

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	05/09/2022 Announcement	30/09/2023 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
IBM z16 (1)	Yes
IBM z15 T02 (1)	Yes
IBM z15 (1)	Yes
IBM z14 ZR1 (1)	Yes
IBM z14 (1)	Yes
IBM z13s (1)	Yes

IBM z Systems, IBM System z, zSeries and S/390 Server	z/VSE V6.2
IBM z13 (1)	Yes
IBM zEnterprise BC12 (1)	Yes
IBM zEnterprise EC12 (1)	Yes
IBM zEnterprise 114	Yes
IBM zEnterprise 196	Yes
IBM zEnterprise BladeCenter Extension (zBX) - IEDN Support	Yes (2,3)
IBM System z10 BC	No
IBM System z10 EC	No
IBM System z9 EC (formerly z9-109)	No
IBM System z9 BC	No
zSeries 990, 890	No
zSeries 900, 800	No
S/390 Parallel Enterprise Server G5/G6	No
S/390 Multiprise 3000	No

Note (1): The z16, z15 T02, z15, z14 ZR1, z14, z13s, z13, zEC12 and zBC12 allow to configure OSA-Express with **OSA/SF in HMC**. Starting with the zEC12, ESCON channels are no longer supported.

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

Note (3): z/VSE V6.2 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 an end of support date has been announced. Please also see: [IBM Mainframe Life Cycle History](#).

z/VSE support for adapters and crypto

Adapter	z/VSE V6.2
OSA-Express7S (1), OSA-Express7S 1.2 (1)	Yes
OSA-Express, OSA-Express2, OSA-Express3, OSA-Express4S (1), OSA-Express5S (1), OSA-Express6S (1)	Yes
FICON Express, FICON Express2, FICON Express4, FICON Express8, FICON Express8S, FICON Express16S, FICON Express16S+, FICON Express32S	Yes
Crypto Express2, Crypto Express3, Crypto Express4S, Crypto Express5S (2), Crypto Express6S (2), Crypto Express7S (2), Crypto Express8S (2)	Yes
CP Assist for Cryptographic Function (CPACF)	Yes

Note (1): The z16, z15, z14 ZR1, z14, z13s, z13, zEC12 and zBC12 allow to configure OSA-Express with **OSA/SF in HMC**.

Note (2): The Crypto Express5S can be used with a z13, z13s, z14, z14 ZR1, or z15 only. The Crypto Express6S can be used with a z14, z14 ZR1, or z15 only. The Crypto Express7S can be used with a z15 only. The Crypto Express8S can be used with a z16 only. z/VSE 6.2 without PTF for APAR DY47834 displays and uses CEX7S and CEX8S cards as CEX6S cards. With that PTF it displays and uses CEX8S cards as CEX7S cards.

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
IBM TotalStorage Enterprise Storage Server model 750, 800 and 800 Turbo	ECKD	Yes
	SCSI (FCP)	Yes
IBM System Storage DS6000 series	ECKD (1)	Yes
	SCSI (FCP)	Yes
IBM System Storage DS8000 series. This includes the DS8880 family (models DS8884, DS8886 and DS8888) (2,3)	ECKD	Yes
	SCSI (FCP)	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
IBM XIV Storage System	SCSI (FCP)	Yes
Parallel Access Volume Feature (PAV)	ECKD	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
TS1140 (3592 Model E07) Encryption capable	C07, C06	Yes
TS1130 (3592 Model E06) Encryption capable	C07, C06	Yes
TS1120 (3592 Model E05) Encryption capable	C07, C06, J70	Yes
3592 Model J1A	C06, J70	Yes
TS3400 Tape Library (Autoloader) containing up to two TS1120 tape drives	C06	Yes
3590 Model H, E and B	A50, A60	Yes
3490E	A10, A20	Yes
3490	A01, A02	Yes
3480	A22	Yes

IBM Tape Library Systems	Controllers	z/VSE V6.2
TS7680 ProtecTIER Deduplication Gateway	C06, tape drives: virtual 3592 J1A	Yes
TS7700 Virtualization Engine (5)	See info for tape drives.	Yes
Copy Export Function		Yes
Multi-Cluster Grid Support		Yes

IBM Tape Library Systems	Controllers	z/VSE V6.2
3494 Virtual Tape Server (VTS)	See info for tape drives.	Yes
TS3500/3584 UltraScalable Tape Library	J70, C06	Yes
3494 TotalStorage Tape Library	J70, C06, A60	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 shutting down 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 taking 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