

SnapServer GuardianOS Firmware Version 7.2.132 Release Announcement

October 2014

Preface

This Product Information Bulletin announces the release of GuardianOS® Version 7.2.132 for selected SnapServer® systems.

Models Affected

GuardianOS Version 7.2.132 is supported as an upgrade for SnapServer DX1 and DX2 running GuardianOS 7.0, 7.1, or any previous version of 7.2.

Upgrade Considerations

All systems running GuardianOS 7.0, 7.1, or previous versions of 7.2 can be upgraded to GuardianOS 7.2.132. When upgrading to GuardianOS 7.2.132 there are a few factors to consider before performing the upgrade:

- Backup the system prior to any GuardianOS upgrade.
- Reboot the system prior to any GuardianOS upgrade.
- After upgrading, it is recommended that a disaster recovery image be created to ensure the recovery of the system should a hardware failure occur.

Downgrades are Not Supported

As with all previous GuardianOS releases downgrades are not supported.

GuardianOS 7.2.132 Changes and Enhancements

- **Shellshock Remediation** - Version 7.2.132 of GuardianOS provides fixes to a bash code injection vulnerability (also known as “Shellshock”) via specially crafted environment variables (CVE-2014-6271, CVE-2014-6277, CVE-2014-6278, CVE-2014-7169, CVE-2014-7186, CVE-2014-7187).

Previous GuardianOS 7.2 Changes and Enhancements

- **OS Update** – Improved the OS Update feature by adding support for systems running an older version of GuardianOS 7.2 on a new replacement chassis.

- **USB** – Fixed an issue that prevented detection, on certain hardware platforms, of a USB-attached APC Uninterruptible Power Supply.
- **DNS** – Fixed a DNS hostname lookup failure associated with very large EDR environments.
- **CA Antivirus Install** – Corrected an issue that can result in the CA Antivirus program failing to install or run on GuardianOS systems.
- **Volume Maintenance** – Fixed an issue that may prevent the deletion of traditional RAID volumes including resetting the storage environment.
- **Fan Speed Monitoring** – Made additional improvements to fan speed monitoring and adjustment on the DX1 hardware platform.
- **Snapshots** – Various bug fixes to improve the handling of Snapshots.
- **Real Time Clock (RTC)** - Updated the DX1 and DX2 platform BIOS to fix a RTC issue where under certain conditions a SnapServer may hang during reboot.
- **Drive Monitoring Improvements** – Improved the monitoring and handling of drive failures in a Dynamic RAID group.
- **System Manufacturing Data** - Added manufacturing version number to help with the identification of a system by the Service and Support teams.
- **Traceability of Key Manufacturing Data** - Added the ability to record system manufacturing information in the Web Management Interface to facilitate the tracking and auditing of key quality data.
- **Support for large Windows Domains** - Improved software and Web Management Interface with respect to the lookup and management of Users / Groups, and Quotas when joined to large (100,000+ user) domains. There is no longer a limit to the supported number of users/groups in a Windows domain.
- **Support for iSCSI LUNs Greater than 2TB** - Support has been added for creating and growing iSCSI LUNs greater than 2TB. The maximum size of an iSCSI LUN is now limited only by the size of the volume hosting it.
- **10 GbE Support** - Added support for 10 gigabit Ethernet. GuardianOS supports the following network cards:
 - **OV-ACC902030 ACC** - PCIe Card, DX2, Dual Port 10GbE FC SFP+ NIC (Intel® Ethernet Server Adapter X520-SR2)
 - **OV-ACC902031 ACC** - PCIe Card, DX2, Dual Port 10GbE RJ-45 NIC (Intel® Ethernet Server Adapter X520-T2)
- **Solid State Drive Support** - 120GB, 240GB, and 480GB SSDs are now supported as primary storage on SnapServer DX1 and DX2 products.
- **4TB SATA Drive Support** - Added support for 4TB SATA drives for SnapServer DX1, DX2, and SnapExpansion products.
- **4-port GbE NIC Support** - Fixed an issue that prevented the 4-port gigabit Ethernet network card (OV-ACC902019) from booting on certain DX hardware platforms.
- **Local User/Group Names with Spaces** - Fixed an issue that prevented share access assignment to local users and groups with spaces in their names.

Third Party Product Support

NOTE: Refer to the [Compatibility Guide on the Overland Storage Support website](#) for a list of compatible operating systems, software and hardware.

- **Windows Hardware Certification** - Microsoft Windows Hardware Certification has been completed for the following iSCSI targets:

- Windows Server 2012
- Windows Server 2008 R2 x64
- Windows Server 2008 x64 & x86
- Windows Server 2003 R2 x64 & x86
- **Third Party Backup Products** - The following third party backup agents have been qualified with GuardianOS 7.2:
 - Symantec Backup Exec 2010R3, 2012
 - Symantec NetBackup 6.5
 - CA ARCserve 11.5, 12.0
 - EMC Networker 7.3, 7.4
- **VMware iSCSI and NFS Certification** - VMware ESXi 5.1 certification for iSCSI (software initiators) has been completed. You can see a complete listing of the certification testing completed on the VMware Compatibility Guide web page.
- **Citrix iSCSI and NFS Certification** - Citrix XenCert 6.0.2 storage hardware certification.

Downloads

GuardianOS 7.2.132 is available for download for supported SnapServer users with active software entitlement agreements from the Overland NAS support website:

<http://docs.overlandstorage.com/snapserver>

Additional documentation on how to operate, configure, and support your SnapServer is also available on this site.