

***Now Available!***

## **PTC MKS Toolkit 10.1 (Patch 1) & PTC X/Server 10.1 (Patch 1)**

**PTC MKS Toolkit 10.1 (Patch 1)** and **PTC X/Server 10.1 (Patch 1)** are maintenance releases that include bug fixes and known issues as described on the [Fixed Problems](#) page.

The **PTC MKS Toolkit 10.1 (Patch 1)** release includes additional enhancements to feature functionality and capability as outlined below:

- **stdc++ runtime dll implemented**

The stdc++ runtime library has been enhanced to implement both static and dynamic(dll) for the runtime. This C++ runtime library is used when you use either the LLVM compiler or Visual Studio 2017.

- **std::rethrow\_exception is now implemented in stdc++ libraries**

The stdc++ runtime library has been enhanced to add an std::rethrow\_exception implementation. Note however that std::nested\_exception is not yet implemented.

- **Visual Studio 2017 15.6.1 tested with NuTCRACKER Platform**

Microsoft is releasing new capabilities in small increments. PTC MKS Toolkit may recognize the compiler in the installer but not be aware of recent updates. This was the case with PTC MKS Toolkit 10.1 and Visual Studio 2017 15.6.1. PTC MKS Toolkit 10.1p1 is aware of new features in Visual Studio 2017 15.6.1. It is likely that more new features will appear in future releases of which PTC MKS Toolkit 10.1p1 is unaware.

- **C++ <atomic> implemented for Visual C++ 15 and later**

An implementation for std::atomic is now present for use with Visual C++ 15.0 and later. The clang++ implementation is unchanged.

- **strnlen() and wcsnlen() implemented**

strnlen() and wcsnlen() are now implemented in c.lib as well as being defined in string.h and wchar.h.

The **PTC X/Server 10.1 (Patch 1)** release includes additional enhancements to feature functionality and capability as outlined below:

- **PTC X/Server 10.1 (Patch 1) no longer works with Windows Vista.**

Due to the fact that Vista does not have an implementation of SHA256 code signing certificates, and an inability to purchase SHA1 code signing certificates, PTC MKS Toolkit (both 32 and 64-bit editions) and X/Server will no longer install or run on Windows Vista.

- **PTC X/Server 10.1 (Patch 1) no longer works with Windows Server 2003.**

With this release, Windows Server 2003 is no longer a valid install target for PTC MKS Toolkit (both 32 and 64-bit editions) and X/Server.

- **Build environment updated.**

With this release our build environment was updated to use a newer compiler. Normally this is not of interest to end-users except for the fact that future hot fixes will be much more version specific than they have been in the past.

### **Ready to Get it Now?**

If you have a Support contract, you may request the PTC MKS Toolkit 10.1 & X/Server 10.1 Patch 1 [updates today!](#)

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