

# PTC Perc Version 8.8 is now Shipping!

## Improved Performance, Updates, Security Patches, New PVM Protect Tool

Boston, MA – July 25, 2026 -- PTC (NASDAQ: PTC) today announced the general availability of new releases of two PTC Perc products, Perc 64 8.8 (for 64-bit platforms) and Perc Ultra SMP 8.8 (for 32-bit platforms).

### New features and enhancements:

- The Ahead-of-Time and Just-in-Time compilers intrinsify calls to internal sun.misc.Unsafe methods for faster execution of atomic operations, allocations, and class initialization in core Java classes.
- The bug fix for OpenJDK bug JDK-8187653 has been back-ported to Perc 8.8 to fix a performance bottleneck when multiple concurrent threads convert byte arrays to Strings.
- The PVM event logging feature has been enhanced to make it easier for developers to implement a custom log decoder class. Default methods now print column headers and data for fixed-format data, such as time stamps, event codes, thread names and thread ID values.
- The new PVM Protect tool is now available with Perc 64 8.8 (64-bit only) for users who need end-to-end encryption of their code and data. PVM Protect uses RSA and AES algorithms to encrypt a Perc executable and wrap it in a self-decrypting launcher. The launcher prevents any attempts to examine its contents until it is executed on a target system with TPM 2.0 hardware provisioned with the correct RSA secret key. The key is “sealed” to allow decryption only when the target system’s bootstrap, kernel, and other critical software have been validated. Code and data are decrypted directly into memory where it is then executed. No decrypted code or data is saved on disk where it could be captured by a threat actor. This tool requires a separate license key.
- A new “--warning-as-error” command-line option has been added to the PercAccelerator (pxl) tool. This option assures ppxl will return an error if a dependency class cannot be found in the search classpath.
- The accumulated bug fixes and security patches between OpenJDK 8u412-b08 and OpenJDK 8u452-b09 have been merged from the OpenJDK 8u project.
- The minimum system requirements for Perc 64 8.8 and Perc Ultra SMP 8.8 remain the same as version 8.7.
- In addition, the PVM Protect launcher executable requires these libraries to decrypt and run on target systems (they are not required on host systems to use the ‘pvmprotect’ tool):

RHEL/Rocky Linux 8.6+	Ubuntu 22.04.4+
tpm-tss 2.3.2-5+	libtss2-esys-3.0.2-0 3.2.0-1ubuntu1.1+
openssl-libs 3.0+	libssl3 3.0.2-0ubuntu1.19+
*tpm2-tools 4.1.1+	*tpm2-tools 5.2.1build1+

\* Required only during target system TPM provisioning

### Shipping and Availability

PTC Perc 64 v8.8 is immediately available from PTC with development tools on Linux platforms and supports Linux execution on 64-bit multi-core x86\_64 and ARMv8-A target architectures. Perc Ultra SMP 8.8 is immediately available with development tools on Linux platforms and supports Linux execution on 32-bit multi-core x86 and ARMv7-A (armhf) targets. Target execution and deployment license pricing is available on request. For more information about these products, please visit <https://www.ptc.com/products/developer-tools/perc>.

### Product Download

Existing customers can download the latest version and product documentation from the PTC Developer Tools download portal. A license key request form can be found at the download portal. To request access to the product download, [click here](#).