

E52

ShopzSeries: Ordering service and Products for z/VSE and z/VM on-line

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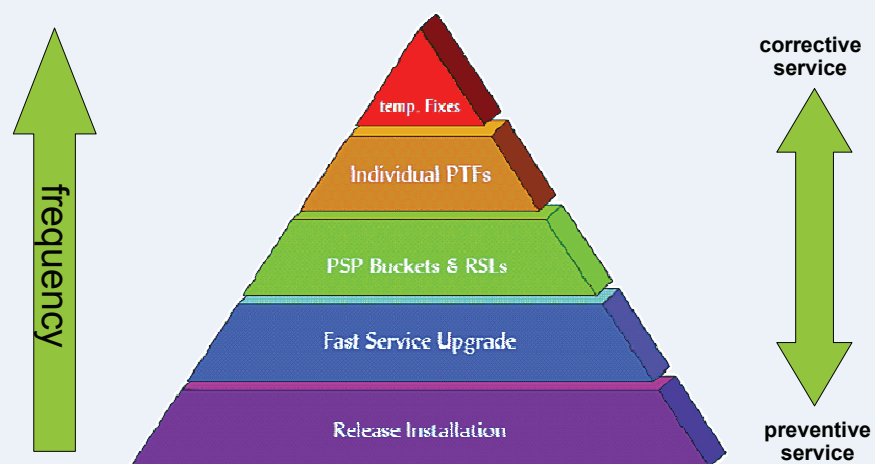
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Agenda

- **Service deliverables**
 - Refresh, PSP, RSL, RSU ...
- **How to help yourself in case of a problem**
 - Search for APARs and PTFs
- **ShopzSeries**
 - Ordering service and products
 - Installing downloaded PTFs and products

VSE service pyramid



The service pyramid for VM is similar, e.g. instead of FSU -> RSU

Priority 1: Stay on a supported level

- **Make sure that your system is always on a supported level**
 - to get help and support from IBM when you need it
- **Plan ahead sufficient time**
 - for release or version upgrade
 - for PTF installation
- **IBM announces End-of-Service dates at least 12 Month ahead**
 - VSE: <http://www.ibm.com/servers/eserver/zseries/zvse/>
 - VM: <http://www.vm.ibm.com/techinfo/lpmigr/vmleos.html>
- **Consult your software vendors for upgrades and specific information**



End-of-Service dates

Product	End of Marketing	End of Service
z/VSE 4.1	-	-
z/VSE 3.1	May 31, 2008	-
VSE/ESA 2.7	September 30, 2005	February 28, 2007
VSE/ESA 2.6	March 14, 2003	March 31, 2006
VSE/ESA 2.5	December 14, 2001	December 31, 2003

<http://www.ibm.com/servers/eserver/zseries/zvse/about/status.html>

Product	End of Marketing	End of Service
z/VM 5.3	-	September 2010
z/VM 5.2	-	April 2009
z/VM 5.1	September 2006	September 2007
z/VM 4.4	March 2006	September 2006
z/VM 4.3	August 2003	May 2005

<http://www.vm.ibm.com/techinfo/lpmigr/vmleos.html>

VSE: Refreshes

- **VSE Base Tapes + Optional Product Tapes**
 - For Fast Service Upgrade (FSU)
 - Upgrade from older releases Releases (e.g. VSE/ESA 2.7 -> z/VSE 3.1)
 - Refresh to a higher Level (e.g. z/VSE 3.1.0 -> z/VSE 3.1.1)
 - For base installation
- Contains all PTFs available until a cut off day
- have undergone a basic regression test by IBM
- are orderable until a new refresh level or new release becomes available

Product	End of Marketing	End of Service
z/VSE 4.1.0	-	-
z/VSE 3.1.2	May 31, 2008	-
VSE/ESA 2.7.3	September 30, 2005	February 28, 2007
VSE/ESA 2.6.3	March 14, 2003	March 31, 2006

VM: Recommended Service Upgrade (RSU)

- List of recommended PTFs at specified cut off day
 - Contains not only HIPER PTFs
 - Only available for VM
- Updated 2-3 times a year
- Can be ordered from IBM Service or Internet
 - use RSU Number (e.g.. UM97520)
 - ShopzSeries: <http://www.ibm.com/software/shopzseries>
 - RSU Lists: <http://www.vm.ibm.com/service/rsu/>
 - Additional info: <http://www.vm.ibm.com/service/oi.html>
 - Will be shipped like PTF Service Envelope(s)

VSE: Recommended Service Levels (RSLs)

- List of ALL available PTFs at specified cut off day
 - contains not only HIPER PTFs
 - only available for VSE
- Kept up to date on a 2-3 Month period
- Can be ordered from IBM Service or Internet
 - copy & paste PTF List into the service order (ShopzSeries)
- Will be shipped as PTF Tape(s)
- <http://www.ibm.com/servers/eserver/zseries/zvse/support/preventive.html#rsi>

