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Enterprise2014

z/VSE Wellness

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Agenda

- **z/VSE Service**
 - Terms and Naming
 - z/VSE HW/SW Support
 - Ordering Products and Service (RSL, PSP, APAR)
 - How to Apply Service

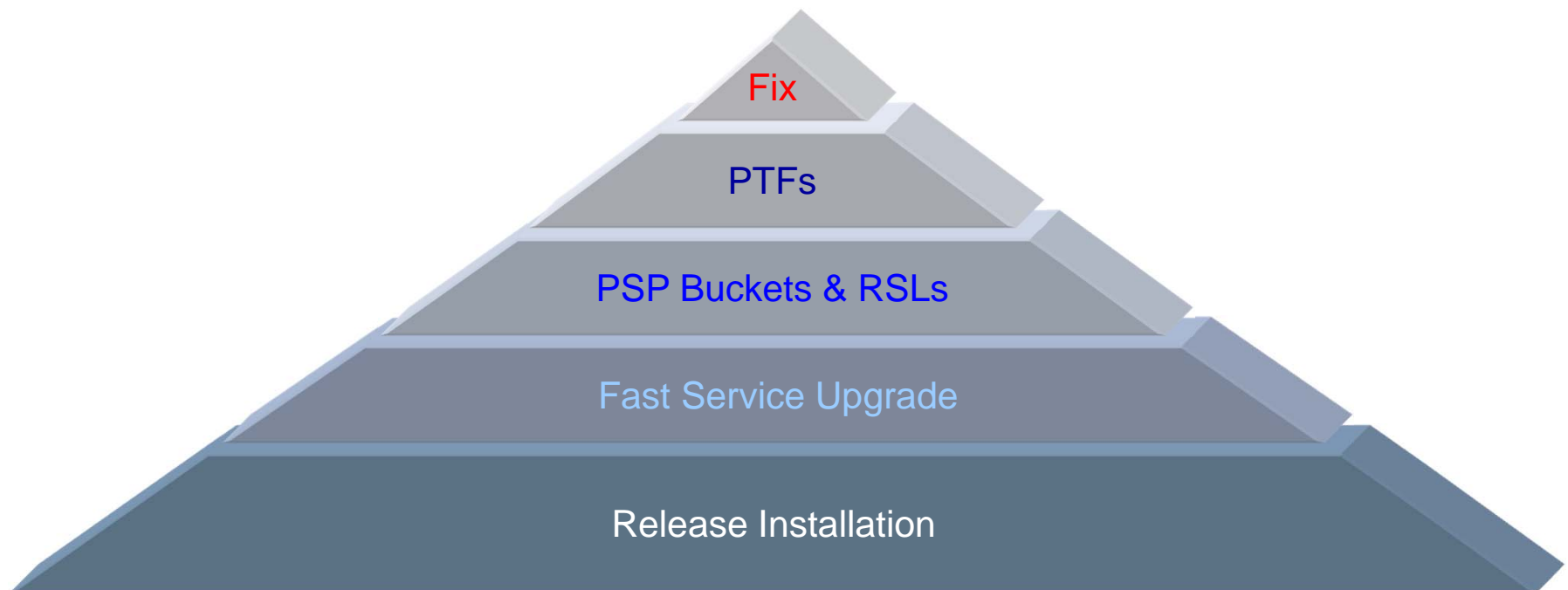
- **Live and in Color**
 - z/VSE Hints & Tips 5.2
 - The Homepage
 - Requirements
 - Healthchecker and VSAM Analyzer
 - Stay connected



System health & Service Recommendation

Preventive Service Strategy

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Some Terms and Definitions

- **Version / Release / Modification Level**

- z/VSE 5.1.2 = Version 5, Release 1, Modification Level 2
- Version and Release start counting at 1
- Modification Level starts counting at 0
 - At GA of a new Version or Release, the Modification Level is zero
 - z/VSE 5.2 GA = z/VSE 5.2.0



- **Refresh or Refresh Level**

- Same as a new Modification Level
 - e.g. z/VSE 5.1.1 is a Refresh of z/VSE 5.1(.0)
- When you order z/VSE you always get the newest Refresh Level
- SPE = Small Programming Enhancement (usually as part of a Refresh)

- **GA Version (GA = Globally Available)**

- The service level at the time the Version or Release becomes available
- Usually no PTFs applied (vanilla system)

- **PTF-1**

- A set of PTFs that are already available at the time of GA
- Fixes problems that have been found between shipment to the distribution centers, and GA
- It is strongly recommended to order and apply those PTFs right after or during migration!



Some Terms and Definitions - continued

- **HIPER = High Impact or Pervasive APAR**

- An APAR that was flagged as especially important
 - Data loss, integrity
 - Device or hardware specific

- **PSP bucket = Preventive Service Planning**

- PSP buckets contain **all HIPER PTFs**
 - For a specific set of products or components
 - On a given z/VSE refresh level
- <http://www14.software.ibm.com/webapp/set2/psearch/search?domain=psp>

- **RSL = Recommended Service Level**

- Fills the gap between z/VSE refresh levels and the HIPER service (PSP buckets)
- An RSL consists of a list of ALL APAR/PTF numbers, not only the HIPER service.
 - which are available at specific cutoff dates
- RSLs are updated more frequently than refreshes
- <http://www-03.ibm.com/systems/z/os/zvse/support/preventive.html#rsl>

