Niagara 4.8 Release Notes

Description

Issues fixed in Niagara 4.8 Release

Release Notes not assigned to a module

HAREM	E
1036	

Edge10 - Unexpected Bridge Priority values for RSTP configuration

Prior to Niagara 4.8, the TCP/IP Host Editor and JACE System Shell Menu presented the incorrect display value for BridgePriority STP values "28762" and "61140". This is a display only issue and even if these (non-default) values were used, the correct value "28672" and "61440" would be used by the STP configuration. This has been corrected.

HAREMB-1107

JACE-8000 "System clock modified" goes back, then later comes forward

RTC and OS time on the JACE-8000 would sometimes keep drifting far apart. Time synchronization between RTC and OS has been reworked to prevent this from happening.

HAREMB-1162

USB bus re-enumerates under heavy communications load

Increased usb message buffer sizes on usb rs485 and rs232 modules. Increased usb tx message buffer sizes for usb serial driver. Fixed mstp state machine condition that could sometimes cause token to be incorrectly retransmitted or dropped. Improved reliability of MSTP over JACE-8000 usb-serial subsystem has been improved

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-19235

After selecting Make Trend as "False" in the runtime block, it renders data in the trend request.

Runtime block is a special block, where the TrendData and ValueData both are valid. 'makeTrend' property is now removed as it is not being used.

NCCB-33083

MultiTrend Ord scheme throws exception when used as multi ord scheme

MultiTrend Ord Scheme will not throw an error/exception when used as multi ord scheme

NCCB-33290

Read Range Request to a non array object with an array index.

For Recipient_List property of Notification Class Object, Device_Address_Binding,
Active_COV_Subscriptions properties of Device Object, List_Of_Object_Property_References property
of Schedule Object, Log_Buffer property of Trend Log Object, Alarm_Values, Fault_Values properties of
Multi-state Input and Multi-state Output Objects and Date_List property of Calendar Object,
Time_Synchronization_Recipients, UTC_Time_Synchronization_Recipients and
Restart_Notification_Recipients properties of Device Object should return property is not an array with
read range with array index valid value

NCCB-34322

I-Am broadcast optimization for BBMD

Prior to this fix, I-AM response to WHO-IS request was a GLOBAL_BROADCAST. Now I-AM response is a unicast to the source of the WHO-IS request.

NCCB-34384

Area Information is displayed after disabling the Area Normalization and updating the report

From first refresh, the floor area value correctly appears in the NodeEditor.

NCCB-34812

Session timeout: Continue option does not work when Station tab is not focused

The continue option in the session timeout warning dialog would not properly reset the session timeout if a tab for the station was not in focus, causing the session to time out shortly after selecting continue. This has been corrected and the session timeout is properly reset. This introduced a breaking change documented at https://www.niagara-community.com/articles/Developer_Document/Breaking-Change-Session-Timeout-API.

NCCB-35801

If data is missing in the Average Profile Chart, the x axis values are displayed with uneven intervals.

Fixed to show equal intervals of time stamp in x axis

NCCB-35901

Bulk Deploy does not recognize Excel (.xlsx) workbooks

Bulk deploy operations can now use the .xlsx file format.

NCCB-36092

On deleting a point, baseline editor still shows the old point's name

On deleting a point, baseline editor now removes the point name when the node is deleted.

NCCB-36364

Analytics performance issues with UX Controls in PX views

Fixed Analytics Performance issues with UX Controls in PX views

NCCB-36484

Missing Data Strategy Editor does not restrict the K Value limit to 30

K nearest neighbor algorithm, in the Missing Data Strategy editor, now allows K values between 1 and 30 only. Higher K values affect system performance.

	Knowledge Article
NCCB- 36809	The Daylight Saving Time shift from EDT to EST is shown horizontally in web table Binding
The Dayligl	nt Saving Time shift from EDT to EST is now fixed to show correctly in web table Binding.
NCCB- 37010	Charts show the word "value" on the Y axis which should show units
"value" text	on the y-axis is now removed.
NCCB- 37021	AnalyticsWebChart should default to "Line" instead of "Bar".
Fixed to se	t the default chart type to line chart
NCCB- 37335	Niagara Daemon Servlets that extend DaemonServlet do not have thread safe XML response
requesting	ons of the Niagara Daemon could fail to respond with valid XML if multiple clients were the same servlet information at once. This could manifest as an error dialog appearing when ble Platform Administration Views connected to the same platform. This has been corrected.
NCCB- 37649	Workbench TCP/IP Host Editor creates malformed STP link.cfg file
	P Host Editor created a malformed link.cfg configuration file when using non-default STP an Edge10 device. This has been corrected. Use the Serial Shell to configure the STP equired.
NCCB-	Time Range FROM Today - x Days to +1 Days does not display Day x
37883 Fixed to sto	op incorrect conversion of days to weeks when the user selects "From" option in the 'Time
Range' dro	
NCCB- 38287	In Time Range Offset block, when selecting "End" as Time Range Part, the time stamps are not offsetting towards the end
	nge Offset block, when "End" is selected as Time Range, and an offset is given, the are now offsetting correctly.
NCCB-	The units for Area Normalization are not displayed correctly
The units fo	or Area Normalization are now displayed correctly
NCCB- 38980	Changing the time range in the binding and selecting "Use Request Time Range" in the Algorithm rollup block does not work.
	he time range in the binding and selecting "Use Request Time Range" in the Algorithm rollup ork as expected
NCCB-	If configuration for a chart is changed in the browser, the settings and data are not updated

If you want to export the chart and retain all of the changes that you have made, you need to do the following: 1. Export the modified chart to a Station File (see "Exporting a chart (Workbench or browser)" in Niagara Web Charts Guide. 2. Create a Px view for this chart and load the exported Station File to this Px view. The chart will display with the modifications included. More information can be obtained from Niagara Analytics documentation pdfs. NCCB-39807		Knowledge Article
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		block, when used in algorithms, returns data as per the Request Rollup and Request Time

NCCB- 40909	Data to the contracting contractly them aligned the contract and contractly	
	dule output is handled as part of this defect and appropriate Enum value can be used for the locks (Sliding Window and other Functional Blocks).	
NCCB- 41284	Day Time Range includes 12:00 AM from next day which adds an extra record to the result	
Charts and	tables will not include today's data if we select yesterday as time range.	

Description (cont.)

