use the same Repository to add new entries.

Links to drilldown reports

None

Define Repository Name

Specify an alternate name, or alias, for a repository.

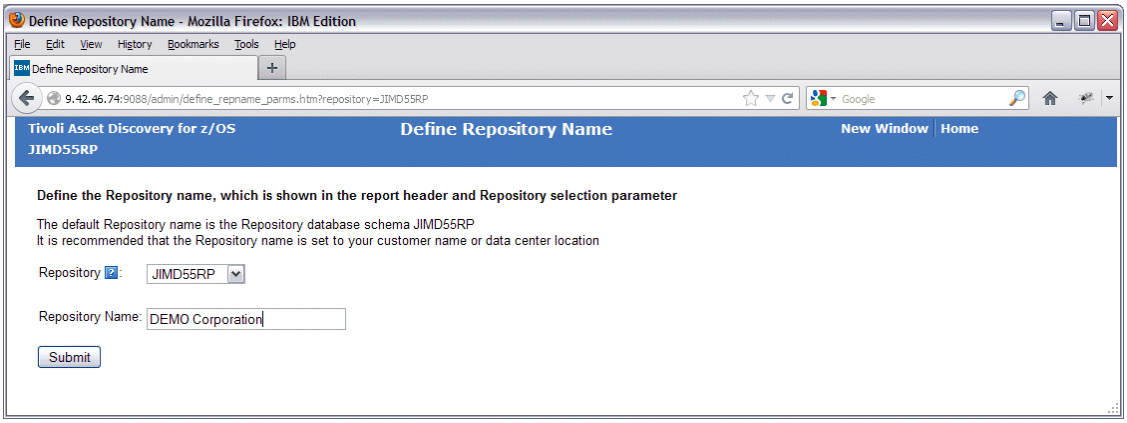
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Repository	No	Repository to rename
Repository Name	No	New name for repository

Sample Parameters:



You can change the name of your Repository to make the name more meaningful. A lot of sites have specific naming standards for database names and this facility allows you to rename the name defined on the system to a name you feel more comfortable with.

Select the Repository you wish to rename and then enter the replacement name in the Repository Name text box and Submit. This does not rename the database itself but just adds an alias entry for Analyzer reports.

Links to drilldown reports

None

Define System Groups

Specify a system group that groups together multiple systems that you can then view as a single entity in Analyzer reports.

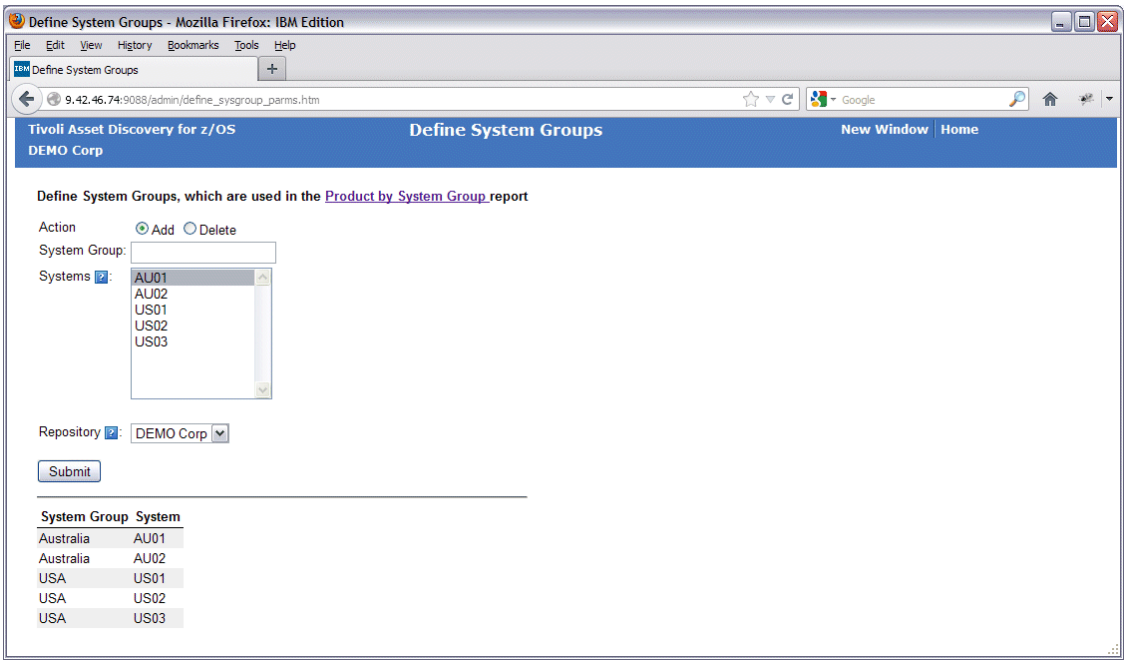
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Action	No	Select one of the following options: • **Add** to add a system group. • **Delete** to choose an existing system group for deletion.
System Group	No	Name of system group
Systems	No	Systems to add to the system group
Repository	No	The name of the repository to update.

Sample Parameters:



Defining System Groups allows you to group together systems under a single entity allowing for a single report to be created that links all the systems as if they were one.

Select Action Add then enter in the System Group name you want to create and select the Systems you want to be part of the System Group. Press Submit to create the new group.

Links to drilldown reports

None

Delete Obsolete Hardware

Specify obsolete hardware to delete.

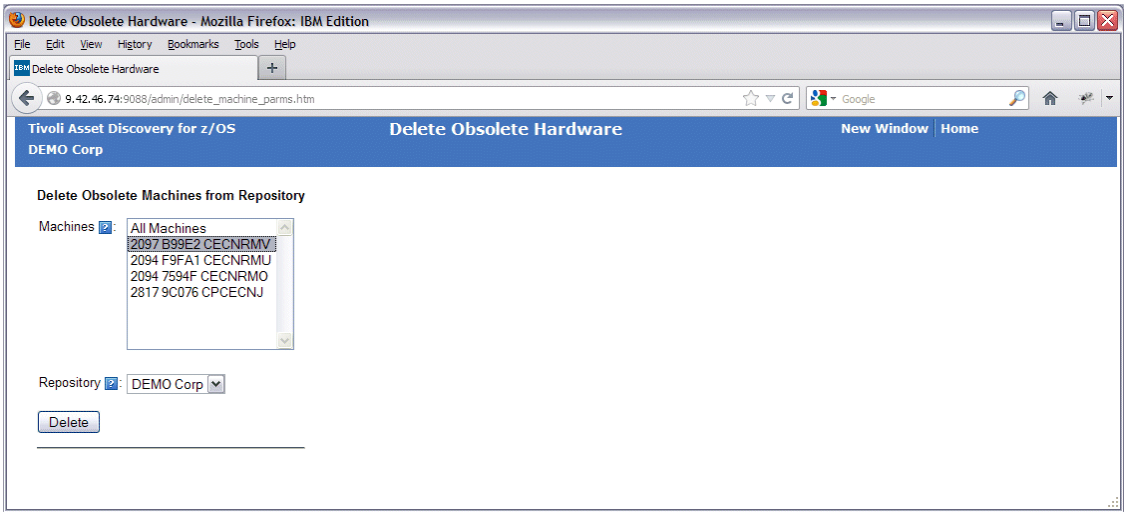
Batch report query

None

Input Parameters:

Online parameter	Optional	Description
Machines	No	Select the machines to delete from the list of machines
Repository	No	The name of the repository to query.

Sample Parameters:



There will be times when you change you hardware and when the next IQ scans are done the new hardware is added to the TADz Repository. All the systems that were on the old hardware are now assigned to the new hardware leaving the old hardware in the Repository. Make sure that all the systems have been scanned first before deleting the hardware.

Select the machine and press Delete. This will do a physical delete so make sure it's the correct machine as there is no way back unless of course you have taken a backup first.

Links to drilldown reports

None

Libraries with Unknown Modules report

The Libraries with Unknown Modules report provides information on libraries with modules that have not been accurately identified to a product release. Common reasons why this occurs are:

- The module is a customer developed application module, not a vendor product module
- The library contains a small subset of product modules that have been copied from a product library
- A new product release has been installed and it is not in the Global Knowledge Base

In cases where the Match Engine cannot accurately identify a product release is uses the following assignment logic:

1. If at least 80% of the module names in the library match a known product, THEN

   - The Vendor, Product, and Option are set to the known product.
   - The Release is set to UNKNOWN

2. ELSE the module name is in the Global Knowledge Base, THEN
   - The Vendor is set to Not Identified
   - The Product, Option, and Release are set to UNKNOWN.