- **Installed Software Report Tool (ISR Tool)**

- To be used with Shopz service orders
- Report contains a list of products and PTFs that are already installed on your system
 - MSHP RETRACE PRODUCT and RETRACE PTFS
 - Allows Shopz to ship only those PTFs that are not applied





z/VSE Service Vocabulary

Summary of Service Deliverables

	Temp.Fix	PTF	RSL	PSP	Refresh
Content	Temporary Fix for a code problem (APAR or release out of service) or code modification to ease diagnostics	Official Fix for an officially documented code problem (APAR)	List of ALL PTFs at a cut off day for the named refresh	List of selected PTFs (HIPER)	Complete Product (includes all PTFs)
Available	created on request for a defined service level	Will be created when a fix is available	~ Every 2 Month	Is constantly kept up to date	Every 6-12 Month, usually for the newest release only
To be installed	To fix a certain problem, until a PTF is available or to generate diagnostic data	To fix a certain problem	Preventive to stay on a current level	After a refresh installation and preventive to avoid HIPER problems	For base install or Fast Service Upgrade (FSU)



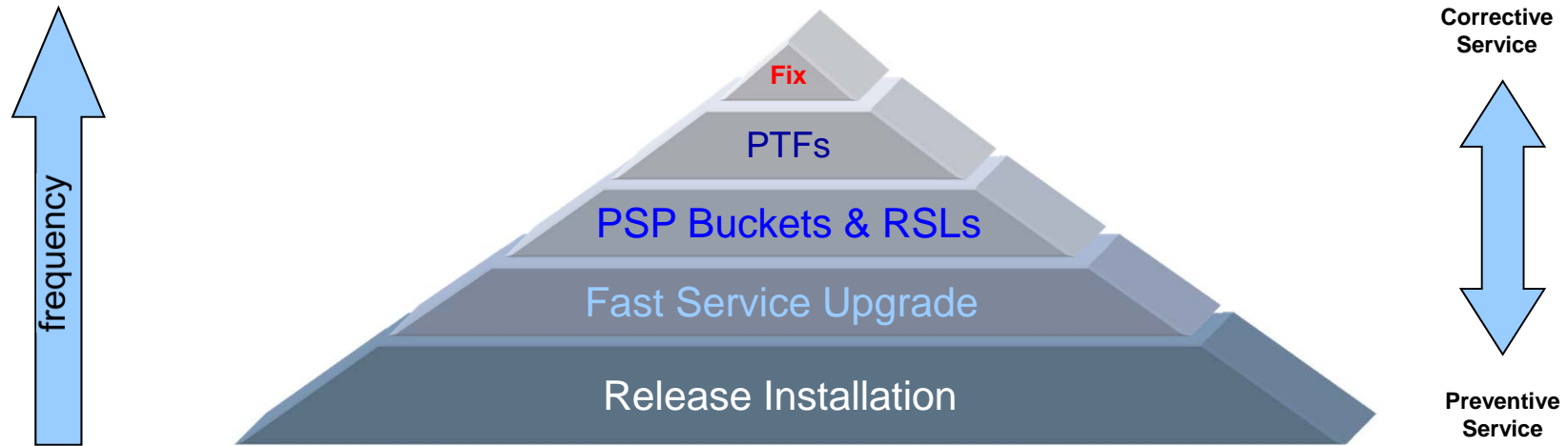
System health & Service Recommendation

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Our recommendations

- Install the latest **Refresh** every 12-24 months
- Install the newest **RSL** every 6-12 months
- Install the newest **PSP** Bucket every 3-6 months
- Install **Fix/PTFs** for vendor software every 3-6 months
- Install the **hardware PSP** before you install new hardware
- And plan sufficient time for service installation !



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z/VSE Support Status (as of September 2014)

VSE Version and Release	Marketed	Supported	End of Support
z/VSE V5.2 requires z9 or newer system	✓	✓	tbd
z/VSE V5.1 requires z9 or newer system	✓	✓	06/30/2016 
z/VSE V4.3 requires z900 or newer system	✓	✓	10/31/2014
z/VSE V4.2 incl CICS/VSE V2.3, DLI V1.1	✗	✗	10/31/2012
z/VSE V4.1 ²⁾	✗	✗	04/30/2011
z/VSE V3.1 ¹⁾	✗	✗	07/31/2009
VSE/ESA V2.7	✗	✗	02/28/2007

Service Extension Contracts
available on request

1) z/VSE V3 is 31-bit mode only. It does not implement z/Architecture, and specifically does not implement 64-bit mode capabilities. z/VSE is designed to exploit select features of IBM System z10, System z9, and zSeries hardware.

2) z/VSE V4 is designed to exploit 64-bit real memory addressing, but will not support 64-bit virtual memory addressing

z/VSE Support for IBM Mainframe Servers (as of April 2014)



IBM Servers	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3	z/VSE V4.2 (out of service)
IBM zEnterprise EC12 & BC12	✓	✓	✓	✗
IBM zEnterprise 196 & 114	✓	✓	✓	✗
IBM System z10 EC & z10 BC	✓	✓	✓	✗
IBM System z9 EC & z9 BC	✓	✓	✓	✗
IBM eServer™ zSeries 990 & 890	✗	✗	✓	✗
IBM eServer zSeries 900 & 800	✗	✗	✓	✗





z/VSE & z/VM Release Status

→z/VSE: <http://www.ibm.com/systems/z/os/zvse/about/status.html#vse>

Supported z/VSE releases				
Version.Release	Date available	Withdrawal from Marketing effective	Withdrawal from Service effective	Minimum z/VM level (1)
→ z/VSE V5.2	04/25/2014 Announcement	TBD	TBD	z/VM V5.4
→ z/VSE V5.1	11/25/2011 Announcement	04/25/2014 Announcement	TBD	z/VM V5.4
→ z/VSE V4.3	11/26/2010 Announcement	06/25/2012 Announcement	10/31/2014 Announcement	z/VM V5.2



Note (1): The minimum z/VM level applies when z/VSE is running as a guest under z/VM. In some cases, the minimum level of z/VM may not be supported. For information on the service status of z/VM, please refer to the [z/VM web site](#).

