CYLON® TECHNICAL BULLETIN NO. 503
Issue Date: 08 November 2022

ASPECT® v3.07.00

Summary

ASPECT software has been updated to add Full Upload and Download of controller strategies (FUD), OS Upgrade, Security Enhancements, Graphics Features, and Historical Reporting Improvements, along with general usability improvements.

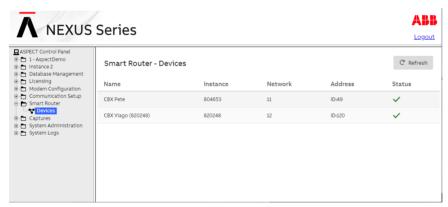## Features

FULL UPLOAD AND DOWNLOAD (FUD)

ASP-5802 Implement Full Upload Download (FUD) Service on NEXUS-3 ASPECT x86 CentOS 7.x

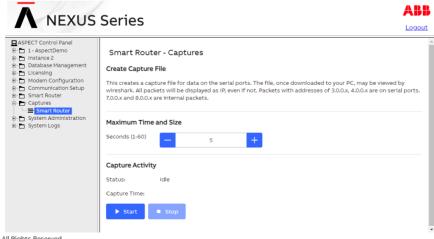ASP-5803 Implement FUD Service on NEXUS 1, 2 & 3 ASPECT x86 CentOS 6.x

ASP-5751 Implement CXpro^HD interface to NEXUS Series to service FUD backup / restore operations

ASP-5915 Modify backup and restore scripts to include FUD strategies

ASP-5750 New UI Interface to support FUD feature set

ASP-6020 Add Smart Router FUD Diagnostics to NEXUS Series target devices

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SECURITY / OS UPGRADE

ASP-5813   ASPECT-Enterprise and NEXUS Series OS Security Upgrade.

ASP-5904   Implement Windows 11 support for ASPECT-Studio.

ASP-6095   Toggle IPv6 off on all ASPECT target servers.

ASP-5929   Updated Angular security package.

ASP-5949   Added option for HTTP Strict Transport Security (HSTS) to ASPECT Targets.

ASP-5956   Upgraded JRE on x86 Targets to Open JRE 1.8u272 or greater for TLS 1.3 support.

ASP-5894   Disabled TLS 1.0/1.1 on all ASPECT Targets.

ASP-5938   Removed all Spring dependencies from ASPECT-Studio / ASPECT to mitigate Spring4Shell vulnerability.

ASP-6051   Added option to configure ASPECT-Enterprise and NEXUS-3 targets for Single Port SSL access.

ASP-5755   Added WebUI "IP Port Administration" page to allow toggling IP ports on/off.

ASP-5806   Preconfigured ASPECT-Enterprise / NEXUS Series /MATRIX Series with a self-signed SSL cert.

ASP-5888   Added ability to proxy redirect through the ASPECT Control Engine's Web Server using /aspect1 or /aspect2 (on port 80 or 442).

ASP-5799   Implemented secure eMap protocol driver, eMapSC.

ASP-5980   Improved the facility to import an existing server SSL certificate in WebUI.

ASP-6022   Improved security of Services requests (added view/edit restrictions for non-admin users).

ASP-5999   Added tools to manage and test TLS versions enabled for outgoing MIX comms (especially TLSv1.3).

ASP-6111   Added authentication requirement when enabling SSH on an ASPECT target.

ASP-5952   Added the ability to import SSL client certificates to support outgoing https connections for SMTP, iCal Calendar Access, eMapSC.

ASP-5577   Prevented jumping to restricted content using overlay menu items.

ASP-5505   Deprecated Mobile AutoMagic menu option from WebUI.

ASP-5519   Added support for Baikal v0.2.7 on PHP 5.4 on CentOS 7.

GRAPHICS ENHANCEMENTS

ASP-5805   Added "Graphics Preview" to allow real-time preview in a browser of ASPECT-Studio graphics changes.

ASP-5874   Added the facility to place multiple image(s) onto graphics in one quick operation.

ASP-5865   Implemented a split-screen display option for Scalable Graphics in ngAdmin.

ASP-6000   Fixed Graphics alignment issues that occurred after project upgrade to v3.05.00 / v3.06.00.

ASP-5990   Graphics Preview – Added an option to adjust browser auto-refresh interval.

ASP-6107   Improved support for SVG zooming using hand gestures on iPhone, iPad, etc.

ASP-6087   Fixed an issue zooming in/out or moving scalable graphics if the graphic's background was empty.

ASP-5808   Added the ability to unlock individual elements on a Graphic.

ASP-5935   Fixed graphic element Edit and Align buttons for non-English versions of ASPECT-Studio.

ASP-5708   Resolved the issue of missing images/assets on graphics when deploying to local Windows PC.

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HISTORICAL REPORTING

ASP-5671   Implemented a robust and consistent search and filtering interface for Event History pages

ASP-5672   Added the option to download full or filtered data from Event History pages in CSV, Excel and ZIP formats.

ASP-5560   Implemented *partial string matching* for Historical Alarms global search.

GENERAL USABILITY

ASP-5974   Made "Strategy Import" (from CXpro^HD) clearer and more interactive for the user.

ASP-6053   Removed support for more than 2 control instances in ASPECT-Enterprise servers.

ASP-6029   Fixed column headers/data mismatch in ASPECT-Studio bulk property editor dialogs (Edit Children, Edit Siblings, Search, etc.)

