

International Technical Support Organization

CPSM Usage Scenarios

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Redbooks Workshop

IBM ITSO - International Technical Support Organization

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Agenda

- Managing CICS resources
 - Disabling transactions
 - New copy action on a program
 - Closing Files with the WUI
 - Cleaning REQIDs

- Setting up a WLM Workload

- Setting up RTA

- Problem determination using the WUI
 - Storage Problem

Managing CICS resources

Disable transaction in a CICS system

- Navigate to the “Local or dynamic transaction” tabular view:

Main menu

CMAS context:
 Context:
 Scope:

Welcome to the CICSplex SM Web User Interface. Please select an item

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CICS operations views

Context:
 Scope:

CICS operations views

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- [Unit of work \(UOW\) operations views](#)

Related resources

- [Monitoring views](#)

Transaction operations views

Context:
 Scope:

Transaction operations views

- [Local or dynamic transactions](#)
- [Remote transactions](#)
- [Request model](#)
- [Topology data for transactions](#)

Related resources

- [Transaction monitoring views](#)
- [Enterprise Java component operations views](#)
- [Program operations views](#)
- [CICS operations views](#)

Disable transaction in a CICS system

- Enter filter criteria and click refresh to find transaction

Local or dynamic transaction



EYUVC1280I 2 records collected at 09/22/05 11:56:39. ?

Context:
 Scope:
 Transaction ID: = Aa Automatic refresh: seconds.
 Enabled status: =

2 records on 1 pages.

Record	CICS system name	Transaction ID	Enabled status	Number of times transaction used	First program name	Transaction priority	Transaction class name
1 <input type="checkbox"/>	IYK3ZDD5	HK01	Enabled	0	HK01PROG	1	DFHTCL00
2 <input type="checkbox"/>	IYK3ZDD6	HK01	Enabled	0	HK01PROG	1	DFHTCL00

2 records on 1 pages.

Disable transaction in a CICS system

- Select transaction in correct CICS system and click "Disable"

Local or dynamic transaction



EYUVC1280I 2 records collected at 09/22/05 13:06:31. ?

Context:
Scope:
Transaction ID: = Aa Automatic refresh: seconds.
Enabled status: =

2 records on 1 pages.

Record	CICS system name	Transaction ID	Enabled status	Number of times transaction used	First program name	Transaction priority	Transaction class name
1 <input type="checkbox"/>	IYK3ZDD5	HK01	Enabled	0	HK01PROG	1	DFHTCL00
2 <input checked="" type="checkbox"/>	IYK3ZDD6	HK01	Enabled	0	HK01PROG	1	DFHTCL00

2 records on 1 pages.

Disable transaction in a CICS system

- Click “Yes” to disable the transaction

Disable



CICS system name	IYK3ZDD6
Transaction ID	HK01

Disable transaction in a CICS system

- Transaction is now disabled

Local or dynamic transaction



EYUVC1230I 'Disable' (DISABLE) request completed successfully for 1 records.

EYUVC1280I 2 records collected at 09/22/05 13:06:31.

Context:
 Scope:
 Transaction ID: = Aa Automatic refresh: seconds.
 Enabled status: =

2 records on 1 pages.

Record	CICS system name	Transaction ID	Enabled status	Number of times transaction used	First program name	Transaction priority	Transaction class name
1 <input type="checkbox"/>	IYK3ZDD5	HK01	Enabled	0	HK01PROG	1	DFHTCL00
2 <input type="checkbox"/>	IYK3ZDD6	HK01	Disabled	0	HK01PROG	1	DFHTCL00

2 records on 1 pages.

New copy of a Program

- Navigate to the programs tabular view.

Main menu

CMAS context:

Context:

Scope:

Welcome to the CICSplex SM Web User Interface. Please select an item

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CICS operations views

Context:

Scope:

CICS operations views

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Related resources

- [Monitoring views](#)

Program operations views

Context:

Scope:

Program operations views

- [Programs](#)
- [DFHRPL data set names](#)

Related resources

- [Program monitoring views](#)
- [Transaction operations views](#)
- [CICS operations views](#)

New copy of a Program



EYUVC1280I 6 records collected at 10/04/05 09:06:50.



Context:
Scope:
Program name: =
Enabled status: =
 Automatic refresh: seconds.

6 records on 1 pages.

Record	CICS system name	Program name	Enabled status	Total number of times program was executed	Number of times program currently accessed	Language	Share status	CEDF status	New-copy-required status
1 <input checked="" type="checkbox"/>	IYK3ZDD5	TSTPROG1	Enabled	0	0	C	Private	Cedf	Notrequired
2 <input type="checkbox"/>	IYK3ZDD5	TSTPROG2	Enabled	0	0	C	Private	Cedf	Notrequired
3 <input type="checkbox"/>	IYK3ZDD5	TSTPROG3	Enabled	0	0	C	Private	Cedf	Notrequired
4 <input checked="" type="checkbox"/>	IYK3ZDD6	TSTPROG1	Enabled	0	0	C	Private	Cedf	Notrequired
5 <input type="checkbox"/>	IYK3ZDD6	TSTPROG2	Enabled	0	0	C	Private	Cedf	Notrequired
6 <input type="checkbox"/>	IYK3ZDD6	TSTPROG3	Enabled	0	0	C	Private	Cedf	Notrequired

6 records on 1 pages.

New copy of a Program

New copy



CICS system name IYK3ZDD5
Program name TSTPROG1

Closing Files with the WUI

- Use the navigation frame to navigate to the “Local files” view

The screenshot shows the WUI interface. On the left, a navigation menu has 'Files & DB2' selected. Underneath, 'Local files' is highlighted. The main area shows the 'Local file' configuration for 'EYUVC1280I'. The 'File ID' is set to 'TSTFILE1'. The 'Refresh' button is circled in red. Below the configuration is a table of records.

