

z/VSE Status

Supported z/VSE releases

Version/Release	Date available	Withdrawal from Marketing effective (1)	Withdrawal from Service effective	Minimum z/VM level (2)
z/VSE V6.2	12/01/2017 Announcement	TBD	TBD	z/VM V5.4
z/VSE V6.1	11/27/2015 Announcement	12/01/2017 Announcement	06/30/2019 Announcement	z/VM V5.4
z/VSE V5.2	04/25/2014 Announcement	03/13/2017 Announcement	10/31/2018 Announcement	z/VM V5.4

Note (1): If you have a need for z/VSE tapes from a release that is no longer available for ordering, i.e. for an intermediate FSU step during release upgrade from older releases, then please [contact the z/VSE team](#).

Note (2): 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/VSE server support

IBM z Systems, IBM System z, zSeries and S/390 Server	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
IBM z14 ZR1 (1)	Yes	Yes	Yes (4)
IBM z14 (1)	Yes	Yes	Yes (4)
IBM z13s (1)	Yes	Yes	Yes

IBM z Systems, IBM System z, zSeries and S/390 Server	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
IBM z13 (1)	Yes	Yes	Yes
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 (2,3)
IBM System z10 BC	No	Yes	Yes
IBM System z10 EC	No	Yes	Yes
IBM System z9 EC (formerly z9-109)	No	No	Yes
IBM System z9 BC	No	No	Yes
zSeries 990, 890	No	No	No
zSeries 900, 800	No	No	No
S/390 Parallel Enterprise Server G5/G6	No	No	No
S/390 Multiprise 3000	No	No	No

Note (1): The z14 ZR1, z14, z13s, z13, zEC12 and zBC12 allow to configure OSA-Express4S and later with **OSA/SF in HMC**. Starting with the zEC12, ESCON channels are no longer supported.

Note (2): z/VSE V6.2, V6.1, V5.2 and V5.1 can participate in an IEDN through OSA-Express for zBX devices (LPAR or z/VM guests).

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

Note (4): z/VSE V5.2 on z14 ZR1 or z14: For the AR REIPL command the PTF for APAR [DY47722](#) is required. For automatic installation of z/VSE 5.2 in a z14 ZR1 or z14 LPAR and ECKD disks: After restore of IJSYSR1 is complete (message on console), system enters hardwait FFD (because REIPL fails). Circumvention: After restore of IJSYSR1, when system entered hardwait, IPL DOSRES device manually. Then automatic installation then continues normally.

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 an end of support date has been announced.

z/VSE support for adapters and crypto

Adapter	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
OSA-Express, OSA-Express2, OSA-Express3, OSA-Express4S (1), OSA-Express5S (1), OSA-Express6S (1)	Yes	Yes	Yes
FICON Express, FICON Express2, FICON Express4, FICON Express8, FICON Express8S, FICON Express16S, FICON Express16S+	Yes	Yes	Yes
Crypto Express2, Crypto Express3, Crypto Express4S, Crypto Express5S (2), Crypto Express6S (2)	Yes	Yes	Yes
CP Assist for Cryptographic Function (CPACF)	Yes	Yes	Yes

Note (1): The z14 ZR1, z14, z13s, z13, zEC12 and zBC12 allow to configure OSA-Express4S and later with **OSA/SF in HMC**.

Note (2): The Crypto Express5S can be used with a z13, z13s, z14, and z14 ZR1 only. The Crypto Express6S can be used with a z14 or z14 ZR1 only.

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.

z/VSE storage support

Please also see [IBM System Storage Interoperation Center \(SSIC\)](#)

IBM Disk Storage Systems	Attachment	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
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. This includes the DS8880 family (models DS8884, DS8886 and DS8888) (2,3)	ECKD	Yes	Yes	Yes
	SCSI (FCP)	Yes	Yes	Yes
IBM System Storage SAN Volume Controller (SVC), IBM Storwize V7000, IBM Storwize V5000, IBM Storwize V3500, IBM Storwize V3700, IBM FlashSystem V840, IBM FlashSystem V9000	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 Storage](#) home page.

IBM Tape Storage Systems	Controllers	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
TS1140 (3592 Model E07) Encryption capable	C07, C06	Yes	Yes	Yes
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
IBM Tape Library Systems				
	Controllers	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
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	Yes
Multi-Cluster Grid Support		Yes	Yes	Yes

IBM Tape Library Systems	Controllers	z/VSE V6.2	z/VSE V6.1	z/VSE V5.2
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.

Concurrent microcode upgrade for IBM System Storage

Please consult your device documentation.

Recommendation for IBM Disk Storage:

(E)CKD disks: z/VSE **strongly** recommends to shutdown the z/VSE system prior to the microcode upgrade for local disks, and also if remote disks are coupled via PPRC.

FCP-attached SCSI disks: z/VSE does not support concurrent microcode upgrade for FCP-attached SCSI disks.

That is, please shutdown the z/VSE system(s), do the upgrade and-re-IPL the z/VSE system(s). This includes all dependent z/VSE systems (e.g. systems that use the same lock file).

Recommendation for IBM Tape Storage:

z/VSE with the latest service level supports concurrent microcode upgrade 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.

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Comments and Questions

Comments or questions on this documentation are welcome. Please send your comments to: zvse@de.ibm.com