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Enterprise2014

z/VSE Wellness

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9.0

Trademarks

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
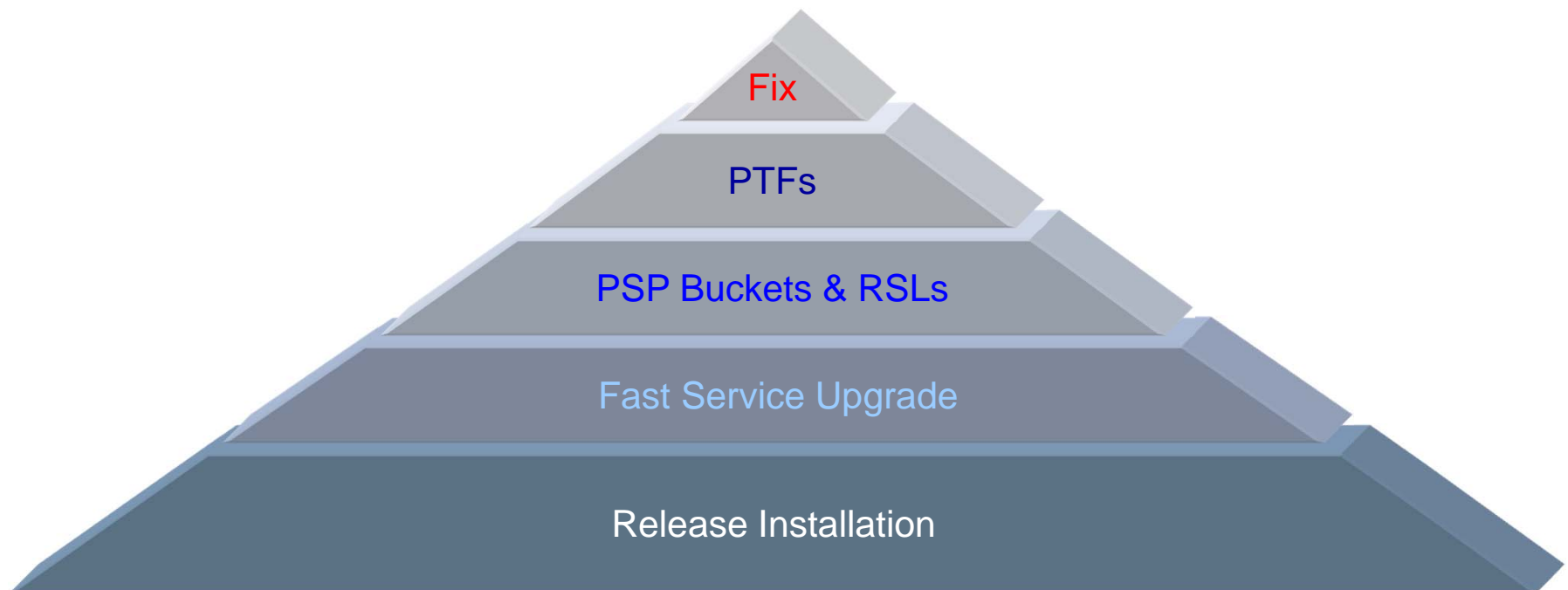
Some Terms and Definitions

- ## 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
Preventive Service Strategy