→z/VM

VM End of Service Effective Dates (mm/dd/yyyy)				
z/VM Product	Release	EOS (mm/dd/yyyy)	GA Date	EOS Announced (mm/yyyy)
z/VM (5741-A07)	V6.3.0	04/30/2017	07/26/2013	07/23/2013
z/VM (5741-A07)	V6.2.0	12/31/2016	12/02/2011	Revised on February 4, 2014 (Prior to this announcement EOS was 04/30/2015)
z/VM (5741-A05)	V5.4.0	12/31/2014, or until the z9 EC and z9 BC are withdrawn from support, whichever is later.	09/12/2008	Revised on August 7, 2012 (prior to this announcement, EOS was 09/30/2013)





z/VSE Server Support

→ <http://www.ibm.com/systems/z/os/zvse/about/status.html#server>

z/VSE server support

IBM System z, zSeries and S/390 Server	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3
IBM zEnterprise BC12 (1)	Yes	Yes	Yes
IBM zEnterprise EC12 (1)	Yes	Yes	Yes
IBM zEnterprise 114	Yes	Yes	Yes
IBM zEnterprise 196	Yes	Yes	Yes
IBM zEnterprise BladeCenter Extension (zBX) - IEDN Support	Yes (2,3)	Yes (2,3)	Yes (3)
IBM System z10 BC	Yes	Yes	Yes
IBM System z10 EC	Yes	Yes	Yes
IBM System z9 EC (formerly z9-109)	Yes	Yes	Yes
IBM System z9 BC	Yes	Yes	Yes
zSeries 990, 890	No	No	Yes
zSeries 900, 800	No	No	Yes
S/390 Parallel Enterprise Server G5/G6	No	No	No
S/390 Multiprise 3000	No	No	No

Note (1): The zEC12 and zBC12 allow to configure OSA-Express4S and later with **OSA/SF** in HMC.

Note (2): z/VSE V5.1 and V5.2 can participate in an IEDN through OSA-Express for zBX devices (LPAR or z/VM guests).

Note (3): V4.3, V5.1 and V5.2 can transparently participate in an IEDN through a z/VM VSWITCH. This requires z/VM V6.1 or later.

Note: Before migrating your z/VSE system to a newer server, please order the corresponding [PSP bucket](#).

Note: Server names shown in red are no longer supported by IBM, or a end of support date has been announced.

For older and unsupported release, please see here:
<http://www.ibm.com/systems/z/os/zvse/about/statusold.html#server>





z/VSE Storage Support

→ <http://www.ibm.com/systems/z/os/zvse/about/status.html#storage>

z/VSE storage support

IBM Disk Storage Systems	Attachment	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3
IBM TotalStorage Enterprise Storage Server model 750, 800 and 800 Turbo	ECKD	Yes	Yes	Yes
	SCSI (FCP)	Yes	Yes	Yes
IBM System Storage DS6000 series	ECKD (1)	Yes	Yes	Yes
	SCSI (FCP)	Yes	Yes	Yes
IBM System Storage DS8000 series (2,3)	ECKD	Yes	Yes	Yes
	SCSI (FCP)	Yes	Yes	Yes
IBM System Storage SAN Volume Controller (SVC), IBM Storwize V7000, IBM Storwize V5000	SCSI (FCP)	Yes	Yes	Yes
IBM XIV Storage System	SCSI (FCP)	Yes	Yes	Yes
Parallel Access Volume Feature (PAV)	ECKD	Yes	Yes	Yes

Note (1): IBM System Storage DS6000 does not offer ESCON connectivity.

Note (2): Full Disk Encryption is supported by z/VSE 4.1 and later.

Note (3): SSD (Solid State Disk) is supported by z/VSE 4.1 and later. For performance considerations refer to the [IBM System Storage](#) home page.

z/VSE support for adapters and crypto

Adapter	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3
OSA-Express, OSA-Express2, OSA-Express3, OSA-Express4S (1), OSA-Express5S (1)	Yes	Yes	Yes
FICON Express, FICON Express2, FICON Express4, FICON Express8, FICON Express8s	Yes	Yes	Yes
Crypto Express2, Crypto Express3	Yes	Yes	Yes
Crypto Express4S	Yes	Yes	No
PCICA, PCIXCC	Yes	Yes	Yes
CP Assist for Cryptographic Function (CPACF)	Yes	Yes	Yes

Note (1): The zEC12 and zBC12 allow to configure OSA-Express4S and later with OSA/SF in HMC.

Note: z/VSE supports selected functions or modes. For details please refer to the [z/VSE Planning](#) manual or to the related [announcement letters](#). Additional PTFs might be required.

IBM Tape Storage Systems

IBM Tape Storage Systems	Controllers	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3
TS1140 (3592 Model E07) Encryption capable	C07, C06	Yes	Yes (4)	No
TS1130 (3592 Model E06) Encryption capable	C07, C06	Yes	Yes	Yes
TS1120 (3592 Model E05) Encryption capable	C07, C06, J70	Yes	Yes	Yes
3592 Model J1A	C06, J70	Yes	Yes	Yes
TS3400 Tape Library (Autoloader) containing up to two TS1120 tape drives	C06	Yes	Yes	Yes
3590 Model H, E and B	A50, A60	Yes	Yes	Yes
3490E	A10, A20	Yes	Yes	Yes
3490	A01, A02	Yes	Yes	Yes
3480	A22	Yes	Yes	Yes

Note (4): Additional PTFs are required.

IBM Tape Library Systems

IBM Tape Library Systems	Controllers	z/VSE V5.2	z/VSE V5.1	z/VSE V4.3
TS7680 ProtecTIER Deduplication Gateway	C06, tape drives: virtual 3592 J1A	Yes	Yes	Yes
TS7700 Virtualization Engine (5)	See info for tape drives.	Yes	Yes	Yes
Copy Export Function		Yes	Yes	No
Multi-Cluster Grid Support		Yes	Yes	No
3494 Virtual Tape Server (VTS)	See info for tape drives.	Yes	Yes	Yes
TS3500/3584 UltraScalable Tape Library	J70, C06	Yes	Yes	Yes
3494 TotalStorage Tape Library	J70, C06, A60	Yes	Yes	Yes

Note (5): When using the TS7700 tape library with z/VM's VGS (VSE Guest Support) you need to install z/VM APAR [VM64657](#)/PTF UM32727 (DFSMS/VM).