Release Notes assigned to one or more modules

NCCB- 19952	Linux Installer, nre	Workbench/station fail to start if niagara_home path contains spaces
	ous versions of Niagara, spaces art. This has been resolved.	in the installation path would cause Station and Workbench to
NCCB- 35108	Linux Installer	Branded Linux Niagara install fails to validate brand, does not create directories
		nstaller could incorrectly reject customized brand identifiers, avalid characters. This has been corrected.
NCCB- 37915	Linux Installer	Linux uninstaller version injection regression
NCCB- 27471	n be manually removed. alarm, backup, baja, email, hx, kitPx, queryTable, schedule, smartTableHx	BHxDynamicTimeRangeFE and other Hx Views do not use the user language when its different from the platform language
Lexicon The cons	Text and its used to help ensure structor to LexiconModule takes ' and "getHtmlSafe" take Contex	api called LexiconModule. Its similar to Lexicon and that you are using the User's locale in any Lexicon translation. just a ModuleName and all the translation calls like "get", tts and keys so you can ensure that the User's locale is used
and not	the platform locale. Many HxVie api and ensure the User's local	ws like HxDynamicTimeRangeFE have been changed to use e is used whenever relevant.
and not that new		
and not		

alarm.db.clearSelectedAlarms=This operation will CLEAR the selected alarms from the database. *

alarm.db.clearAllAlarms=This operation will CLEAR ALL alarms from the database. * cannotBeUndone=The operation CANNOT be undone. * continue=Do you wish to continue? * alarm.table.page.noResults=No results * alarm.table.page.pageOf=Page \{0} of \{1} Additionally, the keys from alarmData columns were changes from alarm.console.columns.* to alarmData.* to allow reuse of lexicon values used in the bajaui Alarm Console.

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- 33627	alarm	Alarm Database Time does not match Alarm Db View time due to TimeZone differences

In earlier versions of Niagara, the Alarm Database View displayed timestamps in the timezone of the web browser (without noting which timezone was being used). This would make it appear as though the alarms had different times than those in the bajaui based versions of those views. The Alarm Database views now display timestamps in the TimeZone of the Alarm (based on the alarmData.TimeZone facet). Additionally, these views now also use the display name for Alarm Classes.

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.

NCCB37618 Secure connections in MySql 5.1.42/8.0 do not work with AlarmOrion and Entsec because SSL certificate is not available at BOrionService.started

When using MySQL secure connections with Orion services, Orion would fail to obtain a secure connection when starting. This has been resolved.

NCCB- 39264	backup	Station based backup restore log emulation contains improper print lines

Previous versions of Niagara would improperly print the new line character to the Application Director output when restoring a Backup distribution file using the Niagara Station Backup Service based restore method. Distribution File based installations were unaffected. This behavior has been corrected.

NCCB- 39509	backup, niagarad	BStationSurrogate restartStationAsync function does not respect restart override settings, prevents station restart in Backup Service unless auto restart
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Previous versions of the Niagara Station Backup Service could fail to restart a Niagara Station when instructed if the Niagara Station did not exit cleanly as part of the Backup restore. This known usage of this type of restore functionality was present in the Enterprise Security product. To workaround this behavior, ensure that the "Auto Restart" option is selected in the Application Director. This has been corrected.

NCCB- 10527 bacnet	localDevice activeCovSubscriptions list not always cleaned up
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From build AX 3.8.501, Niagara 4.4.94.16, Niagara 4.6.96.30, Niagara 4.7.110.34 and Niagara 4.8.0.76 build, any COV subscription is canceled or expired on a bacnet object, removes corresponding COV subscription component from proxy point and COV subscription component ord from the active COV

	bacnet	BACnet normal(noAckRequired) alarms cause unacked offNormal(ackRequired) alarms to disappear
	quired for toNormal state is appear from console.	unchecked and alarm goes from offNormal to normal then alarm
NCCB- 32810	bacnet	Multistate Value object in fault state allows to write 0 to present value
	defect resolution Multistate value property from a client	e Value Objects should not allow a "0" to be written to its a using WriteProperty API.
NCCB- 34739	bacnet, webEditors	BACnet UX point manager does not handle duplicate names
would th		where duplicate discovered points added to the database table now handled in the same way as workbench views by suggesting
NCCB- 34819	bacnet	Bacnet covSubscription exists even after subscription has expired
	tion component from proxy	/expired on a bacnet object, it will remove corresponding COV point and COV subscription component ord from the active COV
NCCB- 37344	bacnet	Bacnet Network does not initialize properly when installed via Application Template
		other types of references were non-functional after an application tion restart to reset the references. This has been corrected.
NCCB- 38226	bacnet	BACnet Confirmed Request max-APDU-length-accepted bit flags off-by-one
Fixed the	e corner cases where we we	ere out of bacnet spec section 20.1.2.5
NCCB- 38557	bacnet	Bacnet driver lockup on NPSDK platform
which ac	tually arrived very quickly. I	ne driver waits the entire 'lockup threshold' time for many responses Now they can discover and learn 250 bacnet points without any ailing around 15 points before).
lockups		

		Knowledge Article
NCCB- 42738	bacnet	BACnet MOU-B: Doesn't receive any packets/logs while deleting any object using 'delete' button from keyboard
sending		he Delete key action works to delete only a local object without to Users must use the Delete button in the AWS Object Configurequest.
NCCB- 36829	baja, wbutil	Category Browser and Category Sheet views error on save when user does not have admin invoke privileges
(ActionIr invoke p error. A u This nuis	nvokeException) upon saving a rivileges against the CategoryS user with admin invoke privilege	neet views could throw a nuisance exception modification if the user had admin write privileges but not admin ervice. The modification would be saved despite the nuisance as against the CategoryService wouldn't have such problems. so that it won't be displayed on saves even for users with admir vice.
NCCB- 37204	baja, bajaui	Performance problem with non-Simple OrdTargets getting resolved twice on Px Page load
		es, Structs, Histories, query results, etc.) were resolved twice on
Objects on a Px advantag caching baja's co property	ge load. Now only non-Compon- that extend BObject directly suc page load. If you have an ORD ge of this new caching, you can is OK, or you can subclass from	ents that are BValues (Simples and Structs) are resolved twice. The as histories and query results will now only be resolved once scheme that resolves to a Simple or Struct and you want to take either add " cache:" to the end of your ORD to signify that in this new BOrdScheme subclass: me. This new caching behavior can be turned off with this system
Objects on a Px advantag caching baja's co property	ge load. Now only non-Compon- that extend BObject directly suc page load. If you have an ORD ge of this new caching, you can is OK, or you can subclass from m.tridium.util.BBinderCacheSche	ents that are BValues (Simples and Structs) are resolved twice. The as histories and query results will now only be resolved once scheme that resolves to a Simple or Struct and you want to take either add " cache:" to the end of your ORD to signify that in this new BOrdScheme subclass: me. This new caching behavior can be turned off with this system
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Objects on a Px advantage caching baja's coproperty NCCB-35852 Minor im NCCB-36146 Previous bajaui viversion, develope facets ar	ge load. Now only non-Componithat extend BObject directly sucpage load. If you have an ORD ge of this new caching, you can is OK, or you can subclass from tridium.util.BBinderCacheSche: bajaui.binder.legacyCache=true bajaScript bajaScript bajaScript bajaScript bajaScript sly the default behavior of AbsTiews were by default inconsister and both by default do not display second	ents that are BValues (Simples and Structs) are resolved twice. The as histories and query results will now only be resolved once scheme that resolves to a Simple or Struct and you want to take either add " cache:" to the end of your ORD to signify that his new BOrdScheme subclass: me. This new caching behavior can be turned off with this system baja.Format JSDoc is incomplete Doc baja.AbsTime#toString shows seconds and millis by default me.js did not match that of AbsTime.java and so bajaux and ht. Now the bajaux view has been changed to match the bajauilay seconds or milliseconds, only date and time. Third party ds and/or milliseconds can now achieve this by editing their
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Objects on a Px advantage caching baja's coproperty NCCB-35852 Minor im NCCB-36146 Previous bajaui viversion, develope facets ar NCCB-36860 baja.Abs defaulted	ge load. Now only non-Componithat extend BObject directly sucpage load. If you have an ORD ge of this new caching, you can is OK, or you can subclass from tridium.util.BBinderCacheSche: bajaui.binder.legacyCache=true bajaScript bajaScript bajaScript sly the default behavior of AbsTiews were by default inconsister and both by default do not displays who intend to display second setting showSeconds=true are bajaScript bajaScript bajaScript strime#toString defaulted the shed them to true. This has been fixed the shed them to true. This has been fixed them to true.	ents that are BValues (Simples and Structs) are resolved twice. The as histories and query results will now only be resolved once scheme that resolves to a Simple or Struct and you want to take either add " cache:" to the end of your ORD to signify that in this new BOrdScheme subclass: me. This new caching behavior can be turned off with this system. baja.Format JSDoc is incomplete Doc baja.AbsTime#toString shows seconds and millis by default me.js did not match that of AbsTime.java and so bajaux and int. Now the bajaux view has been changed to match the bajauilary seconds or milliseconds, only date and time. Third party dis and/or milliseconds can now achieve this by editing their and showMilliseconds=true. AbsTime#toString() with showSeconds: true now defaults to showDate: false owDate and showTime facets to false, whereas the Java version