Corrective Service

frequency

Fix

PTFs

PSP Buckets & RSLs

Fast Service Upgrade

Release Installation

Preventive Service
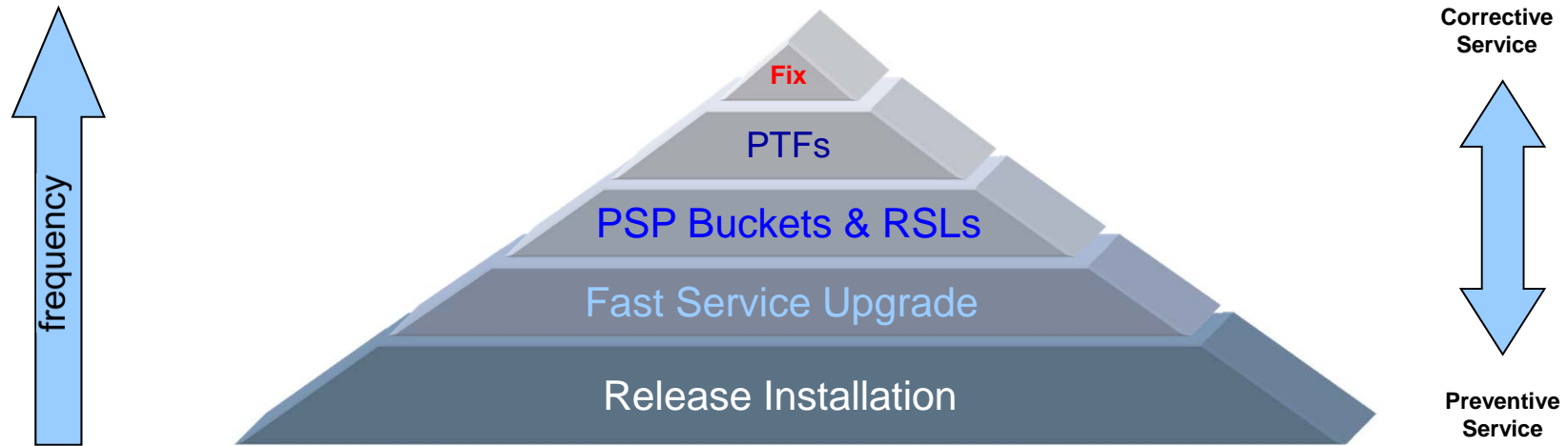
Our recommendations

- 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)

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IBM

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 NEW
z/VSE V4.3 requires z900 or newer system	✖	✔	10/31/2014
z/VSE V4.2 incl CICS/VSE V2.3, DL/I 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	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	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) <u>before</u> 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   → CICS Transaction Server
→ Advanced functions (AF)   → TCP/IP for VSE/ESA
→ VSAM   → IPv6/VSE
→ POWER   → DL/I
→ Interactive interface & ICCF   → REXX
→ Language Environment (LE)   → z/VSE VTAPE
→ z/VSE Connectors

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: [Newest first ▼]   Hits per doc type: [10]

→ Search tips   → Start a new search

Document types   [- | □]

☑ All

☑ APARs   ☑ Flashes
☑ FAQs   ☑ Preventive service planning
☑ Product information   ☑ Redbook abstracts
☑ Education   ☑ Solutions
☑ Technotes   ☑ 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"

1-10 of **41** results | Next →		**Modified**
1.	Upgrade ZVSE510, Subset IBMLANG/51K LE/VSE BASE Version 1, Release 4, Modification 8	2013-02-22
2.	Upgrade ZVSE510 VERSION 5, RELEASE 1, MODIFICATION LEVEL 0 of z/VSE	2013-02-22
3.	Upgrade ZVSE510, Subset ZVSE/51C VSE Central Functions Version 9, Release 1, Modification 0	2013-02-21

	DATE	SUBSET ALTERED	COMMENTS		
34	13/02/22	IBMLANG/51K	SECTION 4, ADDED ITEM 9	PM81989	UK91611
33	13/02/21	ZVSE/51C	SECTION 4, ADDED ITEM 24	DY47454	UD53929
		ZVSE/51C	SECTION 4, ADDED ITEM 25	DY47454	UD53928
32	13/02/08	ZVSE/51C	SECTION 4, ADDED ITEM 23	DY47452	UD53927
31	12/12/21	ZVSE/51C	SECTION 4, ADDED ITEM 21	DY47447	UD53922
		ZVSE/51C	SECTION 4, ADDED ITEM 22	DY47446	UD53921
30	12/12/11	ZVSE/51C	SECTION 4, ADDED ITEM 20	DY47391	UD53846
29	12/11/30	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#rsl

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

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

17

IBM Subscription Services

→ Get notified when APARs are closed

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

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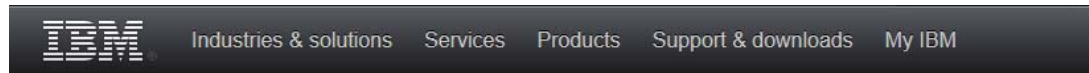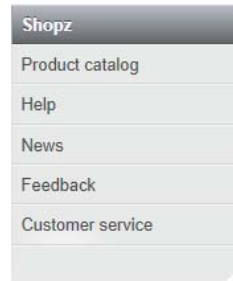 - Healthchecker and VSAM Analyzer
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Shopz