VSE: Recommended Service Levels (RSLs)

Service recommended for	PTF Order List	Cutoff Date
z/VSE 3.1.1 Base Products Option	PTFs 311B	November 30,
z/VSE 3.1.0 Base P Option	Recommended service levels PTF numbers November 30, 2005:	
VSE/ESA 2.7.3 Base B Option	z/VSE 3.1.1 base products (total size of RSL: 16.9MB)	
VSE/ESA 2.7.2 Base P Option	CICS Transaction Server for VSE/ESA 1.1.1 UK07647 UK07656 UK07779 UK08223 UK08369 UK08567	
VSE/ESA 2.7.1 Base P Option	DITTO/ESA VERSION 1.3.0 UK07731 UK08473	
	EREP 3.5.0 UD52922 UD52943 UD52946	
	ICKDSF 1.17.0 UK07981	

The PTF list can be copy & pasted into a service order in ShopzSeries

Preventive Service Planning (PSP Buckets)

- List of PTFs that solve „High Impact or Pervasive“ (HIPER) problems
- Available for every refresh level
 - e.g. VSEESA273, ZVSE310, ...
- Are permanently maintained and kept up to date by the product change teams
- are divided into subsets for the individual components and hardware devices
 - e.g.. IBMLANG/75K, 2086DEVICE
- Can be ordered from IBM Service or Internet
 - use PSP name plus subset (e.g. VSEESA273 - BASESERVICE)
 - ShopzSeries: <http://www.ibm.com/software/shopzseries>
 - List: <https://techsupport.services.ibm.com/server/390.psp390>
- Will be shipped as PTF Tape(s) or Service Envelop(s)

Comparison of the service deliverables

	Refresh	RSU	RSL	PSP	PTF
What is it	Complete Product (includes all PTFs)	List of recommended PTFs at a cut off day	List of ALL PTFs at a cut off day	List of selected PTFs (HIPER)	Official Fix for a code problem (APAR)
When is it available	Every 6-12 Month, usually for the newest release	Updated 2-3 times a year	Every 2-3 Month	Is constantly kept up to date	Will be created when a fix is available
When should it be installed	For base install or Fast Service Upgrade (FSU)	Preventive to stay on an current level	Preventive to stay on an current level	After a refresh installation and preventive to avoid HIPER problems	To fix a certain problem

Service recommendations

- It is essential to have a preventive maintenance strategy
- Install the latest Refresh
 - every 12 Month
- If you are on a current refresh level:
 - Install the newest RSL
 - every 6 Month
 - Install the newest PSP Bucket
 - every 3 Month
 - also order the hardware bucket when you install new hardware



Service recommendations

- **When migrating onto a new release or version:**
 - Order and install the latest refresh level
 - Order and install the newest RSLs and PSP buckets for this refresh
 - Also consult your Software Vendors for their corresponding service levels
 - Have a testing period to make sure everything runs well as it did before
 - Order and install the newest PSP bucket again 2-3 weeks before production cutover
 - Before production cutover have a fallback plan in place
- **When you migrate to a new hardware**
 - Order and install the corresponding hardware buckets before you migrate to the new hardware
 - Before production cutover have a fallback plan in place

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How to help yourself in case of a problem

- **What to do if you encounter a problem ???**
 - What did change since it worked the last time? Make sure you carefully document every change!
 - Change back all changes step by step. Do you still encounter the problem?
 - Is the problem reproducible? If yes, what do you do to force the problem to occur? Try different variations.
 - Collect information about the problem
 - When exactly does it occur? What is the trigger?
 - What is the result of the problem? Error message, Dump, Hardwait, Loop, Performance loss, ...
 - Which products or components are affected?

How to help yourself in case of a problem

- **Is this already a known and fixed problem?**
 - Search the APAR database
 - <https://techsupport.services.ibm.com/server/zseries.srchBroker>
 - **Keywords: Message number, symptom, ...**
 - VSE: APAR Lists available for each release and component on the VSE support page
 - <http://www.ibm.com/servers/eserver/zseries/zvse/support/corrective.html>
 - VSE Hot Service News:
 - <http://www.ibm.com/servers/eserver/zseries/zvse/support/index.html#news>
- **Call IBM Support**
 - **IBM L1 searches internal problem database and/or passes the problem to the L2 team**

Example – Search with Message number

- **The following message occurs:**
 L151I UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS
 IN MODULE INLPOPEN PHASE \$IJBLBR - RC = X'10'

Technical help database
for mainframe operating environments

Search for technical documents related to the mainframe operating systems. To include software products that run in the mainframe operating environment, select a group of products using the "Expand search to other product categories" or "Quick Select" options below.