Record	CICS system name	File ID	Enablement status	Open status	Add option	Brow option
1	IYK3ZDD5	DFHCSD	Enabled	Closed	Addable	Browse
2	IYK3ZDD5	DFHDBFK	Enabled	Closed	Addable	Browse
3	IYK3ZDD5	DFHLRQ	Enabled	Open	Addable	Browse

Closing Files with the WUI

- Summarize by "Open status", select record and click "Close"

Record	CICS system name	File ID	Enablement status	Open status	Add option	Browse option	Delete option	Rea opti
1 <input type="checkbox"/>	IYK3ZDD5	TSTFILE1	Enabled	Open	Notaddable	Notbrowsable	Notdeletable	Rea
2 <input type="checkbox"/>	IYK3ZDD6	TSTFILE1	Enabled	Open	Notaddable	Notbrowsable	Notdeletable	Rea

2 records on 1 pages.

Record	Record count	CICS system name	File ID	Enablement status	Open status	Add option	Browse option	Delete option
1 <input checked="" type="checkbox"/>	2	*****	TSTFILE1	Enabled	Open	Notaddable	Notbrowsable	Notdeletable

1 records on 1 pages.

Closing Files with the WUI

- Select “Force” then select “Yes to 2 remaining”

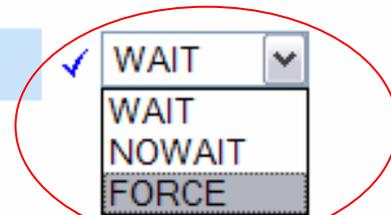
Close



CICS system name IYK3ZDD5

File ID TSTFILE1

Busy value



No to 2 remaining

No

Yes

Yes to 2 remaining

Cleaning REQIDs

- Navigate to the “Interval control element” view

Main menu

CMAS context:

Context:

Scope:

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CICS operations views

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Related resources

- [Monitoring views](#)

Task operations views

Context:

Scope:

Task operations views

- [Active tasks](#)
- [Interval control elements](#)
- [3270 bridge facilities](#)
- [Work requests](#)

Related resources

- [CICS region operations views](#)
- [CICS operations views](#)

Cleaning REQIDs

Interval control element



EYUVC1280I 8 records collected at 10/04/05 10:31:16.



Context: NEWPLEX
 Scope: NEWPLEX
 Request name: = Automatic refresh: 60 seconds.
 TRANSID specified by command creating request: = Aa

8 records on 1 pages.

Record	CICS system name	Request name	Type of command that created request	TRANSID specified by command creating request	TERMIN from START command that created request	Associated user ID	QUEUE from START command that created request	Interval until request expires	Expiration time
<input type="checkbox"/>		▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲
1 <input type="checkbox"/>	IYK3ZDD5	DFHCWBG	Start	CWBG		DONNELL		00:33:01	11:04:17
2 <input type="checkbox"/>	IYK3ZDD5	DF000002	Start	CRMF		DONNELL		10:33:00	21:04:16
3 <input type="checkbox"/>	IYK3ZDD5	DF000006	Start	CRSQ		DONNELL		06:33:01	17:04:17
4 <input type="checkbox"/>	IYK3ZDD5	DF000169	Post					00:00:12	10:31:28
5 <input type="checkbox"/>	IYK3ZDD6	DFHCWBG	Start	CWBG		DONNELL		00:33:21	11:04:37
6 <input checked="" type="checkbox"/>	IYK3ZDD6	DF000002	Start	CRMF		DONNELL		10:33:19	21:04:35
7 <input type="checkbox"/>	IYK3ZDD6	DF000006	Start	CRSQ		DONNELL		06:33:21	17:04:37
8 <input type="checkbox"/>	IYK3ZDD6	DF000167	Post					00:00:01	10:31:17

8 records on 1 pages.