When WebSockets were enabled, BajaScript would sometimes fail to start in Internet Explorer when loaded from an intranet site due to Internet Explorer switching to Compatibility Mode, where WebSockets are not supported. This has been resolved so that it will fall back to HTTP polling when in Compatibility Mode. Note that this will adversely impact performance, so it is advised to configure Internet Options to disable Compatibility Mode for BajaScript sites.

NCCB- 38378	bajaScript	BajaScript simples should return primitive values from valueOf()
expected		eturn the Simple instance itself instead of a primitive value as e string encoding from valueOf(), except those specifically
NCCB- 38441	bajaScript	baja.Format does not support conditional format syntax, time(), or user()
BajaScri	pt BFormat now supports condit	ional format syntax as well as user() and time() scripts.
NCCB- 38978	bajaScript	baja.Facets will not correctly encode ORDs
prevente will now	ed them being programmatically	d ORDs would not be correctly encoded to string. This saved to the station or sent to RPCs. Facets that contain ORDs n, DynamicEnum, Marker, Ord, and TimeZone are now
NCCB- 39558	bajaScript	HTML5 graphics not showing up in cross-site frame
without o		now HTML files that reference another station's bajaux widgets that a separate login may be required. The other station's owered to "any" for this to work.
NCCB- 40585	bajaScript	BajaScript baja.RelTime does not respect showMilliseconds facet in toString()
	t required a duplicate showMillis	pect the showMilliseconds facet used by Times and AbsTimes. facet. This has been fixed so that showMilliseconds will be
NCCB- 41054	bajaScript	BajaScript wrongly processes unsolicited BOX frames from other server sessions and does not close session on window unload
the sess instance cause er Chrome correspo working frames fr navigato https://br navigato devices, extra da	ion of the top-level frame rather could sometimes process mess rrors such as prematurely unmou 75. When a window or iframe is onding server session using a sy from window unload event listen rom other server sessions, and to r.sendBeacon, which can be safugs.webkit.org/show_bug.cgi?idior.sendBeacon to be called from when reloading a BajaScript page.	that shares a login with its parent frame, it will attempt to use than opening its own session. Previously, each BajaScript sages intended for the other instance. In some cases this would unting a component. This became especially pronounced in closed, BajaScript sends a message to the server to close its inchronous XmlHttpRequest. In Chrome 75, sync XHRs ceased there. To fix this, BajaScript will no longer process unsolicited the request to close the server session is now done via fely called from a window unload handler. Note that due to e188329, iOS versions 12.1 and earlier do not allow a window unload handler. This means that on these iOS ge, the old session may not be closed immediately and some for the 60 seconds it takes for the previous server session to 12.2 or newer.
	<u> </u>	
NCCB- 36387	bajaui	PxInclude does not scale correctly when used in a responsive pane
Adding a	PxInclude to a ReponsivePane	inside of a FlowPane would cause the contents of that

PxInclude to always scale down to the minimum allowable size. This has been resolved so the contents should only scale down if required. NCCB-CanvasPanes as border children of EdgePane always shrink bajaui 37295 to minimum size Adding a CanvasPane, with scaling configured, as a child of an EdgePane, GridPane, and certain other panes would cause that CanvasPane to always scale down to its minimum size. This has been corrected, so the CanvasPane should default to its preferred size and only scale down if there is not enough space available. NCCB-BDialog created from standard Exceptions shows message bajaui 39574 twice Previous versions of Niagara 4 BDialogs might contain duplicate text messages when constructed with both a String and Throwable arguments. The construction process has been corrected such that duplicate text is not displayed. NCCB-Bajaux BacnetDate editor throws error when using localized bajaux 37378 days of the week The BacnetDate HTML5 field editor was 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-When CommandButton is initialized in a non-button element, bajaux 38008 it can be clicked even when disabled bajaux CommandButtons that are initialized in a non-button element, like a span, will no longer invoke their Commands when clicked. Additional rules to themeZebra, themeLucid have been added so that these elements (with the ux-disabled class and either of the ux-btn or ux-btn-tb classes) will no longer highlight at all when clicked. In addition, the ux-disabled rule in module://web/rc/theme/theme.css has been relocated so that the cursor: default; rule will override the cursor: pointer; rule on buttons. Therefore, the pointer finger will no longer appear when hovering over a disabled button. 4.6+ Hosted provisioning jobs fail running against PC based NCCBbatchJob, 4.3 Stations with "default credentials or passphrase" false 36675 provisioningNiagara positive Niagara 4.6 introduced a verification step that ensured certain provisioning steps could not be run on devices that were still using the default platform credentials. This verification was malfunctioning when a Niagara 4.6 Station was provisioning Niagara 4.3 and earlier Supervisor hosts (not JACES), or when Niagara 4.6 Station was provisioning any AX host. This has been corrected. NCCB-History Chart Builder embedded in a PX page fails in the chart, history, hx 19575 browser The AX History Chart Builder view will now correctly build charts when embedded in a Px page viewed in the browser. NCCB-Google Chrome will not trust self-signed certificates with IP cryptoCore, web Address for CN and SAN 35850 A defect has been addressed that resulted in an incorrect subject alternative name entry being created when submitting an IP address instead of a DNS name. Newly created certificates will now create the proper subject alternative name entry with the appropriate general name type.