Search mainframe systems:

Sort results by:

Expand search to other product categories:
 -- Use Ctrl to select more than one item --
 Application Servers
 Application & Web Development Tools
 Applications - Desktop & Enterprise
 Business Integration
 Collaboration & Knowledge

Quick Selects:
 All Categories
 Collaboration
 Data Management
 Development Software
 Hardware
 Software Management
 Transaction Software
 Web Software

Limit search to selected documents:
 APARs
 FAQs
 Product information
 Solutions
 White Papers
 Flashes
 Preventive service planning
 Redbook abstracts
 Technotes

Technical help database
for mainframe operating environments

Search within results for: **L151I VSE**
 Optionally, limit results by choosing one or more of the items below.

Additional search terms:

Document type: --APARs (Authorized Program Analysis Rep)

Sort results by:

[New technical support search](#) [Advanced search](#)

Product category:

1 - 2 of 2 items found*

		Modified date
[1]	DY46349: LIBRM GETS L151I UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS IN MODULE INLPOPEN PHASE \$IJBLBR - RC = X'10' LIBRM gets MSG L151I UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS IN MODULE INLPOPEN PHASE \$IJBLBR - RC = X'10'. [More items like this found in #Z/SE_VSE/ESA]	2005-10-07
[2]	DY46202: LIBRM GETS L151I UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS IN MODULE INLPOPEN PHASE \$IJBLBR - RC = X'10' LIBRM gets MSG L151I UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS IN MODULE INLPOPEN PHASE \$IJBLBR - RC = X'10'. [More items like this found in #Z/SE_VSE/ESA]	2005-08-25

Example – Search results

DY46209: LIBRM GETS L1511 UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVISIN MODULE INLPOPEN PHASE \$IJB LBR - RC = X'10'

A fix may be available

[Obtain the fix for this APAR](#)

APAR status

Closed as program error.

Error description

LIBRM gets NSGLISLI UNEXPECTED RETURN CODE FROM MACRO/MODULE GETVIS IN MODULE INLPOPEN PHASE \$IJB LBR - RC = X'10'. GETVIS RC X'10' means "maximum number of subpools exceeded".

Local fix

Problem summary

```
*****
* USRS AFFECTED: LIBRM in 7x24 partition.
*****
* PROBLEM DESCRIPTION: NSGLISLI UNEXPECTED RETURN CODE
*****
* RECOMMENDATION:
*****
LIBRM gets NSGLISLI UNEXPECTED RETURN CODE FROM MACRO/MODULE
GETVIS IN MODULE INLPOPEN PHASE $IJB LBR - RC = X'10'.
GETVIS RC X'10' means "maximum number of subpools exceeded".
This occurs in a never ending partition using LIBRM macros
in different subtasks. The Librarian uses subpool IDs built
of the string 'INLC' or 'INLG' concatenated with the task
identifier (TID). The subpool ID is not freed at end of task.
Therefore the maximum of 128 subpools is exceeded after some
time.
```

Problem conclusion

For partition GETVIS requests the TID is no longer part of the subpool ID.

Temporary fix

Comments

APAR information

APAR number	DY46209
Reported component name	VSE/AF SVR BAM
Reported component ID	568606606
Reported release	65C
Status	CLOSED PER
PE	NoPE
HIPER	NOHIPER
Submitted date	2005-02-03
Closed date	2005-03-22
Last modified date	2005-08-25

APAR is sysrouted FROM one or more of the following:

APAR is sysrouted TO one or more of the following:
UD52738 UD52739 [DY46349](#)

Modules/Macros

INLPGVVF

Fix information

Fixed component name	VSE/AF SVR BAM
Fixed component ID	568606606

Applicable component levels

R65C PSY [UD52738](#) UP05/05/03 1 1000
R75C PSY [UD52739](#) UP05/05/03 1 1000

> PTF can be ordered using this link

> Or copy & paste it into a ShopzSeries order

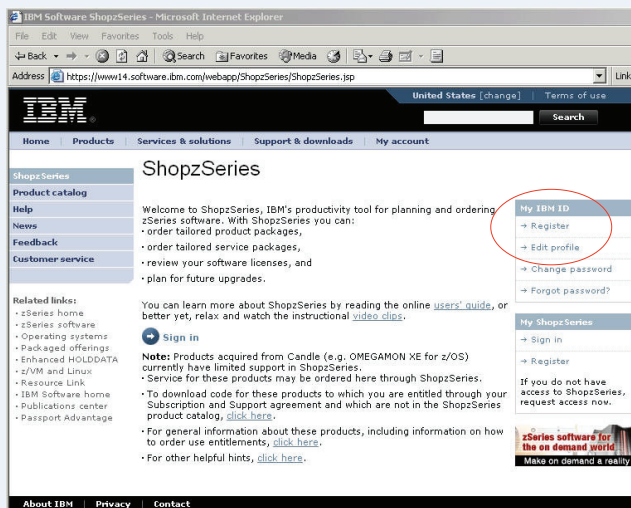
Agenda

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What is ShopzSeries ?