Cleaning REQIDs

Cancel

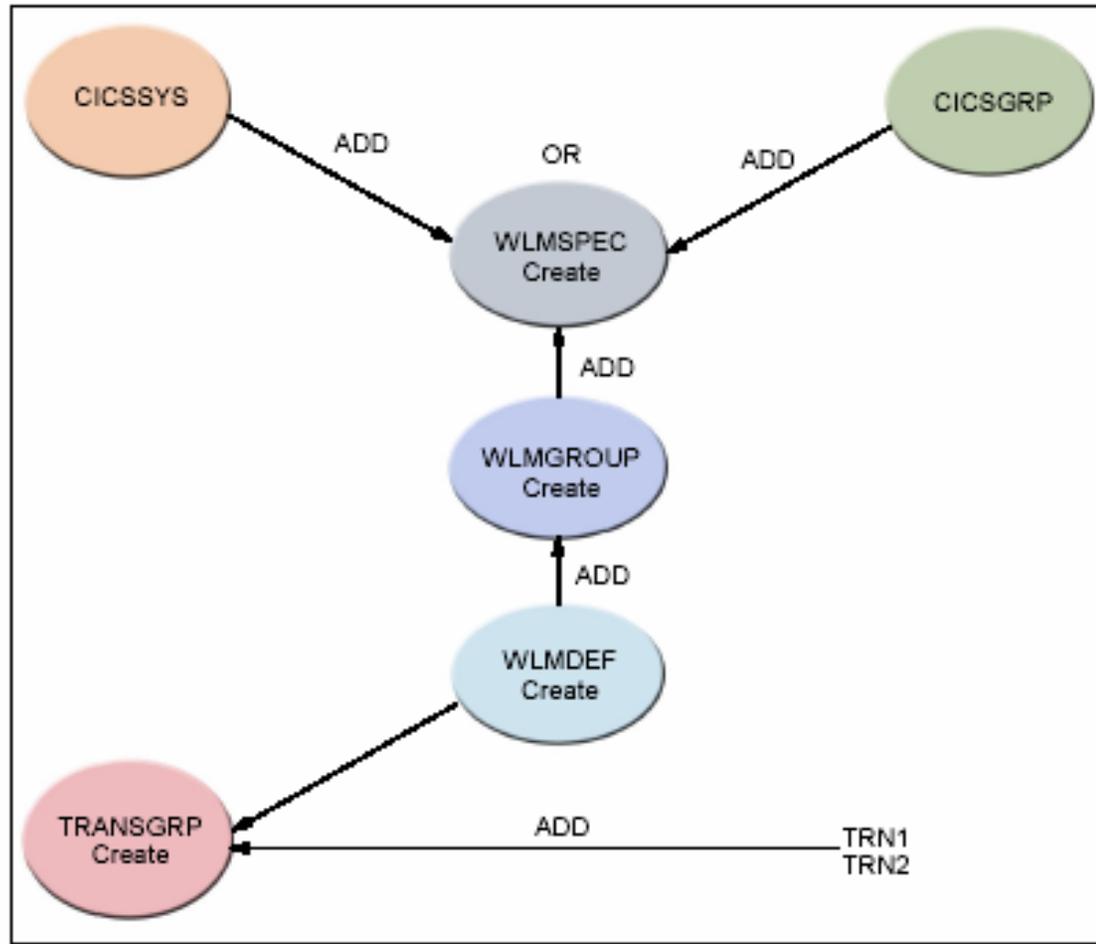


CICS system name	IYK3ZDD6
Request name	DF000002

Workload Management Setup

Setting up a WLM Workload

- Follows the same process as in the EUI
- The following resources need to be defined:



WLM resource definition navigation

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WLM resource definition navigation

Workload manager administration views

CMAS context:

Context:

Scope:

Definitional views

- [Workload specifications](#) 
 - [Workload groups](#) 
 - [Workload definitions](#) 
 - [Transaction groups](#) 
- WLMSPEC
WLMGROUP
WLMDEF
TRANGRP

Associated views

- [CICS systems associated with workload specifications](#) 
 - [CICS system groups associated with workload specifications](#) 
 - [Workload groups in workload specifications](#) 
 - [Workload definitions in groups](#) 
 - [Transactions in transaction groups](#) 
- WLMSCOPE

WLMINSPC

WLMINGRP

DTRINGRP

Transaction Group

Transaction group definition



EYUVC1280I 1 records collected at 09/01/05 10:36:32.



Context: Automatic refresh: seconds.
 Transaction group name: =

1 records on 1 pages.

Record	Transaction group name	Affinity relationship	Affinity lifetime	Automatic affinity creation option	Primary search criterion	Affinity relation and lifetime checking status	RTA event name	Description	Last time definition was changed
1 <input type="checkbox"/>	DSFSD	N_a	N_a	N_a	Userid	Dormant	DAN1		05/19/05 13:42:08

1 records on 1 pages.

Transaction Group

Transaction group definition



Transaction group name	<input checked="" type="checkbox"/>	<input type="text" value="TESTGRP"/>	
Description	<input type="checkbox"/>	<input type="text"/>	Aa
Affinity relation and lifetime checking status	<input checked="" type="checkbox"/>	<input type="text" value="Dormant"/>	
Primary search criterion	<input checked="" type="checkbox"/>	<input type="text" value="Userid"/>	
Affinity relationship	<input type="checkbox"/>	<input type="text"/>	
Affinity lifetime	<input type="checkbox"/>	<input type="text"/>	
Automatic affinity creation option	<input type="checkbox"/>	<input type="text" value="N_a"/>	
RTA event name	<input type="checkbox"/>	<input type="text"/>	
Acceptable level of abend probability	<input checked="" type="checkbox"/>	<input type="text" value="0"/>	(0, 2-99)
Acceptable abend load threshold	<input checked="" type="checkbox"/>	<input type="text" value="0"/>	(0, 1-98)

Workload Management Definition

Workload management definition



EYUVC1280I 2 records collected at 09/01/05 09:36:23.



Context: Automatic refresh: 60 seconds.

Workload management definition name: =

2 records on 1 pages.

Record	Workload management definition name	Transaction group name	Terminal LU name	User ID	BTS process type	Scope name of set of target systems	Description	Last time the definition was changed
1 <input type="checkbox"/>	SSS	DSFSD	*	*	*	IYK3ZDD4		06/14/05 16:13:09
2 <input type="checkbox"/>	SSSS		*	*	*	IYK3ZDD4		07/25/05 17:24:55

2 records on 1 pages.

Resource name: WLMDEF. View name: EYUSTARTWLMDEF.TABULAR

Workload Management Definition

Workload management definition



Workload management definition name	<input checked="" type="checkbox"/>	<input type="text" value="TEST1"/>
Description	<input type="checkbox"/>	<input type="text"/> Aa
Transaction group name	<input checked="" type="checkbox"/>	<input type="text" value="TESTGRP"/>
Terminal LU name	<input checked="" type="checkbox"/>	<input type="text" value="*"/>
User ID	<input checked="" type="checkbox"/>	<input type="text" value="DD*"/>
BTS process type	<input checked="" type="checkbox"/>	<input type="text" value="*"/>
Scope name of set of target systems	<input checked="" type="checkbox"/>	<input type="text" value="GROUP1"/>

No Yes

Workload Management Group

Workload management (WLM) group



EYUVC1280I 2 records collected at 09/01/05 11:16:04.



Context: Automatic refresh:

Workload management group name: = seconds.

2 records on 1 pages.

Record	Workload management group name	Description	Last time the definition was changed
<input checked="" type="checkbox"/> <input type="checkbox"/>	▼▲▲	▼▲▲	▼▲▲
1 <input type="checkbox"/>	FDGFD		06/14/05 14:25:52
2 <input type="checkbox"/>	NEW		07/25/05 17:25:12

2 records on 1 pages.

Workload Management Group

Workload management (WLM) group



Workload management group name

TWLMGRP

Description

Aa

No Yes

Resource name: WLMGROUP. View name: EYUSTARTWLMGROUP.CREATE

Workload Management Specification

Workload management (WLM) specification



EYUVC12801 2 records collected at 09/01/05 15:55:58.



Context: Automatic refresh: seconds.

WLM specification name: =

2 records on 1 pages.

Record	WLM specification name	Default affinity	Default affinity lifetime	Default target scope	Automatic affinity creation option	Primary search criterion	RTA event name	Description	Last time the definition changed
1 <input type="checkbox"/>	DSFS	N_a	N_a	IYK3ZDD4	N_a	Luname			05/27/05 13:34:03
2 <input type="checkbox"/>	NEW1	N_a	N_a	IYK3ZDD4	N_a	Luname			07/14/05 10:54:55

2 records on 1 pages.