Note: For more information about supported devices please see the [z/VSE Planning](#) manual.



Hardware Upgrades & Migrations

- **Order related PSP (Preventive Service Package) before migrating to the new hardware**
 - <http://www.ibm.com/systems/z/os/zvse/support/preventive.html#psp>
 - e.g. search for “2827DEVICE” (2827 = zEC12):

1.	Upgrade 2827DEVICE, Subset 2827/ZOS DEVICE 2827	2013-03-13
2.	Upgrade 2827DEVICE Upgrade 2827DEVICE	2013-03-13
3.	Upgrade 2827DEVICE, Subset 2827/ZVM DEVICE 2827	2013-03-07
4.	Upgrade 2827DEVICE, Subset 2827/ZVSE DEVICE 2827	2012-12-07

	DATE	APAR	PTF	VOLID	COMMENTS
6	12/10/26	PM70045	UK82199	1000	OSA/SF VSE IOAC139E AT OSA/SF ST
5	12/10/26	PM73907	UK82285	1000	OSA/SF VSE IOAC139E AT OSA/SF ST
4	12/09/10	PM66334	UK81559	1000	NEW FUNCTION - 42325
3	12/09/07	PM49761	UK81532	1000	NEW FUNCTION 45033
2	12/08/31	DY47406	UD53875	1000	NEW FUNCTION
1	12/08/31	DY47404	UD53871	1000	NEW FUNCTION

- **Concurrent microcode upgrade for IBM System Storage**
 - z/VSE with the latest service level supports concurrent microcode upgrade for IBM tape and ECKD storage
 - z/VSE does not support concurrent microcode upgrade for Fibre-Channel-attached SCSI disks
 - Please consult your device documentation for details
- **Recommendation for IBM tape storage:**
 - z/VSE recommends to take the tape units offline (z/VSE OFFLINE command) prior to the microcode upgrade or use the next maintenance window
 - Once the upgrade completed, take the tape units online again (z/VSE ONLINE command)
 - Please check with your software vendors (e.g. tape management systems), if they support concurrent microcode upgrade



Information about APARs and PTFs

→ <http://www.ibm.com/systems/z/os/zvse/support/corrective.html>



Service and support

Introduction Preventive service **Corrective service**

z/VSE V5.1 z/VSE V4.3 Unsupported releases

- General
- **Advanced functions (AF)**
- VSAM
- POWER
- Interactive interface & ICCF
- Language Environment (LE)
- z/VSE Connectors
- CICS Transaction Server
- TCP/IP for VSE/ESA
- IPv6/VSE
- DL/I
- REXX
- z/VSE VTAPE

Latest VSE/AF 9.1 APARs for z/VSE V5.1

Last update: Feb 24, 2014

APAR Date	PTF	Contents
DY47516 2014/02/18	UD54005-51S	Security fixes for OpenSSL
DY47501 2014/02/10	UD54002-51C UD54003-51G UD54004-51J	Prevents AR hang with PAV active. PAV enhancements.
DY47512 2014/01/28	UD53997-51C	MSG0S39I Reason=0049 for a TCP/IP hipersockets link

<http://www14.software.ibm.com/webapp/set2/psearch/search?domain=sysz>

Technical help database

for System z

Search

Search for:

Sort by: Hits per doc type:

→ [Search tips](#)

→ [Start a new search](#)

Document types

- All
- APARs
- FAQs
- Product information
- Education
- Technotes
- Flashes
- Preventive service planning
- Redbook abstracts
- Solutions
- White papers



Recommended Service Levels and PSP

PSP Buckets

- <http://www.ibm.com/systems/z/os/zvse/support/preventive.html#psp>
- e.g. search for “ZVSE510” or “ZVSE431”



	Modified	DATE	SUBSET ALTERED	COMMENTS
1-10 of 41 results Next →				
1. Upgrade ZVSE510. Subset IBMLANG/51K LE/VSE BASE Version 1, Release 4, Modification 8	2013-02-22	34 13/02/22	IBMLANG/51K	SECTION 4, ADDED ITEM 9 PM81989 UK91611
2. Upgrade ZVSE510 VERSION 5, RELEASE 1, MODIFICATION LEVEL 0 of z/VSE	2013-02-22	33 13/02/21	ZVSE/51C	SECTION 4, ADDED ITEM 24 DY47454 UD53929
3. Upgrade ZVSE510. Subset ZVSE/51C VSE Central Functions Version 9, Release 1, Modification 0	2013-02-21	32 13/02/08	ZVSE/51C	SECTION 4, ADDED ITEM 25 DY47454 UD53928
		31 12/12/21	ZVSE/51C	SECTION 4, ADDED ITEM 21 DY47447 UD53922
		30 12/12/11	ZVSE/51C	SECTION 4, ADDED ITEM 22 DY47446 UD53921
		29 12/11/30	IBMLANG/51K	SECTION 4, ADDED ITEM 20 DY47391 UD53846
			IBMLANG/51K	SECTION 4, ADDED ITEM 6 PM74318 UK82386
			IBMLANG/51K	SECTION 4, ADDED ITEM 7 PM73473 UK82153
			IBMLANG/51K	SECTION 4, ADDED ITEM 8 PM73461 UK82432

Recommended Service Levels (RSLs)