3. ELSE
   - The Vendor is set to Not Identified
   - The Product, Option, and Release are set to None

Batch report query

/admin/library_unknown
system = <*system*>
vendor = <*vendor*>
prodrel = <*prodrel*>
scope = <*scope*>
library = <*library*>
library_casei = *off*
volume = <*volume*>
outlimit = 1000
repository = *&REPZSCHM*

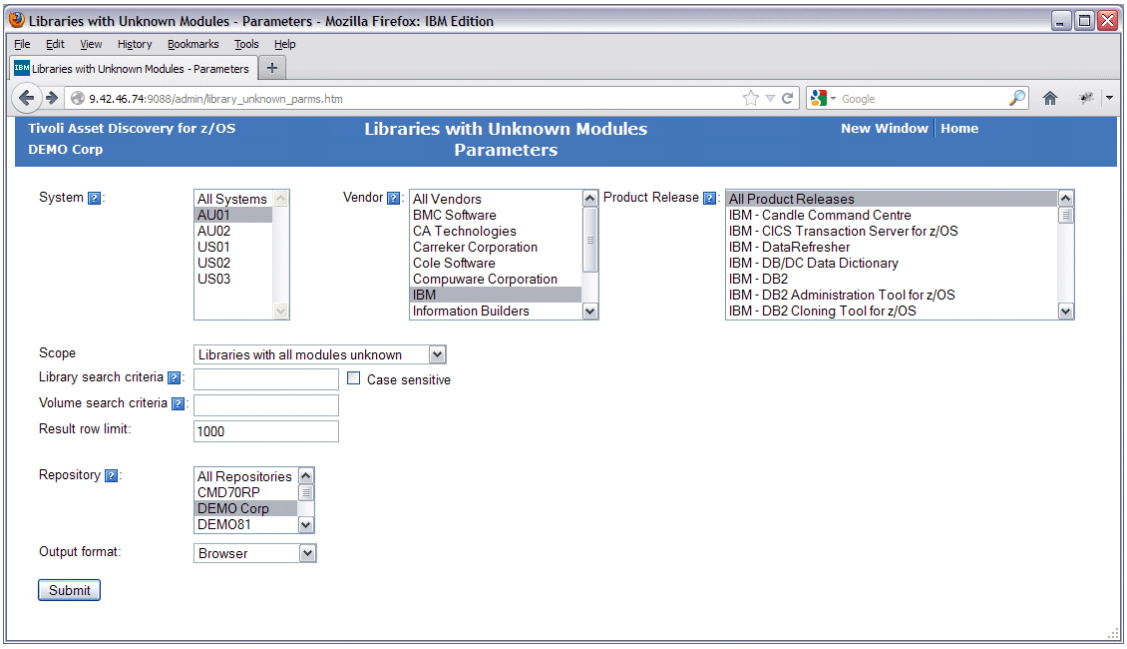
Input Parameters:

Online parameter	Batch mode parameter	Optional	Description
System	system = <*system*>	Yes	In batch mode, if you do not

Online parameter	Batch mode parameter	Optional	Description
	To select multiple systems, repeat the line for each additional system.		specify a system, all systems are included in the report.
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Scope	scope = <scope>	No	Metric parameter options are: • ANY: Libraries with any modules unknown • ALL: Libraries with all modules unknown • PARTIAL: Libraries with partial modules unknown
Library search criteria	library = <*library*>	Yes	Library search criteria
Library search – case sensitive	library_casei = *on/off*	Yes	Library search – case sensitive on search
Volume search criteria	volume = <*volume*>	Yes	Volume search criteria
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is

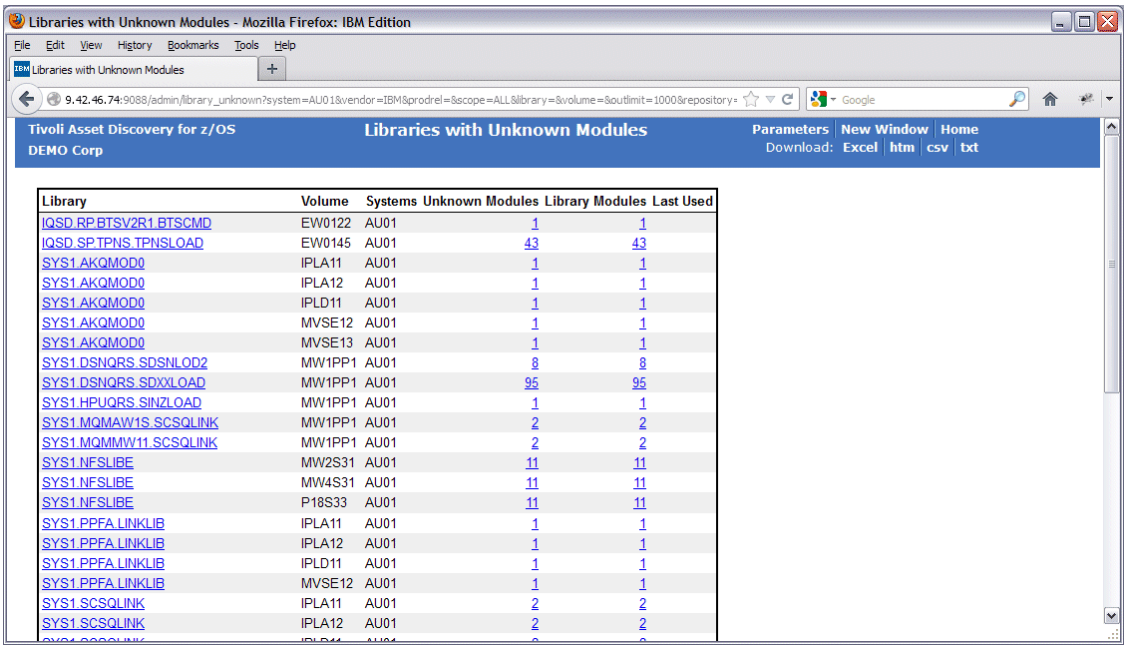
Online parameter	Batch mode parameter	Optional	Description
			included in the report.

Sample Parameters:



There will be times when not all modules will be identified for various reasons. So you need to check which of these modules are unknown. This report allows you to see those modules.

Sample Output Libraries with Unknown Modules:



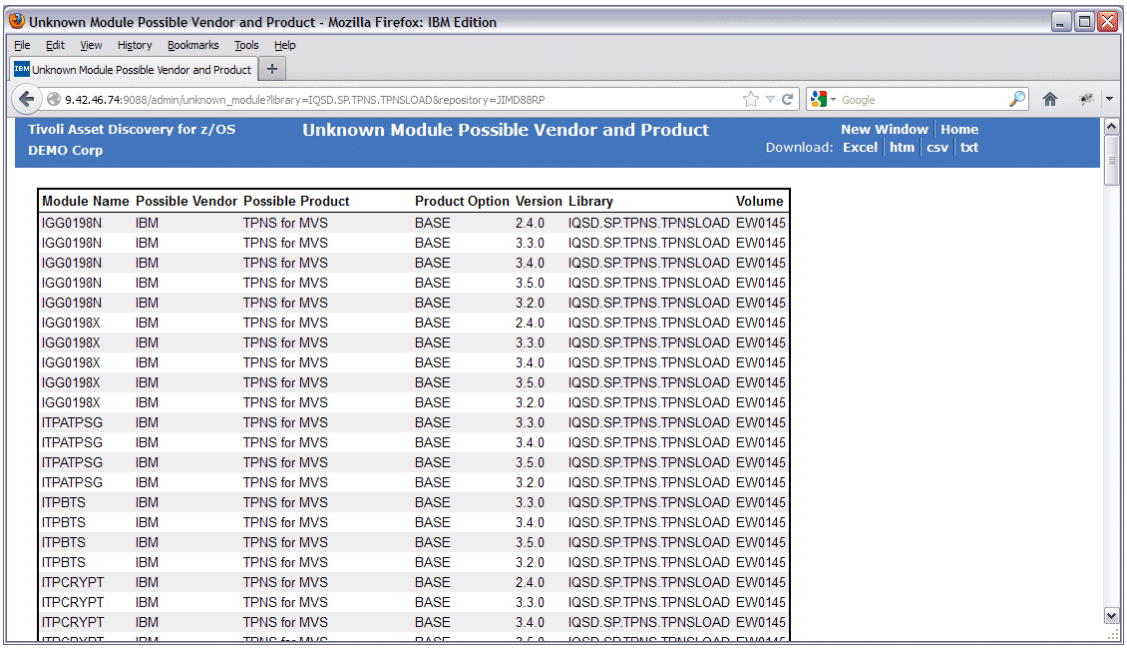
Library	Volume	Systems	Unknown Modules	Library Modules	Last Used
IQSD.RP.BTSV2R1.BTSCMD	EW0122	AU01	1	1	
IQSD.SP.TPNS.TPNSLOAD	EW0145	AU01	43	43	
SYS1.AKQMOD0	IPLA11	AU01	1	1	
SYS1.AKQMOD0	IPLA12	AU01	1	1	
SYS1.AKQMOD0	IPLD11	AU01	1	1	
SYS1.AKQMOD0	MVSE12	AU01	1	1	
SYS1.AKQMOD0	MVSE13	AU01	1	1	
SYS1.DSNQRS.SDSNLOD2	MW1PP1	AU01	8	8	
SYS1.DSNQRS.SDXXLOAD	MW1PP1	AU01	95	95	
SYS1.HPUQRS.SINZLOAD	MW1PP1	AU01	1	1	
SYS1.MQMAW1S.SCSQLINK	MW1PP1	AU01	2	2	
SYS1.MQMMW11.SCSQLINK	MW1PP1	AU01	2	2	
SYS1.NFSLIBE	MW2S31	AU01	11	11	
SYS1.NFSLIBE	MW4S31	AU01	11	11	
SYS1.NFSLIBE	P18S33	AU01	11	11	
SYS1.PPFA.LINKLIB	IPLA11	AU01	1	1	
SYS1.PPFA.LINKLIB	IPLA12	AU01	1	1	
SYS1.PPFA.LINKLIB	IPLD11	AU01	1	1	
SYS1.PPFA.LINKLIB	MVSE12	AU01	1	1	
SYS1.SCSQLINK	IPLA11	AU01	2	2	
SYS1.SCSQLINK	IPLA12	AU01	2	2	

The output above lists those libraries with Unknown modules. You can view the modules by selecting the Unknown Modules item but this will just show you the module information. The report lists what products the module might belong to, select the library and the Unknown Module Possible report will be displayed.

