PTC Perc Version 8.6.1 is now Shipping!
Improved Memory Management, Ease-of-Use, Virtual File Systems

Boston, MA – July 31, 2023 –– PTC (NASDAQ: PTC) today announced the general availability of new releases of two PTC Perc products, Perc Ultra SMP 8.6.1 (for 32-bit platforms) and Perc 64 8.6.1 (for 64-bit platforms).

New features and enhancements:
- The initial number non-static regions specified on the PVM command line is now saved as the minimum number of such regions. This reduces the possibility of OutOfMemoryErrors being thrown as static regions could replace empty non-static regions.
- The Perc AOT/JIT compiler has been modified to be compatible with the newer C++ calling convention in gcc version 8.5.0+ for aarch64 platforms.
- When using the ROMizer or PXL "--create-stubs" option, any existing stubs.jar file will be renamed stubs.jar.old (and overwriting any previous stubs.jar.old file if it exists). This avoids mistakenly using a stubs.jar from a previous build.
- A new "-cdump" (or "--dump-classes") option on the PVM command line will cause PVM to output a list of classes statically linked by the ROMizer, including information about each class (abstract, interface, skeleton, etc.).
- The PVM "--event-log" option now accepts an additional sub-option "save=N" to preserve event logs of the N most recently exited Threads for subsequent dumping.
- The COM.newmonics.util.DecodeEventLogs.LogEntry class has a new method getDataAsString() to simplify writing a custom event log decoder for logs containing events with String data.
- The Perc Virtual File System (VFS) feature now supports the java.nio.channels.FileChannel.map() method. This completes VFS support for all java.io and java.nio APIs.
- Includes the latest OpenJDK 8u372-b07 bug fixes and security patches.

These features support our mission of providing best-in-class Real-Time Mission-Critical Java technologies to our valued customers.

About PTC's Perc Family of Products
PTC Perc is one of the most deployed real-time Virtual Machines in the industry. PTC Perc is a virtual machine and tool set expressly created for demanding embedded and real-time systems requiring Java Standard Edition support. PTC Perc delivers the ease and efficiency of Java SE without sacrificing compatibility or deterministic real-time behavior. The product line offers Ahead-of-Time (AOT) and Just-in-Time (JIT) compilation, remote debug support, and preemptible garbage collection.

Shipping and Availability
PTC Perc 64 v8.6.1 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 8.6.1 is immediately available with development tools on Linux platforms and supports Linux execution on 32-bit multi-core x86 and ARMv7-A 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
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