

SnapScale RAINcloudOS Version 4.0.074 Release Announcement

March 2014

Preface

This Product Information Bulletin announces the release of RAINcloudOS version 4.0.074 for all SnapScale™ clusters.

Models Affected

RAINcloudOS Version 4.0.074 is supported as an upgrade for a SnapScale clusters running RAINcloudOS 3.3.023 or higher. This version replaces the released RAINcloudOS version 4.0.061.

Upgrade Considerations

All systems running RAINcloudOS 3.3.023 or higher can be upgraded to RAINcloudOS 4.0.074. It is recommended that a system backup be completed prior to performing the upgrade.

Downgrades are Not Supported

RAINcloudOS release downgrades are not supported.

RAINcloudOS 4.0.074 Changes and Enhancements

Minor bug fix update to the RAINcloudOS. No new features have been introduced in this release.

Previous RAINcloudOS 4.0 Changes and Enhancements

The SnapScale 4.0 release provides a significant upgrade to the RAINcloudOS. It has several significant new features along with a number of bug fixes. This software release supports both the X2 and X4 hardware platforms.

- **iSCSI Support** – ROS 4.0 now offers block level storage with support for iSCSI. iSCSI support in ROS has the capacity to serve up any iSCSI target from any node in the cluster. Each target will be served from only one node in the cluster with the target following the IP address of that node in case of failover. ROS iSCSI provides the following sub-features and compatibilities:
 - **iSNS Support** – ROS can register iSCSI targets with an iSNS server.
 - **MPIO** – Support for multiple access paths via the bonded interface on the node.
 - **COW Snapshots** – Snapshots can be dynamically created and deleted using VSS/VDS.

- **User and Group Quotas** – User and group quotas are supported in ROS as of the 4.0 release. We support a number of different types of quota restrictions including user and group limits on a per volume basis. Group quotas are only tracked and enforced for NIS groups. We also support a file count limit again on a per volume basis. The default quota is unlimited. A default quota can be defined for each volume for users, groups or file counts.
- **SMB 2.0 and 2.1** – As of ROS 4.0 the Samba protocol stack has been upgraded to support SMB 2.0 and 2.1.
- **SNMP** – ROS 4.0 now offers the same level of SNMP support as SnapServer, with support for the Host Resources MIB (RFC 2790) and MIB-II (RFC 1213).
- **FTP/FTPS support** – ROS now supports access to the cluster file system using the FTP protocol.
- **File System Data Striping** – This version of ROS distributes large files across multiple peer sets, which spreads the data evenly across multiple hard drives. Since large files no longer land on a single peer set (drive), ROS 4.0 has eliminated the previous file size limitation. Distributing file data across multiple hard drives removes the single hard drive speed limitation resulting in improved performance.

Downloads

RAINcloudOS 4.0.074 is available for download for supported SnapScale users with active software entitlement agreements. Go to the Overland Storage Customer Support Portal by navigating to the Manage Products page.

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

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