		Tale Meage / Itale
NCCB- 36506	cryptoCore	NETWORK_COMMUNICATION SSLSockets parameter in module permissions prevents station start
Fixed an group ca	issue where the 'SSLSockets' pused the station or Workbench i	parameter for the NETWORK_COMMUNICATION permission not to boot in non-FIPS mode.
NCCB- 39226	cryptoCore	Only one TLS connection can be opened at a time
Fixed an	issue where TLS connections of	an cause other, concurrent connections to wait indefinitely.
NCCB- 40984	docDeveloper	missing bajadocs in 4.4U3, 4.7U1 and 4.8
pages ar	e shown in the index. For affect	hilable Bajadoc pages; this has been corrected and all Bajadoc ed versions, Bajadocs may still be accessed by searching for option from the _Search_ menu.
NCCB- 31522	driver, niagaraDriver, workbench	Tuning Policy Name selection is broken in certain views
extensio have bee	n), depending on the root of the en populated correctly with the a	g Policy' property (typically seen on a driver point's proxy active Workbench view, the pull down selection may or may not vailable tuning policies installed at the network level. This available tuning policies will properly display in Workbench.
NCCB-	edgelO	Edge 10 - edgelo write value ignored and no rewrite
39759 Fixed to		of the proxy point, if they are not equal, rewrite again.
NCCB- 40726	export, webEditors	Px view exports from browser do not work with non-slot ord schemes like hierarchy
		e hierarchy, handle, or virtual ords was causing an error when ExViews with relative bindings were also corrected.
NCCB- 38067	file, webEditors	Column headers in exported CSV do not respect unit conversion (bajaui)
	eader with correct unit annotatio	n in Table to CSV / History Table to CSV when unitConversion
NCCB- 34686	fips, provisioningNiagara	In FIPS Mode, Workbench Job Service reports successful provisioning jobs as failing
	or would throw an exception and	involving a password that were run using a FIPS enabled a show failure upon completion even if the step completed
NCCB- 21705	fox	Fox Multicast always sends roll call announcement on default gateway adapter

Niagara network discovery has been enhanced to support discovery of Niagara devices attached to any active network interface of the discovering device This includes devices connected to a JACE via Wi-Fi or the secondary network interface. Previously, Niagara network discovery would only discover devices attached to the primary network interface of the discovering device. NCCBgx, hx Pie Chart and Arcs in HX view not displaying pie correctly 11685 Pie Charts and Arc now render properly in Hxpx. NCCB-Line widgets are inconsistent in Hx gx, hx 34395 Previously, lines in Hx would sometimes draw with incorrect line widths or coordinates. Lines in Hx graphics should now match the display in Workbench. NCCB-Haystack dictionary auto-import breaking hierarchies haystack 42626 A Haystack tag dictionary already in a station is no longer imported automatically when the station starts after upgrading the haystack module. This prevents new implied equipRef and siteRef relations from appearing in the station and affecting hierarchies and NEQL results. The latest tag, tag group, and relation definitions can be imported by invoking the Import action on HsTagDictionary component. When adding a new Haystack tag dictionary to a station, the palette includes versions with and without the new implied equipRef and siteRef relations. NCCB-EquipRelation should not be implied on points with haystack 42852 **NullProxyExts** The smart hs:equipRef relation is no longer implied on points with a NullProxyExt including components in the kitControl module such as Add and And. This relation will still be implied on proxy points where the ProxyExt is something other than NullProxyExt. If a direct hs:equipRef relation is added between a point with a NullProxyExt and a component tagged with hs:equip and that hs:equip component has an hs:siteRef relation to a component tagged with hs:site, an hs:siteRef will still implied between the point and the hs:site component. NCCBhistory, niagaraDriver Unable to open histories if NiagaraNetwork is deleted 29786 You are now able to view histories from Niagara Workbench without a NiagaraNetwork present in your station. You now only need to have a HistoryService in your station. NCCB-The 'Change Tolerance' property on COV History Ext should history 36479 assume units of parent point The changeTolerance slot of NumericCovHistoryExt will now get the differential units of the parent numeric point's unit facet. This will allow the change Tolerance to operate correctly when units are being converted on the workbench NCCB-LogHistory station database file stops updating when you history 37503 change the debug service Logging handlers that are not defined in the logging properties file will now persist through a reload of the logging system; such as the one caused by updating the debug service.

NCCB- 37548	history	Hx History Table view column headers do not show up as localizable entries in the Lexicon Tool
History 1 Lexicon bacnetA	able view column headers were Tool. This has now been resolve	table (if you knew what lexicon entries to manually add), the Hx not showing up as available entries to edit in Workbench's d, such that the default lexicons for the aaphp-rt, bacnet-rt, were updated to include the missing lexicon entries so that Tool for editing.
NCCB- 37568	history	History Db Maintenance has incorrect selector labels
Improve	d the consistency of lexicon text	between the browser and workbench history modules.
NCCB- 38480	history	History can force expensive resize operation if not properly closed, delaying subsequent station startup
next stat expensiv histories has now	ion restart, it was possible for his re resize operation in order to sta , station startup was delayed wa	own gracefully (e.g. using station kill or power loss), upon the stories with a full policy set to roll to have to perform an ay at the configured capacity. Since this could affect multiple iting for these expensive resize operations to complete. This ich conditions histories can more efficiently trim themselves and tartup time.
NCCB- 5492	history, rdb, rdbSqlServer	Unable to export histories that contain +inf/-inf as a value
a Boolea exporting exporting database	n property called "exportInvalid\ validValues is false it will not inse validValues is true +/- infinity values e does not support infinite values	with infinite values. You can choose between these options with /alues" that was added to BRdbmsHistoryExport. # If ert +/- inf and nan values from the history into the database. # If ues will be inserted as a +/- Double.MAX_VALUE if the s. Otherwise it will insert the infinite value. Currently only Oracle loats. "exportInvalidValues" has a default value of false
NCCB- 20420	hx	Shapes with non-integer positions do not render in hxpx
Shapes	with non-integer positions now re	ender in hxpx
NCCB- 30925	hx, themeZebra	Use of Source Sans Pro font in N4 px pages fails in browser
Solved is	ssue where Sans Source Pro for	nt in N4 px pages rendered incorrectly in web browsers.
NCCB- 32700	hx	HxPxBorderPanes render content incorrectly when label property is non-null
	Label was added to a BorderPar This has been corrected.	ne, the border would not paint correctly when viewed in a
NCCB- 36000	hx	Some HxViews like HxHistoryTable fail to load page if contents include backslash "\"
	HxViews like the HxHistoryTable d a backslash "\". This has been	and the HxAlarmConsole failed to load if their content corrected.