Report columns

Column Name	Description
Library	The library with Unknown modules
Volume	The VOLSER of the library
Systems	The System the library is on
Unknown Modules	The number of Unknown Modules or None
Library Modules	The total number of modules in the library
Last Used	The last date the library was executed form

Sample Output Unknown Module Possible Product:



Module Name	Possible Vendor	Possible Product	Product Option	Version	Library	Volume
IGG0198N	IBM	TPNS for MVS	BASE	2.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198N	IBM	TPNS for MVS	BASE	3.3.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198N	IBM	TPNS for MVS	BASE	3.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198N	IBM	TPNS for MVS	BASE	3.5.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198N	IBM	TPNS for MVS	BASE	3.2.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198X	IBM	TPNS for MVS	BASE	2.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198X	IBM	TPNS for MVS	BASE	3.3.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198X	IBM	TPNS for MVS	BASE	3.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198X	IBM	TPNS for MVS	BASE	3.5.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
IGG0198X	IBM	TPNS for MVS	BASE	3.2.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPATPSG	IBM	TPNS for MVS	BASE	3.3.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPATPSG	IBM	TPNS for MVS	BASE	3.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPATPSG	IBM	TPNS for MVS	BASE	3.5.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPATPSG	IBM	TPNS for MVS	BASE	3.2.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPBTS	IBM	TPNS for MVS	BASE	3.3.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPBTS	IBM	TPNS for MVS	BASE	3.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPBTS	IBM	TPNS for MVS	BASE	3.5.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPBTS	IBM	TPNS for MVS	BASE	3.2.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPCRYPT	IBM	TPNS for MVS	BASE	2.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPCRYPT	IBM	TPNS for MVS	BASE	3.3.0	IQSD.SP.TPNS.TPNSLOAD	EW0145
ITPCRYPT	IBM	TPNS for MVS	BASE	3.4.0	IQSD.SP.TPNS.TPNSLOAD	EW0145

This report show the module name and if there is an entry in the GKB for this module we will list all possible products the module might belong to. This is useful to make sure that users don't take copies of modules and put them into private libraries, and to detect unidentified partial copies of product libraries, which can leave you open to breach of a vendor license.

Report columns

Column Name	Description
Module Name	The name of the module
Possible Vendor	The name of Vendor the module might belong to
Possible Product	The name of Product the module might belong to
Product Option	The name of the product option
Version	The version it might be
Library	The library with Unknown modules
Volume	The VOLSER of the library

Links to drilldown reports

- Library: Unknown Module report showing possible Vendor and Product that the module might belong to
- Unknown Modules: Search Modules to see all unknown modules in the library
- Library Modules: Search Modules to see all modules in the library
- Last Used: Product Library usage for unknown modules

LKB Summary report

The LKB Summary report provides a list of products in the Local Knowledge Base (LKB) catalog.

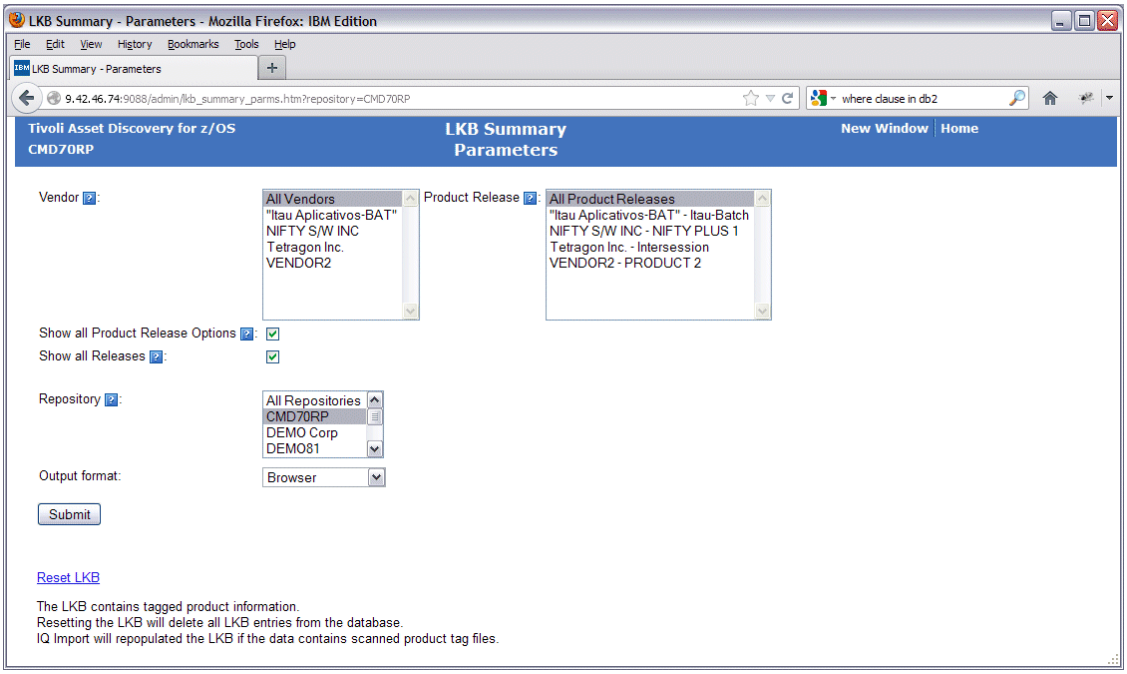
Batch report query

/admin/lkb_summary
vendor = <*vendor*>
prodrel = <*prodrel*>
showoption = *off*
showrel = *off*
repository = *&REPZSCHM*

Input Parameters:

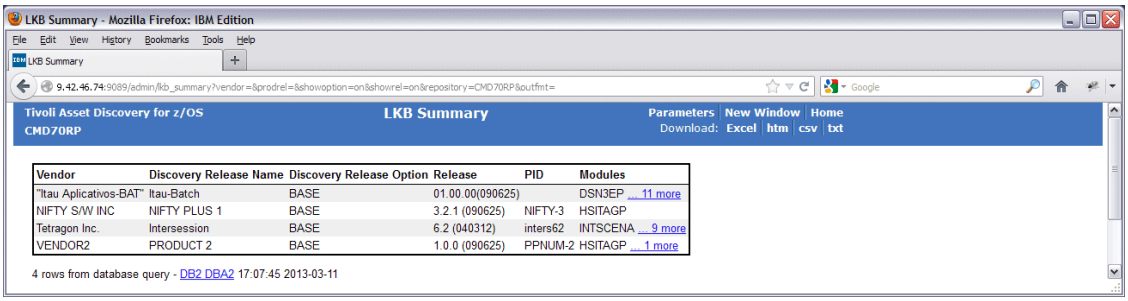
Online parameter	Batch mode parameter	Optional	Description
Vendor	vendor = <*vendor*> To select multiple vendors, repeat the line for each additional vendor.	Yes	In batch mode, if you do not specify a vendor, all vendors are included in the report.
Product Release	prodrel = <*prodrel*> To select multiple product releases, repeat the line for each additional product release.	Yes	In batch mode, if you do not specify a product release, all product releases are included in the report.
Show all Product Release Options	showoption = *on/off*	Yes	Include product release options in the report.
Show all Releases	showrel = *on/off*	Yes	Include all releases in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



This report lists the current entries in the selected LKB. These entries are formed from collected Tagger information created by processing user-supplied tag data. The IQIMPORT process will add all tag data present to the LKB before commencing program identification. You can delete all the LKB entries by pressing the Reset LKB item and all LKB entries will be removed.

Sample Output LKB Summary:



Links to drilldown reports

- Modules: Drill down to see all modules

IQ Import Logs report

The IQ Import Logs report provides an audit trail of Inquisitor Imports.

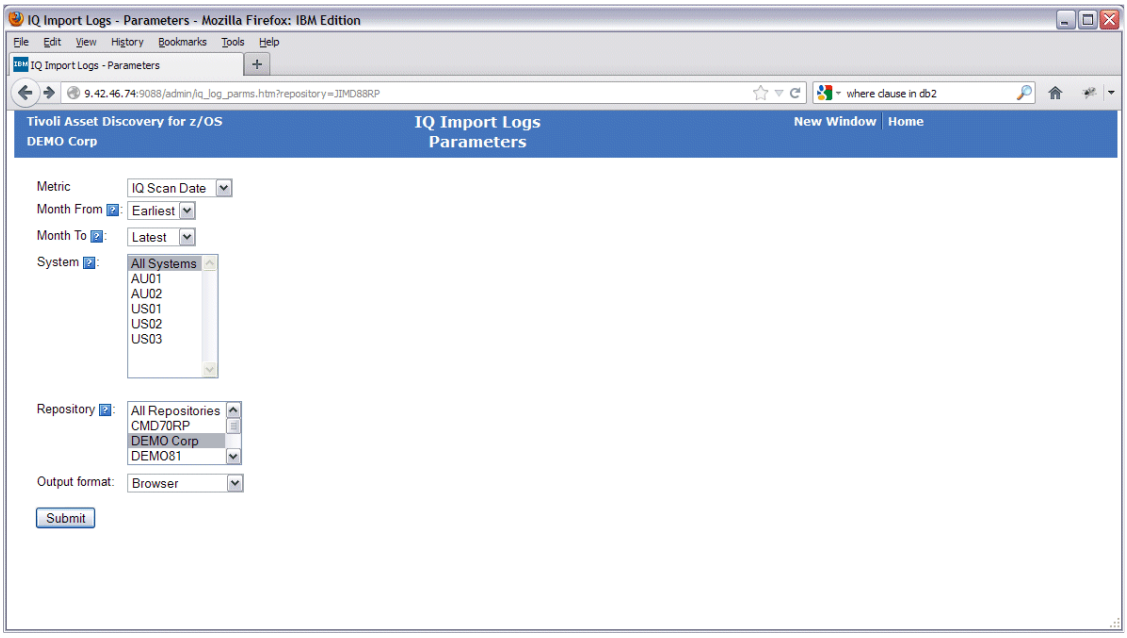
Batch report query

/admin/iq_log
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
repository = *&REPZSCHM*

Input Parameters:

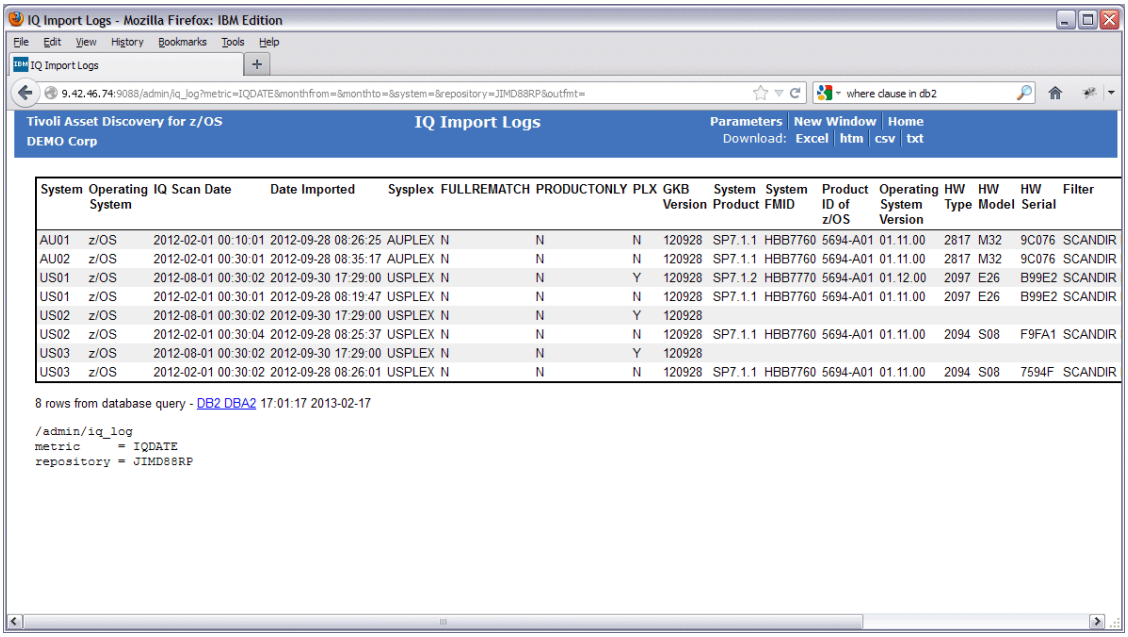
Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • IQDATE: Show data by IQ scan date. • IMPORTDATE: Show data by IQ import date.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



There will be times where you want to view the history of when IQIMPORTs were processed. This report allows you to view the IQ history data. You can select to view the data by scan date which was when the Inquisitor program (DASD scan) job was run or when the IQ data was actually loaded into the Repository.

Sample Output:



System	Operating System	IQ Scan Date	Date Imported	Sysplex	FULLREMATCH	PRODUCTONLY	PLX	GKB Version	System Product	System FMID	Product ID of z/OS	Operating System Version	HW Type	HW Model	HW Serial	Filter
AU01	z/OS	2012-02-01 00:10:01	2012-09-28 08:26:25	AUPLEX	N	N	N	120928	SP7.1.1	HBB7760	5694-A01	01.11.00	2817	M32	9C076	SCANDIR
AU02	z/OS	2012-02-01 00:30:01	2012-09-28 08:35:17	AUPLEX	N	N	N	120928	SP7.1.1	HBB7760	5694-A01	01.11.00	2817	M32	9C076	SCANDIR
US01	z/OS	2012-08-01 00:30:02	2012-09-30 17:29:00	USPLEX	N	N	Y	120928	SP7.1.2	HBB7770	5694-A01	01.12.00	2097	E26	B99E2	SCANDIR
US01	z/OS	2012-02-01 00:30:01	2012-09-28 08:19:47	USPLEX	N	N	N	120928	SP7.1.1	HBB7760	5694-A01	01.11.00	2097	E26	B99E2	SCANDIR
US02	z/OS	2012-08-01 00:30:02	2012-09-30 17:29:00	USPLEX	N	N	Y	120928								
US02	z/OS	2012-02-01 00:30:04	2012-09-28 08:25:37	USPLEX	N	N	N	120928	SP7.1.1	HBB7760	5694-A01	01.11.00	2094	S08	F9FA1	SCANDIR
US03	z/OS	2012-08-01 00:30:02	2012-09-30 17:29:00	USPLEX	N	N	Y	120928								
US03	z/OS	2012-02-01 00:30:02	2012-09-28 08:26:01	USPLEX	N	N	N	120928	SP7.1.1	HBB7760	5694-A01	01.11.00	2094	S08	7594F	SCANDIR

8 rows from database query - DB2 DBA2 17:01:17 2013-02-17

```
/admin/iq_log
metric     = IQDATE
repository = JIMD88RP
```

The output above shows all the details from the IQ log table. The Filter column shows what filtering was used when the IQ scan was done just in case data has gone missing etc.

Report columns

Column Name	Description
System	The name of the System the IQ scan was done on
Operating System	The operating system from the IQ scan
IQ Scan Date	The date the IQ was actually scanned
Date Imported	The date the IQ data was imported into TADz
Sysplex	The Sysplex name
FULLREMATCH	If a FULLREMATCH was done on the IQ data
PRODUCTONLY	If the PRODUCTONLY parm was set
PLX	If the IQ scan was for a Sysplex
GKB Version	The version of the GKB used during the match
System Product	The System Product collected on the system where the IQ scan was done
System FMID	The FMID from the System that was scanned
Product id of z/OS	The PID of the System scanned
Operating System Version	The operating System level
HW Type	The Hardware Type
HW Model	The Hardware model
HW Serial	The serial number of the hardware
Filter	List of filters used during the IQ scan

Links to drilldown reports

None

Usage Import Logs report

The Usage Import Logs report provides an audit trail of Usage Imports.

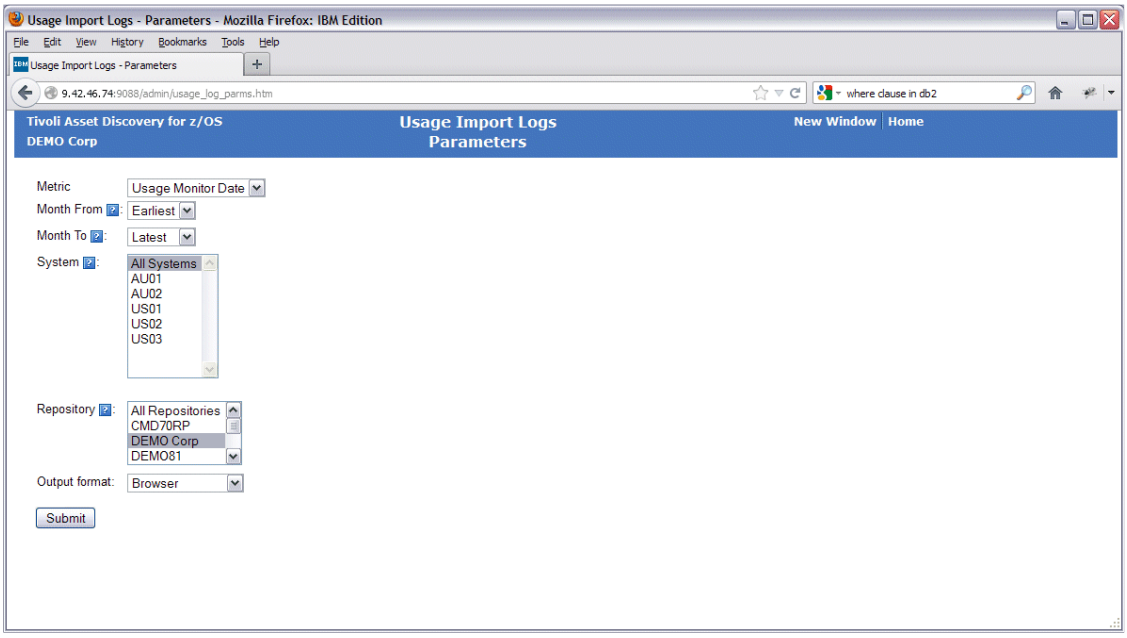
Batch report query

/admin/usage_log
metric = <*metric*>
monthfrom = *YYYY-MM*
monthto = *YYYY-MM*
system = <*system*>
repository = *&REPZSCHM*

Input Parameters:

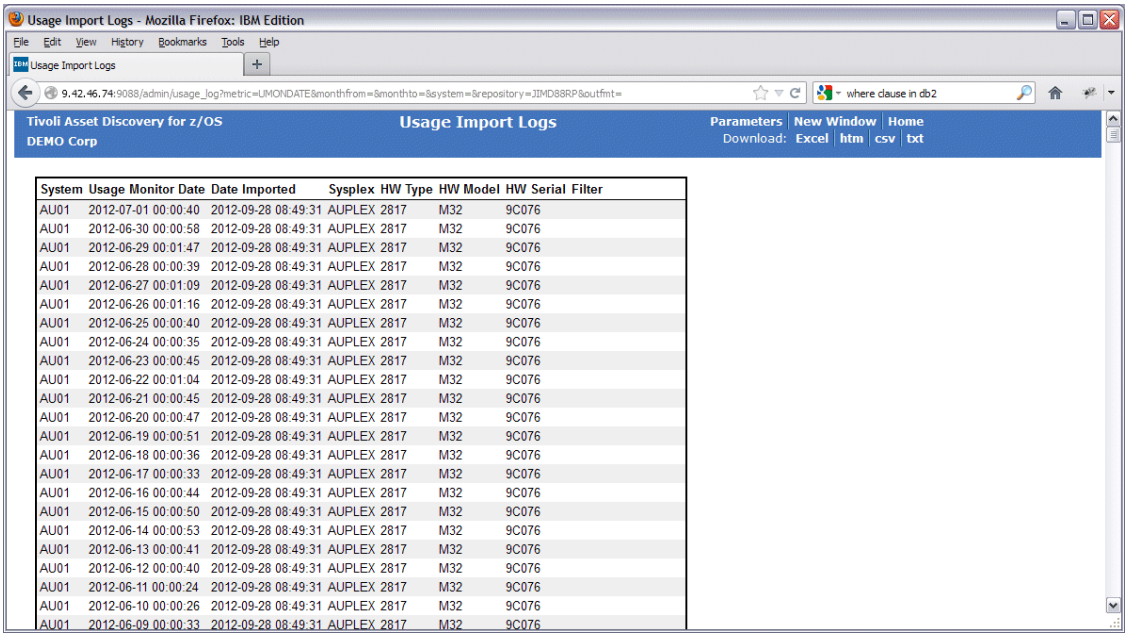
Online parameter	Batch mode parameter	Optional	Description
Metric	metric = <*metric*>	No	Metric parameter options are: • UMONDATE: Show data by usage collection date. • IMPORTDATE: Show data by usage import date.
Month From	monthfrom = *YYYY-MM*	Yes	Show data from the specified month
Month To	monthto = *YYYY-MM*	Yes	Show data to the specified month
System	system = <*system*> To select multiple systems, repeat the line for each additional system.	Yes	In batch mode, if you do not specify a system, all systems are included in the report.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