- <http://www.ibm.com/systems/z/os/zvse/support/preventive.html#rs1>

Service recommended for	PTF Order List	Cutoff Date
z/VSE 5.1.2	Base Products → PTFs 512B Optional Prod. → PTFs 512O	Jan 31, 2014
z/VSE 5.1.1	Base Products → PTFs 511B Optional Prod. → PTFs 511O	April 9, 2013
z/VSE 5.1.0	Base Products → PTFs 510B Optional Prod. → PTFs 510O	Apr 26, 2012

Recommended service levels

PTF numbers 01/31/14

z/VSE base Products - 512

DITTO/ESA VERSION 1.3.0

UK94927

EREP 3.5.0

UD53961

ICKDSF 1.17.0

UI12894 UK94832

- Copy & Paste the entire PTF order list into ShopZ
 - Don't worry about the text around, ShopZ will filter out anything that's not a PTF number



IBM Subscription Services

→ Get notified when APARs are closed

<https://www-947.ibm.com/systems/support/myview/subscription/css.wss/folders?methodName=listMyFolders>

My notifications

for IBM technical support

My subscriptions
Subscribe
My defaults
Help

You are subscribing to the following

Systems

- System z
- z/VSE family
- PureFlex
- BladeCent
- Power
- System i
- System p
- System x
- System z
- System B
- IntelliStat
- IBM Monit
- IBM Syste
- Older Sys (Netfinity,
- Other hard

Fields marked with an asterisk (*) are required.

Options

Subscription name:*

Notify me by

Email

Daily email Weekly email

Plain text email Html email

Save in existing or new folder:

Existing folder name:*

New folder name:*

Delivery to this folder

Delivery via syndication feed (RSS,Atom)

[What is this?](#)

Point-of-sale

Smarter Cities	- IBM i 7.1
Virtualization software	- IBM i 6.1
	- IBM i 5.4



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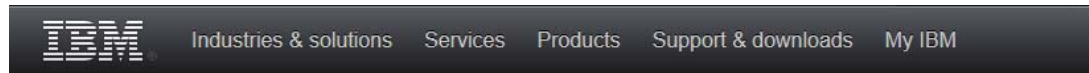
Shopz



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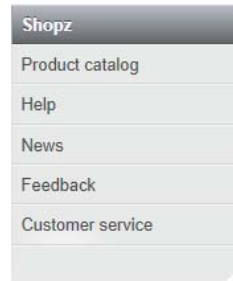


Shopz is the online solution for ordering and delivery of System z software.



IBM Shopz:

<http://www.ibm.com/software/shopzseries>



Shopz > Shopz sign in >

Shopz sign in

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- You must sign into this application, even if you have already signed into IBM.com on the masthead.
- If this is your first time using Shopz, [register](#) your IBM Id to request access.

User ID

Password

Sign in

Features and benefits:

- Easy, fast planning and ordering of System z software product, system and service upgrades
- Online catalog, shopping cart, order tracking and reporting functions
- Support for **z/VSE**, z/OS and z/VM operating environments
- Entitled and priced transactions
- Roles Authorization Management
- Internet delivery for product and service orders



Ordering PTFs using IBM Shopz

<http://www.ibm.com/software/shopzseries>

The screenshot illustrates the final steps of ordering PTFs on the IBM Shopz website. It shows a multi-step process with 'Step 5 of 5 Review and submit' highlighted. A 'Download Director' window is open, showing the download of a ZIP file named 'VSE PTF Envelope for Order# B1715902'. A callout bubble points to the file name, stating: 'ZIP file contains Shipptfs.bin (BINARY, LRECL 80 MSHP PTF data)'. Below the download window, the 'Order contents' section is visible, listing the PTFs 'UK76430 UK78943' and the option 'Include requisites Yes'.

My orders

Step 1 of 5

Step 2 of 5

Step 3 of 5

Step 4 of 5

Step 5 of 5 Review and submit

Download U01211917 - My Test Order

Download Director - Windows Internet Explorer

VSE PTF Envelope for Order# B1715902

File: D:\Temp\A1590216.ZIP

Size: 1,020,235 bytes 100%

Download complete 1019 KB/sec

Pause Setup Details Cancel

Order contents

PTFs	UK76430 UK78943
Include requisites	Yes



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 - **How to Apply Service**

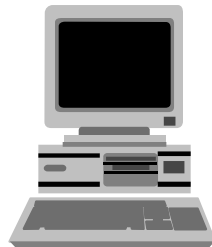
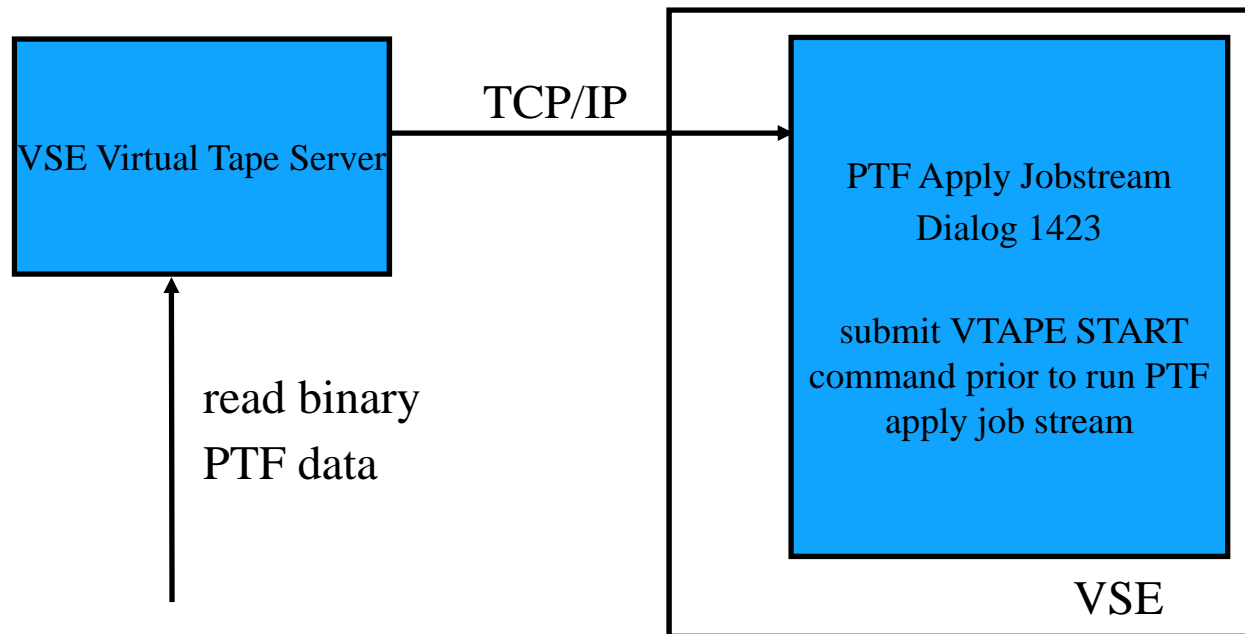
- **Live and in Color**
 - z/VSE Hints & Tips 5.2
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Ordering & installing service

