



# CheetahXD and CheetahLynx Version 5.2.0 Patch (5.2.1) Release Notes

**New Features and Enhancements**  
12/05/2014

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### REVISION HISTORY

Date	Revision	History Log
12/05/2014	A	Document Created

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## 1 Overview

After the release of CheetahXD and CheetahLynx version 5.2.0.28 some enhancements and bug fixes were completed. Instead of waiting until the next release of CheetahXD, to make these changes available, a patch has been developed to integrate these enhancements and bug fixes into current CheetahXD and CheetahLynx version 5.2.0.28 installations. If an installation is not currently at version 5.2.0.28 and the enhancements and fixes within this patch are desired, it can be applied after the completion of a CheetahXD or CheetahLynx version 5.2.0.28 installation.

CheetahXD 5.2 is used in conjunction with Cheetah software modules and controllers including CheetahXD Battery Analyst, CheetahXD Power Outage Module, CheetahXD SNMP Manager, CheetahXD vHEC Module, and CheetahLynx controller. CheetahXD 5.2 is able to interface with the DOCSIS 2.0-compliant transponders and HMS-compliant transponders used in a typical HFC network. CheetahXD application software typically monitors optical transmission systems, power supplies, third-party transponders and Cheetah Network Tracker / Network Tracker Plus (aka CMD-EL and CMD-EL+).

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**NOTE:** There is no 5.2 release for the vHEC software. If the vHEC software needs to be installed, version 5.0.0.17 should be used.

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Although there is a CheetahLynx 5.2 release, the CheetahLynx upgrade is not a requirement. The key benefit to upgrading CheetahLynx 5.0 to 5.2 is the migration to and use of the Oracle12 database, a 64-bit architecture which will enhance the performance of the software.

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**NOTE:** Updating to CheetahLynx 5.2 may require a possible hardware change and/or operating system upgrade.

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A request must be placed for customers that want the latest database for their CheetahLynx management system. Cheetah highly recommends any upgrade process be reviewed with and supported by a Cheetah Customer Support Engineer. Customers wishing to discuss this upgrade should contact the Cheetah Support team at 1-866-944-1482 or [cheetahsupport@alpha.com](mailto:cheetahsupport@alpha.com).

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**NOTE:** CheetahLynx 5.2 media is only available upon request.

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## 2 Terms and Conditions

CheetahXD 5.2 is available to any customer who has purchased a CheetahXD application software product after the release date of June 30, 2014. CheetahXD 5.2 is available to any customer who has purchased a CheetahXD application, and has a current Cheetah Annual Software License. Should you not be eligible for CheetahXD 5.2, through one of the two prescribed transactions, please contact Cheetah Sales ([sales@alpha.com](mailto:sales@alpha.com)) for more information on how to take advantage of this release.



### 3 Feature Enhancements

The following feature enhancements are included in the CheetahXD 5.2.0 patch (5.2.1) release:

- *Changes to the Data Display Gauges and Trend Charts*
  - Previously the Data Display Gauges and Trend Charts were implemented using java applets, this is no longer the case. Javascript is now utilized for the Data Display Gauges and Trend Charts. For CheetahLynx this only applies to the “Data Display” drop down menu item accessed from the tree. All other Network Tracker and Network Tracker Plus data displays are unchanged.
- *Changed the naming scheme for some SG4000 modules to represent the slot rather than the MIB index (CheetahXD only)*
  - This was done to eliminate confusion with the module indexing value appended to various modules to uniquely identify them. When the Arris Optical Amplifiers, Optical Switch, SG4-DRT-2X-85, and SG4-RET-RX-2X were discovered by CheetahXD, the SNMP index was appended to the module as a unique identifier, which does not reflect the node slot position. To eliminate confusion about the SNMP indexing and the slot positioning for these modules the value now appended will be the slot position within the node.
- *Filtered out Topology Status Update alarms from JMXAgent trap forwarding*
  - Previously Topology Status Update traps were sent by the JMXAgent. A change was made so these Status Update traps are no longer sent.

