

GuardianOS Version 8.0.084 Release Announcement

July 2019

Preface

This Product Information Bulletin announces the release of GuardianOS[®] Version 8.0.084 for selected SnapServer[®] systems.

Models Affected

GuardianOS Version 8.0.084 is available as an upgrade for existing SnapServer appliances originally shipped with GuardianOS 8.0 including XSD40, XSR40, and XSR120 models. It also supports existing XSD40, XSR40, XSR120, DX1, and later-model DX2 platforms via a fresh install migration procedure.

Migration to GuardianOS 8.0 from Pre-8.0

Due to fundamental changes in storage and iSCSI configuration, upgrade to GuardianOS 8.0 is not possible from pre-8.0 versions. However, a migration process is available that requires a fresh install and restore of data from a backup. To perform a migration to GuardianOS 8.0 from pre-8.0 versions, please contact Overland Technical Support.

Downgrades are Not Supported

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

GuardianOS 8.0.084 Changes and Enhancements

- Fixed support for older serial-only APC UPS models with the IOGear GUC232A USB to Serial Adapter Cable.
- NTLMv1 authentication is now enabled for compatibility with older Windows/SMB clients and MOBOTIX cameras. NTLMv2 and Kerberos authentication continue to be available for newer clients.

GuardianOS 8.0.083 Changes and Enhancements

- Various fixes for RDX backup job management and functionality.
- New command in CLI to disable RAID scan on DynamicRAID to reduce negative performance impact.

- New default minimum TLS protocol 1.1, and a new CLI command to set the minimum protocol to SSLv3, TLS 1.0, 1.1, or 1.2.
- Fix for failure to add iSCSI storage to a Hyper-V cluster.
- Fix for frequent link drops on the XSR 120 and DX2 onboard 1-gigabit Ethernet interfaces under heavy I/O load (“NIC Link is down/up” in the server Event Log).
- Various miscellaneous fixes for rare problems.

Previous GuardianOS 8.0 Changes and Enhancements

This is a cumulative release and includes all upgrades, feature enhancements, and bug fixes from previous GuardianOS 8.0 releases:

- The scheduled RDX backup job option “Create a new folder for each backup” now only backs up changed files for each subsequent backup, with each versioned directory containing a full set of changed and unchanged files via hard links.
- Updated [Snap EDR Agent Certificates and SSLv3 Configuration](#) section.
- Updated OS kernel and software packages for improved stability, functionality, and performance.
- Improved Windows client support:
 - Support for SMB 3.1.1, the latest version of the Windows file networking protocol with improved performance, TCP multichannel, and encryption over the wire.
 - Better integration into Windows Active Directory environments.
- Improved MacOS client support:
 - Support for AFP 3.4, the latest version of the MacOS file networking protocol.
 - Bonjour discovery in MacOS Finder.
 - Full support for Time Machine, including automatic discovery and configuration in the Time Machine control panel.
- New iSCSI implementation:
 - Better protocol compliance and performance than previous GuardianOS releases.
 - iSCSI targets are allocated as block devices directly on the Traditional RAID or DynamicRAID storage pool.
- Improved Web Management Interface that is more intuitive, providing critical system information in a simple, easy-to-read format. It provides a cleaner, modern look that includes icons that better represent functions, toggle switches for faster option changes, and faster refreshes.
- New DynamicRAID implementation including several enhancements:
 - Storage pool local hot spare drives.
 - User quotas on volumes.
 - Snapshots on individual volumes instead of the entire storage pool.
 - Manage Volume Sizes interface to dynamically reduce or increase volume sizes for more efficient storage pool space allocation.
- Snapshot enhancements:
 - Snapshot reservation replaces snapshot space to allow snapshots to consume extra unallocated space on the RAID or storage pool if necessary.
 - DynamicRAID snapshots are independent instead of chained and can be deleted without affecting other snapshots.
- Improved USB 3.0 functionality and support for the latest Tandberg RDX drives.

Additional Changes

- Security models are now configured on entire volumes and can no longer be set on traditional RAID subdirectories.
- Volume security reset to defaults has been removed in favor of re-applying a volume's security model with “reset permissions” selected.
- Group quotas are no longer available.
- SnapSync is no longer available in GuardianOS 8.0.

Snap EDR Agent Certificates and SSLv3 Configuration

NOTE: This section is for EDR Administrators.

Snap EDR agents and master consoles exchange certificates to ensure secure control communications. When a new agent registers with an EDR master console it uses SSLv3 to generate and exchange certificates. Therefore SSLv3 must be enabled on the master console when registering new agents, and can be disabled afterward.

To enable SSLv3 on the master console and register a new agent:

1. Connect to the master console server at **http://<servername_or_IP>/sadmin/debug.cgi** and login with administrative credentials.
2. Enter the following in the **Command** box:

```
cli sslv3 set enable=yes
```
3. Click **OK**.
The web server restarts and will be available again within a minute.
4. Register one or more new **EDR agents** with the master console as usual.
5. After all new EDR agents have been registered, run the following **command** on the master console at **http://<servername_or_IP>/sadmin/debug.cgi** to disable SSLv3:

```
cli sslv3 set enable=no
```

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.

Downloads

GuardianOS 8.0.084 is available for download for supported SnapServer users with active software entitlement agreements from the Overland NAS support website:

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

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