ASP-5909   Improved utilization of ngAdmin real estate and reduced white spaces.

ASP-6072   Ad-Hoc Trends: Improved the ngAdmin charting system - better data point labelling, clearer layout, etc.

ASP-5545   Ad-Hoc Trends: Provided fixed order & color of points after saving trends with different date ranges.

ASP-5896   Ad-Hoc Trends: Added enum labels for all Trend graphs.

ASP-6026   Ad-Hoc Trends: Added an option to show all trends on a single Y axis (to improve trend comparison/save space).

ASP-5897   Ad-Hoc Trends: Fixed a bug where trends were not saved when point name had specific characters.

ASP-5512   Ad-Hoc Trends: Color-coordinated point names, enum labels and values with graph lines.

ASP-6014   Ad-Hoc Trends: Fixed trend labels when showing truncated Trends.

ASP-6056   Ad-Hoc Trends: Removed redundant cursor values shown in single Y axis mode for Trends.

ASP-5543   Added data validation to enum properties in Network Point, Map Schedules and Networks.

ASP-5950   Added a Notifier debug option to aid in diagnosing notifier configuration errors.

ASP-6071   Implemented enhanced web connection fault-handling and descriptive error display.

ASP-5907   Fixed a bug where ASPECT 3.06.00 pop-up menus were not working on Firefox.

ASP-5698   Fixed an emap protocol bug to render BACnet time and BACnet date objects in a valid time format.

ASP-5903   Fixed a bug where Aspect Point initial discovery was not displaying values with PV unless PV checkbox selected.

ASP-6027   Improved the appearance of the ASPECT Service editor subtitle.

ASP-5769   Fixed a bug in the ASPECT-Studio Copy/Move Nodes feature.

ASP-5578   Changed label "Device Instance ID" in Network Device to "Device Instance" to be consistent with all products.

ASP-4826   Fixed a bug when copy/pasting Diagram View blocks with connections (connections now pasted also).

ASP-5664   Resolved a problem where date type annunciator always had yellow border in ngAdmin.

ASP-6116   Deleted the applet link from WebUI (deprecated).

ASP-6040   Fixed a bug when copying large numbers of devices in the copy/move dialog.

ASP-5767   Improved duplication of schedules by also duplicating their 'Configuration'.

ASP-5809   Made eMap discovery improvements to include value object formatting info and a "Display Order" checkbox.

ASP-5574   Fixed a bug where entering alpha chars and commas in data entry field wrote the value 0 to a device point

ASP-5098   Fixed a bug where exception schedule days were deactivated incorrectly after message that "start date is after end date"

ASP-5968   Resolved database persistence errors on MapConfig.db for Graphics and Styles node properties

ASP-5226   Investigated and resolved reports of MapConfig.db corruption on import.

ASP-5982   Prevented horizontal slider from appearing when project name exceeds side menu element size.

ASP-5129   Prevented increment/decrement editor from going higher than the High Limit.

ASP-5882   Migrated language selector component to Angular 11.

ASP-6101   Fixed missing button images in Serial Port Queue tab in WebUI.

ASP-6130   ngAdmin: Repaired missing page title and/or path in various locations.

ASP-5537   ngAdmin: Modified UI to recognize html tags when displaying ASPECT-Studio tooltips.

ASP-5906   ngAdmin: Implemented menu/tree expansion to the current page on page refresh or URL load.

ASP-5699   ngAdmin: Resolved an issue where tree expansion icon was obstructed on Firefox browser.

ASP-5983   ngAdmin: Unified the size and appearance of Audit Events and Active Alarms HTML elements.

ASP-5663   ngAdmin: Improved the presentation of date and time to make it consistent and clear across all pages.

ASP-5720   Changed "Rolled up" description to "Averaged" for clarity.

ASP-5205   Fixed a bug where Schedule date validation was incorrect when the time of the end date is earlier than the time of the start date for a future date.

ASP-5975   Resolved an SMTP HELO command error connecting to smtp.gmail.com.

ASP-5987   Improved the design of the table in Utilities > System Information > Notifier Status.

Customer Impact

It is recommended that customers update when convenient.

However, please note the following:

Note: Java Applet project applications (ASPECT 1.x, 2.x or 3.x) are NO LONGER SUPPORTED.

Note: Support for more than 2 instances has been removed.
As a result, customers using more than 2 instances on ASPECT-Enterprise cannot upgrade to 3.07.00. In this case, multiple instances of the ASPECT-Enterprise VM may be created as a workaround.
Please contact your sales representative for license upgrade options.

Note: The new proxy URL feature (which allows single-port access to ASPECT targets using the path /aspect1 for instance 1 and /aspect2 for instance2) will work only if the default ASPECT ports 7226 and 80 have not been modified from the WebUI > System Administration > Web Server Configuration interface.

Note: The new proxy URL feature will not work if the "Use First Aspect Instance" configuration option is selected from the WebUI > System Administration > Web Server SSL Configuration interface.
The "Use First Aspect Instance" configuration option may be used in conjunction with a firewall to restrict access to administrative functions on internet facing devices while providing secure public access to the ASPECT Project Home page. (i.e. ngAdmin).

Note: ASPECT targets configured for "Single Port" access do not support project deployment. To deploy an updated project to a "Single Port" configured device, ports 80 and 7226 must be toggled ON to enable "deployment / commissioning mode".

Note: IPv6 is now disabled on all targets.

Note: While most ngAdmin features will work on an IOS (Apple) device, full support is not guaranteed.

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