### 4 Cheetah Technical and Maintenance Enhancements

ID	Component	Summary
<a href="#">1088</a>	JMX Agent	Not seeing major and minor alerts and clears get dropped from JMX agent
<a href="#">1117</a>	Device Inventory	The sg4DigRetTrans2x85Wavelength is not displayed for the SG4000 ( <i>CheetahXD only</i> )
<a href="#">1119</a>	Notifier	After a 5.2 upgrade the Priority is displayed as 0 in Notifier
<a href="#">1122</a>	Device Inventory	Fiber_Node_Optical_Amplifier_Laser_ is not discovered for new Arris EDFA ( <i>CheetahXD only</i> )

### 5 Documentation Changes

After the release of *CheetahXD Installation and Upgrade Guide Rev S* (Document # 050-0096) it was discovered the incorrect information was displayed in the Memory Allocation table. This table is located after Step 10 in Section 3.2.1 *Continuing with Installing the CheetahXD Application on a Solaris Machine*.



This Information has been corrected and the new revision of the document (Rev T) has been posted to the *Support & Downloads* section of the Cheetah website (<http://cheetahtech.com>). The corrected information is also displayed in the following table.

Total Machine Memory	CheetahXD Memory Setting (MB)	PGA Setting (MB)	SGA Setting (MB)
8GB	4096	512	1536
10GB	4096	1024	3072
12GB	5120	1024	3072
14GB and greater	6144	1536	4608

## 6 Devices Supported

Cheetah Supports	Nodes	Embedded	External
<b>Arris</b>	Opti Max OM4100, Opti Max OM2700, Trans Max TM4100	X	
<b>Cisco</b>	GS7000 Node, GS7000 Optical Hub	X	
	6940, 6942, 6944	X	
	Prisma II XD		
	Prisma II P2-HD-LN-RXR module		
	Prisma II P2-HD-RXR module		
	Prisma II P2-HD-Tx module		
<b>Harmonic</b>	HLN 3144	X	
	HLN 3844	X	
	HLN 3142, HLN 3124E	X	
	HLN 3842, HLN 3842E	X	
<b>Motorola (Arris)</b>	SG4000, SG4000 Optical Hub	X	
	MBN 100, MBN 200	X	
	BTN 100, BTN 2000	X	
	MBV3-100 Amplifiers	X	
	MPN100, VSN200	X	
	OmniStar GX2		

Cheetah Supports	Power Supplies	Internal	External	# of Batteries/Strings	Generator Support
<b>Alpha</b>	XM2, XM2 HP	X		3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4, 1 or 2 strings of 6-6-volt batteries	Digital
	XM3	X		3/1, 3/2, 3/3, 3/4, 1 or 2 strings of 6-6-volt batteries (limited because XM3 only supports 3 batteries per string)	Digital
	XM with USM 2.0, XM2 with USM 2.5		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4, 1 or 2 strings of 6-6-volt batteries	Analog



Cheetah Supports	Power Supplies	Internal	External	# of Batteries/Strings	Generator Support
	XM2 with EDSM		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4, 1 or 2 strings of 6-6-volt batteries	Analog or Digital
	XM2 300 HP	X		1/1	None
	GMX	X		3/1, 3/2	None
	VMX	X		3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	None
<b>APC</b>	TSP, SM5, SM7 Interface		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog or Digital
<b>Generic</b>	HMS		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog or Digital
<b>PowerTronics</b>	Citation II		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog
<b>Multilink</b>	Blackhawk	X		3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Digital
	Littlehawk	X		3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Digital
<b>Myers Power Products, Inc.</b>	CTSP-SM5-1		X	3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog or Digital
<b>Lectro</b>	ZTT		X	2/1, 2/2, 2/3, 2/4, 3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog
	ZTT+		X	2/1, 2/2, 2/3, 2/4, 3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4	Analog
	CPR		X	3/1, 3/2, 4/1, 4/2	Analog
<b>Unitywave</b>			X	No individual battery analysis	Analog

## 7 Software Architecture Upgrade

CheetahXD 5.0 and previous versions of CheetahXD have been developed with a 32-bit software architecture. CheetahXD release 5.2 and beyond will only be developed for 64-bit systems.