There will be times when you want to view the history of when Usage Imports were processed. This report allows you to view the Usage Import history data. You can select to view the data by Usage Monitor Date which was when the Usage Monitor program (UMON) job was run or when the Usage data was actually loaded into the Repository.

Sample Output:



System	Usage Monitor Date	Date Imported	Sysplex	HW Type	HW Model	HW Serial	Filter
AU01	2012-07-01 00:00:40	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-30 00:00:58	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-29 00:01:47	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-28 00:00:39	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-27 00:01:09	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-26 00:01:16	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-25 00:00:40	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-24 00:00:35	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-23 00:00:45	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-22 00:01:04	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-21 00:00:45	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-20 00:00:47	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-19 00:00:51	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-18 00:00:36	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-17 00:00:33	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-16 00:00:44	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-15 00:00:50	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-14 00:00:53	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-13 00:00:41	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-12 00:00:40	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-11 00:00:24	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-10 00:00:26	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	
AU01	2012-06-09 00:00:33	2012-09-28 08:49:31	AUPLEX	2817	M32	9C076	

The output above shows all the details from the Usage Import log table. The Filter column shows what filtering was used when the Usage Monitor was running just in case data has gone missing etc.

Report columns

Column Name	Description
System	The name of the System the Usage Monitor was running on
Usage Monitor Date	The date the Usage data was actually scanned
Date Imported	The date the Usage data was imported into TADz
Sysplex	The Sysplex name
HW Type	The Hardware Type
HW Model	The Hardware model
HW Serial	The serial number of the hardware
Filter	List of filters used during the Usage Monitor collection

Links to drilldown reports

None

Database Statistics report

The Database Statistics report provides information on statistics and space utilization used by the database

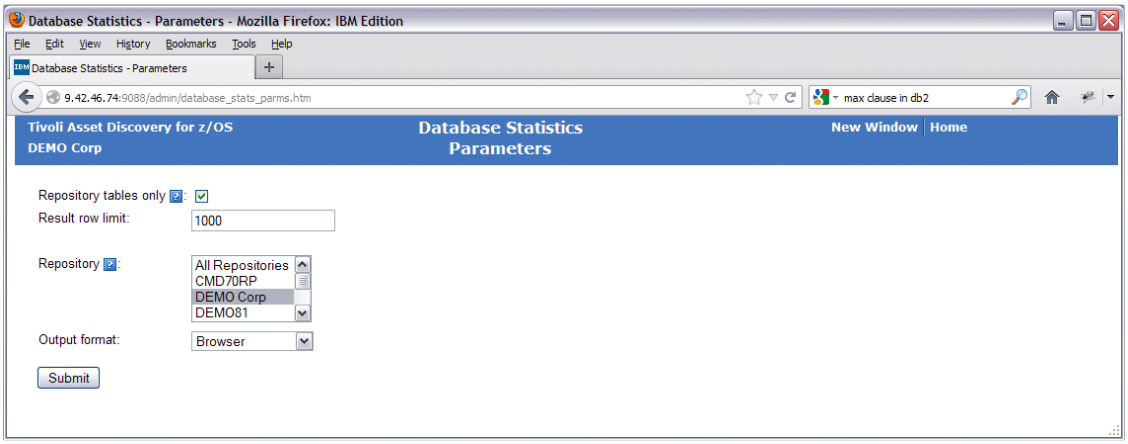
Batch report query

/admin/database_stats
showreponly = *on*
outlimit = 5000
repository = *&REPZSCHM*

Input Parameters:

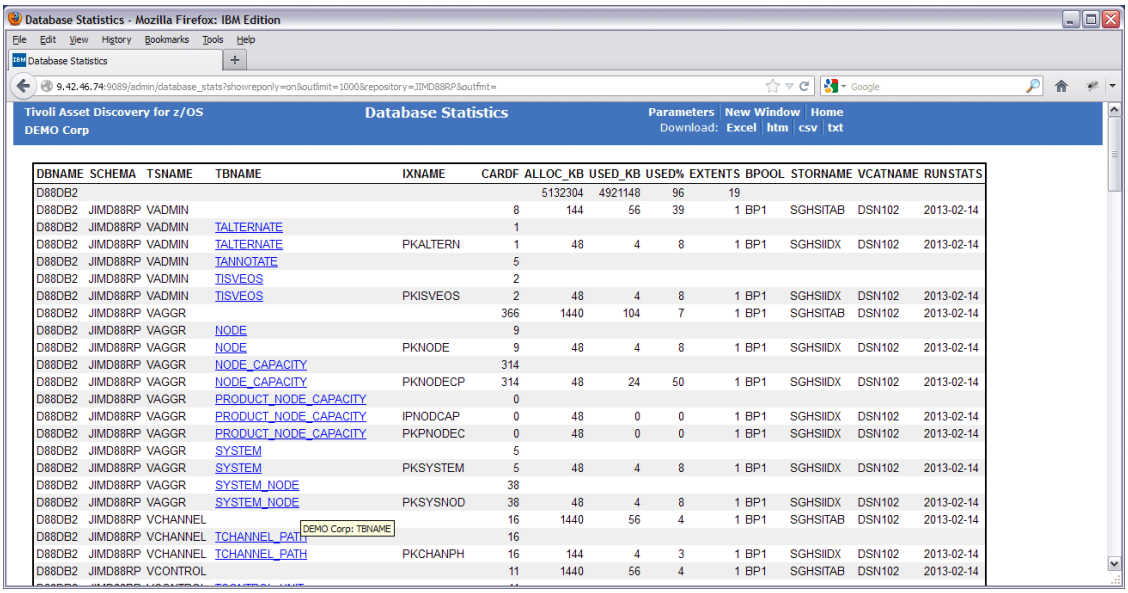
Online parameter	Batch mode parameter	Optional	Description
Repository tables only	showreponly = *on/off*	Yes	Display Repository tables or include GKB tables as well
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



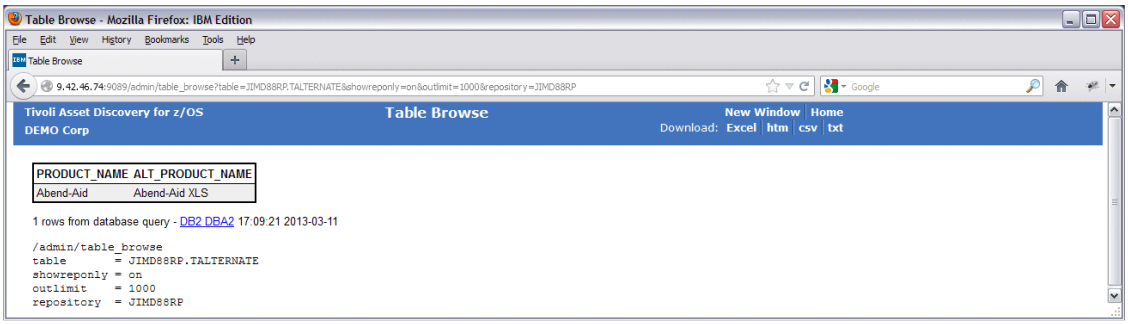
This screen allows you to select the repository you wish to view the database data from. You can select to only see the Repository tables but if you uncheck the Repository tables only checkbox, you will also see the GKB and LKB table data.

Sample Output:



This report shows the tables and index's for the chosen repository. It shows the space that has been allocated for the entire repository and it's current use. You can also drill down to see the actual data in the tables.

Sample table Output:



The report above is showing the data from the TALTERNATE table and it shows the alternate name that will be used in the Asset Reports.

Links to drilldown reports

None

SQL Select Query report

The SQL Select Query report allows a user to run a SELECT query.