z/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
```




Ordering & installing service

z/VSE: Apply PTFs via Virtual Tape

- Change file extension, e.g. eptf6234.bin → eptf6234.ptf
- Apply service using IUI dialog, Fastpath **1423**. Service Medium is Tape
 - VIRTUAL TAPE = 1 (yes) → prompts for parameters for VTAPE on add. panel

```

SRV$PH19          APPLY PTF

Enter the required data and press ENTER.

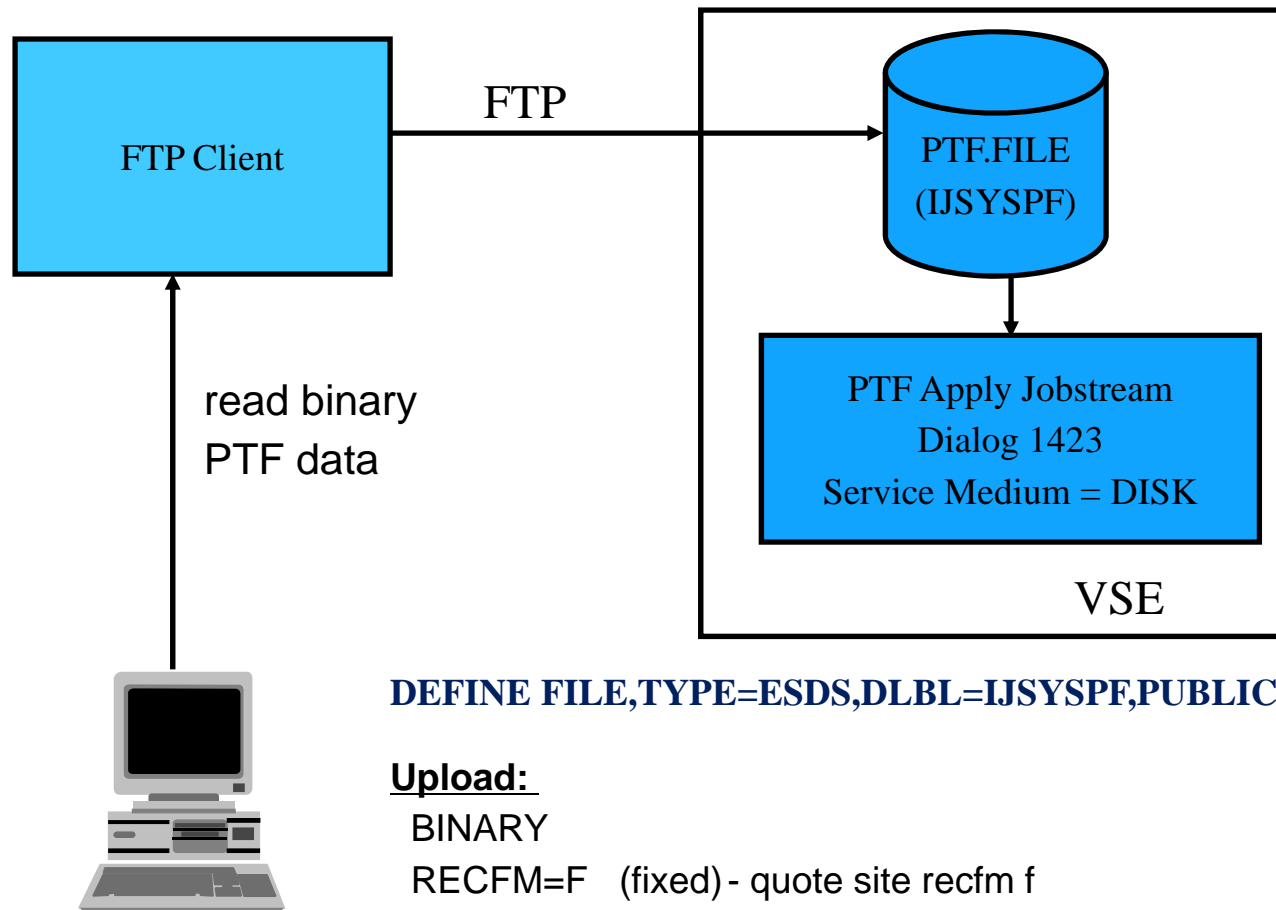
SERVICE MEDIUM..... 1          Is the service file on tape?
                                (Enter 2 if on disk)
VIRTUAL TAPE..... 1          Enter 1 if service tape is a
                                remote virtual tape.
TAPE UNIT ADDRESS..... CUU          UTL$VTA2          VIRTUAL TAPE: SPECIFY THE DATA SET
TAPE QUANTITY..... 1
TYPE..... 1          Enter the required data and press ENTER.

