Niagara 4.7u1 Release Notes

Information

Description

Resolved Issues in Niagara 4.7U1 Release

Issue Key	Module	Summary	Release Note
HAREMB-507		JACE-8000 defaults to factory recovery even if USB backup is present	If a user holds the backup/restore button during boot, and has a USB device mounted into the front panel USB backup/restore port, and the user does not register a keystoke via the serial terminal connection to indicate a restore is desired, previously the unit would have automatically entered the recovery process. With this release, the recovery/restore process will be aborted and the unit will continue with normal boot. If recovery is desired, no USB device can be mounted into the backup/restore port.
NCCB-32994	alarm	% symbol in point facets causes errors for sms and email alarm recipients	BFormat fields are now handled properly in the alarm recipient message body, which allows '%' symbols to be used in values that are sent to an alarm such as when the units of a numeric value are percent.
NCCB-38896	alarm	AlarmSourceExt AckedTransitions ToNormal bit not set when an alarm is active	When the most recent alarm to change to a Normal state is acknowledged, the AckedTransitions property ToNormal bit will now be set, even if the point is currently in an alarm state.
NCCB-37344	bacnet	Bacnet Network does not initialize properly when installed via Application Template	Some BACnet point references and other types of references were non-functional after an application template installation, requiring a station restart to reset the references. This has been corrected.
NCCB-38226	bacnet	BACnet Confirmed Request max-APDU-length-accepted bit flags off-by-one	updated getMaxAPDULengthCode() to correct corner cases where we were out of bacnet spec section 20.1.2.5
NCCB-39192	bacnet	Present Value is set to default value when schedule goes out of effective period	The present value will be retained when even schedule becomes ineffective. It will not revert back to 'Schedule Default'.
NCCB-39301	bacnet	Multistate object gets automatically set to 0 when Out_Of_Service is TRUE	When Out_Of_Service flag is true, the value in Out_Of_Service extension is unaffected by the present value of the multi state point.
NCCB-39550	bacnet	Not able to write NULL value to Schedule Default property	NULL can be written to 'schedule default' property of Numeric. Boolean, Multi state and Character string schedule types.
NCCB-39558	bajaScript	HTML5 graphics not showing up in cross-site frame	The Html5HxProfile can now correctly show HTML files that reference another station's bajaux widgets without cross-origin errors. Please note that a separate login may be required. The other station's WebService's XFrameOptions must be lowered to "any" for this to work.
NCCB-	bajaux	Bajaux BacnetDate editor	The BacnetDate HTML5 field editor was

37378		throws error when using localized days of the week	incorrectly encoding the day of the week part using the user language configured. This has now been fixed so the BacnetDate HTML5 field editor will consistently encode and decode the day of the week.
NCCB-19575	chart, history, hx	History Chart Builder embedded in a PX page fails in the browser	The AX History Chart Builder view will now correctly build charts when embedded in a Px page viewed in the browser.
NCCB-38480	history	History can force expensive resize operation if not properly closed, delaying subsequent station startup	Prior to this fix, if a station was not shutdown gracefully (e.g. using station kill or power loss), upon the next station restart, it was possible for histories with a full policy set to "roll" to have to perform an expensive resize operation in order to stay at the configured capacity. Since this could affect multiple histories, station startup was delayed waiting for these expensive resize operations to complete. This has now been resolved, so that under such conditions histories can more efficiently trim themselves and there is a smaller impact on the station startup time.
NCCB-36114	hx	Value Binding in Hx TabbedPane prevents entire HxPx page from loading	If you have a TabbedPane with ValueBindings on it, then the HxPx page of that view stopped rendering in Niagara 4.4. This has been corrected.
NCCB-39792	jxBrowser	Security Fix for jxBrowser/Chrome in Workbench	A security fix was made in jxBrowser that addresses a vulnerability in Chrome (CVE-2019-5786). Workbench utilized jxBrowser for presenting web views in Workbench. The fix mitigates this vulnerability.
NCCB-36629	niagaraVirtual	Backups in Slot Paths don't translate properly in on-demand Px Graphics for Niagara Virtuals	In cases where you had a subordinate station (e.g. JACE) reporting to a supervisor and you had enabled the on-demand Px Graphics for Niagara Virtuals, if the subordinate station contained Px graphics that utilized relative SlotPath ORD bindings with backups ("../"), when that graphic was subsequently translated/loaded in the supervisor upon accessing the Niagara virtual component, those backups would not be translated properly and the virtual ORD bindings in the Niagara Virtual Px graphic would not display properly. This was particularly frustrating when you used the 'Relativize Ords' command in the Px Editor (or in template creation), as it could automatically create backups in SlotPath ORD bindings, thus leading to this downstream problem. This defect has now been fixed so that these ORDs will properly translate and display in on-demand Niagara Virtual Px graphics (only requiring the supervisor station to be upgraded).
NCCB-40582	platform	EDGE10 fails to change IP address via HxTcpIpPlatformServiceView when in daisy chain mode	Prior to platform-wb.jar 4.7.110.32.1, changes to the EDGE10 primary adapter through the Hx view would not be applied on save if the host was configured to use 'Daisy Chain' link settings. The HX behavior has now been corrected. As a workaround, use Workbench platform based TCP/IP Configuration View or Workbench station based TCP/IP Platform