- IBM's productivity tool for planning and ordering zSeries software
- With ShopzSeries you can:
 - order tailored product and service packages for z/OS, z/OS.e, z/VM and VSE/ESA, z/VSE
 - review your software licenses in all of these environments
 - plan for future upgrades.
- URL:
 - <http://www.ibm.com/software/shopzseries>

IBM ShopzSeries - Sign in



- You need an IBM-ID
- The IBM-ID is free of charge and can be registered within minutes
- With ShopzSeries you create a profile that contains your hardware systems

IBM ShopzSeries - Profile

The screenshot shows two pages from the IBM ShopzSeries website. The left page is 'My profile' and the right page is 'My hardware systems'.

My profile page:

- Navigation: Home, Products, Services & solutions, Support & downloads, My account
- Section: My profile
- Text: To update your ShopzSeries profile, update the form below.
- Text: The fields indicated with an asterisk (*) are required to complete this transaction; other fields are optional. If you do not want to provide us with the required information, please use the Back button on your browser, or close the window or browser session that is displaying this page, to return to the previous page.
- Form fields:
 - User ID: ifranzki
 - Access level: Submitter
 - First name: Ingo
 - Last name: Franzki
 - E-mail address: ifranzki@de.ibm.com
 - Phone number: +49 (0)7031-16-4648
 - Country: Germany
 - Company: IBM
 - Customer numbers*: 997734 (dropdown menu)
 - Text: * e.g. 1234567
 - Text: * one per line
 - Text: Customer numbers must be verified before you can view data related to them or order software for them. This may take up to three business days.
 - E-mail notifications: Please notify me when new z/OS preventive service levels become available.
- Submit button

My hardware systems page:

- Section: My hardware systems
- Text: To update system nicknames, enter the nicknames below.
- Section: Hardware systems for customer number 997734
- Table:

Aggr- gation	Nickname	Designated machine / Description	Type-model	Serial no.	System no.
None	2064209982	20642099820 / IBM zSeries 900			
		2064-116	99020	DSLAB	
	2084021851	2084021851A / IBM zSeries 990, 16 Engines			
		2084-316	1851A	DUPVB	
	9021515297	90215152979 / no description available			
		?	?	?	
	9672000000	96720000000 / no description available			
		?	?	?	
	9672516599	96725165998 / S/390 Processor			
		9672-RX4	65998	DOROT	
	9672516717	96725167176 / no description available			
		?	?	?	

IBM ShopzSeries – Create an order

The screenshot shows the 'My orders' page in the IBM ShopzSeries website.

- Navigation: Home, Products, Services & solutions, Support & downloads, My account
- Section: My orders
- Buttons: Create new order, Draft orders, In process, Completed
- Text: To begin the software ordering process, select the appropriate values below.
- Form fields:
 - Customer number: 997734 (dropdown menu)
 - Operating environment: z/VSE (dropdown menu)
 - Package category: Service (dropdown menu)
- Continue button

- You can order products or service for VSE, VM and z/OS
- You will get a notification e-Mail when your order is ready
- You can download the product or service packages or you get it on CD-ROM or tape

IBM ShopzSeries – Order service

Step 1 of 5 Specify order basics

Review and specify the basic details of your order.

Order name: Service - March 21, 2006, 11:15
 Customer number: 997734
 Operating environment: z/VM
 Package category: Service
 Package type: individual PTFs
 PTFs for individual APARs
 PSP critical service

Buttons: Discard, Continue

VM

VSE

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Upload your Installed Software Report

Step 2 of 5 Report installed software

Service - March 15, 2006, 20:12

Installed software reports are used with service orders to identify the products and features which are available to be serviced and to exclude service which you have already received. PTF service orders optionally use an installed software report.

Select an installed software option.

Do not use a report for this order

Use an existing report for this order
 Report name: VSECON (2006-01-13 11:05:59)

Replace an existing report for this order
 Report name: VSECON (2006-01-13 11:05:59)
 File name: Browse...

Upload a new report for this order
 Report name:
 File name: Browse...

