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11/6/2017

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iView² Webserver Release Notes

The following is a list of the software releases for the Webserver version of iView².

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iView² is an Element Management System (EMS) for SNMP-based configuration and management of B+B SmartWorx chassis and module products. It is designed as a web-based application, with the main program functionality residing on a web server, and all user access through a web browser.

iView² is a Java-based servlet application and requires a Java servlet container application such as Apache/Tomcat to be installed on the web server.

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iView² will store program information in a database and requires a relational database management system such as MySQL to be installed on the web server.

iView² supports the following browsers: Microsoft Internet Explorer, Mozilla Firefox and Chrome browsers.

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The iView² Installation Instructions document is included with the iView² installation files, and includes information on getting iView² to work with Apache/Tomcat and MySQL. It is an executable file, available as a free download on www.advantech-bb.com

iView² version, copyright 2002 - 2017, Advantech B+B SmartWorx
(formally B&B Electronics)

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Release Summary:

November 2017

Version - 5.6 (Build 0005)

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Changes for iView version 5.6 build 0005:

- Fixed Trap Manager where Community String could not be modified
- Fixed Trap Manager error where changing Segment did not display devices
- Fixed display error for IE-iMcV-2xLIM module gui
- Fixed display error for iMcV-LIM module gui
- Added support for Power Supply Identification in iMediaChassis 3/6/20
- Added support for Power Supply Inventory Report in Tools menu
- Added support for Database Check Report in Tools menu
- Added support for LinkUp/LinkDown Trap Filtering
- Added "Part Number" column to Inventory Report
- Added Branch/Leaf option from IE-MultiWay Port configuration
- Added DNS support to Trap Forwarding
- Added support for CE304 and CE7028 devices.
- Modified IE-MultiWay configuration screens look and feel
- Modified iMcV-MiniFiberLinX-II standalone configuration screens look and feel
- Removed L2TP option from IE-MultiWay VLAN configuration
- Removed Branch/Leaf option from IE-MultiWay Port configuration
- Added support for IE-iMcV-MultiWay in iMediaChassis 3/6/20.

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April 2017

Version - 5.5 (Build 0002)

5.5.02 - Modified iMcV-Giga-FiberLinX-III solution to include remote VLAN settings

- Updates to iMediaChassis 3/6/20 help manual
- Updates to SNMP Management Module help manual
- Added "MCIMC_MIBS_0617_R1.MIB" mib file for SFP Fiber modules.

NOTE: The modifications for the iMcV-Giga-FiberLinX-III VLAN will now allow a customer to set the "Accept Tagged Frames" option on the remote from the host, as requested by the original customer.

iView will display an error when the SNMP times out, but the remote value is correctly set through the host. The reason this occurs is due to a timeout in the firmware, caused by the amount of time it takes the remote to update the internal database.

The following help file were changed:

"50-10954-01-A2_iMediaChassisSeries_1417m.pdf" replaces "iMediaChassis3_6_20 manual web_2014.pdf"

"SNMP_Mgmt_web_m_1017.pdf" replaces "SNMP_Management_Module_R1_0514m.pdf"

Added the following mib file to the iView installation process:

"MCIMC_MIBS_0617_R1.MIB" - This MIB holds objects related to "Small Formfactor Pluggable" (SFP) Fiber modules

5.5.01 - Added support for EKI-5525S-SC switch device

- Added support for EKI-5525S-ST switch device
- Added support for EKI-5525M-SC switch device
- Added support for EKI-5525M-ST switch device
- Added support for EKI-5524SS-SC switch device
- Added support for EKI-5524SS-ST switch device
- Added support for EKI-5524MM-SC switch device
- Added support for EKI-5524MM-ST switch device
- Added support for EKI-5725 switch device
- Added support for EKI-5525 switch device
- Added support for EKI-5528 switch device
- Added support for EKI-5526 switch device
- Added support for EKI-5728 switch device
- Added support for EKI-5729F switch device
- Added support for EKI-5726 switch device
- Added support for EKI-5726F switch device
- Added support for EKI-5629C switch device
- Added support for EKI-5626C switch device

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Other changes:

1) In some new installations, the log files would show that the Quartz Upgrade processor was not able to talk with the database. Once the system was rebooted or the Apache Tomcat service was cycled, the problem went away.

The Quartz Upgrade processor thread starts when Apache Tomcat starts whereas all the other database functionality of iView is not started until the user makes a request.

During the iView installation, after the Apache Tomcat service is installed, it unpacks the iView web archive file (WAR) and runs it.

Unfortunately, the MySQL database application is not installed until AFTER the Apache Tomcat service, so once the iView WAR is unpacked it starts to run, and since the MySQL database is not installed, the Quartz Upgrade processor thread cannot communicate with the iView database.

If the user's system is rebooted or the Apache Tomcat service is cycled, the problem will go away because the Quartz Upgrade process thread will restart.

To resolve the issue, 2 new functions were created (lockIViewFromExtraction and unLockIViewForExtraction) and added to the installation rules processor.

When the iView WAR is copied to the customer's server device, lockIViewFromExtraction will rename the iView WAR so that the Apache Tomcat service does not recognize it.

