

## SnapServer GuardianOS Version 7.7.032 Release Announcement

May 2016

### Preface

This Product Information Bulletin announces the release of GuardianOS® Version 7.7.032 for selected SnapServer® systems.

### Models Affected

GuardianOS Version 7.7.032 supports SnapCLOUD, the SnapServer XSR Series™ appliances (XSD 40, XSR 40, and XSR 120), the SnapExpansion XSR™, the SnapServer DX Series™ appliances (DX1 and DX2), and the SnapExpansion DX.



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**IMPORTANT:** For SnapServer DX1 or DX2 appliances, this version of GuardianOS is only supported as an upgrade for GuardianOS 7.2.130 or later. For servers running older versions of GuardianOS, upgrade to GuardianOS 7.2.132 first. Do NOT attempt to upgrade to 7.2.130!

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### Upgrade Considerations

When upgrading to GuardianOS 7.7.032, 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.
- For servers running older versions of GuardianOS, upgrade to GuardianOS 7.2.132 first. Do NOT attempt to upgrade to 7.2.130!

### Downgrades are Not Supported

As with all previous GuardianOS releases, downgrades are not supported.

### GuardianOS 7.7.032 Changes and Enhancements

- SnapSync™ – Miscellaneous bug fixes.

## GuardianOS 7.7.031 Changes and Enhancements

This release upgrades critical software components and includes the following new features:

- Snap ECR™ (Snap Encrypted Continuous Replication™) – GuardianOS 7.7 introduces the Snap ECR feature which supports point-to-point near continuous replication over an encrypted connection.
- SnapSync – Also new in GuardianOS 7.7 is SnapSync version 2.3.4, a replacement of Sync 2.2.5 included in previous GOS releases. SnapSync is fully compatible with other Sync clients of the same version, and on upgrade to GOS 7.7 existing Sync installations are updated in place with all configuration preserved.
- Simplified Default Windows ACL – The Windows ACL created on new volumes has been simplified for easier file sharing between different users. Existing volumes are unaffected.
- Phone home and phone home commands are available in the CLI.
- Added support for 3TB RDX cartridges.
- SSM has been re-branded from “SnapServer Manager” to “SnapStorage Manager” to reflect enhancements to manage all Snap products.

**NOTE:** When installing SnapStorage Manager on a system that has SnapServer Manager already installed, uninstall the existing installation first or install it in a different directory.

## Previous GuardianOS 7.6 Changes and Enhancements

The previous release upgraded critical software components and included several new features:

- **Improved Data Import** – Data Import now uses multiple connections to the source to improve performance. It can also optionally import from multiple IPs of a source cluster to access all nodes simultaneously.
- **New, Improved GUI** – The Web Management Interface has been updated with a new design, icons, and colors to improve readability and provide better details.
- **Operating Systems** – Since version 7.6.254, GuardianOS supports Windows 10 and OS X 10.11.
- **Sync Update** – Now supports Sync version 2.2.5.

After upgrading to Sync 2.2.5, existing shared folders will continue to sync properly with peers running Sync 1.4. However, please note the following when creating new shared folders:

- Only the key method can be used to establish a new shared folder connection between peers running Sync 2.2.5 and 1.4. The link method is not supported.
- The folder sync key is available in the folder's Share dialog in Sync 2.2.5 and the folder's Preferences dialog in Sync 1.4.
- **Expansion Systems** - Fixed an issue where servers with expansion units failed to boot after a GuardianOS update.
- **Security update** – Updated Samba to v3.6.25 to fix security vulnerability CVE-2015-0240.
- **New CLI command** – Added a new CLI command to address an issue that prevents new EDR agent installations from registering with the EDR master consoles. For additional information, refer to the technical bulletin *EDR Agents cannot be registered with EDR Management Console on Guardian OS 7.6.123 and Later*.
- **Network Monitor** – Added a new performance monitor that graphs throughput data for all active network interfaces and includes the ability to save data enabling the user to review network performance information going back several weeks or months.
- **RDX+** – Added support for the USB 3.0-powered RDX+ QuikStor with drive capacities greater than 2 TB.

- **CA Antivirus** is no longer available for new installs (still available on servers upgraded from earlier releases).
- **SSLv3** is no longer supported for HTTPS connections. TLS 1.0, 1.1, or 1.2 are now required. Most web browsers should work transparently.
- **Configuration** – Improvements to address rare configuration file corruption issues.
- **RDX** – Fixed an issue where an RDX data copy of large data sets may time out before completion.
- **Email Notification** – Corrected email notification event handling that was sending RAID sync alerts for normal background RAID scans.
- **Fan Control** – Corrected periodic random fan cycling on the XSR 120.
- **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).
- **New SnapServer XSR Series** – GuardianOS adds full support for the new rack-mounted appliances XSR 40 (1U server), XSR 120 (2U server) and SnapExpansion XSR (2U expansion unit).
- **New SnapServer XSD 40** – GuardianOS provides full support for the new XSD 40 desktop SnapServer.
- **RDX Support** – Basic support for RDX QuikStor devices is new in GuardianOS 7.6. This includes support for both NTFS and XFS formatted media. Also included is media management and copying files to and from the RDX.

## 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 7.7:
  - Symantec Backup Exec 2010R3, 2012
  - Symantec NetBackup 7.5
  - 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 7.7.032 is available for download for supported SnapServer and SnapCLOUD users with active software entitlement agreements from the Overland NAS support website:

<http://support.overlandstorage.com/support/snapservers-nas.htm>

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