VMS Software

VSI VMS/XDE E2025.11 Beta

Release Notes

1. Introduction

VSI is pleased to introduce VMS Cross-Development Environment (VMS/XDE) E2025.11. For detailed information about the product, refer to *[VSI VMS/XDE Installation and Configuration Guide](https://22678977.fs1.hubspotusercontent-na1.net/hubfs/22678977/VMS%20-%20Files/VMS_XDE_IG.pdf)* [https://22678977.fs1.hubspotusercontent-na1.net/hubfs/22678977/VMS%20-%20Files/VMS_XDE_IG.pdf].

2. Fixes and Improvements

In VMS/XDE E2025.11:

- Running VMS/XDE using the host OS root account has been disallowed (bug report case 2296).

- A bug that was causing VMS/XDE to crash when running the DCL command **MCR SYSMAN IO AUTO** has been fixed (bug report case 2286).

- A bug that was causing the access violation exception when invoking the command **SHOW DEVICES *disk-name*/FILES** for a disk without opened files has been fixed (bug report case 2280).

- VMS/XDE is now more stable when used on NTFS with WSL2 (bug report case 2287).

- A bug that was causing VMS/XDE to crash when getting attributes of a file for which the user does not have permissions has been fixed (bug report case 2291).

- Incorrect output of the SDA command **SHOW SUMMARY** has been fixed (bug report case 2291).

- System requirements have been revised and lowered (bug report case 2281).

- The TCP/IP routine GETADDRINFO now returns the correct information for IPv6 addresses (bug report case 2294).

- A system requirements check has been added to the installation procedure (bug report case 2282). The check validates the following:

  - Support for extended attributes

  - GLIBC/GLIBCXX version

  - Kernel version

  - Existing VMS/XDE installations on the current system

  - Whether the installation is attempted from a root account

- Added the missing DKC1 device to the full installation package.

In VMS/XDE E2025.10.1:

- Multithread stability fixes:

  - A bug that was causing VMS/XDE to hang when creating a new process has been fixed.

  - A bug that was causing VMS/XDE to hang when running multithread applications (such as JAVA) has been fixed.

- Terminal interaction fixes:

  - A bug that was causing the terminal window to hang on image rundown has been fixed.

  - A bug that was causing the terminal window to lag when running multiple subprocesses has been fixed.

- Storage devices fix:

  The **SHOW DEVICE DISK /FULL** command now displays the following additional information: storage size, volume size, free space, and file limit.

- Memory information fix:

  The **SHOW MEMORY** command now correctly displays the amount of permanently allocated physical memory.

- Interprocess communication fix:

  Using the Module Management System (MMS) utility or the DCL command **PIPE** no longer causes VMS/XDE to hang.

- Network driver fix:

  An issue with the support of Network-related $QIO functions has been fixed, and using the SCP or FTP protocols no longer causes VMS/XDE to hang.

- Process termination stability has been improved.

- An interactive package installer has been added.

- Several minor internal fixes and improvements have been implemented.

- Documentation has been improved.

3. Known Issues and Limitations

The current version of VMS/XDE has the following issues and limitations:

- None of the TCP/IP utilities are expected to work.

- Symbolic links are not supported.

- The BACKUP.EXE utility cannot create physical backups.

- The SYS$IPC system service does not work with user buffers in the P2 address space.

- The PTHREAD$RTL and TCPIP$IPC_SHR libraries are not fully supported.

- DECwindows subsystem is supported with limitations.

- Stack size is limited to 2048 KB for the main thread and 1024 KB for `pthreads`.

- SDA and DEBUGGER utilities are supported with limitations.

- DELTA and XDELTA debuggers are not supported.

- Process and system quotas are supported with limitations.

- The **LIBRARIAN/DATA=EXPAND/OBJ** command is not supported on DKC*x* storage devices.

- OpenSSH only supports client applications.

4. Trial Period Limitations

The trial period for the current demo version of VMS/XDE will end on January 31, 2026. For more information, refer to [VMS Software EULA \[https://docs.vmssoftware.com/docs/vsi-eula.pdf\]](https://docs.vmssoftware.com/docs/vsi-eula.pdf).