



Product Release Notes

CheetahXD™ 3.1.0.11



GENERAL DESCRIPTION

This document describes the new features, changes, enhancements and the significant bug fixes that have been implemented in the CheetahXD™ 3.1 release (3.1.0.11) of the product.

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CheetahXD™ 3.1.0.11

OVERVIEW

The CheetahXD 3.1.0.11 release is an interim release which introduces:

- the N2U-OA300 Laser Amplifier Device into the software
- firmware download capabilities for additional GX2 modules – GX2-RX200Bx4, GX2-OA100B20 and GX2-OA100B18
- the ability to see, through Data Display, firmware versions for HMS transponder firmware banks.

CheetahXD version 3.1.0.11 is available as a new install or as an upgrade from previous CheetahXD versions (see next section for minimum version requirements on upgrades). If an upgrade is being performed, your existing database, user accounts and any licenses present shall be migrated automatically. The details for upgrades from previous CheetahXD versions as well as installation of a new CheetahXD system can be found in the “CheetahXD Broadband Assurance Platform Installation Guide” (Doc: 050-0096).

Customers who are currently running CheetahXD v3.1.0.7 do not need to upgrade to v3.1.0.11. Any customer installing CheetahXD for the first time should install this release.

IMPORTANT NOTE:

CheetahXD 3.1 uses the Java Runtime environment (JRE) v1.6.0_b14. See section 6, Upgrading the Java Runtime Environment (JRE) on Clients, in the Installation Guide to get your CheetahXD client machines compatible with the server.

For upgrade from previous CheetahXD versions: Prior to upgrading to 3.1, it is recommended that your system is at version 2.4 or higher.

SOFTWARE OPERATING SYSTEM PLATFORMS AND INSTALLATION INSTRUCTIONS

For a list of supported operating systems and hardware platforms, please refer to Chapter 1 of the CheetahXD Installation Guide (Doc: 050-0096). Additional information regarding new installations or upgrade instructions for your platform is also found in this guide. System Testing for CheetahXD version 3.1 has been performed on the following platforms:


- Server OS - Windows 2003 SP1 & 2, SUN Solaris 10, SUN Solaris 9
- Client OS – Windows XP and Windows Vista
- Supported Browsers – Internet Explorer 7.x and Mozilla 3.x

NEW FEATURES

Motorola N2U-OA300 Laser Amplifier Device Integration

The N2U-OA300 is a rack mounted (1RU) Laser Amplifier device that functions as other devices within CheetahXD. The device can:


- be Auto Discovered and displayed in Tree Views
- generates Traps displayed in Notifier
- send traps to multiple locations

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- run Scheduled Measurements
- utilize Data Display

The N2U-OA300 deviates from standard CheetahXD processing conventions in the following:

- Each individual threshold has been mapped to separate “on/off digital state” attributes rather than mapping all 4 thresholds to the “analog measurement” attribute. Data Display will show the proper color for the analog measurements on the “analog” tab and all associated digital state attributes will be displayed on the “multi” tab, with the correct color. Notifier will show alarms associated with the digital state attributes, not the analog measurement attribute.
- “measurementOffAlarmLevel” threshold violations do not generate a trap. The “measurementOffAlarmLevel” traps only get generated when the specific measurement is physically turned “off”, but not when the threshold value associated with that level has been violated. Data Display will show a major violation color if the level dips below this level but there may not be an associated Notifier trap if the measurement was not turned “off”.
- Testing has found occasional N2U-OA300 SNMP Agent lock-ups. This is a condition of the N2U-OA300 device. When this happens it requires a power cycle of the N2U-OA300 to clear it.
- When sending control commands to the N2U-OA300 there may be no response sent from the device acknowledging the command. This is particularly noticeable when sending a “reset” as it is initially unclear as to whether the command was successful. If successful the device will return to communication within a few minutes.
- Users have the ability to remotely toggle the Lasers to the off position through Data Display. This action requires a reset of the Key Switch which must be done from the N2U device itself and cannot be done remotely.
- Status Polling “off” (Maintenance Mode On) does not disable traps in the device.

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ENHANCEMENTS

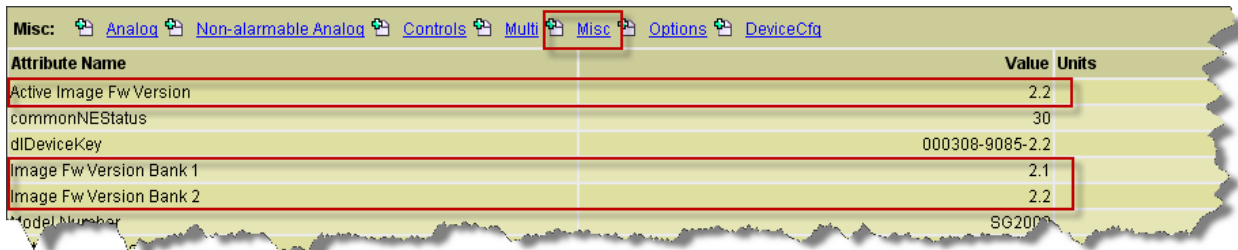
GX2 Modules for Firmware Download

Three additional modules now utilize the GX2 Firmware Download capability

- GX2-RX200Bx4
- GX2-OA100B20
- GX2-OA100B18

HMS Transponders and Firmware Bank Information

Utilizing the Misc Tab with the Data Display application, users can now see what versions of firmware are associated with each firmware bank of a HMS Transponder.



Attribute Name	Value	Units
Active Image Fw Version	2.2	
commonNEStatus	30	
dlDeviceKey	000308-9085-2.2	
Image Fw Version Bank 1	2.1	
Image Fw Version Bank 2	2.2	
Model Number	SG200	

DOCUMENTATION AND ONLINE HELP

The CheetahXD 3.1 Users Guide is available on the www.cheetahtech.com website and can be accessed via the Help Tab within the CheetahXD GUI.

TECHNICAL SUPPORT


For questions, contact Cheetah Support at:

1-866-944-1482

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www.cheetahtech.com

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