

CHEETAH
TECHNOLOGIES
PRODUCT RELEASE NOTES

CheetahXD v2.4

Release Notes

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GENERAL DESCRIPTION

This document briefly describes the new features, changes, enhancements and the major bug fixes that have been implemented in CheetahXD™ 2.4 release (2.4.0.18) of the product.

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OVERVIEW

In continuation with the improvements made in version 2.3 of CheetahXD, several new user productivity enhancing applications have been introduced along with making improvements to the product that further enhance the user experience. Version 2.4 of the product also addresses some of the outstanding issues from the previous version and implements many enhancement requests.

CheetahXD version 2.4 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 created and any licenses present shall be migrated automatically. The details for both - upgrades from previous CheetahXD versions as well as installation of a new CheetahXD system can be found in the installation guide "CheetahXD Broadband Assurance Platform Installation Guide" (P/N: 050-0096)

IMPORTANT NOTE:

All CheetahXD client machines will require setup of the java memory heap size configuration for running the Applet based applications. Please refer to section 3.8 in the user guide (Configuring Client Machines for Applet Execution) for additional information on this.

For upgrade from previous CheetahXD versions:

Prior to upgrading to v2.4, ensure that your system is running or has been upgraded to version 2.3 build xx (2.3.0.xx) 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 (P/N 050-0096). Additional information regarding new installations or upgrade instructions for your platform is also found in this guide. System Testing for CheetahXD version 2.4 has been performed on the following platforms -

- Server OS - Windows 2003 SP1 & 2, SUN Solaris 9, SUN Solaris 10
- Client OS - Windows XP and Windows Vista
- Supported Browsers - IE 6.1 , IE 7, Mozilla 1.5, 2, and 3

NEW FEATURES AND ENHANCEMENTS**Support for CMD-EL Devices**

An optional module that provides the same functionality in CheetahXD as found in the CheetahLynx controller has been added to this release. The module supports discovery and provisioning of the Cheetah Technologies CMD-EL end of line device. All RF Level measurements, scheduling, and automated FCC Proof testing available through the CheetahLynx Controller are now supported in the optional CheetahXD 2.4 module. See CheetahLynx documentation for a full description of the features available.

Support for Monitoring and Control of Motorola GX2 Headend Equipment

This feature allows the user to utilize all existing CheetahXD applications (Tree Viewer, Notifier, Template Admin, etc) for the Motorola GX2 equipment as well as

provide a generic ability to communicate with the devices via SNMP, including reading from and writing data to the devices when possible. Custom Auto-Discovery and Trap Filters will be developed to utilize basic device modeling and alarming capabilities of the devices into the system.

Supported GX2 Modules

Module Name	Model Name	Firmware Rev
Control Module for GX2 Chassis	GX2-CM100B-R	P
Power Supply for GX2 - both AC and DC versions	GX2-PSAC10D / GX2-PSDC10D	H
1310 nm Optical Transmitter	GX2-LM1000B	E
1310 nm Optical Transmitter	GX2-LM1000E	C
Dual Optical Receiver	GX2-RX200BX2	G
Quad Optical Receiver	GX2-RX200BX4	B
Return Path RF Switch	GX2-RSW200B	E
1310 nm Optical Transmitter	GX2-LC1000E	E

Support of Generic I/O on CMD-P+ Devices

This feature provides the user with a means of configuring attribute names and parameters for the Generic IO MIB points on a CMD-P+ Power Supply Transponder to support up to 6 Analog inputs, 3 Digital inputs, and 3 Digital controls. This feature allows a user to configure the following parameters for the Generic IO MIB points.

Analog parameters (6):

- Allow the operator to define a display name for the parameter.
- Allow the operator to define the scaling and decimal adjust
- Allow the operator to define the units for the analog parameters.

Digital input parameters and Digital Controls (3 each).

- Allow the operator to define a display name for the parameter.
- Allow for the association of a Digital State name for each of the potential values returned for this parameter.
- Allow the operator to define the units for the digital parameters.

Notifier Audible Alarms

Notifier has been enhanced to include integrated sound capabilities where by alert severities can be assigned sounds (wav or au or synthesized) that will be played when the associated severity is processed and displayed in the active alert view.

The sound files are stored on the server and controlled by the site administrator. The site administrator can enable / disable sound processing via an xml configuration file. Sound files are NOT loaded from the client machines.

Each user will configure their sound definitions via a sound dialog in the Notifier application which is stored within the database.

Transponder and Power Supply Reporting

Report generation is now front ended by a filtering xhtml page allowing the customer to select the devices they wish to report on. The filtering mechanism provides a means of filtering by device display name using wild carding (prefix, infix, postfix).

Two report variations are available for each report type: a single device per page report, and a device listing report with multiple devices per page.

Notifier Dashboard View

The dashboard view is an embedded view within the Notifier application. It can provide summary and analytical graphs of alerts and events within the system. The following features are supported:

- Multiple Pareto charts supporting multiple drill down groupings.
- Alert severity and device category bar charts.
- Time series charts covering hourly and daily alerts.
- Thumb nail summary of all defined domains.
- Detailed charts filtered by selected thumb nail domain.
- Full screen Pareto charts with varying data point detail selectable by the customer.
- Ability to select active alerts or events as the source of chart input.