Workload Management Specification

Workload management (WLM) specification



EYUVC1315I Attribute, 'AORSCOPE', has been successfully updated.



WLM specification name	<input checked="" type="checkbox"/> TESTSPEC
Description	<input type="checkbox"/> <input type="text"/> Aa
Default affinity	<input type="checkbox"/> <input type="text"/> v
Default affinity lifetime	<input type="checkbox"/> <input type="text"/> v
Primary search criterion	<input checked="" type="checkbox"/> Userid v
Automatic affinity creation option	<input type="checkbox"/> N_a v
Default target scope	<input checked="" type="checkbox"/> GROUP1 v
RTA event name	<input type="checkbox"/> <input type="text"/> v
Acceptable level of abend probability	<input checked="" type="checkbox"/> 0 (0, 2-99)
Acceptable abend load threshold	<input checked="" type="checkbox"/> 0 (0, 1-98)
Algorithm type	<input checked="" type="checkbox"/> Queue v

Real Time Analysis Setup

Setting up System Availability Monitoring

- Create a Period definition

Main menu

CMAS context:
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Welcome to the CICSplex SM Web User Interface

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Real Time Analysis (RTA) system availability monitoring administration views

CMAS context:
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- [CICS system definitions](#)
- [Analysis specifications](#)
- [Action definitions](#)
- [Time period definitions](#)

Associated views

- [CICS systems associated with analysis specifications](#)
- [CICS system groups associated with analysis specifications](#)

Setting up System Availability Monitoring

- Click the "Create" button

Time period definition



EYUVC1280I 1 records collected at 10/04/05 11:33:09.

Context: Automatic refresh: seconds.
 Period definition name: =

1 records on 1 pages.

Record	Period definition name	Start time	End time	Time zone	Time zone adjustment factor	Description	Last time the definition was changed
1 <input type="checkbox"/>	DDD	00:00	00:01	Z	0		06/14/05 16:00:10

1 records on 1 pages.

Setting up System Availability Monitoring

- Set the time period

Time period definition



Period definition name	✓	<input type="text" value="DAYTIME"/>
Description	<input type="checkbox"/>	<input type="text"/> Aa
Start time	✓	<input type="text" value="08:00"/>
End time	✓	<input type="text" value="18:00"/>
Time zone	✓	<input type="text" value="Z"/>
Time zone adjustment factor	✓	<input type="text" value="0"/>

No Yes

Setting up System Availability Monitoring

- Next, update CICS System definition

Real Time Analysis (RTA) CICS system definition availability monitoring administration views



EYUVC1280I 1 records collected at 10/04/05 11:42:41.



CMAS context:
 Context:
 Scope:

Context: Automatic refresh:
 CICS system definition name: = seconds.

Definitional views

1 records on 1 pages.

- [CICS system definitions](#)
- [Analysis specifications](#)
- [Action definitions](#)
- [Time period definitions](#)

Record	CICS system definition name	Description	CICS VTAM application ID	System ID	Last time the definition was changed
1 <input checked="" type="checkbox"/>	IYK3ZDD4		IYK3ZDD4	MASA	04/29/05 10:43:17

Associated views

- [CICS systems associated with analysis](#)
- [CICS system groups associated with specifications](#)

1 records on 1 pages.

Resource name: CSYSDEF. View name: EYUVC1280I

Setting up System Availability Monitoring

General information

Primary CMAS name	<input type="checkbox"/> IYK3ZDD1
Period definition name	<input checked="" type="checkbox"/> DAYTIME
CICS VTAM application ID	<input type="checkbox"/> IYK3ZDD4
System ID	<input type="checkbox"/> MASA

Workload Management (WLM)

Workload manager status	<input type="checkbox"/> Yes
AOR dynamic routing mode	<input type="checkbox"/> Yes

Real Time Analysis (RTA)

Real time analysis status	<input checked="" type="checkbox"/> Sam
Action for system availability monitoring event	<input type="checkbox"/> []
Severity for system availability monitoring event	<input type="checkbox"/> N_a

Business Application Services (BAS)

Install BAS resources option	<input type="checkbox"/> Never
BAS install failure action	<input type="checkbox"/> Continue
Model system name	<input type="checkbox"/> []

No Yes

Setting up Managed Resource Monitoring

- This example sets up MRM to detect if a file gets set to “Unenabled”.

Main menu

CMAS context:
 Context:
 Scope:

Welcome to the CICSplex SM Web User Interface. Please select an item from the menu below.

General views

- [CICS regions](#)
- [Active tasks](#)
- [ISC and MRO connections](#)
- [Terminals](#)
- [Local files](#)
- [Remote files](#)
- [Local or dynamic transactions](#)
- [Remote transactions](#)
- [Real Time Analysis \(RTA\) outstanding events](#)

View menus

- [CICS operations views](#)
Work with the managed CICS resources.
- [Monitoring views](#)
View the results of CICS resources monitored by CICSplex SM.
- [Real Time Analysis \(RTA\) views](#)
View the CICS resource status alerts.
- [Active workload views](#)
Work with the CICS workloads being managed by CICSplex SM.
- [CICSplex SM operations views](#)
View some of the CICSplex SM configuration.
- [Administration views](#)
Work with CICSplex SM and CICS resource definitions.

Administration views

CMAS context:
 Context:
 Scope:

General views

- [CMAS configuration administration views](#)
- [Monitor administration views](#)
- [Topology administration views](#)
- [Workload manager administration views](#)
- [Batched repository update job](#)

Real Time Analysis (RTA) views

- [System availability monitoring administration views](#)
- [MAS resource monitoring administration views](#)
- [Analysis point monitoring administration views](#)

CICS resource definitions using Business Application Services (BAS)

- [Basic CICS resource administration views](#)
- [Fully functional Business Application Services \(BAS\) administration views](#)

MRM resource definition navigation

Real Time Analysis (RTA) MAS resource monitoring administration views



CMAS context:

Context:

Scope:

Main definitions

- [Analysis specifications](#)
- [Analysis groups](#)
- [Analysis definitions](#)
- [Evaluation definitions](#)
- [User status probe definitions](#)
- [Action definitions](#)
- [Time period definitions](#)

RTASPEC
RTAGROUP
EVALDEF
STATDEF
ACTNDEF
PERIODEF

Association definitions

- [CICS systems associated with analysis specifications](#)
- [CICS system groups associated with analysis specifications](#)
- [Analysis groups in analysis specifications](#)
- [Analysis definitions in groups](#)
- [Status definitions in groups](#)

RTASCOPE

RTAINSPC

RTAINGRP

Evaluation definition

Evaluation definition



EYUVC1315I Attribute, 'EVALCOL', has been successfully updated. 