Enter 2 for NO and 1 for YES
BACKUP..... 1          Service application from remote virtual tape.
FORCE INDIRECT..... 2          Specify the following residence values of the service tape:
ADD INFO TO THE LIST..... 1          IPADDR..... 9          152          214          38          IP address of the remote system
HOST NAME :          _____
...          _____
PORT.....          _____          TCP/IP port number
DATA SET NAME :          C:\EPTF6234_PTF
...          _____
...          _____
...          _____
PF1=HELP          2=REDISPLAY  3=END
  
```




Ordering & installing service

z/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



Ordering & installing service

z/VSE: Apply PTFs via PTF.FILE (IJSYSPF)

- The file needs to be defined in TCP/IP
 - DEFINE FILE,TYPE=ESDS,DLBL=IJSYSPF,PUBLIC='IJSYSPF'
- Transfer the PTF file directly to disk into the VSAM file IJSYSPF.
 - ftp> quote site unix off
 - ftp> bin
 - ftp> quote site lrecl 80
 - ftp> quote site recfm f
 - ftp> put ptffile.bin IJSYSPF or put ptffile.bin PTF.FILE
- Apply service using UI dialog, service medium is disk. Fastpath 1423

```

SRV$PH19                                APPLY PTF
Enter the required data and press ENTER.
SERVICE MEDIUM..... 2                 Is the service file on tape?
                                         (Enter 2 if on disk)
VIRTUAL TAPE..... 2                     Enter 1 if service tape is a
                                         remote virtual tape.
TAPE UNIT ADDRESS..... _____      For list of valid addresses see HELP.
TAPE QUANTITY..... 1                    Enter the number of service tapes
TYPE..... 1                              Enter the type of mass-application
                                         1=ALL 2=INCLUDE 3=EXCLUDE
Enter 2 for NO and 1 for YES
BACKUP..... 1                            Do you want to backup all affected
                                         libraries?
FORCE INDIRECT..... 2                    Do you want to apply all PTFs indi-
                                         rectly?
ADD INFO TO THE LIST..... 1              Do you want to add this info to the
                                         list of your processed service units?
                                         For tapes only one tape is possible.
PF1=HELP      2=REDISPLAY  3=END
  
```



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Hints & Tips for z/VSE 5.2



Hints and Tips for z/VSE 5.2

XX00-0000-00



IBM Redbooks:

<http://www.ibm.com/zvse/documentation/index.html#hints>



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For more information, please see the z/VSE web site:

<http://www.ibm.com/zvse/>




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z/VSE

z/VSE is built on a heritage of ongoing refinement and innovation that spans more than four decades. It brings the value of innovative IBM System z and IBM System Storage technology to z/VSE clients.

IBM z/VSE V5.2 is available



IBM z/VSE V5.2 is available

z/VSE V5.2 is the newest release of z/VSE and is intended to be the base for future z/VSE enhancements. This ongoing evolution of z/VSE, together with z/VSE's support of the newest IBM zEnterprise servers and IBM System Storage technology, is designed to help clients protect their investments in z/VSE, grow their workloads, or consolidate their systems. It demonstrates again IBM's commitment to z/VSE clients.

For more information, please see the [announcement letter](#).

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RFE (Request for Enhancement)



→ Request for Enhancement (RFE) tool

For z/VSE requirements please select the following:

Brand = *Servers and System Software*

Product family = *zSeries Software*

Product = *z/VSE*

Component = *You may choose the component*

Operating system = *IBM z/VSE*

For CICS Transaction Server requirements please select the following:

Brand = *WebSphere*

Product family = *Transaction Processing*

Product = *CICS Transaction Server*

Component = *Runtime or Explorer*

Operating system = *IBM z/VSE*



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VSE Health Checker (updated June 2014)

VSE Health Checker - Data loaded from: VSESSL_2012_12_10_13.18.25.xml - Timestamp: 10.12.2012 13:17:36

File Selected Configuration Help

VSE Health Checker

- VSESSL
 - CICS
 - F2
 - General
 - Storage Layout
 - LE-Options
 - LSR Pools
 - TS Queues
 - System
 - General
 - IPL
 - Turbo Dispatcher
 - Priority Settings
 - Security
 - Inconsistencies
 - BSM Status
 - Storage
 - VTAM
 - General
 - POWER
 - Status
 - TCPIP

■ Status Extents Internal

General		Partition Storage	
Service Level	DRIVER11	Total Partition Storage	5120 KB
Present Session Start	PA	Partition Storage Above	0 KB
Spool Limit Percentage	90 %	Fixable Storage Allocated	200 KB
Start Phase		Max. Fixed Storage in Present Session	144 KB
PNET Nodename	-----	Currently Fixed Storage	140 KB
Shared Spooling SYSID	-, MRTKN = 000011E6	Virtual Storage Occupied By Phases	632 KB
		Unused Storage Remaining Below Size Boundary	568 KB
Account File		Data File	
Account File Name	IJAFILE	Data File Name	IJDFILE
Total Tracks	90	Total Tracks	8220
Account File Percent Full	70 %	DBLK Size	7548 Bytes
Queue File		Data File	
Queue File Name	IJQFILE	Total DBLK Groups	7192
Total Tracks	15	Max no. of DBLK groups used since last coldstart	6966
Total Queue Records	1886	Used DBLK Groups	798
Max no. of q-recs used since last coldstart	252	Free DBLK Groups (incl. 20 for cushion)	6394
Used Records	135	Lost DBLK Groups	0
Free Records (incl. 10 for cushion)	1751	Data File Percent Full	11 %
Lost Records	0		
Queue File Percent Full	7 %		

When the VSE/POWER account file is more than 80% full, it should be printed or deleted

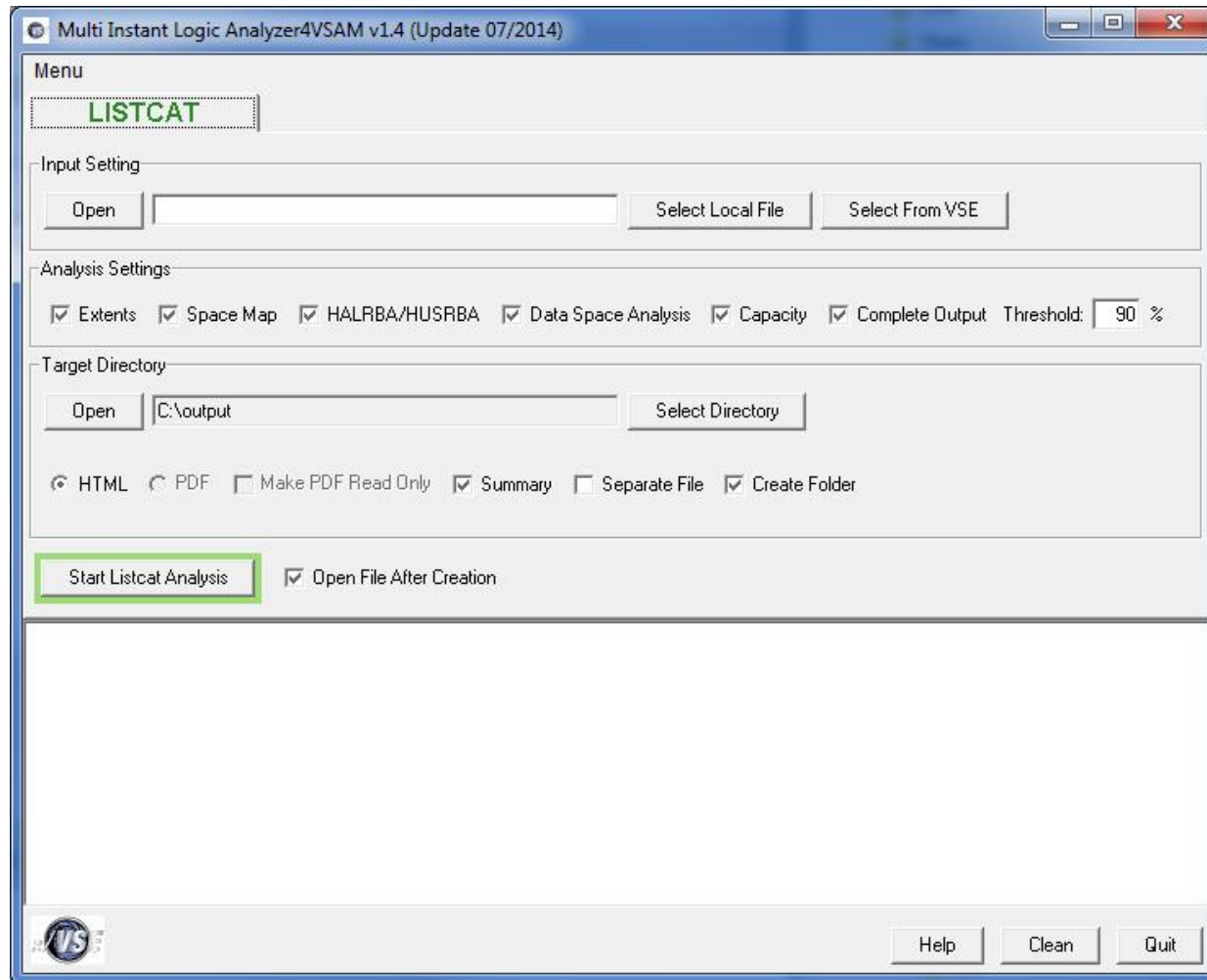
VSESSL

Update from Jun 2014 (z/VSE 5.2)

- Support for zEnterprise BC12
- Support for signon via LDAP (requires z/VSE 5.1 or later).
- Support for 64-bit memory objects and 64-bit I/O (requires z/VSE 5.1 or later).
- New textfield for VSAM catalog containing the DMF related file(s) on VSE Host Properties box.
- The DMF catalog and file ID are now shown on the BSTADMIN Status page.
- Store config file to users home directory because of problems accessing the 'Program Files' folder on Windows 7.
- Removed download button for BSM XREF tool because the tool is part of VSE since z/VSE 4.3.



MILA4VSAM v1.4 (updated July 2014)



<http://www.ibm.com/zvse/downloads/tools.html#vat>



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- **@IBMzVSE** Twitter presence:
 - Post with updates on z/VSE, Linux on System z, zEnterprise, System z software, events, press releases, customer testimonials, videos, white papers, analyst papers, etc.
 - **Share live updates from System z events** (SHARE, zTech, etc.) and **re-tweet** posts regarding System z from others
 - **Common hashtags:** #zVSE, #mainframe, #mainframe50, #zEnterprise, #Systemz
- URL: <https://twitter.com/IBMzVSE>





z/VSE Live Virtual Classes (Webcasts)

- **September 2014**
 - z/VSE Connectors Update
- **July 2014**
 - Introduction to tuning VSAM file performance under CICS TS in z/VSE
- **June 2014**
 - Tapeless Initial Installation
- **May 2014**
 - z/VSE Version 5 Update
- **March 2014**
 - TCP/IP for VSE Update
- **January 2014**
 - Update on Encryption and SSL
- **November 2013**
 - Exploit new z/VSE solutions with zBC12 in a virtualized environment
- **October 2013**
 - Language Environment for z/VSE- News, Tips and Enhancements
- **September 2013**
 - z/VSE CMT and SCRT Update
- **June 2013**
 - z/VSE Security Overview and Update
 - How to avoid or handle CICS storage availability problems

Replays available!

Dates and replays @

<http://www.ibm.com/zvse/education/>



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