Buttons: Previous, Save, Discard, Continue

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VSE: Installed Software Report Tool

Profile: VSECON
 IP or hostname: vsecon.boeblingen.de.i...
 User ID: fran
 Customer No.: 9999999

Output file:

Profile	Customer	Description
VSECON	9999999	
VSEFRAN	9999999	
VSEFRAN2	9999999	VSEFRAN2

Edit profile data

Profile name: VSECON
 IP or hostname: vsecon.boeblingen.d...
 User ID: FRAN
 Password: *****
 Country: Germany
 Customer No.: 9999999
 Description:

Download:

<http://www.ibm.com/servers/eserver/zseries/zvse/downloads/tools.html#isrtool>

VSE: Installed Software Report Tool

Profile: VSECON
 IP or hostname: vsecon.boeblingen.de.i...
 User ID: fran
 Customer No.: 9999999

Output file:

ShopzSeries VSE Installed Software Report Generator

Message log (see 'E:\ISRTool\VSEISRTool.log'):

```
VSE Installed Software Report generator started.
SystemID      = VSECON
Host          = vsecon.boeblingen.de.ibm.com
User          = fran
CustomerNumber = 9999999
CountryCode   = 724
VSE Installed Software Report will be generated into 'VSECON.report'.
FTP: Opening connection. Host=vsecon.boeblingen.de.ibm.com User=fran
FTP: Welcome message:
TCP/IP for VSE FTP Daemon Version 01.05 D 03/16/04 12.26
Copyright (c) 1995,2003 Connectivity Systems Incorporated
FTPD ready for new user.

FTP: quote SITE UNIX OFF
Executing MSHP job. Command=RETRACE PROD
```

VM: Create an Installed Software Report

- Logon with MAINT User-ID
- Command VMFBTMAP ALL
 - z/VM 5.1.0 or later
- Creates a file named VMPFXALL BITMAP on the System Inventory Disk (Default: 51D - File Mode D)
- Download this file to your workstation in binary

IBM ShopzSeries – Order VM RSUs/ESOs

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 12:25

Select the RSUs you would like to order.

Select	Description	RSU level
<input type="checkbox"/>	z/VM Version 5.2.0 Stacked 5201RSU (PTF UM97520)	
	DirMaint	0502
	RACF Feature z/VM	0501
	TCP/IP	0501
	z/VM Version 5.2.0	0501
<input type="checkbox"/>	z/VM Version 5.1.0 Stacked 5104RSU (PTF UM97510)	
	HCD and HCM for VM	0501
	Language Environment	0503
	Performance Toolkit for z/VM	0402
	TCP/IP	0502
	z/VM Version 5.1.0	0502

RSU

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 12:28

Select the products for which you would like to order service.

Select	Description	ID	Version	ESO level
<input type="checkbox"/>	ACF / NCP BASE V7R6M0	5648063G	V7R6M0	0508
<input type="checkbox"/>	ACF / NCP BASE V7R7M0	5648063H	V7R7M0	0508
<input type="checkbox"/>	ACF / NCP BASE V7R8M0	5648063J	V7R8M0	0508
<input type="checkbox"/>	ACF / NCP BASE V7R8M1	5648063L	V7R8M1	0602
<input type="checkbox"/>	ACF / SSP V4R5M0	5654009C	V4R5M0	0106
<input type="checkbox"/>	ACF / SSP V4R6M0	5654009D	V4R6M0	0106
<input type="checkbox"/>	VSE/VSAM FOR VM V6R1M0	5696081A	V6R1M0	0102
<input type="checkbox"/>	VTAM FOR VM/ESA V4R2M0	5654010A	V4R2M0	0602

Include service starting from [Help]

IBM ShopzSeries – Order PSP service

VM

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 12:33

Your order will include service for the products in your installed software report.

VSE

- VSE PSP orders base on your Installed Software Report
- VM PSP orders allow to select the PSP bucket to order

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 12:32

The PSP recommended service "buckets" you would like to order.

Available PSP recommended service by product

Description	ID	Version
z/VM Version 5.2.0 Stacked 5201RSU (PTF UM97520)	SVMCPR20	V5R2M0
<input type="checkbox"/> DIRMS10 0502RSU		
<input type="checkbox"/> RACFVM1100 0501RSU		
<input type="checkbox"/> TCP/IP520 0501RSU		
<input type="checkbox"/> ZVM520 0501RSU		
<input type="checkbox"/> VMESO0501 VMVSAM		
VTAM FOR VM/ESA V4R2M0	5654010A	V4R2M0
<input type="checkbox"/> VMESO0602 ACFVTAM/420		

Include requisite service from 9201 [Help]



IBM ShopzSeries – Order PTFs and RSLs

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 11:08

Enter the PTFs you would like to order separated by blanks or commas. [Help]

CICS Transaction Server for VSE/ESA 1.1.1
 UK07647 UK07656 UK07779 UK08223
 UK08369 UK10000 UK10276 UK10932
 UK10938 UK11037
 DITTO/ESA VERSION 1.3.0
 UK07731 UK08473 UK11283
 EREP 3.5.0
 Include requisite service from past 90 days [Help]

- Copy & paste the PTF-List (including all other text)
- ShopzSeries automatically detects what's a valid PTF number

ShopzSeries > My current order >
Step 3 of 5 Specify order contents
 Service - March 21, 2006, 11:08