Evaluation definition name	✓	<input type="text" value="TESTFILE"/>
Description	<input type="checkbox"/>	<input type="text"/> Aa
Sample interval	✓	<input type="text" value="300"/> (1-86400)
Resource table name	✓	<input type="text" value="LOCFILE"/> 
Instance identifier of evaluated resource	✓	<input type="text" value="*"/>
Method of evaluating results in result set	✓	<input type="text" value="Any"/> ▾
Separate task indicator	✓	<input type="text" value="No"/> ▾
Name of field being evaluated	✓	<input type="text" value="ENABLESTATUS"/> 
Evaluation type	✓	<input type="text" value="Value"/> ▾
Evaluation logical operator	✓	<input type="text" value="Eq"/> ▾
Evaluation data value	✓	<input type="text" value="Unenabled"/> Aa
Severity assigned when result meets criteria	✓	<input type="text" value="Vhs"/> ▾

Action definition

Action definition



EYUVC1280I 1 records collected at 10/04/05 14:40:15.

Context: Automatic refresh: seconds.
 Action name: =

1 records on 1 pages.

Record	Action name	Generate event option	Name of view that may provide useful information	Generate external message option	Generate SNA generic alert option	Restart MAS option	Description	Last time the definition was changed
1 <input type="checkbox"/>	SDFS	No		No	No	No		10/04/05 14:40:08

1 records on 1 pages.

Action definition

Action definition



Action name	<input checked="" type="checkbox"/> TESTACTN
Description	<input type="checkbox"/> <input type="text"/> Aa
Generate event option	<input checked="" type="checkbox"/> Yes
Name of view that may provide useful information	<input type="checkbox"/> <input type="text"/>
Action priority	<input checked="" type="checkbox"/> 1
Message to send when event occurs	<input type="checkbox"/> <input type="text"/> Aa
Generate external message option	<input checked="" type="checkbox"/> No
External message sent when event occurs	<input type="checkbox"/> <input type="text"/> Aa
External message sent when event is cleared	<input type="checkbox"/> <input type="text"/> Aa
Generate SNA generic alert option	<input checked="" type="checkbox"/> No
CMAS to which NetView attached	<input type="checkbox"/> <input type="text"/>
Message text when alert is raised	<input type="checkbox"/> <input type="text"/> Aa
Message text when alert is cleared	<input type="checkbox"/> <input type="text"/> Aa
Restart MAS option	<input checked="" type="checkbox"/> No

Note that this is the EUI view name

In the range from 1 to 255

No Yes

RTA definition

RTA definition



EYUVC1280I 3 records collected at 10/04/05 14:45:01.



Context: Automatic refresh: seconds.
RTA definition name: =

3 records on 1 pages.

Record	RTA definition name	Analysis interval	Action definition name	Description	Last time the definition was changed
1 <input type="checkbox"/>	DAN1	300	DAN1		06/14/05 16:06:25
2 <input type="checkbox"/>	DDD	300	DAN1		09/28/05 11:12:18
3 <input type="checkbox"/>	DDD2	300	DAN1		09/28/05 11:12:33

3 records on 1 pages.

RTA definition

RTA definition



EYUVC1315I Attribute, 'ACTION', has been successfully updated. 

RTA definition name TESTRTAD

Description Aa

Execute evaluation modification string No

Analysis interval 300 (1-86400)

Action definition name TESTACTN 

Count of true evaluations before VLS raised 1 (1-9999)

Count of false evaluations before VLS resolved 1 (1-9999)

Count of true evaluations before LS raised 1 (1-9999)

Count of false evaluations before LS resolved 1 (1-9999)

Count of true evaluations before I W raised 1 (1-9999)

RTA definition

Count of true evaluations before LW raised	✓ <input type="text" value="1"/>	(1-9999)
Count of false evaluations before LW resolved	✓ <input type="text" value="1"/>	(1-9999)
Count of true evaluations before HW raised	✓ <input type="text" value="1"/>	(1-9999)
Count of false evaluations before HW resolved	✓ <input type="text" value="1"/>	(1-9999)
Count of true evaluations before HS raised	✓ <input type="text" value="1"/>	(1-9999)
Count of false evaluations before HS resolved	✓ <input type="text" value="1"/>	(1-9999)
Count of true evaluations before VHS raised	✓ <input type="text" value="1"/>	(1-9999)
Count of false evaluations before VHS resolved	✓ <input type="text" value="1"/>	(1-9999)

Evaluation expression ✓

RTA group

RTA group



EYUVC1280I 1 records collected at 10/04/05 14:51:57.



Context: Automatic refresh: seconds.

RTA group name: =

1 records on 1 pages.

Record	RTA group name	Description	Last time the definition was changed
1 <input type="checkbox"/>	VCVBVB		05/20/05 11:19:52

1 records on 1 pages.

RTA group

RTA group



RTA group name

TESTRTAG

Description

Aa

No

Yes

RTA specification

RTA specification



EYUVC1230I	'Create' (CREATE) request completed successfully for 1 records.	
EYUVC1280I	2 records collected at 10/04/05 15:05:21.	

Context: Automatic refresh: seconds.
RTA specification name: =

2 records on 1 pages.

Record	RTA specification name	Description	Last time the definition was changed
1 <input type="checkbox"/>	NEWSPEC		05/20/05 11:20:32
2 <input type="checkbox"/>	TESTRTAS		10/04/05 15:05:21

2 records on 1 pages.