Support for SUN Solaris OS and Oracle Releases

Support for Solaris 10 and Oracle 10g v2 have been implemented in CheetahXD 2.4. Net New installations can be performed directly on these platforms. Upgrades from previous versions can be accomplished. Contact Cheetah Technologies Support for upgrade instructions.

Miscellaneous Enhancements

Improvements to the Poll Cycle through configuration have been implemented in this release.

Documentation and Online Help

Both the user guide and install guide for version 2.4 have gone through significant changes and updates. As the user guide is fairly large (approximately 12 MB) it is recommended that that this document be stored on the client machine after the initial launch to reduce future network traffic and wait times. A separate link is also been added to the CheetahXD help web page that allows an operator to retrieve the latest version of the document that is released.

RESOLVED ISSUES IN CHEETAHXD V2.4

The following issues are resolved in this release of CheetahXD software (v2.4).

PTR Severity Description

PTR	Severity	Description
6868	Enh	Included the Display Name of the Gateway Parent on the Selected Devices listing
7383	Enh	Added native XD CN Data Display menu option in Notifier
7446	Enh	Removed Calculated Standby Remaining value when system is not licensed for POM
8311	Enh	Added support the additional SG4000 modules
8371	Enh	Added 28 days as a "Run Test Every" value
8404	Enh	Add an option to Battery Analyst Report where the String Variance triggers a failure
9007	Enh	Provided for the logfiles to be sorted on admin page
9077	Enh	Added ability to set Analog Priorities on GX2 and Laser Link modules as 5/7/7/5 like the rest of the devices
9104	Enh	Placed Titles on printouts of Dashboard reports
9135	Enh	Eliminated intermediate page launch when launching CheetahNet DataDisplay
8369	Major	Addressed an issue with intermittent applet startup failures when Firewall or Nat/Firewall is in use
8697	Major	Corrected issue with Filter by Region option in Notifier
9040	Major	Corrected reported Reports issues with additional reporting in XD 2.4
9094	Major	Changed the default settings in NMSProcessBE.conf and threads.conf for Polling enhancement
6772	Minor	Included the <RpsAddr >Tag in the sample inside the vHecConf.xml file
7044	Minor	Corrected an issue where the Notifier client side callback was missing alert updates
7223	Minor	Eliminated the Cursor changing from Arrow to "Insert" when rolling across Browse/
7235	Minor	Allowed cloning a clone template
7277	Minor	Corrected an intermittent issue where an alert was generated where the source name was a default template
7511	Minor	When Launching embedded alerts, fixed an issue where Notifier could freeze at times
9126	Minor	Clone created before upgrade could not be cloned was corrected
6485	Normal	Control mode alarms not processed
6892	Normal	Saved Layouts not displaying the correct saved filters on Tabs
7466	Normal	Schedule Status changes to 10 when XD is stopped while Schedule is running
7488	Normal	Limited the number of characters allowed to "4" in the Re enable In Minutes fields
7810	Normal	Enhanced accuracy of "Time Remaining on Batteries"
7948	Normal	Made more clear what Failed Test states represent in a BA Report
7958	Normal	Improved re-discovery of transponders after IP changes
7968	Normal	Corrected the End Time displayed for Battery Analyst Result
7978	Normal	Implemented Notifier dashboard feature for CheetahXD V2.4
8000	Normal	Suppressed duplication of Unit timeout alerts in CXD for HMS devices
8111	Normal	System no longer allows you to create users without passwords

8142	Normal	Implement prompt to create a new password when user password expires
8343	Normal	Customized UserField1 heading in English
8357	Normal	CheetahXDConfigurator no longer errors when available memory > 4 Gb
8425	Normal	End Event ID of 99,999,999 in the Alert Filter set to a higher value by default
8457	Normal	Updated the EnglishToNative.properties file with the latest Modifiers/Descriptions of Integrated transponders
8470	Normal	Corrected Hitron Power Supply transponders Max Discharge Variable
8478	Normal	Corrected CXD.mi errors within its definition- moEnrolNotification, moDeenrolNotification & moAttrChangeNotification:
8517	Normal	Bad device list in HEC no longer causes discovery of VHEC to stop
8523	Normal	Improved BPS device addition into XD
8535	Normal	Bulk Task Completion status now displays proper value on failures
8538	Normal	Corrected identification of power supply data when viewing results via CSV
8669	Normal	Set <engUnitsDesc> for BatteryVDC1 of template 7106 to VDC
8949	Normal	Initial release of Motorola GX2 Headend Integrations
8950	Normal	Fixed Active Alert Report CSV export
8997	Normal	Tooltips now working correctly in treeApplet
9004	Normal	Implemented audible alerts in Notifier
9020	Normal	Corrected issue where command line data display was not functioning
9024	Normal	Added transponder firmware and power supply testable reports
9049	Normal	Eliminated warning dialog box when adding a generic I/O
9052	Normal	Eliminated error generated when a download is attempted
9060	Normal	Integrated AdventNet Code to support terminating client sessions

OUTSTANDING ISSUES IN CHEETAHXD V2.4

CMD-EL Firmware versions – for the CMD-EL devices, the firmware version does not print in the Firmware Report.

POM Calculation Interval – When increasing the POM calculation interval, the software still reports the first calculation after 10 intervals. This could result in the first calculations being delayed beyond the default 10 minutes.

TECHNICAL SUPPORT

For questions, contact the Cheetah Technologies Technical Support Center at:

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