			Service View to make the changes instead of the Hx View.
NCCB-40590	platform	Jace-8000 platform configured with NTP logs AccessControlException on Station save	Previous versions of Niagara could show an AccessControlException during the Niagara Station save procedure if the NtpPlatformService was enabled on a QNX platform. This error does not impact the functionality of the service. This exception behavior has been corrected.
NCCB-39191	rdb	Rdbms history export fails if the source HistoryConfig contains additional frozen slots	BHistoryConfig subclasses with additional frozen properties can now be used with RdbmsExport.
NCCB-39585	rdbSqlServer	SqlServerDatabase does not support dynamic port discovery	Dynamic port discovery can now be enabled with SqlServerDatabase by setting the PortNumber property to 0 and adding "instanceName=databaseInstanceName;" to the ExtraConnectionProperties property.
NCCB-39167	saml	SAMLAuthenticationScheme cannot handle signed response with EncryptedAssertion	Previously, SAML authentication would fail when the IDP sends responses with encrypted assertions and message-level signatures. This has been corrected.
NCCB-36113	seriesTransform, webChart	Provide options to remove line gaps and remove hidden gaps by default	Web Chart now defaults to no longer creating a gap in the data when there is a hidden Trend Record, Null status, or non-finite value like $+inf$. If you prefer gaps to be shown, a new chart setting has been added to return the gaps to their previous behavior: just set "Show Data Gaps" to "Yes." By default, gaps from start flags will still be shown, but these can now be turned off by changing the chart setting "Show Start Trend Gaps" to "No."
NCCB-24007	tagDictionary	NEQL search on inbound implied relation is not returning any results	Previously, an implied relation such as n:parent would handle its outbound relation and the inbound complementary relation, n:child in this example. This prevented NEQL searches using the inbound relation from returning all results without resorting to poorly performing workarounds. Now, the implied relation handles both the inbound and outbound versions of itself and now searches involving relations are accurate and perform well.
NCCB-36696	template	Cannot have PX files outside of default location in application template	Application templates now preserve and install most types of files that are found in the station home directory.
NCCB-37377	template	Webcharts are not loading on PX view after installing an application template	Application templates now preserve and install most types of files that are found in the station home directory.
NCCB-37934	template	Deploying a template with input or output configurations may fail or leave connections unresolved	Corrected conditions that would sometimes prevent deploying a template with defined input connections due to IndexOutOfBoundsException. Note that templates currently restrict output link connections to only BControlPoint instances. If a different component type (a schedule, for example) is desired for the output link connection, connect it first to a control point of the appropriate type and tag the control point so the template bind hints will pick it up.
NCCB-	template	Bulk Deploy fails input links	In some cases the Bulk Deploy process

38151				would not resolve template input slots declared in the Excel worksheet. The result could be undefined input links, which would show up in the Template Manager view on the station's Template Service.
NCCB-36209	wbapplet, web	Loading WebWidget in Webstart can re-show login page and cause module download corruption		When loading a WebWidget in Webstart for the first time in a session, it may sometimes have shown the login page instead of your web widget. If this happens or the WebService is restarted during your connection, any new module or lexicon resources will be downloaded and stored incorrectly. This has been corrected. If you suspect your module resources have been corrupted, delete this directory so the modules can be re-downloaded correctly: `C:\Users\\AppData\Local\niagara\n4applet\_`
NCCB-33156	webChart	WebChart: scaling should ignore min/max facets by default and provide options to use them		WebChart will no longer look at a point's facets for 'min' and 'max' by default. If you prefer this behavior, there is now a chart option for "Facets Limit Mode" that defaults to "off," but can also be set to "inclusive" (the old behavior), or to "locked" which will force the min and max to those values. In all of these settings, "chartMin" and "chartMax" facet keys can be used as a higher-priority substitute for "min" and "max." Even if the "Facet Limit Mode" is "off," this can be overridden for specific series if a facet key of "chartLimitMode" is supplied with the corresponding values of "inclusive" or "locked." If you are not using a chart file to load a WebChart, then there used to be no way to preset any options. Now you can change the default options: there is now a Property called "defaultOptions" that can be modified on a Px page and defaults to "file:^charts/defaultOptions.chart". Even when not on a Px page, non-chart files will load their options from this file if it exists and the user has permissions to view it. This includes the ability to change all options, so even the default time range can now be changed.
NCCB-37564	wiresheet	Wiresheet will not load if two components share more than one link and the source slot of one link is hidden		Previously, if a wiresheet wire was hidden, it would cause a NullPointerException to be thrown when the wiresheet was displayed. This has been fixed so that the exception is no longer thrown, and the hidden wire is simply not displayed.
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Files

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