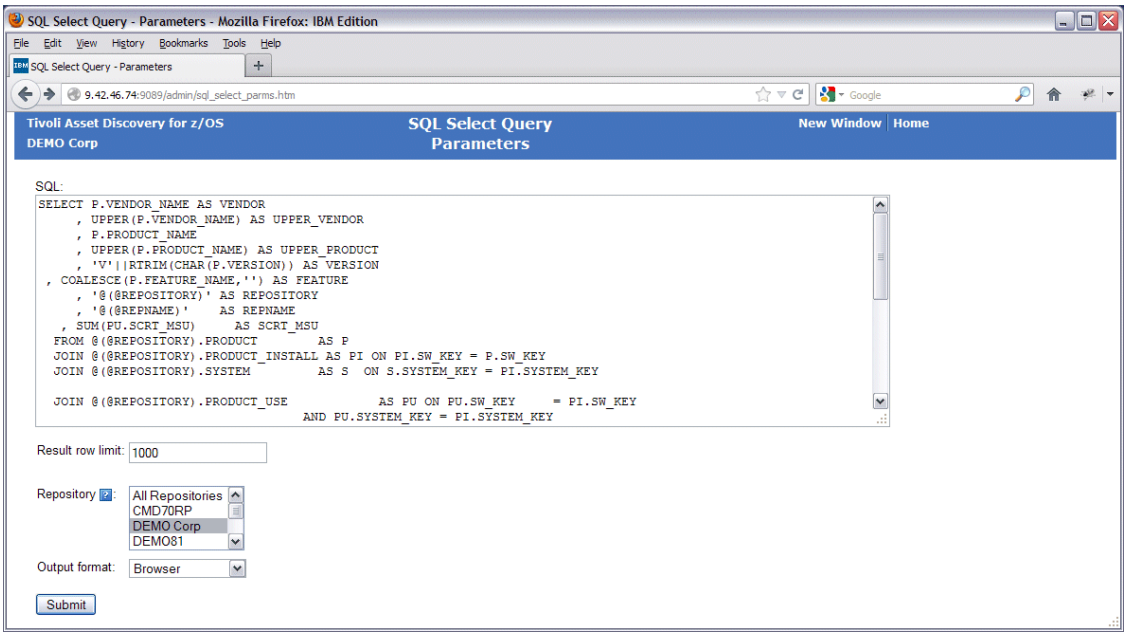
Batch report query

/admin/sql_select
select = <select>
outlimit = 1000
repository = *&REPZSCHM*

Input Parameters:

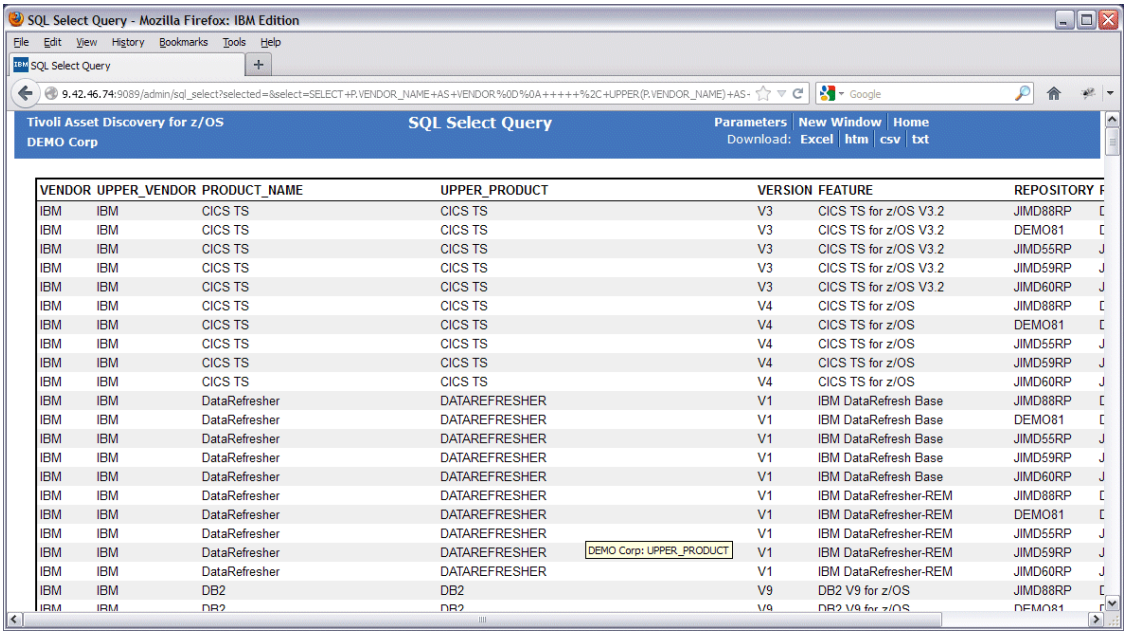
Online parameter	Batch mode parameter	Optional	Description
SQL	SELECT =	No	Enter the SQL query to run. Only SELECT command is accepted.
Result row limit	outlimit = <*number of rows to return*> . If omitted or left blank, the default in batch mode is 1000 rows.	Yes	Limit the number of rows returned by the query. Leave blank to view all rows.
Repository	repository = *&REPZSCHM*	No	The name of the repository to query. In batch mode, if you do not specify a repository, only the first repository is included in the report.

Sample Parameters:



The above screen allows you to enter in your own SQL and execute it against the TADz repository.

Sample Output:



VENDOR	UPPER_VENDOR	PRODUCT_NAME	UPPER_PRODUCT	VERSION	FEATURE	REPOSITORY
IBM	IBM	CICS TS	CICS TS	V3	CICS TS for z/OS V3.2	JIMD88RP
IBM	IBM	CICS TS	CICS TS	V3	CICS TS for z/OS V3.2	DEMO81
IBM	IBM	CICS TS	CICS TS	V3	CICS TS for z/OS V3.2	JIMD55RP
IBM	IBM	CICS TS	CICS TS	V3	CICS TS for z/OS V3.2	JIMD59RP
IBM	IBM	CICS TS	CICS TS	V3	CICS TS for z/OS V3.2	JIMD60RP
IBM	IBM	CICS TS	CICS TS	V4	CICS TS for z/OS	JIMD88RP
IBM	IBM	CICS TS	CICS TS	V4	CICS TS for z/OS	DEMO81
IBM	IBM	CICS TS	CICS TS	V4	CICS TS for z/OS	JIMD55RP
IBM	IBM	CICS TS	CICS TS	V4	CICS TS for z/OS	JIMD59RP
IBM	IBM	CICS TS	CICS TS	V4	CICS TS for z/OS	JIMD60RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresh Base	JIMD88RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresh Base	DEMO81
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresh Base	JIMD55RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresh Base	JIMD59RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresh Base	JIMD60RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresher-REM	JIMD88RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresher-REM	DEMO81
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresher-REM	JIMD55RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresher-REM	JIMD59RP
IBM	IBM	DataRefresher	DATAREFRESHER	V1	IBM DataRefresher-REM	JIMD60RP
IBM	IBM	DB2	DB2	V9	DB2 V9 for z/OS	JIMD88RP

The above is the result of the entered SQL.

Links to drilldown reports

None

Custom Tab

In the Custom tab of the Analyzer online, you can define SQL queries to generate custom reports in the standard Analyzer report format.

HSISANCQ in PARMLIB has two sample custom queries:

```
</tadz_analyzer custom="Usage Data Summary"
            desc="Summary of usage data gathered per system"

SELECT LP.FLPARNAME AS "System"
      , MIN(UP.FFIRSTUSED) AS "First Date"
      , MAX(UP.FLASTUSED) AS "Last Date"
      , SUM(UP.FEVENTCNT1) AS "Events"
FROM TLPAR AS LP
JOIN TUSEPOV AS UP ON UP.FLPARID = LP.FLPARID
WHERE LP.FLPARID >= 1
GROUP BY LP.FLPARNAME
ORDER BY LP.FLPARNAME

</tadz_analyzer>

<tadz_analyzer custom="User Appl Code Product Usage"
            desc="Product Usage Summary per Appl Code in 2-3 chars of
      userid">

SELECT SUBSTR(PUD.USERNAME, 2, 2) AS "Appl Code"
      , P.VENDOR_NAME AS "Vendor"
      , P.PRODUCT_NAME AS "Product"
      , 'V'||CAST(P.VERSION AS CHAR(8)) AS "Version"
      , P.PID AS "PID"
      , COUNT(DISTINCT LP.FLPARID) AS "Systems"
      , COUNT(DISTINCT PUD.USERNAME) AS "UserIds"
      , COUNT(DISTINCT PUD.JOBNAME) AS "Job Names"
      , MIN(PUD.START_DATE) AS "First Used"
      , MAX(PUD.END_DATE) AS "Last Used"
      , SUM(PUD.EVENT_CNT) AS "Events"
FROM PRODUCT_USE_DETAIL AS PUD
  JOIN PRODUCT AS P ON P.SW_KEY = PUD.VERSION_GUID
  JOIN TLPAR AS LP ON LP.FLPARID = PUD.FLPARID
  WHERE PUD.USERNAME IS NOT NULL
    AND PUD.USERNAME <> ' '
  GROUP BY SUBSTR(PUD.USERNAME, 2, 2)
      , P.VENDOR_NAME
      , P.PRODUCT_NAME
      , P.VERSION
      , P.PID
ORDER BY SUBSTR(PUD.USERNAME, 2, 2)
      , UPPER(P.VENDOR_NAME)
      , UPPER(P.PRODUCT_NAME)
      , P.VERSION

</tadz_analyzer>
```

The simplest way to develop the SQL for a custom query is to:

- Run a standard Analyzer report that has similar data that you want to query.
- At the end of the query, you will see a line saying how many rows have been queried and a hyperlink on the DB2® Subsystem. Click the hyperlink and you will see the SQL used to generate the report. Select the SQL, right-click and select “copy”.
- Under Administration tab, run the SQL Select Query report. Right-click the SQL box and select “paste”. Click Submit to run the report.
- Modify the SQL as desired. Details about the table columns are documented in the Reference chapter in the Administration Guide and Reference.
- In TSO ISPF, edit HSISANCQ, and paste your custom SQL into a new report like the other two sample custom reports. You can remove the original samples if you want. Alternatively, create a new member and adjust the HSICUST DD accordingly.
- To see the new custom report you need to either restart Analyzer, or issue the Analyzer REFRESH modify command. For example `/F HSISANLO,REFRESH`.