		Knowledge Article
NCCB- 36114	hx	Value Binding in Hx TabbedPane prevents entire HxPx page from loading
	ve a TabbedPane with ValueBin ra 4.4. This has been corrected.	dings on it, then the HxPx page of that view stopped rendering
NCCB- 36254	hx	Navigating between views in HTML5 Hx Profile causes slow memory leak
A slow m resolved		g between different views in the HTML5 Hx Profile has been
NCCB-	hx, workbench	Enabled flag is not respected on WebWidgets in Px pages
36359	TIX, WORKSCHOFF	Enabled hag is not respected on Webwingers in 1 x pages
state cha required	anges to that property. BWbView	enabled will now properly call Widget.setEnabled() based on Binding now has a new configurable property called ermissions on the BOrd do not meet those permissions, the
NCCB- 38278	hx	hxPx has a slow memory leak due to strings being passed to setTimeout
	nemory leak caused by leaving a been resolved.	n HxPx graphic running in the browser for a very long period o
NCCB- 38290	hx	HxPx renders bajaui:Line wrong with non-null fill
	property previously caused pain ow work properly.	ting problems on Lines when it was non-default in hxpx. This
NCCB- 36023	jxBrowser, report	Report Service exports of web widgets fails because system account cannot extract JxBrowser
When ge will not re to ensure problem	ender due to file permission with e JxBrowser can properly initializ after updating to a version with t	bWidgets, JxBrowser will fail to initialize and the WebWidgets the system account. In Niagara 4.8 changes have been made the when used in a station environment. If you still have this the fix, you may need to delete this directory to get things m32\config\systemprofile\AppData\Local\JxBrowser
NCCB-		0 ' 5' (' 5
39792	jxBrowser	Security Fix for jxBrowser/Chrome in Workbench
	nch utilized jxBrowser for presen	t addresses a vulnerability in Chrome (CVE-2019-5786). ting web views in Workbench. The fix mitigates this
NCCB- 39504	kitControl	kitControl RaiseLower component causes ExpiredTicketException
Added C available DriveTim	on the RaiseLower component	boolean property to RaiseLower component. This property is in 3.8. The default value is false. When set to true, the oled moving to the limit positions: 0.0 or 100.0. Also, corrected

		· ·
NCCB- 36680	lexicon	German lexicon not using translations for bql and bajaux
but it doe		dule 'niagaraLexiconDe-rt' has translations for bql and bajaux, fixed in 4.8. As a workaround for previous versions, one can e-rt to !lexicon\de.
NCCB- 37399	mobile	MobilePx: Binding a BoundLabel to ControlPoint no longer works due to 'Cannot read property 'getType' of undefined'
	le Px pages, Labels that were bo es cause the page to fail to load	ound to a ControlPoint with a status of Null or OK would . This has been resolved.
NCCB- 37819	mobile	Niagara Mobile History Table no longer loads
Niagara	Mobile History Table would fail to	o load when webdev was turned off. This has been fixed.
NCCB- 37820	mobile	Niagara Mobile History App fails to load all histories when there is a non-standard history in the station
	history contained a Type that ha il to load. This has been fixed.	d not yet been imported by Niagara Mobile History, the table
NCCB- 39178	nSnmp, snmp	snmp driver includes own local device as part of globalCapacity.devices
	p Local device will not be counte letworkObject has been depreca	ed against license global device limit. 2) Class ated from 4.7 update2 version.
NCCB- 36064	neql	NEQL search and hierarchy traversal speed degradation
After add	ding some optimizations, neql se	arches and hierarchy traversals should be as fast or faster than
NCCB- 37687	neql	Performance degradation for NEQL queries dependent on relations
	as a performance degradation for n enhanced to resolve that degra	or NEQL queries that depended on relations. The NEQL engine adation.
NCCB- 39054	neql, tagDictionary	The BooleanFilter tag rule condition only considers the first relation
All relation	ons are now considered when ev	aluating BooleanFilter tag rule conditions
NCCB- 36628	niagaraVirtual	Niagara Virtual display String can fail if its remote Niagara type cannot be resolved locally
Starting i	in Niagara 4.6, a minor regression	on defect was introduced that could cause display Strings for

Starting in Niagara 4.6, a minor regression defect was introduced that could cause display Strings for Niagara virtuals to experience exceptions. This would only happen if the client station (supervisor) did not have a module that was installed on the remote station, and the client navigated to a Niagara virtual property sheet view for a remote type that the client station could not resolve due to the missing module. In such a scenario, the display string for the Niagara virtual would have an error message. The

workaround was to install the missing module on the client station. However, this defect has now been fixed (starting in Niagara 4.8), so the workaround is no longer required.

In cases where you have a subordinate station (e.g. JACE) reporting to a supervisor and you have enabled the on-demand Px Graphics for Niagara Virtuals. If the subordinate station contains Px graphics that utilize relative SlotPath ORD bindings with backups ("../"), when those graphics are subsequently translated/loaded in the supervisor upon accessing the Niagara virtual component, those backups will not be translated properly and the virtual ORD bindings in the Niagara Virtual Px graphic will not display properly. This is particularly evident when using 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- niagarad, platDaemon, platform Application Director Stream To File gets truncated when Paused and Loaded.	
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Prior to Niagara 4.8 pausing the output dialog of a Application Director "Stream to File" operation could truncate the stream file content if more than 32K output had been read while streaming. This has been corrected to never truncate the stream file. Do not pause a "Stream to File" operation to avoid this condition.

Previously, it was possible for client passwords to become corrupt when using Station Copier to transfer a station from a remote platform to workbench, and cause Station Copier to fail when attempting to transfer the station back to a remote platform. This has been corrected and passwords will be properly transferred. For affected versions, a workaround for this problem is to either reboot the remote platform prior to copying the station, or, for stations that have already been copied with corrupt passwords, use the Workbench "Bog File Protection" tool to "Force any password values that depend on the current file protection to be cleared." and re-enter any client passwords in the bog.

NCCB- 37369	niagarad, platCrypto	Platform Certificate Management "User Trust Store" generates too many Niagara Daemon "crypto" servlet requests.
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The User Trust Store view of the platform Certificate Management was making excessive requests to the platform and causing the requests to be mishandled, leading to error messages in the workbench console. The number of requests has been greatly reduced to minimize the chance of errors occurring.

NCCB- 37632	niagarad	Niagara Daemon WebServer only prints last-ditch exception to standard output
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Versions prior to Niagara 4.8R would not include stack trace information when the Niagara Daemon encountered errors like:

SEVERE [...][webserver] unhandled throwable (java.lang.NullPointerException) encountered, closing connection

Stack trace information will now be logged to better understand the nature of the failure.

