

This document describes changes, fixes, and known issues in SR/SRX CorOS version SR-6.0.0. For more information about the topics covered in these release notes or about updating the SR/SRX CorOS with the SR-6.0.0-R6.tarc file, see the *Coraid® EtherDrive® SR/SRX Administration Guide* or contact the Coraid Technical Assistance Center.

New Commands in SR-6.0.0

The following new commands were introduced in SR-6.0.0:

- `iomode`
- `model`
- `serial`
- `setiomode`
- `unlabel`
- `uptime`

Display or change the I/O access pattern of a LUN

You can issue the `iomode` command to display the access pattern optimization setting for a LUN. You can issue the `setiomode` command to change the access pattern optimization setting of the specified LUN to `sequential` or `random`.

Note: RAID 5 and RAID 6 LUNs are sequential by default and cannot be changed.

Display the series and model of an SR/SRX

You can issue the `model` command to display the SR/SRX appliance series. When issued from an SRX, `model` also displays the NIC interface-type designator.

Display the serial number of an SR/SRX

You can issue the `serial` command to display the serial number of the SR/SRX. The serial number is set by Coraid and is sometimes used by the Coraid Technical Assistance Center.

Display the SR/SRX uptime

You can issue the `uptime` command to display the length of time (in days, hours, minutes, and seconds) that the SR/SRX has been powered on.

Remove the label from a LUN

You can issue the `unlabel` command to remove the label (if any) from a LUN.

Changed Commands in SR-6.0.0

The following commands were changed in SR-6.0.0:

- **disks**—A **ROLE** column was added to the output of the **disks** command.
- **ifstat**—The **MTU** column was removed from the output of the **ifstat** command.
- **iostats**—The **MIN** column was removed from the output of the **iostats** command.
- **label**—The **label** command syntax now allows multiple LUNs to be labeled simultaneously.
- **jbod**—JBODs are now created with the **jbod** RAID type instead of **raidL**.

Please be aware of the following:

- If a JBOD is moved from a pre-SR-6.0.0 SR/SRX to an SR/SRX running CorOS version SR-6.0.0 or later, its RAID type is changed from **raidL** to **jbod** following a reboot of the appliance. (This assumes that the destination SR/SRX has the same shelf number as the SR/SRX from which the pre-SR-6.0.0 JBOD was removed. Otherwise, to change the RAID type of the JBOD from **raidL** to **jbod**, issue the **restore** command and restore the JBOD manually.)
- If a pre-SR-6.0.0 SR/SRX is upgraded to CorOS version SR-6.0.0 or later, the RAID type of its JBODs (if any) will be changed automatically from **raidL** to **jbod** following a reboot of the appliance.
- The **jbod** RAID type is not supported in SR/SRX appliances running CorOS versions earlier than SR-6.0.0.

Other Changes in SR-6.0.0

Performance enhancements

Improved random I/O performance for newly-created LUNs of type RAID 0, RAID 1, RAID 10 (most improvement), and JBOD when **iomode** is set to **random**.

Old and new LUN meta-data formats

To improve performance, the LUN meta-data format was changed in CorOS version SR-6.0.0. Installing a LUN created on an SR/SRX running an earlier CorOS version into an SR/SRX running SR-6.0.0 or later generates a warning message.

There is no performance penalty for choosing not to update the LUN to the new format, but to update the LUN without losing data, you must first copy the data off the old-format LUN, create a new LUN, and then copy the data to the new LUN.



Resolved Issues

Backspace works when issuing `remove` command via CEC connection

The backspace key now functions correctly when the `remove` command is issued via a CEC connection.

Environmental status available on new SR821 and SRX4200

- New SRX4200 appliances include a hardware modification that allows detailed power supply information to be displayed when the `power` command is issued.
- The power supply in new SR821 appliances allows system information to be displayed when the `fans` and `temp` commands are issued and power supply information to be displayed when the `power` command is issued.

Known Issues

Environmental status not available on legacy SR821 and SRX4200

- Issuing the `power` command from an SRX4200 appliance that lacks the hardware modification referenced above (see [Resolved Issues](#)) returns the message `No power supply is reporting failure`.
- Power supply temperature status and power supply fan status are not available when the `temp`, `fans`, and `power` commands are issued from SR821 appliances running CorOS SR-6.0.0.

Reverting SR/SRX to CorOS version earlier than SR-6.0.0

Due to the changed LUN meta-data format introduced in CorOS version SR-6.0.0 (see [Old and new LUN meta-data formats](#)), you must be aware of the following limitations before you revert an SR/SRX running SR-6.0.0 or later to a CorOS version earlier than SR-6.0.0:

- To preserve data on SR-6.0.0-or later LUNs, you must first copy the data off of the SR/SRX, revert the SR/SRX CorOS, create a new LUN on the reverted SR/SRX, and then copy the data to the new LUN.
- The `jbod` RAID type is not supported by CorOS versions earlier than SR-6.0.0.

CorOS SR-6.0.0 not compatible EtherDrive SAN Manager (ESM) 1.0.4

SR/SRX appliances running CorOS SR-6.0.0 or later are not compatible with the EtherDrive SAN Manager (ESM) versions 1.0.4 or earlier.



VSX customers only: enable maintenance mode on the VSX before updating the CorOS on the SR/SRX

If your configuration includes a VSX appliance, you should enable maintenance mode (**maintenancemode**) on the VSX prior to updating the CorOS on the SR/SRX. Maintenance mode increases the timeout interval on the VSX so that the SR/SRX has sufficient time to reboot during a CorOS update. For details, see the *Coraid EtherDrive VSX Administration Guide* and the *Coraid EtherDrive SR/SRX Administration Guide*.

Note: Make sure to disable maintenance mode on the VSX after updating the CorOS on the SR/SRX.