RTA specification

RTA specification



RTA specification name	<input checked="" type="checkbox"/> TESTRTAS
Description	<input type="checkbox"/> <input type="text"/> Aa
System availability management	
Action for system availability monitoring event	<input type="checkbox"/> <input type="text"/>
Severity for system availability monitoring event	<input type="checkbox"/> <input type="text"/> ▼
Action for short on storage (SOS) event	<input type="checkbox"/> <input type="text"/>
Severity for short on storage (SOS) event	<input type="checkbox"/> <input type="text"/> ▼
Action for system dump event	<input type="checkbox"/> <input type="text"/>
Severity for system dump event	<input type="checkbox"/> <input type="text"/> ▼
Action for transaction dump event	<input type="checkbox"/> <input type="text"/>
Severity for transaction dump event	<input type="checkbox"/> <input type="text"/> ▼
Action for CICS-at-maximum-tasks event	<input type="checkbox"/> <input type="text"/>
Severity for CICS-at-maximum-tasks event	<input type="checkbox"/> <input type="text"/> ▼
Action for CICS-stalled event	<input type="checkbox"/> <input type="text"/>
Severity for CICS-stalled event	<input type="checkbox"/> <input type="text"/> ▼

No Yes

Add associations

- Associate the RTA definition with an RTA group.

3 <input type="checkbox"/>	DDD2	300	DAN1	09/28/05 11:12:33
4 <input checked="" type="checkbox"/>	TESTRTAD	300	TESTACTN	10/04/05 14:51:52

4 records on 1 pages.

Create... Update... Remove... Install... Install analysis specification...
Add to RTA group...

- Associate an RTA group with an RTA specification.

1 <input checked="" type="checkbox"/>	TESTRTAG	10/04/05 14:55:23
2 <input type="checkbox"/>	VCVBVB	05/20/05 11:19:52

2 records on 1 pages.

Create... Update... Remove... Install... Install analysis specification...
Add to RTA specification... Add to RTA analysis point specification...

- Associate an RTA specification with a CICS system.

1 <input type="checkbox"/>	NEWSPEC	05/20/05 11:20:32
2 <input checked="" type="checkbox"/>	TESTRTAS	10/04/05 15:05:21

2 records on 1 pages.

Create... Update... Remove... Associate CICS system... Associate CICS group...

Change RTA state of the system

Main menu

CMAS context:
Context:
Scope:

Welcome to the CICSplex SM Web User Interface. Please select an item from the menu below.

General views

- [CICS regions](#)
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CICSplex SM operations views

CMAS context:
Context:
Scope:

MAS views

- [System group definitions](#)
- [CICS system definitions](#)
- [Status of MASs known to CICSplex](#)

CMAS views

- [CMASs known to local CMAS](#)
- [CICSplexes managed by CMAS](#)
- [CMASs managing CICSplex](#)
- [CMAS-to-CMAS links](#)
- [CMAS-to-MAS links](#)

Change RTA state of the Runtime MAS display

EYUVC1280I 1 records collected at 10/04/05 15:19:22.

Refresh

CICS system name: YK3ZDD4

EYUVC1280I 1 records collected at 10/04/05 15:19:22.

Context:

Scope:

CICS system name: =

Attributes

MAS type: Local

CMAS name: YK3ZDD1

MAS status: Active

CICS system description

Activity

Monitoring status: No

Real time analysis status: Yes

Workload manager status: Yes

Time

Time zone:

Time zone offset:

Daylight savings in effect: No

Security

Simulated security command check: No

Simulated security resource check: No

Simulated security exemption check: No

[Real Time Analysis details](#)

[Monitoring details](#)

Record	CICS system name	MAS type	CMAS name	MAS status	Monitoring status
1	YK3ZDD4	Local	YK3ZDD1	Active	No

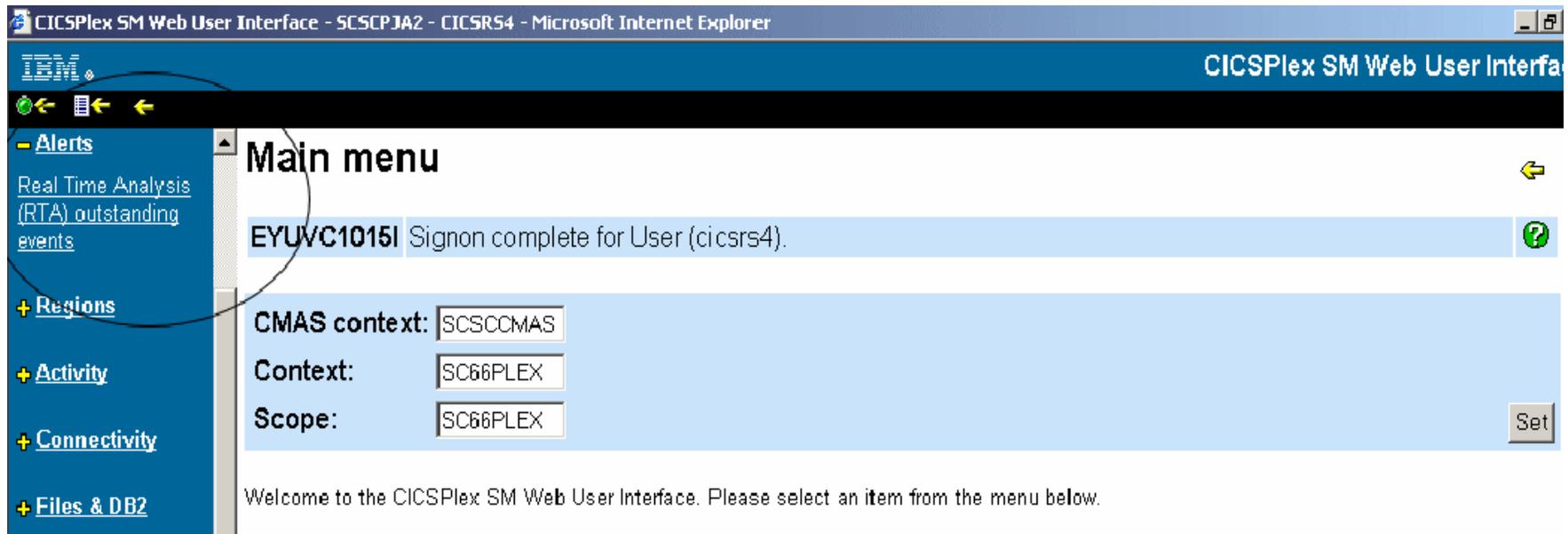
Stop...