NCCB- 41523 niagarad, platDaemon DaemonResponseException while commission bandwidth network

Prior versions of Niagara may fail to transfer a file if the transfer time took longer than 3 minutes to complete. This behavior would be more likely to occur on Niagara Daemon connections across slower network infrastructures. This has been corrected. NCCB-Allowed Hosts exemptions intermittently become unapproved nre 36337 A TLS connection that fails due to a server certificate no longer unapprove the exemption for that host. NCCB-Set the default hostname verifier to the nre 38181 **TridiumHostnameVerifier** Previously, attempting to make a connection using HttpsUrlConnection to a server using a certificate that does not match its hostname would fail even if an exemption exists for the hostname and certificate in Allowed Hosts. This has been corrected and exemptions will be properly handled when using HttpsUrlConnection. NCCBnre Client TLS handshake can get stuck in an infinite loop 38305 Previously, making a TLS connection to a server who's certificate has changed from Workbench or Station could cause the connection to hang indefinitely. This has been resolved. Workaround for affected versions is to kill the hung Workbench or Station and restart. NCCB-N4: oBIX: Audit & Log History archival fails in oBIX client with obixDriver 12669 **EOF Exception** Previously, the obixDriver would have a problem exporting the AudiHistory and LogHistory from the station. This problem has been corrected, and those histories can now be safely exported to an OBIX client. NCCB-Obix Alarms: Fault State Alarms are stored as OffNormal obixDriver SourceState in Obix client device 36560 The OBIX client alarm import mechanism has been modified to reflect incoming fault alarms as fault alarms in the local Niagara alarm console, instead of classifying all incoming alarms as offnormals. NCCB-Obix Alarms: Alarm gets Acked upon Force clearing alarms obixDriver 36562 from obix client Attempting to forceClear an alarm that was received by the station from an OBIX server would previously only acknowledge the alarm to the server. If the server was a Niagara station itself, the alarm would not be cleared on the server. This has been corrected, so if both stations are 4.8 or later, an attempt is made to force clear the alarm on the server as well. If the attempt fails, the alarm is simply acknowledged as before. NCCBopcUaClient Duplicate alarms are shown in OPC UA client 38969 Every event state transition results in a single alarm routed from OPC UA server to client. NCCBopcUaClient OPC UA: Alarms doesn't route to the client side 42702 From OPCUA build 1.0.108 build on receiving event opc-ua client will compare the complete source

node whextensic		
		te the last event message text on corresponding alarm
	T	
NCCB- 37617	orion	AlarmOrion and Entsec do not work with the MySQL Connector/J 5.1.42 or 8.0 because tables cannot be created
Tables o		base with latest MySQL Connector for both SSL and NonSSL
NCCB- 27227	pdf	Transparent PNGs in exported PX pages are low quality
	r pixelated in the PDF. This has	transparent PNG image, the transparency would often appear been improved with alpha support so transparent PNGs rende
NCCB- 40698	pdf, web, webChart, workbench	WebWidget PDF Export fails for any non-mounted ORD resulike BQL and Analytics
results f		r pages with bindings to unmounted results like BQL scheme of ou can also now mark your WebWidget as exportable to PDF ax.baja.web.BIJavascriptToPdf.
NCCB- 10103	platDaemon	After a restart some messages are not displayed in the Application Director.
size has		a Station output buffer size from 32K to 256K. The maximum his will permit larger captures of Niagara Station output in the
NCCB- 38203	platDaemon	Rebooting at prompt from "Extended Master Secret" setting does not apply change
Daemor affected re-conne	n TLS property if the user selecte versions, please select "No" at t ection completes. This has been	
Daemor affected	n TLS property if the user selecte versions, please select "No" at t ection completes. This has been	d "Yes" at the reboot prompt presented. To workaround this in he reboot prompt and then manually reboot the device once the
Daemor affected re-conne workflow NCCB-39187 If enable could incorrect	platDaemon, platform - Install API ed runtime profiles were subtract correctly report that core softwart, as the Review Step would incline	d "Yes" at the reboot prompt presented. To workaround this in the reboot prompt and then manually reboot the device once the corrected by updating the dialog to recommend this updated. Commissioning Wizard says it cannot install core software, then proceeds to install core software. ed from a target device at Commissioning time, the Wizard er for that device could not be installed. This report was
Daemor affected re-conne workflow NCCB-39187 If enable could incorrect	platDaemon, platform - Install API ed runtime profiles were subtract correctly report that core softwart, as the Review Step would incline	cd "Yes" at the reboot prompt presented. To workaround this in the reboot prompt and then manually reboot the device once the corrected by updating the dialog to recommend this updated. Commissioning Wizard says it cannot install core software, then proceeds to install core software. ed from a target device at Commissioning time, the Wizard er for that device could not be installed. This report was upde necessary core software. This incorrect notification has not

NCCB- 40582	platform	EDGE10 fails to change IP address via HxTcpIpPlatformServiceView when in daisy chain mode
would no behavior Configur	ot be applied on save if the host to has now been corrected. As a w	unges to the EDGE10 primary adapter through the Hx view was configured to use 'Daisy Chain' link settings. The HX workaround, use Workbench platform based TCP/IP based TCP/IP Platform Service View to make the changes
NCCB- 40590	platform	JACE-8000 platform configured with NTP logs AccessControlException on Station save
procedu		an AccessControlException during the Niagara Station save enabled on a QNX platform. This error does not impact the n behavior has been corrected.
NCCB- 38944	portalApi	portalApi does not download all license certificates on Workbench start
	Niagara 4.8, Workbench could fa Central, when first started. This	ill to download a license certificate, even though it exists on has been corrected.
NCCB- 36388	program	program recompile tool fails if code signing certificate configured
	certificate was configured. This h	with "Program can not be signed: Not a private key." if a code as been corrected and the Program Recompile Tool completes
NCCB- 36738	provisioningNiagara	Export csr job step fails with NPE
Export C	SR job step no longer fails with	Null Pointer Exception.
NCCB- 37400	provisioningNiagara	Filename gets incremented instead of replaced when 'Copy Templates'
Provision	ning Network Extension, existing	d from the Niagara Network Job Builder view on the files will be overwritten on the supervisor if the file names pended with a number if it already exists at the destination.
NCCB- 19508	pxEditor	PxEditor's BDouble editor can read but not write in the user's specified number format
numbers		d for editing numeric properties in the Px Editor) could only read ator. They can now successfully read numbers using the rent locale.
NCCB- 34657	pxEditor	Resizing Px widgets on a scaled CanvasPane results in rounding errors
CanvasF x=100.00	Pane could end up with dimension	ane in the Px Editor, widgets moved or resized in that ons that were not rounded to the nearest pixel, e.g. ets will now always drop exactly onto a pixel in a scaled

		Knowledge Article
NCCB- 39191	rdb	Rdbms history export fails if the source HistoryConfig contains additional frozen slots
BHistory	Config subclasses with addition	al frozen properties can now be used with RdbmsExport.
NCCB- 41398	rdb	Backport NCCB-39191 fix to Ax : Rdbms history export fails if the source HistoryConfig contains additional frozen slots
BHistory	Config subclasses with addition	al frozen properties can now be used with RdbmsExport.
NCCB- 34818	rdbMySQL	MySQL connection failure using Niagara 4.6
sent to the		ySQL Connector, a default serverTimezone property of UTC is ified in the MySQLDatabase connection properties. This has no retrieved from the database.
NCCB- 35430	rdbMySQL	Secure connections to MySQL database fails with exceptions for latest MySQL Connector/J 5.1.42 or 8.0
upgradin jar file to Trust Sto	ng to the latest MySQL Connector "mysql-connector-java.jar" If yo	o support the latest MySQL Connector/J. We recommend or/J 8.0. In order to use this connector, you'll need to rename the u're using a certificate that's not signed by a CA in the System ertificate into your station's User Trust Store and configure the ne alias of that certificate.
NCCB- 39585	rdbSqlServer	SqlServerDatabase does not support dynamic port discovery
	to 0 and adding "instanceName	bled with SqlServerDatabase by setting the PortNumber =databaseInstanceName;" to the ExtraConnectionProperties
NCCB- 37020	report	Report palette is now missing Section Header' and Report Pane'
The Rep		has been missing from the report module palette. This has
NCCB- 42043	report	html grid table ignores BCompGridColumn ord property for BSingleQueryRow
referenc		correct values for query templates with columns that had slot HTML Component grid shall now display the correct values
NCCB- 33403	saml	The Niagara SAML Service Provider does not support encrypted assertions, when the assertion uses the XML tag 'saml:EncryptedAssertion'
	upport for SAML EncryptedAsse are available for Niagara 4.4u1,	ertions, via the samlEncryption-rt module's BSamlXmlDecrypter. 4.4u2, 4.6 and 4.7.
NCCB- 35769	saml	Station must be set to UTC timezone or IdP rejects SAML messages as expired