If you define a HSINLS DD, it contains a Codepage setting. All text in the HSICUST DD is treated as being in the same Codepage as the HSINLS setting. This includes the actual SQL, so it is important that the Codepage is compatible with the Codepage your DB2 has been configured to use. This is particularly important for SQL statements that contain special characters such as concatenation bars (||), as these symbols are often sensitive to codepage differences.

Reference

Product Inventory report – license verification spreadsheet

Instructions for MS Excel are for guidance only. This is made available on an as-is basis only and is not subject to support. No warranty is expressed or implied, use at own risk. For a detailed explanation of Excel VBA macros consult the Microsoft documentation.

Overview

These instructions detail the required steps to produce a TADz License verification spreadsheet from the Product Inventory Report:

- Select Product Inventory Report from the TADz Analyzer "Assets" Tab.
- Select the "License verification" checkbox.
- Ensure that the "Output format" is Excel.
- Confirm that the file PERSONAL.XLS(B) is available. See note below.
- Submit.

The resulting spreadsheet is combined with a MS Excel VBA Macro which highlights the differences between expected and actual "Install Date" and "Usage Period".

- The VBA macro can be downloaded from ????????? (wiki or forum ?)
- Differences in the Usage Period are highlighted in red.
- Differences in the Install Date are highlighted in yellow.

Objective

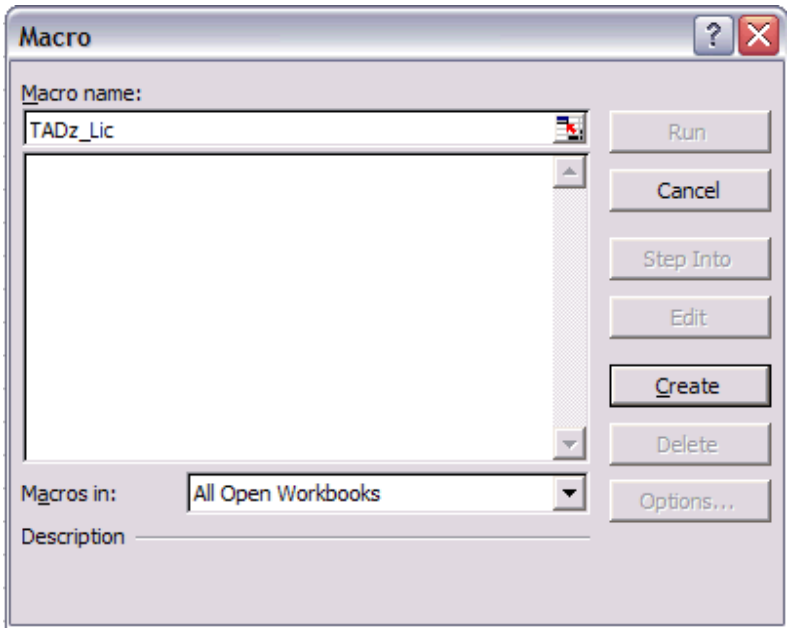
Use output from the TADz Product Inventory Report aided by a MS Excel VBA Macro to produce a spreadsheet which can highlight the differences between expected and actual "Install Date" and "Usage Period".

Procedure

1. To install the required MS Excel Macro Code (See code sample below).

These instructions relate to MS Excel 2002 and may require local adjustments to run at your installation:

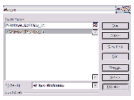
- Start Excel
- Alt+F8
- Enter Macro name, TADz_Lic

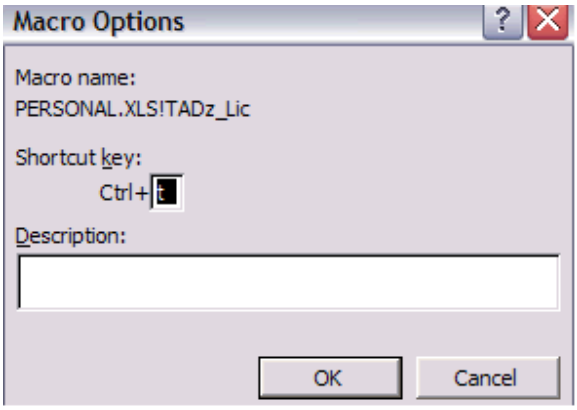


- Click ***Create***
- Remove "**Option explicit**" if it has been automatically generated.
- Replace **Sub** and **End Sub** generated statements with the supplied Macro code.

Save this in your PERSONAL.XLS(B) file. If this file does not exist, then follow instructions in "***To permanently save the Excel VBA Macro ensure the existence of the PERSONAL.XLS(B) file"***

- Alt+F8, update options for Shortcut key --> Ctrl+t





- Exit from MS Excel

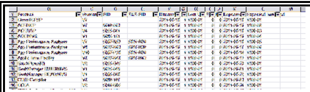
2. Logon to TADz Analyzer.
   - Select the Product Inventory Hyperlink from the TADz Asset Tab.
   - When selecting ensure that the "Licence verification" box has been checked.
     This will produce two extra columns, "Expected Installed" and Expected last used", which can be manipulated by the user.

3. Ensure that "Output format" is set to **Download Excel.**

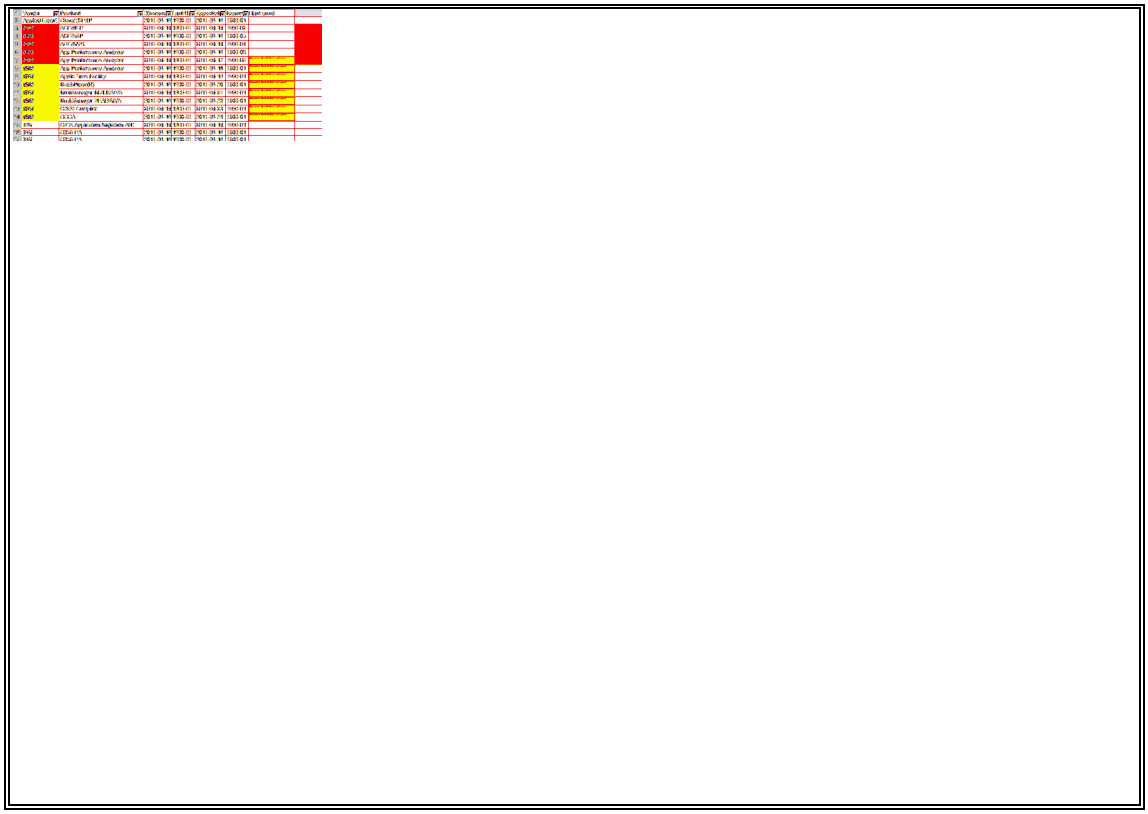
4. The columns "Discovered Installed" and "Last Used" are to be compared against "Expected Installed" and "Expected last used"
   Blank entries in the "Last Used" and Expected last used column are initially substituted with the value 1900-01 (Year 1900 Month 01)

Discovered Installed	Systems Installed	Last Used ▼	Systems Used	Machines Used	Expected Installed	Expected last used
2011-06-16	1	2011-11	1	3	2011-06-16	2011-11
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-10	1	3	2011-06-16	2011-10
2011-06-16	1	2011-07	1	1	2011-06-16	2011-07
2011-06-16	1	1900-01	0	0	2011-06-16	1900-01
2011-06-16	1	1900-01	0	0	2011-06-16	1900-01
2011-06-16	1	1900-01	0	0	2011-06-16	1900-01
2011-06-16	1	1900-01	0	0	2011-06-16	1900-01

5. Update the "Expected Installed" and "Expected last used" with your values for each product



Use the previously defined "shortcut key" Ctrl+t to highlight the differences
Follow the Macro prompts and enter the required column letter.



To permanently save the Excel VBA Macro ensure the existence of the PERSONAL.XLS(B) file

If you want to ensure that the TADz Excel Macro is available in all your workbooks, then use your PERSONAL.XLS or in Excel 2007-2010 your PERSONAL.XLSB file.

What is it?
This is a hidden workbook that opens when you start Excel.
The code you copy in this workbook is available in all workbooks you have opened in Excel.

Where is it?
If it exists, you can find the file in the Excel startup folder.

The following process will identify the location of your PERSONAL.XLS(B) on your PC.

- Open MS Excel
- alt-F11 to get to the VBE
- ctrl-G to jump to the immediate window
- Type the following:
  ?Application.StartupPath

- Press Enter
  The startup path will be displayed.