The following items were not added because they are invalid: CICS Transaction Server for VSE/ESA 1.1.1 DITTO/ESA VERSION 1.3.0 EREP 3.5.0 ICKDSF 1.17.0 CICS VSE 2.3.0 None ACF VTAM VERSION 4.2.0 VSE Central Functions 7.1.0 VSE SP UNIQUE CODE VSE SP MRI English 81D (total size of PTFs 2.3MB) VSE SP MRI German 81A (total size of PTFs 2.3MB) VSE SP MRI Japanese 81E (total size of PTFs 2.3MB) VSE SP MRI Spanish 81H (total size of PTFs 2.3MB) VSE POWER VSE VSAM None VSE AF VSE AF MSHP None VSE AF IOCP None VSE AF Fastcopy None REXX VSE None OS/400 VSE Connector None IBM LE for VSE/ESA 1.4.4 LE VSE C-1+4 None LE VSE COBOL 1.4.4 None LE VSE PLI 1.4.4 None TCP/IP 1.5.0 FOR VSE/ESA None IBM High Level Assembler 1.5.0

ERROR:

Enter the PTFs you would like to order separated by blanks or commas. [Help]

UD52833 UD52862 UD52864 UD52865
 UD52873 UD52874 UD52878 UD52880
 UD52881 UD52884 UD52888 UD52905
 UD52906 UD52907 UD52908 UD52909
 UD52912 UD52914 UD52920 UD52921
 UD52922 UD52927 UD52928 UD52943
 UD52945 UD52946 UD52947 UD52970
 UD52983 UD52994 UD53001 UD53010
 UD53011 UK07560 UK07547 UK07556
 UK07731 UK07779 UK07897 UK08102

Include requisite service from past 90 days [Help]



IBM ShopzSeries – Download the packages

- You will be notified by e-Mail, when your order is ready
- Download Director
 - small Java Applet
 - resume downloads when connections are lost
 - increases download speed using multiple connections

Download U00245379 - Service -
March 22, 2006, 13:42

Download expires on 21 Apr 2006

Installation instructions

[View now](#)

Readme file for Order# B6516899

[View Now \(0.002 MB\)](#)

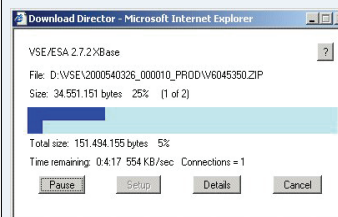
Service Overview for Order# B6516899

[View Now \(0.059 MB\)](#)

VSE PTF Envelope for Order# B6516899

[Download to your workstation using IBM Download Director \(1.6 MB\)](#)

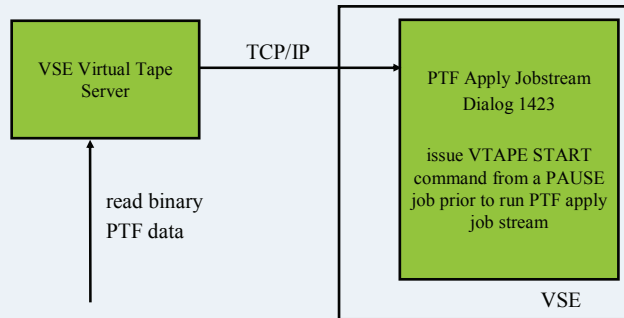
[Download to your workstation using HTTPS \(1.6 MB\)](#)



VSE: Installing downloaded PTFs

- You get ONE binary job stream (fixed 80)
 - Zipped with PKZIP (ShopzSeries)
 - includes all ordered PTFs
- Recommended installation procedure:
 - Unzip the package into a temporary directory on your PC
 - upload it into PTF.FILE (IJSYSPF)
 - <http://www.ibm.com/servers/eserver/zseries/zvse/documentation/edelivery.html#eptf>
 - or use Virtual Tape (PTF tape simulation)
- Not recommended: submit into VSE reader
 - no indirect PTF apply possible
 - PRE- and CO-requirements may not be fulfilled due to wrong order of PTFs
 - POWER JECL included in the data part of the PTFs will be processed while running the job.
 - Missing POWER JECL in the PTF file causes POWER to extract VSE JOB cards

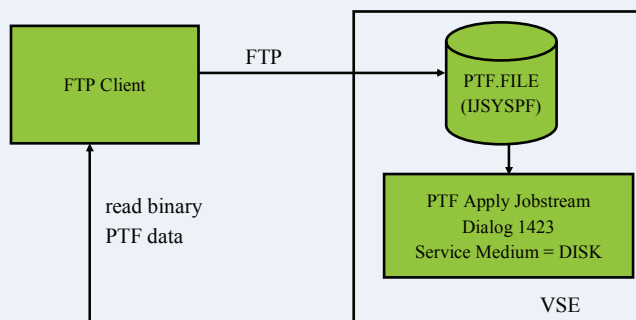
VSE: Apply PTFs via Virtual Tape



- 1.) Rename file eptf6234.bin to eptf6234.ptf
- 2.) issue VTAPE START command from a PAUSE job

```
// VTAPE START,UNIT=<cuu1>,LOC=<ip-address>,  
FILE='C:\eptf6234.ptf',READ
```

