

Release Notes

Ultrix

Ultricore BCS

Ultricore CC

**ROSS**

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## VERSION HISTORY

### VERSION 6.1.0 (AC4A270A) 10/03/24

#### EQUIPMENT

- ULTRIX-FR1/FR2 (including -NS)
- ULTRIX-FR5 (including -NS)
  - UCCI Upgrade Required? YES  NO
- ULTRIX-FR12
- ULTRICORE-CC
- ULTRICORE-BCS
- ULTRICORE-OE

#### FEATURES & ENHANCEMENTS

- General availability of the improved workflow for database configuration and updated user interface design. See release notes for v6.0.0 for complete details.
- Initial launch of Ultricore-Tally, a full-featured and versatile tally control and management solution. Ultricore-Tally is a licensed software feature that is installed on Ultricore-BCS either as a standalone solution or integrated with other Ultricore functionalities to deliver a rich control experience.
- Initial launch of a third input PiP Scaler for Ultriscape. This additional PiP is supported on the ULTRIX-HDX-IO and ULTRIX-MODX-IO blades.
- The following ULTRIX-IP and ULTRIX-IPX-IO enhancements are included:
  - NMOS IS-10 hostname and port can now be configured by the user.
  - NMOS IS-10 config page now has an option to define if BCP002 natural grouping should be used on the device.
  - Multicast and unicast configurations can now be saved and exported from DashBoard.
  - The default Timing Mode is now set to Frame Sync. Also, the Link Offset will only be available when selecting the Low Latency option.
  - Removes the NMOS management port from the list of external access points when a slot has gateways set to the media interfaces.
  - The sender/receiver sessions configuration workflow was streamlined.
- Enhancements for ULTRIX-IPX-IO:
  - NMOS IS-10 config page now includes support for ACME automated certificates exchange.
  - Level A/AX 1 ms audio packet are now supported.
  - Support for 100G QSFP28 Direct Attach Cable (DAC) is now available.
- ULTRIX-MODX-IO now provides an IO Module View in the DashBoard UI for configuring and monitoring MODX and its modules.
- ULTRIX-MODX-IO module SFP statistics are now provided to monitor MOD-SFP modules including voltage, temperature, wavelength, and vendor details.

- Added support for Role Based Access Control (RBAC) of devices (Ultrix or Ultrixcore) to manage who is allowed to open the user interface from a DashBoard client. Once RBAC is enabled, the device is locked and its nodes in the DashBoard Tree View are hidden. A user must then enter a password before access is granted to the device and its nodes are displayed in the tree view. (Note: RBAC works independently of but can be used in conjunction with user profiles.)
- The following user interface and database configuration workflow improvements are included:
  - Panel editor "assigned" list (level, dest, src) allows alphabet/database sorting.
  - Source/destination editor allows show/hide table columns.
  - Soft panel page automatically selects the first assigned alias set (if available).
  - Source/destination editor allows cell to autocomplete for channel assignment.
  - Push button soft panels scroll by fixed row instead of by individual items.
- Alias support for source and destination names when used with third-party protocols is now supported.
- Adds an emulated cross point matrix to the routing device page to simulate physical devices for training and testing.

## Bug Fixes

- UR-7518: Ultrix-IPX / Now compatible with 100G QSFP28 power classes 5 to 7.
- UR-7877: Ultrix-IP and Ultrix-IPX / Addressed an issue that could lead to the loss of RDS connection via DNS-SD.
- UR-8124: Ultrix-IP and Ultrix-IPX / Resolved an issue where the NMOS menu was not loading when selected.
- UR-8366: Ultrix-IP and Ultrix-IPX / For NMOS IS-10, IS-04 URL generation now correctly uses the hostname instead of the interface IP.
- UR-8670: Ultrix-IPX / Fixed a card to frame communication issue.
- UR-8779: Ultrix-IPX / Resolved an issue where the NMOS node stopped running.
- UR-8803: Ultrix / Addressed an issue where on rare occasions, an Ultrix router process crash could occur.

## APPLICATION NOTES

- Before upgrading to v6.1.0,
  - It is **STRONGLY** recommended to export a copy of the current system database.
  - Before upgrading to v6.x from previous versions, verify whether the Ultrix connection name in the Outgoing Connections section (refers to Connections page) is different from the Ultrix frame's name. If it is, rename the connection's name to match with the existing Ultrix frame name.
  - If the router was upgraded to v6.x and the user imported a v5.x database, check the Ultrix > Database > Configuration > Routing Devices page and fill any missing settings (e.g. the IP address may have defaulted to 0.0.0.0)
  - Upgrading a redundant Ultrixcore-BCS system to 6.1.0 from a version prior to 6.x requires that the system be decoupled prior to upgrade. For redundant systems previously upgraded to 6.x, the standby system must be upgraded first.

- After an upgrade from 5.6, active ULTRIPROC-3DLUT channels might not preserve colorimetry/transfer function settings for the LUT. Switching the LUT selection to none waiting 3 second and reselecting the LUT will permanently solve the problem.
- On first upgrade to v5.1.0 or newer, users must re-enable previously used external protocol servers (Services Setting).
- As of v5.2.0, the default SNMP community name for factory installation has been updated to *ultrixcore* from the less secure *public*. For stronger security, it is strongly recommended that users set their own community string.
- Ultrix SW Compatibility with SWR-SDPE blades.
  - Ultrix Carbonite v9.0.0
  - Ultrix Acuity v14.0b
- On ULTRIX-FR5, the cooling fans can remain at 100% even at lower temperatures. This will be fixed in an upcoming release.
- DashBoard v9.10.0 is required for the best user experience.
- Starting in v4.8.X, the upgrades should be done in the following order:
  - Upgrade Frame -- **DO NOT Reboot** when prompted by DashBoard after frame update.
  - Upgrade all cards (including switcher cards) -- **DO NOT Reboot** when prompted by DashBoard in between card updates.
  - After both FRAME and ALL CARDS have been successfully updated, power-cycle the frame.
- In the rare occurrence of a failed card upgrade, the user should power-cycle the Ultrix and perform the upgrade again.
- To upgrade from versions prior to 4.0.0, contact Ross Technical Support for assistance.