

Features and Fixes Since UnixWare 7.1.4 Maintenance Pack 4 (MP4)

Since The SCO Group introduced UnixWare 7.1.4 Maintenance Pack 4 (MP4) in 2008, XinuOS and its predecessors have consistently released patches and packages to improve the UnixWare environment, enhancing both functionality and security. These updates were periodically issued and consolidated into new ISO media.

Our latest offering includes **UnixWare 7 Definitive 2018** along with a new GNU development subsystem, PTF 9151, Maintenance Pack 1, and Update Pack 1. This release enhances MP4 in the following ways:

- Support for the VMware and KVM/ProxMox virtual environments
- New development system to compile and run applications GNU applications on UnixWare 7 Definitive 2018. This development system provides new GNU C and GNU C++ compilers;
- linker; debugger; and binutils
- Revised and new open source ports including:
 - Python version 3.10.12
 - Perl version 5.34.0
 - Samba 4.10.161
 - Sendmail 8.17.2
 - Bash 4.3.30
 - Rsync 3.4.1 (via patchck coming in a few days)
- An improved clock implementation, including additional clock system calls
- ACPI enhancements
- A better performance mini-kernel during initial installation of the operating system
- An improved Kernel Memory Debugging Tool (kmdt), which is now integrated with the kernel
- The **patchck** tool helps keep your system up to date. It should be run periodically to identify the latest patches, updates to existing packages (including security updates), and newly available packages. Additionally, it facilitates system upgrades to MP2 and UP2 when those versions become available. The tool downloads updates from the web, but we also provide ISOs for offline installations.
- vmtools version 2011.04.25e
- guest_conf tool for cloning virtual machines.
- Support for package names up to 32 characters
- Additional large-file aware utilities including awk, grep, and sort

Details:

As XinuOS continues to deliver updates, both large and small, we document the features and bug fixes included in each release. Given the numerous updates over the past couple of decades, this documentation is available in multiple locations.

The main write-ups are in the following documents:

- Major updates and additions to our open-source applications were included in UnixWare 7 Definitive 2018 Maintenance Pack 1 and Update Pack 1. The features in these releases are detailed in the [SCO UnixWare 7™ Definitive 2018 Maintenance Pack 1 and Update Pack 1 Release Notes](#) document. Its appendices list the package versions included in the initial 2024 MP1/UP1 release. Updates for some of these packages are available through **patchck**, which always provides the latest package updates for UnixWare 7 Definitive 2018.
- Our release introducing KVM to UnixWare 7 Definitive 2018 is documented here: [SCO UnixWare 7 Definitive 2018 - Release Notes Supplement](#).
- XinuOS' new development system for building and running GNU applications is detailed at: [Technical Article #128108, What is the UnixWare 7 Definitive 2018/OpenServer 6 Definitive 2018 Extended Development System \(XDEV\)](#).
- Bug fixes to our core operating system since the initial release of UnixWare 7 Definitive 2018 are documented in: [Technical Article #128126: What is Support Level Supplement \(SLS\) ptf9151b, the UnixWare 7 Definitive 2018 Supplement 2?](#) and [Technical Article #128065: What is Support Level Supplement \(SLS\) ptf9150i, the UnixWare 7 Definitive 2018 Supplement?](#). PTF 9151 includes all the fixes that were part of the earlier PTF 9150, plus many additional enhancements.
- The features and fixes introduced between UnixWare 7.1.4 and the initial release of UnixWare 7 Definitive 2018 are detailed in the following documents:
 - [SCO UnixWare 7 Definitive 2018 Release Notes](#) Describes the features and fixes in UnixWare 7 Definitive 2018 and its two immediate predecessor releases, UnixWare 7.1.4+ Version 2 and UnixWare 7 Definitive product line first release (D2M0).
 - [UnixWare 7.1.4+ Installation and Update Guide](#) Describes the features and bug fixes in earlier offerings: UnixWare 7.1.4 MP1, MP2, MP3, MP4, and UnixWare 7.1.4+ Version 1.

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