VSE: Apply PTFs via PTF.FILE (IJSYSPF)



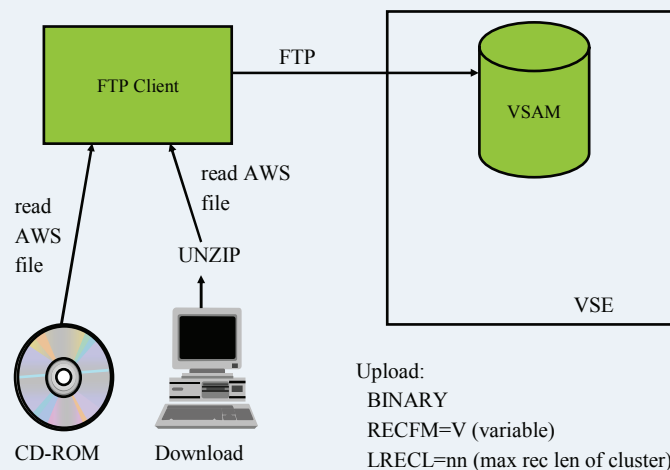
```
DEFINE FILE,TYPE=ESDS,DLBL=IJSYSPF,PUBLIC='IJSYSPF'
```

Upload:
 BINARY
 RECFM=F (fixed) – quote site recfm f
 LRECL=80 – quote size lrecl 80

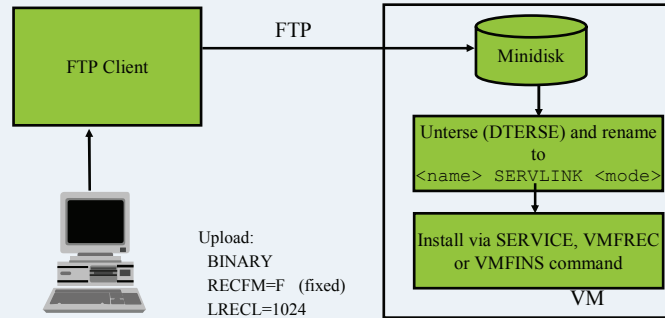
VSE: Performing an Fast Service Upgrade

- **FSU from VSE/ESA 2.5.x/2.6.x to VSE/ESA 2.7.x can only be done using a real tape**
 - except on MP3000, Flex-ES
 - You need to create a real tape from the tape image
 - Use DITTO Tape to Tape Copy
- **FSU from \geq VSE/ESA 2.7.0 to 2.7.x or z/VSE 3.1 or z/VSE 4.1 can be done with VTAPE (VSAM tape image)**
 - upload of tape image into VSAM file needed
- **FSU is done as usual (either from real tape or VTAPE)**
 - FSU Preparation - Dialog 1432
 - FSU Installation - Dialog 1433

VSE: Upload a tape image to VSAM



VM: Install service and products



Upload:
 BINARY
 RECFM=F (fixed)
 LRECL=1024

- See “z/VM Guide for Automated Installation and Service”
- “z/VM Summary for Automated Installation and Service (Tape/CD-ROM Installation)”
 - <http://www.vm.ibm.com/pubs/v51isum.pdf>
- “z/VM Electronic Delivered Service (CORrective or RSU) Installation Instructions”
 - <http://www.vm.ibm.com/install/servinst.html>

IBM ShopzSeries – Product catalog

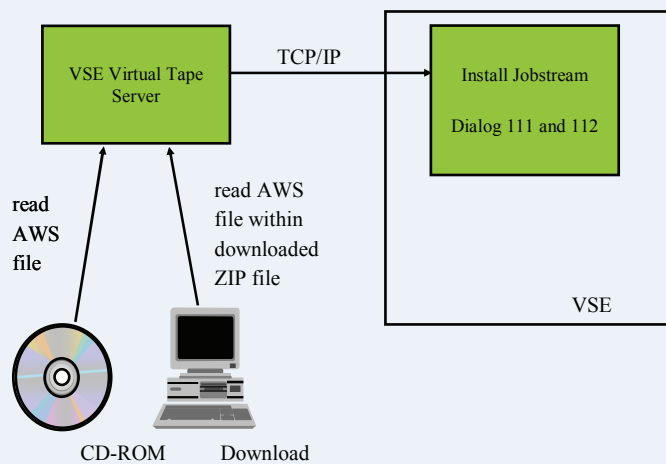
The screenshot shows the IBM ShopzSeries Product catalog interface. The main content area displays a list of products under the heading "Product catalog". The list includes items like "VSE: z/VM Base Products", "VSE: z/VM Central Functions", and "VSE: z/VM High Level Assembler for VSE". Each item has a product ID, name, and price in various currencies.