Apply changes Stop...

Problem determination using the WUI

The Scenario

- New application added to the CICSplex.
- No one was informed the new application need a considerable amount of “above the line” storage.
- Users connected to the CICSplex complain they are getting slow response times or their terminals are hanging.
- To determine if there is a problem we look at the outstanding events.



The screenshot shows the CICSplex SM Web User Interface in a Microsoft Internet Explorer browser window. The browser title bar reads "CICSplex SM Web User Interface - SCSCPJA2 - CICSRS4 - Microsoft Internet Explorer". The page header includes the IBM logo and "CICSplex SM Web User Interface". A left-hand navigation menu is visible with categories: Alerts, Real Time Analysis (RTA) outstanding events, Regions, Activity, Connectivity, and Files & DB2. The main content area is titled "Main menu" and displays a list of events. The first event is highlighted in blue and reads "EYUVC1015I Signon complete for User (cicsrs4)". Below this event, there are three input fields: "CMAS context:" with the value "SCSCCMAS", "Context:" with the value "SC66PLEX", and "Scope:" with the value "SC66PLEX". A "Set" button is located to the right of these fields. At the bottom of the main content area, a message reads: "Welcome to the CICSplex SM Web User Interface. Please select an item from the menu below."

Problem

- Region is Short on Storage

Real Time Analysis (RTA) Outstanding Events

EYUVC1280I 170 records collected at 05/31/05 12:01:59.

Context: SC56PLEX

Event name: =

Current event target: =

Event severity: =

Event priority: -

Automatic refresh: 60 seconds.

Refresh

170 records on 7 pages. Page: 1 Go to page Next

Record	Event name	Current event target	Event severity	Event priority	Event type	Detailed information availability	Associated view that provides extra information	Resource type	Name of specific resource that caused event	Event description
1	IISAMSOS	SCSCPA A1	Hs	255	Sam	No	CICSDSA			SOSABC SOS at 12:00:29
2	IISAMSTL	SCSCPTA1	Vhs	255	Sam	No	TASK			IRLINK STALLED 12:01:17
3	IISAMSTL	SCSCPTA2	Vhs	255	Sam	No	TASK			IRLINK STALLED 12:01:27

Customised CICS Storage View

CICS Storage Utilization

EYUVC12801 8 records collected at 06/02/05 15:50:42. ?

Context:
Automatic refresh: 10 seconds.
Scope:

8 records on 1 pages.

Record	CICS system name	Total storage currently allocated to DSAs	Total storage currently allocated to EDSAs	Peak amount of storage allocated to DSAs	Peak amount of storage allocated to EDSAs	Short on storage status	Storage protection status	Transaction isolation status
		▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲	▼▲▲
1 <input type="checkbox"/>	SCSCPAA1	3MB	46MB	3MB	49MB	Sosabove	Inactive	Inactive
2 <input type="checkbox"/>	SCSCPAA4	1MB	44MB	1MB	44MB	Notsos	Inactive	Inactive
3 <input type="checkbox"/>	SCSCPJA2	1MB	51MB	1MB	51MB	Notsos	Inactive	Inactive
4 <input type="checkbox"/>	SCSCPJA6	2MB	50MB	2MB	50MB	Notsos	Inactive	Inactive
5 <input type="checkbox"/>	SCSCPJA7	2MB	47MB	2MB	47MB	Notsos	Inactive	Inactive
6 <input type="checkbox"/>	SCSCPLA1	1MB	42MB	1MB	42MB	Notsos	Inactive	Inactive
7 <input type="checkbox"/>	SCSCPTA1	2MB	36MB	2MB	36MB	Notsos	Inactive	Inactive
8 <input type="checkbox"/>	SCSCPTA2	2MB	36MB	2MB	36MB	Notsos	Inactive	Inactive

8 records on 1 pages.

Problem spreads to other regions

337 records on 14 pages. Page: 1

Event name	Current event target	Event severity	Event priority	Event type	Detailed information availability	Associated view that provides extra information	Resource type	Name of specific resource that caused event	Event description
IISAMSOS	SCSCPAA1	Hs	255	Sam	No	CICSDSA			SOSABOVE SOS at 09:49:44
IISAMSOS	SCSCPJA7	Hs	255	Sam	No	CICSDSA			SOSABOVE SOS at 09:52:06
IISAMSTL	SCSCPTA1	Vhs	255	Sam	No	TASK			IRLINK STALLED at 09:50:45
IISAMSTL	SCSCPTA1	Vhs	255	Sam	No	TASK			ALLCSESS STALLED at 09:54:17
IISAMSTL	SCSCPTA2	Vhs	255	Sam	No	TASK			IRLINK STALLED at 09:50:35
IISAMSTL	SCSCPTA2	Vhs	255	Sam	No	TASK			ALLCSESS STALLED at 09:54:07
CMZCB206	SCSCPAA4	Hw	1	Mrm	Yes		CICSSTOR	SCSCPAA4	CDSA less than 20%

Confirm Short on Storage

CICS Storage Utilization ← ★ ↻ 🗄

EYUVC1280 | 8 records collected at 06/03/05 10:12:18. ?

Context: Automatic refresh: 10 seconds.

Scope: Refresh

8 records on 1 pages.