wiich us	n issue where stations using a Sa sed with certain Identity Provider	AMLAuthenticationScheme had to be set to the UTC timezone s.
NCCB- 39167	saml	SAMLAuthenticationScheme cannot handle signed response with EncryptedAssertion
	sly, SAML authentication would f ssage-level signatures. This has	fail when the IDP sends responses with encrypted assertions been corrected.
NCCB- 41272	saml	SAML authentication ignores default and mobile web profile in prototype
	o_WebProfileConfig and web_Mo ML user is created	obileWebProfileConfig properties are no longer ignored when a
NCCB- 31477	schedule	ScheduleSelectors do not utilize facets in bajaux
Schedul	le Selectors now support enum r	ange facets.
NCCB- 33895	schedule	Cannot select 3rd party calendar schedules when adding reference type special events
3rd party	y calendar schedules are again l	listed when adding a reference type special event to a schedule
	T	,
NCCB- 37875	schedule	bajaux Scheduler cannot edit events down to the second
	in Niagara 4.8, the showSeconded in the HTML5 Scheduler.	ds and showMilliseconds facets on any Weekly Schedule will be
NCCB- 41081	schedule	TriggerScheduler in station prevents Html5HxProfile from loading
41081		
41081		loading do not work from Hx profiles, this has been corrected.
NCCB-36113 Web Chandle State added to gaps fro	Access 4.8 Trigger schedulers of seriesTransform, webChart art now defaults to no longer creatus, or non-finite value like +inf. lo return the gaps to their previou	loading do not work from Hx profiles, this has been corrected. Provide options to remove line gaps and remove hidden gaps
NCCB-36113 Web Chandle State added to gaps fro "Show S	Access 4.8 Trigger schedulers of seriesTransform, webChart art now defaults to no longer creas, or non-finite value like +inf. It is return the gaps to their previous m start flags will still be shown, It	loading to not work from Hx profiles, this has been corrected. Provide options to remove line gaps and remove hidden gaps by default eating a gap in the data when there is a hidden Trend Record, If you prefer gaps to be shown, a new chart setting has been as behavior: just set "Show Data Gaps" to "Yes." By default,
NCCB-36113 Web Chandle State added to gaps from Show Show Show Show Show Show Show Show	Access 4.8 Trigger schedulers of seriesTransform, webChart art now defaults to no longer creatus, or non-finite value like +inf. It or return the gaps to their previous m start flags will still be shown, It of the start Trend Gaps" to "No."	loading do not work from Hx profiles, this has been corrected. Provide options to remove line gaps and remove hidden gaps by default eating a gap in the data when there is a hidden Trend Record, If you prefer gaps to be shown, a new chart setting has been as behavior: just set "Show Data Gaps" to "Yes." By default, but these can now be turned off by changing the chart setting SmartTable Shift-click deselection broken
NCCB-36113 Web Chandle State added to gaps from Show Show Show Show Show Show Show Show	Access 4.8 Trigger schedulers of seriesTransform, webChart seriesTransform, webChart art now defaults to no longer creatus, or non-finite value like +inf. It is return the gaps to their previous start flags will still be shown, it is start Trend Gaps" to "No."	loading do not work from Hx profiles, this has been corrected. Provide options to remove line gaps and remove hidden gaps by default eating a gap in the data when there is a hidden Trend Record, If you prefer gaps to be shown, a new chart setting has been as behavior: just set "Show Data Gaps" to "Yes." By default, but these can now be turned off by changing the chart setting SmartTable Shift-click deselection broken

Builds 4.8.0.8 had issue in showing the labels of right click menu and buttons in backups screen. This issue is fixed in the later builds. NCCB-Security Appliance: Page over button not working for smartTableHx 41477 Consolidated Histories Entsec build 4.8.0.24 and earlier had issue in pagination of reports when the report type is selected as "Optimized" for Consolidated queries on the supervisor like the Audit and Attendance History. This issue is fixed in the builds 4.8.0.25 onwards. As a workaround in previous versions, go to the column chooser command switch the report type from "Optimized" to "Full report". Make sure to switch back to optimized after the station is upgraded to the fix version as this is more efficient for a station's limited resources. NCCBsnmp Excessive poll cycle times when using the snmp driver 38994 The poll cycles are consistent with whatever is configured NCCB-NEQL search on inbound implied relation is not returning any tagDictionary 24007 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 searches involving relations are accurate and performant. NCCBtagDictionary Tag groups no longer copied along with component 35159 In version 4.3, the endpoint ord of a tag group relation was changed from a slot path to a handle ord. While this changes allows a tag dictionary to be renamed without breaking the tag group relation, it prevents tag groups from being copied along with the components on which the tag groups are applied. Therefore, the use of a slot path ord has been resumed and tag groups will now be copied correctly. These slot path ords are corrected when relevant renames occur. NCCBtemplate Station template does not capture files 35431 Creating a station template will now contain all files in the /shared directory NCCBtemplate Station template fails to set configuration properties 35433 Station templates which require configuration changes upon deployment no longer fail to save values. NCCBtemplate Template config string tag configuration slots are tags 35823 Value tags selected as configurations of a template could be interpreted by the system as tags on the TemplateConfig component of a deployed template. This could lead to incorrect results when using hierarchies or NEQL queries. The default name of these configurations has been changed so the system won't use them as tags. The METADATA flag is also removed so these slots won't be badged as tags in a nav tree. NCCBtemplate Tab for creating Application template is named incorrectly

		Knowledge Article
36037		
The filen	ame extension for application te	mplate files shown in the Template View has been corrected to
NCCB- 36090	template	Cannot use bulk deploy to deploy a template directly to the station Config folder
deploym		eploy component templates to the station root folder. Now, these e Parent Component Slot Path cell empty in the bulk
NCCB-	template	Create Station template fails if Px page contains PxInclude
36500	template	with null ord
	catching the exception that was or PxInclude for the user.	causing template creation to fail and logging a warning about
NCCB- 36516	template	All types of templates failed to load with OracleDatabase component.
Template	es will now load and save when a	a database component is attached.
NCCB- 36695	template	Cannot have multiple Px images with the same name in device or application template
Correcte	d improper handling of template	files in subdirectories when file names were identical.
NCCB- 36696	template	Cannot have Px files outside of default location in application template
Applicati directory	·	install most types of files that are found in the station home
NCCB- 37377	template	webCharts are not loading on Px view after installing an application template
Applicati directory		install most types of files that are found in the station home
NCCB- 37934	template	Deploying a template with input or output configurations may fail or leave connections unresolved
due to Ir only BCo output lir	dexOutOfBoundsException. Not ontrolPoint instances. If a differen	les prevent deploying a template with defined input connections to that templates currently restrict output link connections to not component type (a schedule, for example) is desired for the a control point of the appropriate type and tag the control point
NCCB- 38151	template	Bulk Deploy fails input links
workshe		would not resolve template input slots declared in the Excel d input links, which would show up in the Template Manager

view on the station's Template Service.