Product ID	Product Name	Price	Language
15648-0273	VSE Central Functions	7.01.00	German
15648-0271	VSE Central Functions	7.01.00	English (US)
15648-0271	VSE Central Functions	7.01.00	Spanish
15648-0241	High Level Assembler for VSE	1.05.00	English (US)
15648-0561	CIICS Transaction Server	1.01.01	German
15648-0541	CIICS Transaction Server	1.01.01	English (US)
15637-7423	DB2 Server VSE	7.04.00	German
15637-7422	DB2 Server VSE	7.04.00	English (US)
15637-7421	DB2 Server VSE	7.04.00	French
15648-0993	DITTO/ESA FOR VSE rel.3	1.03.00	English (US)
15648-0403	TCP/IP NFS (Key)	1.05.00	English (US)
15648-0401	TCP/IP NFS (Key)	1.05.00	English (US)
15648-0404	TCP/IP Application Pak (Key)	1.05.00	English (US)
15648-0405	ACF/VTAM VSE MultiDomain	4.02.00	English (US)
15648-0403	ACF/VTAM VSE InterEnterprise	4.02.00	English (US)
15648-0401	ACF/VTAM VSE Client/Server	4.02.00	English (US)

VSE: Installing optional products

- **Optional product tapes come in a stacked format**
 - all products ordered are contained in one tape image file (e.g. VSEOPT27.aws)
- **Optional products can be installed via VTAPE using the dialogs 111 and 112**
 - using a remote tape image
 - AWS file (CD-ROM)
 - AWS file within a ZIP file (download)
 - using a VSAM tape image
 - upload of tape image into VSAM file needed

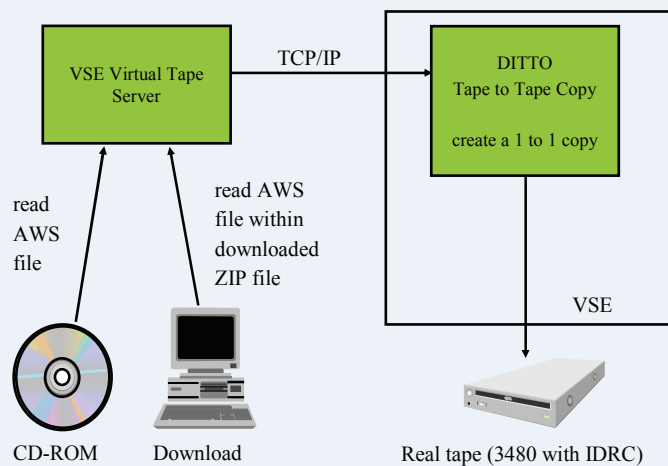
VSE: Installing optional products



VSE: Installing the VSE base system

- **Base installation can NOT be done from VTAPE**
 - except on MP3000, Flex-ES
- **You need to create a real tape from the tape image**
 - Use DITTO Tape to Tape Copy
 - source: VTAPE (remote tape image)
 - destination: real tape
 - Remote Tape image (source) can be
 - AWS file (CD-ROM)
 - AWS file within a ZIP file (download)
- **Base installation from real tape works as usual**
 - refer to VSE Installation manual

VSE: Create a real tape from a tape image



VSE: Create a real tape from a tape image

```
* $$ JOB JNM=COPYTAPE,CLASS=0,DISP=D
// JOB COPYTAPE
// PAUSE PLEASE MOUNT A TAPE ON <cuu2>
// UPSI 1
DVCDN <cuu1>
// PAUSE - DEVICE DOWN OK
// VTAPE START,UNIT=<cuu1>,LOC=<ip-address>,FILE='<tape image file>',READ
DVUCUP <cuu1>
// ASSGN SYS010,<cuu2>,08
* OUTPUT MEDIA, 3480 COMPRESSED
// ASSGN SYS011,<cuu1>
* INPUT MEDIA
// EXEC DITTO
$$DITTO REW OUTPUT=SYS010
$$DITTO REW OUTPUT=SYS011
$$DITTO TT INPUT=SYS011,OUTPUT=SYS010,NFILES=<36>
/*
DVCDN <cuu1>
// VTAPE STOP,UNIT=<cuu1>
DVUCUP <cuu1>
/ &
* $$ EOJ
```

<tape image file>:

CD-ROM: [D:\VSEOPT27.aws](#) (D: ist Ihr CD-ROM drive)

Download: [C:\VSE\6045349.ZIP\VSEOPT27.aws](#)

(! separates ZIP name and name of tape image in the ZIP file)

Priority 1: Stay on a supported level

- **Make sure that your system is always on a supported level**
 - to get help and support from IBM when you need it



Questions ?