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

IBM Shopz:
http://www.ibm.com/software/shopzseries

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

My orders

Step 1 o

Step 5 of 5 Review and submit

My orders

Download U01211917 - My Test Order

ZIP file contains
Shipptfs.bin
(BINARY, LRECL 80
MSHP PTF data)

Download Director - Windows Int

IBM https://steamboat.boulder.ibm.com/d

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 |

Done   Internet   100%

Order contents

PTFs   UK76430 UK78943

Include requisites Yes

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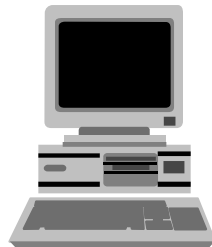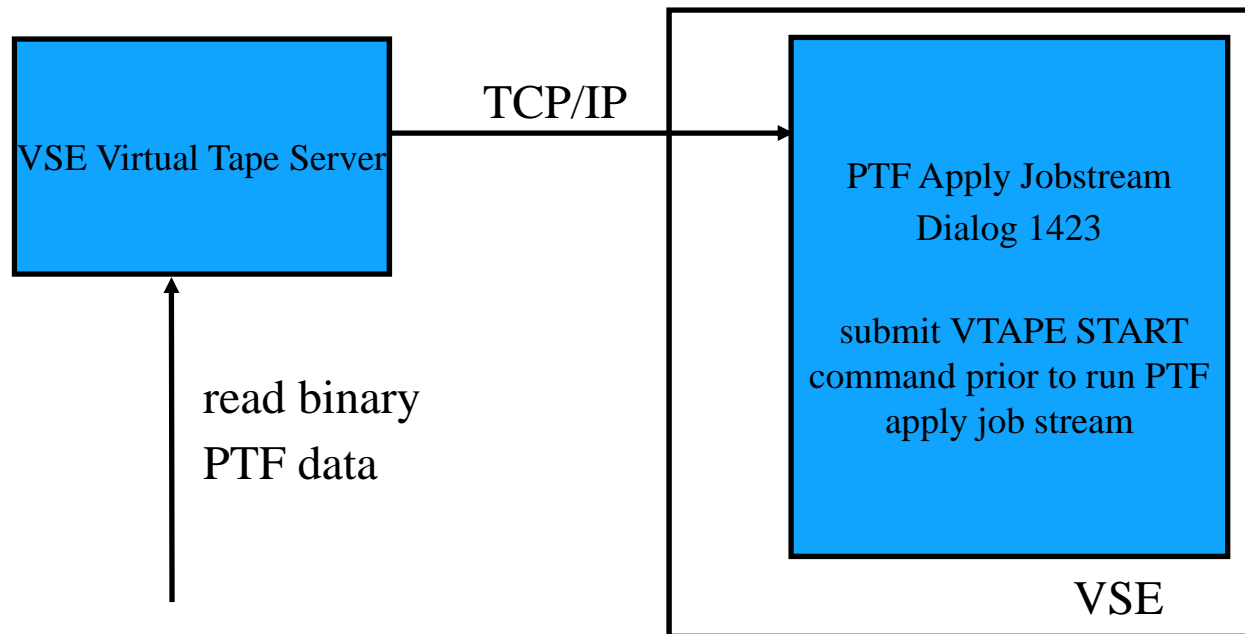 - How to Apply Service

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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 :          _____