Record	CICS system name	Total storage currently allocated to DSAs	Total storage currently allocated to EDSAs	Peak amount of storage allocated to DSAs	Peak amount of storage allocated to EDSAs	Short on storage status	Storage protection status	Transaction isolation status
1	SCSCPAA1	2MB	46MB	2MB	47MB	Sosabove	Inactive	Inactive
2	SCSCPAA4	1MB	44MB	1MB	44MB	Notsos	Inactive	Inactive
3	SCSCPJA2	1MB	48MB	1MB	48MB	Notsos	Inactive	Inactive
4	SCSCPJA6	2MB	50MB	2MB	50MB	Notsos	Inactive	Inactive
5	SCSCPJA7	2MB	41MB	2MB	41MB	Sosabove	Inactive	Inactive
6	SCSCPLA1	1MB	42MB	1MB	42MB	Notsos	Inactive	Inactive
7	SCSCPTA1	2MB	37MB	2MB	37MB	Notsos	Inactive	Inactive
8	SCSCPTA2	2MB	37MB	2MB	37MB	Notsos	Inactive	Inactive

8 records on 1 pages.

Update Limit..

Alter CICS Storage

CICS Storage Capacity

EYUVC1280I 8 records collected at 06/03/05 10:12:18.

Refresh

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">CICS system name</td> <td>SCSCPAA1</td> </tr> <tr> <td>Total storage currently allocated to DSAs</td> <td>2MB</td> </tr> <tr> <td>Total storage currently allocated to EDSAs</td> <td>46MB</td> </tr> <tr> <td colspan="2">DSA statistics</td> </tr> <tr> <td>Current size of CDSA</td> <td>1MB</td> </tr> <tr> <td>Current CDSA cushion size</td> <td>64KB</td> </tr> <tr> <td>Current size of RDSA</td> <td>256KB</td> </tr> <tr> <td>Current RDSA cushion size</td> <td>64KB</td> </tr> <tr> <td>Current size of SDSA</td> <td>256KB</td> </tr> <tr> <td>Current SDSA cushion size</td> <td>64KB</td> </tr> <tr> <td>Current size of UDSA</td> <td>256KB</td> </tr> <tr> <td>Current UDSA cushion size</td> <td>64KB</td> </tr> </table>	CICS system name	SCSCPAA1	Total storage currently allocated to DSAs	2MB	Total storage currently allocated to EDSAs	46MB	DSA statistics		Current size of CDSA	1MB	Current CDSA cushion size	64KB	Current size of RDSA	256KB	Current RDSA cushion size	64KB	Current size of SDSA	256KB	Current SDSA cushion size	64KB	Current size of UDSA	256KB	Current UDSA cushion size	64KB	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Short on storage status</td> <td>Sosabove</td> </tr> <tr> <td>Current DSA limit</td> <td><input type="checkbox"/> 2MB</td> </tr> <tr> <td>Current EDSA limit</td> <td><input type="checkbox"/> 30MB</td> </tr> <tr> <td colspan="2">EDSA statistics</td> </tr> <tr> <td>Current size of ECDSA</td> <td>19MB</td> </tr> <tr> <td>Current ECDSA cushion size</td> <td>128KB</td> </tr> <tr> <td>Current size of ERDSA</td> <td>24MB</td> </tr> <tr> <td>Current ERDSA cushion size</td> <td>256KB</td> </tr> <tr> <td>Current size of ESDSA</td> <td>1MB</td> </tr> <tr> <td>Current ESDSA cushion size</td> <td>128KB</td> </tr> <tr> <td>Current size of EUDSA</td> <td>2MB</td> </tr> <tr> <td>Current EUDSA cushion size</td> <td>0</td> </tr> </table>	Short on storage status	Sosabove	Current DSA limit	<input type="checkbox"/> 2MB	Current EDSA limit	<input type="checkbox"/> 30MB	EDSA statistics		Current size of ECDSA	19MB	Current ECDSA cushion size	128KB	Current size of ERDSA	24MB	Current ERDSA cushion size	256KB	Current size of ESDSA	1MB	Current ESDSA cushion size	128KB	Current size of EUDSA	2MB	Current EUDSA cushion size	0
CICS system name	SCSCPAA1																																																
Total storage currently allocated to DSAs	2MB																																																
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DSA statistics																																																	
Current size of CDSA	1MB																																																
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Current RDSA cushion size	64KB																																																
Current size of SDSA	256KB																																																
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Current size of UDSA	256KB																																																
Current UDSA cushion size	64KB																																																
Short on storage status	Sosabove																																																
Current DSA limit	<input type="checkbox"/> 2MB																																																
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Current ECDSA cushion size	128KB																																																
Current size of ERDSA	24MB																																																
Current ERDSA cushion size	256KB																																																
Current size of ESDSA	1MB																																																
Current ESDSA cushion size	128KB																																																
Current size of EUDSA	2MB																																																
Current EUDSA cushion size	0																																																

Update Limits

Problem has been alleviated

CICS Storage Utilization

EYUVC1280I 8 records collected at 06/03/05 11:45:55.

Context: SC68PLEX Automatic refresh: 10 seconds

Scope: SC68PLEX

8 records on 1 page

Record	CICS system name	Total storage currently allocated to DSAs	Total storage currently allocated to EDSAs	Peak amount of storage allocated to DSAs	Peak amount of storage allocated to EDSAs	Short on storage status	Storage protection status	Transaction isolation status
1	SCSCPAA1	2MB	57MB	2MB	57MB	Notsos	Inactive	Inactive
2	SCSCPAA4	1MB	44MB	1MB	44MB	Notsos	Inactive	Inactive
3	SCSCPJA2	1MB	48MB	1MB	48MB	Notsos	Inactive	Inactive
4	SCSCPJA6	2MB	50MB	2MB	50MB	Notsos	Inactive	Inactive
5	SCSCPJA7	2MB	41MB	2MB	41MB	Sosabove	Inactive	Inactive
6	SCSCPLA1	1MB	42MB	1MB	42MB	Notsos	Inactive	Inactive
7	SCSCPTA1	2MB	37MB	2MB	37MB	Notsos	Inactive	Inactive
8	SCSCPTA2	2MB	37MB	2MB	37MB	Notsos	Inactive	Inactive

8 records on 1 page

Update Limit: _____

Summary

- Managing CICS resources
 - Disabling transactions
 - New copy action on a program
 - Closing Files with the WUI
 - Cleaning REQIDs

- Setting up a WLM Workload

- Setting up RTA

- Problem determination using the WUI
 - Storage Problem