When the MySQL installation process is complete, unLockIViewForExtraction renames the iView WAR so that the Apache Tomcat service does recognize it.

2) Some questions were raised about supporting eWorx and EKI Switches through the "Edit Device" and "Trap Manager" top level menu selections. Those features were added at a much earlier time when all our managed fiber devices shared a common interface and could be served through a common dialog. Unfortunately, the eWorx and EKI devices do not share a common interface and what they do have is totally different from the [IMC] devices. Originally a note was included in the "Getting Started" guide, but given the addition of more devices (eWorx and EKI), we needed to improve the user experience. So iView² has been modified, so that if the user selects "Edit Device" or "Trap Manager" and they select an eWorx or EKI device, a message is displayed at the bottom of the respective dialog with a link that will open the specific device for configuration access.

If the user clicks the "iView² Network Segment List" text, it will open the configuration pages for that eWorx or EKI device.

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Edit Device

Segment: Test

Device: EKI-5526-172.24.50.102

MIB II sysName: EKI-5526

Description:

MAC Address: 00:D0:C9:F5:3B:6E

IP Address: 172.24.50.102

Get Community: public

Set Community: public

PROM Version: 1.03

Cancel

Results: Please configure this device directly from the [iView Network Segment List](#)

Trap Manager

Segment: Test

Devices: EKI-5526-172.24.50.102

Listening Enabled: ☐

Listening Disabled: ☒

Community String: not applicable

Username: not applicable (iConfig User Name)

Password: (iConfig Password)

Traps:

Cold Start

Warm Start

Link Down

Link Up

Authentication Failure

Enterprise Specific

Trap Forwarding Settings

Forward Traps: ☐

Forward IP Address:

Forward Community:

Apply Selections

Cancel

Results: Please configure this device directly from the [iView Network Segment List](#)

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3) Every time iView² displays the login page, it checks to see if there are any upgrade changes to the database. (Originally coded it this way, in case we needed to push database changes to the iView² application post-installation.)

As iView² has progressed, the number of upgrade database changes take some time to process and the customer sees the “please wait” displayed on the login page longer and longer. The database has been moved, so that the changes check to only invoke a) when the user system is rebooted, b) when Apache Tomcat starts, or c) when iView is upgraded. This speeds up the login page display, so the user does not have to see the “please wait” message displayed while the database is upgraded.

October 2016 iView² SNMP Management Application

Version - 5.4 (Build 0002) 5.4.02

- Added support for SEG510-2SFP-T switch device

October 2016 iView² SNMP Management Application

Version - 5.4 (Build 0001) 5.4.01 -

- Added support for EKI-7710E-2C switch device
- Added support for EKI-7710E-2CI switch device
- Added support for EKI-7710E-2CP switch device
- Added support for EKI-7710E-2CPI switch device
- Added support for EKI-7710G-2C switch device
- Added support for EKI-7710G-2CI switch device
- Added support for EKI-7710G-2CP switch device
- Added support for EKI-7710G-2CPI switch device

September 2016 iView² SNMP Management Application

Version - 5.3 (Build 0003) 5.3.03

- Resolves problem where devices cannot be added

August 2016 iView² SNMP Management Application

Version - 5.3 (Build 0002) 5.3.02

- Added support for SECP510-2SFP-T switch device
- Resolves a problem where VDSL2 remote module was not displayed

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August 2016 iView² SNMP Management Application

Version - 5.3 (Build 0001) 5.3.01

- Added support for eWorx SE510-2SFP-T and SEGP510-2SFP-T Series switches

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June 2016 iView² SNMP Management Application

Version - 5.2 (Build 0020) 5.2.20

- Added support eWorx Interface Statistics Information

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April 2016 iView² SNMP Management Application

Version - 5.2 (Build 0019) 5.2.19

- Added support for eWorx SE300 Series Switches

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SE305-T, SE308-T, SE316-T, SEG305-T, SEG308-T, SEG316-T, SEC310-2SFP-T and SEC318-2SFP-T

April 2016 iView² SNMP Management Application

Version - 5.2 (Build 0010) 5.2.10

- Added initial support for eWorx 8-port switch

January 2016 iView² SNMP Management Application

Version - 5.2 (Build 0009) 5.2.09

- Modified iView² to improve performance when displaying devices selected from "Network Segment List"

- Modified "sort order" so that it does not overwrite the System Settings "Device Naming Convention"

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December 2015 iView² SNMP Management Application

Version - 5.2 (Build 0008) 5.2.08

- Modified Segment List to display scroll bar
- Added "Edit Segment" to "Network" menu list

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December 2015 iView² SNMP Management Application

Version - 5.2 (Build 0007) 5.2.07

- Modified LDAP Authentication and Authorization functionality
- Modified LDAP to not store any user entered login information
- Modified iView² Network List to use <DNS> - <IP ADDRESS> if DNS addressing is used with no description
- Modified iView² logout functionality to terminate user session
- Modified iView² Network List device naming convention to add custom naming
- Modified login to support localStorage for LDAP checkbox

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