  PF1=HELP      2=REDISPLAY  3=END   ...                  _____

                                     PORT.......   _____                   TCP/IP port number

                                     DATA SET NAME :  C:\EPTF6234_PTF
                                     ...                  _____
                                     ...                  _____
                                     ...                  _____
                                     ...                  _____
                                     PF1=HELP      2=REDISPLAY  3=END
```
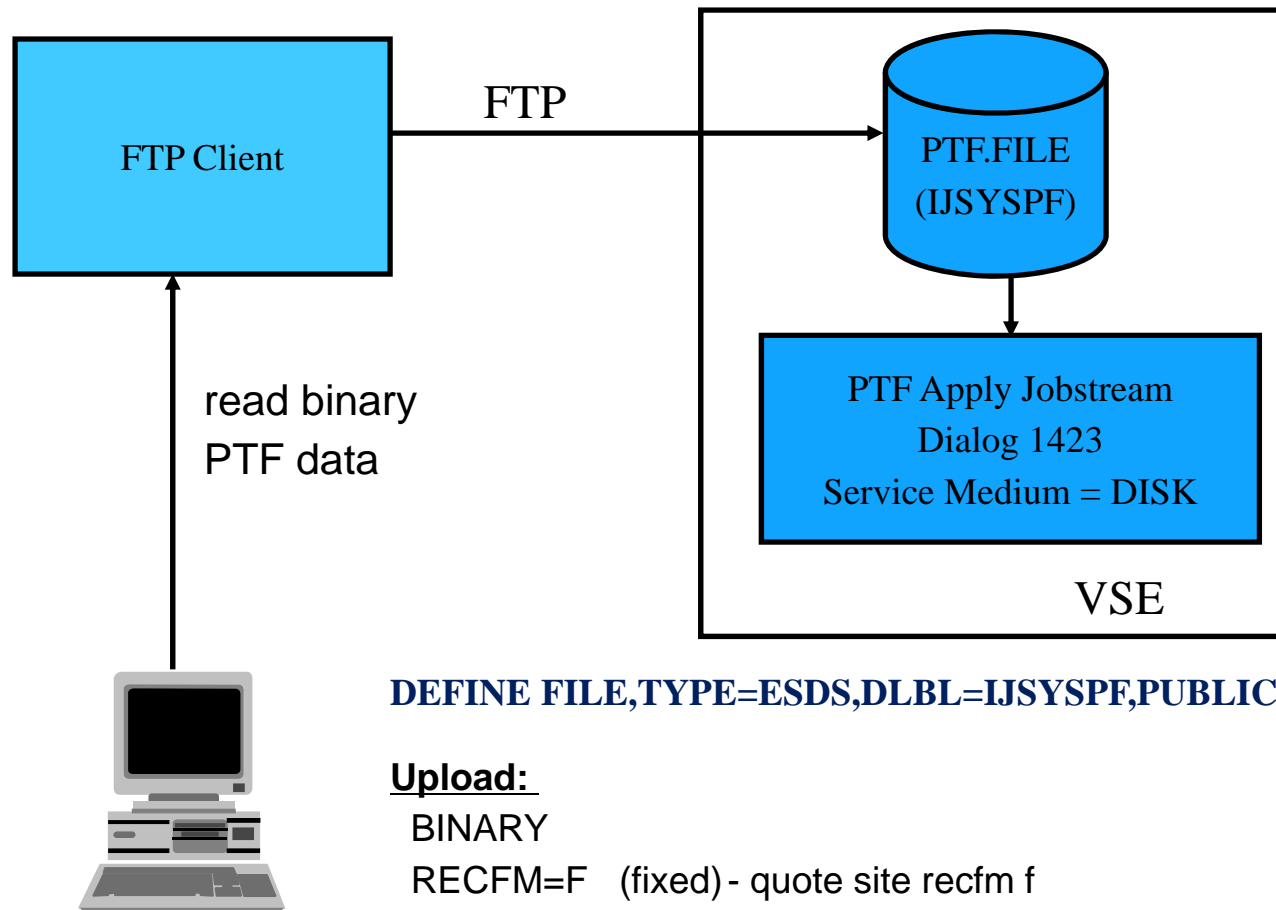
Ordering & installing service

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

FTP

FTP Client

PTF.FILE
(IJSYSPF)

read binary
PTF data

PTF Apply Jobstream
Dialog 1423
Service Medium = DISK

VSE

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 IUI 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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  - Ordering Products and Service (RSL, PSP, APAR)
  - How to Apply Service

- **Live and in Color**
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  - Stay connected

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Hints and Tips for z/VSE 5.2

