GENERAL RELEASE NOTES
Welcome to the Ultrix, Ultricore-CC, and Ultricore-BCS Release Notes. Please read this document to find important information on areas that may not be covered in the user documentation.

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VERSION HISTORY

VERSION 4.8.2 (5AC0F9FB) 09/30/22

EQUIPMENT
- ULTRIX-FR1, ULTRIX-FR2 (Legacy)
- ULTRIX-NS-FR1, ULTRIX-NS-FR2
- ULTRIX-FR5
  - UCCI Upgrade Required? YES ☐ NO ☒
- ULTRICORE
- ULTRICORE-BCS
- ULTRICORE-OE

FEATURES & ENHANCEMENTS
- Maintenance Release and bug fixes.
- Additional Configuration options for Probel SWP-08 Protocol support
- Updated driver module to address issues with missing switcher outputs

BUG FIXES
- UR-1047: Inconsistent Behavior with Third Party Matrix Control after BCS Failovers
- UR-2066: Incoming connections list shows error message when single local Dashboard connection
- UR-2279: Ultritouch PB panels improperly displayed when sources assigned to drawer
- UR-2320: Frame UI - network settings Ultricore mode value not updating for FR5 frames
- UR-2345: Destinations using Tielines table not showing routed source in source column
- UR-2374: Heartbeat module check not working
- UR-2378: IP audio streams update from Dashboard is sending invalid channel list
- UR-2394: Database changes can cause loss of routing
- UR-2401: Category-based level selection broken in Group Category panels
- UR-2403: Change registry version text field to use radio buttons or dropdown
- UR-2408: [Ultrix-ip] RDS registration fails to process device update request
- UR-2414: [Ultrix-ip] Flex UI navigation does not behave on the same way as other slots
- UR-2423: [Ultrix-ip] DHCP when a new IP is detected with receivers enable, avmgr crashes

APPLICATION NOTES
- Starting in V4.8.X, IO modules (HDX-IO and IP-IO) are no longer included within the frame upgrade files. The frame and IO modules must be upgraded independent of each other. To upgrade:
  - 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, Reboot frame
Power cycle the frame after all loads are complete.

- SWR-SDPE blades require a FW upgrade to v7.0 Carbonite or v11.1 Acuity to be compatible with Ultrix version 4.8.x
- Low Latency – A known issues (UR-2136) exist with the Low Latency feature in 4.8.x.
- Subscriptions require Dashboard version 9.2 or higher to leverage optimization advantages.
- When performing a recovery of the HDX, due to the inconsistent performance of USB sticks it is recommended to use a Verbatim Clip-it USB 2.0 stick for size and consistent communication.
- Ultrix systems must be running on SW version 3.42 or higher to upgrade to version 4.x.x. Systems operating on versions prior to 3.42 must perform an interim upgrade to 3.42 before fully upgrading to 4.x.x.
- Ultrix-FR5 Upgrades:
  - Users upgrading from version prior to 4.1.0 may be prompted by DashBoard to reboot multiple times (6-8 times) to process all updates. This is normal and expected behavior for this update.*
  - **Caution**: When powering cycling the frame, users must wait approx. 15 seconds before repowering to allow the frame time to completely power down and reset.
- Ultrix-UCCI Card Support* Users with older UCCI Control Cards (cards loaded with a version prior to 4.1.0 must upgrade the UCCI card first before upgrading the Ultrix-FR5 frame.
  - See Ultrix-FR5 UCC 4v10 Upgrade Procedure Application Note for instructions.
  - Dual/Redundant UCCI Cards must be upgraded one at a time. Only one UCCI card should be connected to the frame during the upgrade.