Template Iemplate			
hen the template was changed and an upgrade applied via the template service, the display name would be removed. This behavior has been modified so that display names are maintained after the emplate from which the root component was created is modified and subsequently upgraded. **CCB-10926** **Lemplate** **CCB-10926** **Lemplate** **Lemplate** **Lemplate** **CCB-10926** **Lemplate** **Lemplate** **Lemplate** **Lemplate** **CCB-12566** **Lemplate** **Lemplate	NCCB- 39513	template	Template loses display name
Templates are deployed via provisioning Templates are deployed via provisioning Templates are deployed via provisioning Templates that contained configurations for custom Types that extended from concrete BStatusValue Types (BStatusNumeric, BStatusString, etc.) could generate a ClassCastException and fall to deploy correctly. This has been fixed to allow this type of deployment. Template Unable to set platform credentials via template configuration Device platform credentials can now be selected as configurations when creating a template. Device station (Fox) credentials were already supported as configurations. Templates Lucid Theme: Unable to see user selection in the right click menus with webdev on the highlight of the menus with webdev on the highlight will occur whether webdev is on or off. Templates are deployed via template and the action of the plate of the plate of the highlight will occur whether webdev is on or off. Templates are deployed via template and the plate of t	then the would be	template was changed and an useremoved. This behavior has be	upgrade applied via the template service, the display name sen modified so that display names are maintained after the
Templates are deployed via provisioning Templates are deployed via provisioning Templates are deployed via provisioning Templates that contained configurations for custom Types that extended from concrete BStatusValue Types (BStatusNumeric, BStatusString, etc.) could generate a ClassCastException and fall to deploy correctly. This has been fixed to allow this type of deployment. Template Unable to set platform credentials via template configuration Device platform credentials can now be selected as configurations when creating a template. Device station (Fox) credentials were already supported as configurations. Templates Lucid Theme: Unable to see user selection in the right click menus with webdev on the highlight of the menus with webdev on the highlight will occur whether webdev is on or off. Templates are deployed via template and the action of the plate of the plate of the highlight will occur whether webdev is on or off. Templates are deployed via template and the plate of t			
CCB- 25653 whapplet Web Start was not getting updated between navigation to different views. That has now been fixed and the address bar shall show the correct view. CCB- 26669 whapplet, web CCCB- 26669 whapplet Web Start was not getting updated between navigation to different views. That has now been fixed and the address bar shall show the correct view. CCCB- 26669 whapplet, web CCCB- 26669 whapplet CCCB- 26669 whap	NCCB- 40826	template	
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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- 33228	webChart, webEditors	WebChart fails to load when encountering invalid units

WebChart failed to load when a point or history had custom Unit which wasn't in the Unit.xml database. This has been corrected. Custom unit.xml symbols also now properly display on the bajaux PropertySheet of NumericWritables. As a workaround in previous version, the unit.xml can be modified to include those missing units.

NCCB- 35863	webChart	Exporting histories to a chart file does not relativize any points with histories
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Added support for relative ords when saving chart files for n:history tags and points with history extensions. Solved issue when editing chart files with relative ords not correctly re-saving relative ords.

NCCB- 39555	webChart	Predefined chart displays can show incorrect time periods
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When loading a predefined chart or if the Data Zoom or Time Zoom was active while switching time ranges, it is possible that some of the data would not show up on the chart unless it was manually zoomed to. In addition, there was another problem with not showing a ToolTip when the sampling could not be turned off due to too many points, and another problem with persisting an unlock of an axis that was previously locked. These problems have all been corrected.

NCCB- 29589 webEditors Enumerated points do not display configured facets in using html5 profile

Resolved issue with EnumRange displaying the wrong value when facets are used to override the enum display strings in HTML5 Profile.

NCCB- 36129	webEditors	HTML5 Property Sheet fails to load if a slot is named "toString"
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In BajaScript, baja.Complex#getDisplayName would sometimes return the wrong value for a slot named "toString". The HTML5 Property Sheet would also fail to load if a slot was named "toString". Both issues have been fixed.

NCCB- 36141	webEditors	Manager Column Chooser no longer shows which columns are already visible
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When showing or hiding table columns in HTML5 views, the checkmark icon showing whether the column was shown was not visible in the Zebra theme. This has been corrected so the checkmark is always visible.

NCCB- 37586 webEditors bajaux Job log now shows [Object Promise] instead of timestamp

Knowledge Article 1/23/2020

> When viewing the contents of a job log from the HTML5 Property Sheet, timestamps would appear as \ [Object Promise\] instead of the correct timestamp. The correct timestamp will now be shown. NCCBwebEditors bajaux exporting fails for manager views that have folders 38091 BajaUx manager views containing folders can now be exported. Bajaux PropertySheet commands do not show NCCB-BComponent.checkSetFlags and other check method errors webEditors 40605 to users When editing flags, facets, slot names, or slot display names on the HTML5 Property Sheet, any errors that originate server-side will now be displayed in an error dialog. NCCBwebEditors CircularGauge does not honor unitConversion point facet 41530 Circular Gauge now presents the properly converted tick marks when the unitConversion point facet is used. NCCB-Wiresheet will not load if two components share more than wiresheet 37564 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. NCCBworkbench SanSerif font is the widget default and causes problems 31016 Resolved an issue that caused hxpx default font to render incorrectly. NCCB-Cannot scroll Workbench panes with 2 fingers on the trackpad workbench 34392 Improvements have been made to allow for smooth trackpad srolling. If you are a developer overriding BWidget.mouseWheel, make sure to use the BMouseWheelEvent.getPreciseWheelRotation. Here is an example: @Override public void mouseWheel(BMouseWheelEvent event) { vbar.scrollByUnits(event.getPreciseWheelRotation()); } NCCB-Pseudo Categories don't respect readonly for non-superuser workbench 37349 Category browser/CategorySheet Currently, if a user does not have adequate permissions to make category changes, he is still able to make edits in the Category Sheet and Category Browser but saving the views results in an exception. This has been fixed and now if the user does not have admin write privileges for his role AND does have admin write privileges to categories then the Category Sheet and Category Browser cells will be read only. Additionally, if the user has operator read permissions to a category, he will now be able to see the real names of the categories in the Category Browser and Category Sheet instead of pseudo names like

"Category 1", "Category 2", etc.

Description (cont.)

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