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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→ 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)

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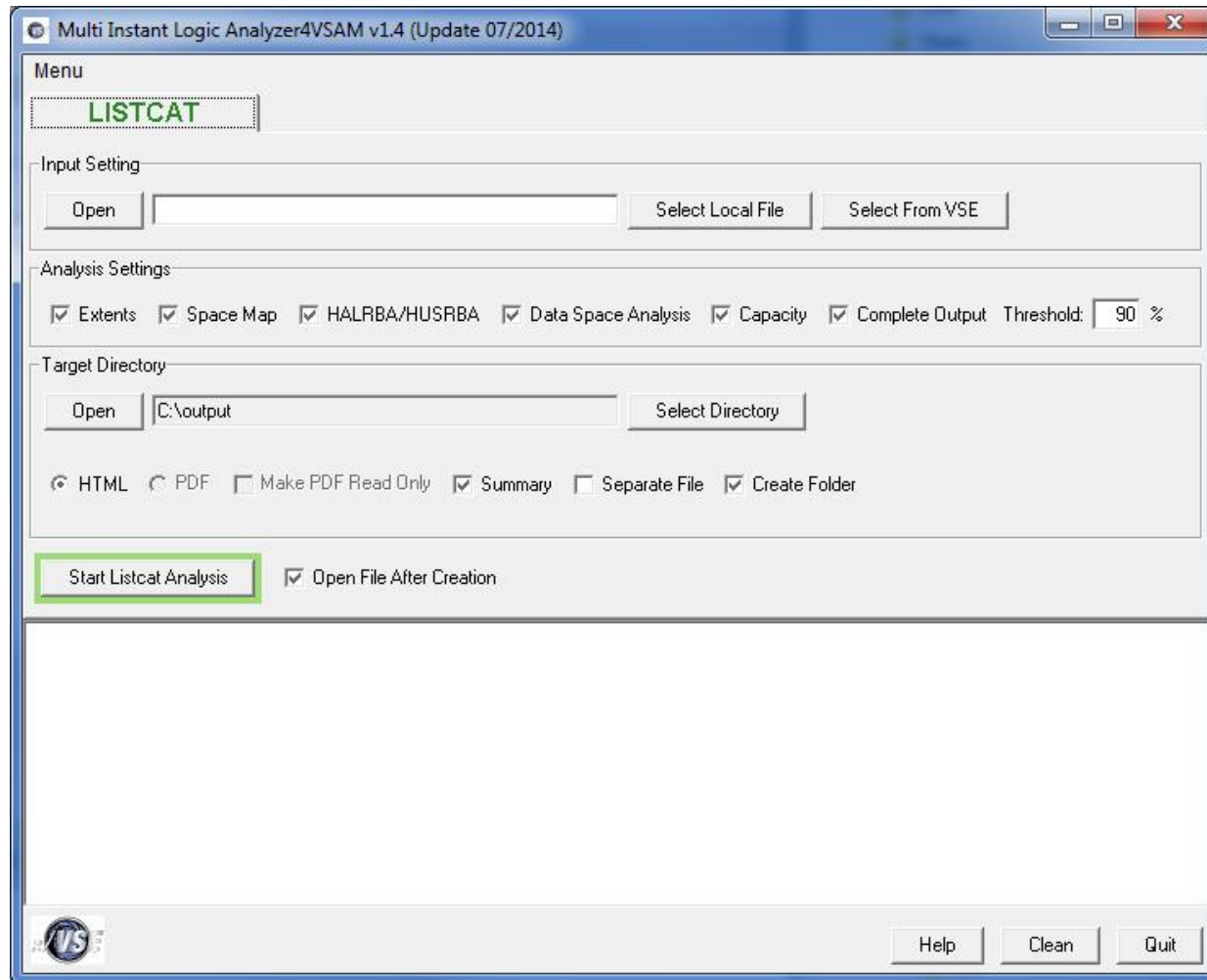
http://www.ibm.com/zvse/downloads/tools.html#vat

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Follow System z on twitter

- **@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/

Be Social with z/VSE

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www.ibm.com/developerworks/mydeveloperworks/blogs/vse/

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www.ibm.com/developerworks/community/blogs/lezvse/

Join System z Advocates (Subgroup **z/VSE**)
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Read at the IBM System z Blog
www-304.ibm.com/connections/blogs/systemz/

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- www.ibm.com/training is the main IBM training page for accessing our comprehensive portfolio of skills and career accelerators that are designed to meet all your training needs.

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