How do you create the PERSONAL.XLS(B) file if it does not exist:
If it does not exist then create a dummy file using Notepad.exe in the startup path.

Macro Code

```
Sub TADz_Lic()


'Setup Input boxes to identify columns of interest
InputMsg = "Enter column letter with title 'Discovered Installed' in the text box below
then click OK:"
InputTitle = "Discovered Installed column"
DefaultText = "F"
xDinst = InputBox(InputMsg, InputTitle, DefaultText)
Call Test_Input(xDinst)



InputMsg = "Enter column letter with title 'Expected Installed' in the text box below then
click OK:"
InputTitle = "Expected Installed column"
DefaultText = "L"
xEinst = InputBox(InputMsg, InputTitle, DefaultText)
Call Test_Input(xEinst)


InputMsg = "Enter column letter with title 'Last Used' in the text box below then click
OK:"
InputTitle = "Last Used"
DefaultText = "I"
xlu = InputBox(InputMsg, InputTitle, DefaultText)
Call Test_Input(xlu)


InputMsg = "Enter column letter with title 'Expected Last Used' in the text box below
then click OK:"
InputTitle = "Expected Last Used"
DefaultText = "M"
xelu = InputBox(InputMsg, InputTitle, DefaultText)
Call Test_Input(xelu)



    Range("A:A,R:R,S:S").Select             'Reset cell colour and formatting
    Range("S1").Activate
    Selection.Borders(xlDiagonalDown).LineStyle = xlNone
    Selection.Borders(xlDiagonalUp).LineStyle = xlNone
    Selection.Borders(xlEdgeLeft).LineStyle = xlNone
    Selection.Borders(xlEdgeTop).LineStyle = xlNone
    Selection.Borders(xlEdgeBottom).LineStyle = xlNone
```

```
    Selection.Borders(xlEdgeRight).LineStyle = xlNone
    Selection.Borders(xlInsideVertical).LineStyle = xlNone
    Selection.Borders(xlInsideHorizontal).LineStyle = xlNone
    Selection.Interior.ColorIndex = xlNone
    With Selection.Font
        .Name = "Arial"
        .FontStyle = "Regular"
        .Size = 10
    End With



    Range(xDinst & ":" & xDinst & "," & xEinst & ":" & xEinst).Select       'Format all
date cells to yyyy-mm-dd
    Range(xEinst & "1").Activate

    Selection.NumberFormat = "yyyy-mm-dd;@"

    Range(xlu & ":" & xlu & "," & xelu & ":" & xelu).Select                 'Format all date
cells to yyyy-mm
    Range(xelu & "1").Activate
    Selection.NumberFormat = "yyyy-mm;@"


    Range("R:R,S:S").Select                'Ensure column width is large enough for text
    Range("S1").Activate
    Selection.ColumnWidth = 22
    Selection.ClearContents                'Clear existing messages
     With Selection                       'Shrink text to fit
       .ShrinkToFit = True
     End With
      With Selection.Font                  'Define font/colour for warning messages
          .Name = "Arial"
          .FontStyle = "Bold Italic"
          .Size = 10
          .ColorIndex = 1
       End With


 myrange = "A2:A1999, R2:R1999, S2:S1999"           'Define range of cells for
highlighting
 Range(myrange).Interior.ColorIndex = 0             'Remove all cell colour highlighting

 LastRowCol = Range(xDinst & "2000").End(xlUp).Row          'Work out the last row
assuming max of 2000


  For xRow = 2 To LastRowCol
```

```
  If Evaluate("EXACT(" & xDinst & xRow & "," & xEinst & xRow & ")") = 0 Then
        Range("R" & xRow).Value = "Expected 'Install Date' not equal"
        Range("A" & xRow).Select
        Range("A" & xRow).Activate
          With Selection.Font                    'Define font/colour for warning messages
            .Name = "Arial"
            .FontStyle = "Bold Italic"
            .Size = 10
            .ColorIndex = 0
          End With
      Range("R" & xRow).Interior.ColorIndex = 6    '3-Red 6-Yellow
      Range("A" & xRow).Interior.ColorIndex = 6

      Range("R" & xRow).Select                   'Format each cell
      Range("R" & xRow).Activate
      Call Border
  End If

  If Evaluate("EXACT(" & xlu & xRow & "," & xelu & xRow & ")") = 0 Then
'Compare values in cells
       Range("S" & xRow).Value = "Expected 'Last Used' date not equal"
       Range("A" & xRow).Select
       Range("A" & xRow).Activate

      Range("A" & xRow).Interior.ColorIndex = 3
          With Selection.Font                  'Define font/colour for warning messages
          .Name = "Arial"
          .FontStyle = "Bold Italic"
          .Size = 10
          .ColorIndex = 1
          End With
      Range("S" & xRow).Interior.ColorIndex = 3    '3-Red 6-Yellow

      Range("S" & xRow).Select                   'Format each cell
      Range("S" & xRow).Activate
      Call Border
   End If

  Next xRow

  Range("S1").Select                  'Select the 1st cell - negate last column selection

End Sub



Sub Border()
Selection.Borders(xlDiagonalDown).LineStyle = xlNone
```

```
Selection.Borders(xlDiagonalUp).LineStyle = xlNone
        With Selection.Borders(xlEdgeLeft)
           .LineStyle = xlDouble
           .Weight = xlThick
           .ColorIndex = xlAutomatic
        End With
        With Selection.Borders(xlEdgeTop)
           .LineStyle = xlDouble
           .Weight = xlThick
           .ColorIndex = xlAutomatic
        End With
        With Selection.Borders(xlEdgeBottom)
           .LineStyle = xlDouble
           .Weight = xlThick
           .ColorIndex = xlAutomatic
        End With
        With Selection.Borders(xlEdgeRight)
           .LineStyle = xlDouble
           .Weight = xlThick
           .ColorIndex = xlAutomatic
        End With
End Sub



Sub Test_Input(xVal)

If xVal = vbNullString Then
 MsgBox "Column cannot have a null value."
 MsgBox "Please rerun the Excel macro and specify a valid column identifier"
 End
End If


Select Case xVal
   Case "a" To "z":
   MsgBox "You have entered value " & xVal

   Case "A" To "Z":
   MsgBox "You have entered value " & xVal

   Case Else:
   MsgBox "You must enter a column identifier with a value between A and Z"
   MsgBox "Please rerun the Excel macro and specify the correct column identifier"
   End
End Select
End Sub
```

End Sub Analyzer report output columns

When you construct queries for the Analyzer reports, the report is provided in these output columns.

Table 1. Analyzer Report output columns

Column Name	Description
Asset Feature	Name of product version feature
Asset Product Name	Name of product version. This is usually the same as the official title. The name is normalized so that similar product versions are shown together when in a sorted list.
Asset Version	Version of product
Asset Version Title	Title of product version
APF	Indicates that the library was discovered as being defined to z/OS Authorized Program Facility
Creation Date	Create date of the library
Date	Date raw usage data was monitored
Discovered First	Date the resource was first discovered
Discovered Installed	Date the product was first discovered as being installed
Discovered Last	Date the resource was last discovered
Discovered Uninstalled	Date the product was discovered to be missing after previously been discovered as installed
Discovery Release Name	Name of discovered product release
Discovery Release Option	Name of discovered product option
Discovery Status	A value of “Found” means that the product has been discovered
End of Service	Date the vendor has said that the product release is no longer being supported
Events	The amount of times Usage Monitor has detected a module being loaded into storage for execution by an address space
EID	Feature Entitlement Identifier
Feature	Name of product version feature

Table 1. Analyzer Report output columns	
Column Name	**Description**
First Date	First date in month that usage was detected
First Discovered	Date resource was first discovered
First Used	First date in month that usage was detected
Found Modules	Number of modules found for the search criteria
FMID	Product FMID
GKB Level	Global Knowledge Base level
HLQ	Data set High Level Qualifier
HW Model	Hardware Model
HW Name	Hardware Name
HW Plant	Hardware Plant
HW Serial	Hardware Serial number
HW Type	Hardware Type
Job Account	Job Account Code
Job Id	Last JES job id that usage was detected for the resource
Job Name	Job Name
Last Date	Last date in month that usage was detected
Last Job Id	Last JES job id that usage was detected for the resource
Last Used	Last date in month that usage was detected
Library	Library name. z/OS data set name or USS path name
Library Modules	Number of modules in the library
LPAR Name	Name of Logical Partition
LPAR Number	Number of Logical Partition
LPARs	Count of Logical Partitions
Machine	Machine
Max MSU	Maximum MSU capacity
Max SCRT-MSU	Maximum Subcapacity MSU
Module	Module name
Module Size	Module size

Table 1. Analyzer Report output columns	
Column Name	**Description**
Modules	Count of modules
Month	Month of usage
MSU	Million of Service Units capacity
Observed Deleted	Date the resource was observed to be deleted
Observed First	Date the resource was first observed
Observed Last	Date the resource was last observed
Product	Name of Product
Product Modules	Count of product modules
Product Option	Product Release Option name
Product Release Name	Product Release name
Product Release Option	Product Release Option name
PID	Product Identifier
Referenced Date	Date library was last referenced
Release	Release
Repository	Repository name
S&S PID	Service Subscription Product Identifier
Status	Audit Trail status: • Installed and Not used • Installed and Used (history) • Installed and Used (last) • Uninstalled
Sysplex	Sysplex name
System	System name
System Group	System Group name
SCRT MSU	Sub-Capacity Reporting Tool MSU
Type	Node type: • HW

Table 1. Analyzer Report output columns	
Column Name	**Description**
	• LPAR
Unknown Modules	Number of unknown modules
Usage Month	Month usage was detected
User Id	User id
User Name	User Name
Vendor	Vendor Name
Version	Product Version
Version Title	Product Version Title
Volume	Volume