Issue Key	Module	Release Note
HAREMB-1330		Since the OS version upgrade of the JACE-8000 and EDGE-10 in 4.8, the CCN driver would fail to properly reconnect to a local CCN Network when the Niagara Station was rebooted.
HAREMB-1567		In Niagara 4.9, the BACnet MSTP driver did not exit wait for reply state if there was no reply. This issue has now been fixed.
HAREMB-1655		Versions of the EDGE 10 controller running Niagara prior to 4.10.1 could fail to set the System Time from the System Shell Menu. This has been corrected. Use the Platform Administration View as a workaround.
HAREMB-1659		Versions of the EDGE 10 controller running Niagara prior to 4.10.1 could fail to set the System Time from the Niagara Station System Platform Service. This has been corrected. Use the Platform Administration View as a workaround.
NCCB-49775		The Niagara Framework will now correctly enumerate the contents of the /etc/sysconfig/network-scripts directory on RHEL 8 and CentOS environments. Previously only a single file from this directory was being displayed in the TCP/IP Platform Service for those platforms.
NCCB-50001		Searching in the Niagara Help would return a NullPointerException if the search result yielded a missing doc.
NCCB-42674	ace	When using the "Lucid" theme, the Ace wiresheet workbench view tab name was displaying the wrong text style.
NCCB-39195	alarm, bql, webEditors	The EnumSetEditor (example: found in the filter view of the UX Alarm Console to configure Ack State) was not resolving its respective lexicon, where applicable. When no lexicon entry is found, it will fallback to the tag display name.

NCCB-48698	alarm	Configuring Niagara to route alarms to a remote station and choosing to replace the alarm class (via the Niagara Alarm Device Ext), the "Ack Required" flags were not updating with the replacement class's flags configuration.
NCCB-49564	alarm	When viewing the UX Alarm Console while using an open-ended time range (example: "today", "last 24 hours", etc), newly generated alarm records were not displaying.
NCCB-50775	alarm	When using a deadband value of 0 to configure the High or Low limit(s) of the OutOfRangeFaultAlgorithm or OutOfRangeAlgorithm, the algorithm was including the limit value to calculate the alarm transition.
NCCB-52967	alarm, bajaui, hx, kitPx, themeLucid, themeZebra	When viewing in a web browser graphics created using UxMedia and HxPx, text size for Web Widgets failed to conform to expected sizes. In addition, foreground gradients on labels in HxPx were not displaying correctly.
NCCB-53629	alarm, bajaux	While navigating through the alarm records using the UX Alarm Database View a user could inadvertently create a note for the wrong alarm record.
NCCB-49540	analytics	When using the BFormat: %.% with a value binding, some custom ORD schemes (Example: Analtics Rollup scheme) was not showing proper facets.
NCCB-53965	analytics	Upgraded the data tables version to 1.11.3 to address a Prototype Pollution vulnerability.
NCCB-43748	bacnet	When the EDE record is now exported as csv or printing it internally to the console, contains the new column "notification class". When performing an EDE point discovery from supervisor and importing the csv file, the points are added with new facet "notificationClass".

NCCB-47640	bacnet	In previous versions of Niagara, when a connected network cable was disconnected, instead to resetting the IP Adapter, the Driver would not poll for the network connection on a regular basis and disable the port. This behavior has now been fixed, as upon reconnecting the cable, the Adapter will be able to find an IP Address and then the driver will enable the port.
NCCB-49783	bacnet	The BACnet driver fails to generate an alarm for an exported point when Out Of Service reads True. An action has been created to reorder an alarm and the out of service ext such that the Out Of Service ext will be on top thus allowing the alarming regardless of Out Of Service value. The action can be found on the hidden slot under the Export Table "ReorderOutOfServiceExt"
NCCB-51832	bacnet	Niagara checks and respect maxSegmentsAccepted value &thus not send any message segments. "bacnet.client" fine level now logs for during the addition of maxSegments property and change of maxSegmentsAccepted vaue.
NCCB-52767	bacnet	Corrected an issue that could cause a station to become unresponsive when attempting to access a virtual component of a down device.
NCCB-53132	bacnet	The File object created as configuration file during Backup processes now exports correctly from the Export Table, preventing Unknown Object error or any failure scenario, ensuring backup is reliable now.
NCCB-53283	bacnet	Niagara now uses Device Registry value to set the segmentation supported property. "bacnet.client" fine level log for changes to the maxAPDULength &segmentationSupported property value.

NCCB-53726	bacnet	Since Niagara 4.6, the Alarm Inhibit property of an Alarm Source Ext being exported by BACnet was being set based on the Event Detection Enable property of the Bacnet Point Descriptor. This was incorrect behavior and that has now been removed. In the process of fixing this issue, the updateAlarmInhibit method of BBacnetEventSource and its concrete implementations have been deprecated.
NCCB-53955	bacnet	If proxy bacnet device's boolean property "disableDeviceOnCovSubscriptionFailure" (default value = true) value is true, &if then any of subscribe/unsubscribe COV/COV Property request fails due to TransactionTimeoutException, then the device is marked down. Client would not send subscribe/unsubscribe COV/COV Property request if found proxy Bacnet device to be not operational (down, disabled or fault).
NCCB-53979	bacnet	Enable FINE logging for logger "bacnet.stack" logs new/updated Device-Entry value for a corresponding proxy Bacnet device. Enable FINE &FINEST logging for logger "bacnet.client" logs execution finish of functionality for proxy Bacnet devices.
NCCB-54452	bacnet	Previously, the BACnet overridden status flag was being set when the Niagara overridden status flag was set. The Niagara overridden flag is set whenever In8 or In1 is the highest priority non-null input of a writable point. This Niagara definition of overridden, however, does not match the BACnet definition. Now, the BACnet overridden flag will not be set regardless of whether the Niagara overridden status flag is set.
NCCB-23991	bacnetAws	Running a new backup after old restore/backup works smoothly.
NCCB-50270	baja, bajaScript	When a BComponent was subscribed with a Subscriber, unmounted from the component space, and then remounted, the same Subscriber instance could not be used to resubscribe that same BComponent instance. An example of this unmount/remount is when performing a cut/paste action on a component.

NCCB-50909	baja, bajaScript, box	When calling getDisplay on a baja.Complex, if the slot had changed value while the page was running, the resulting string would not respect slot facets. One example of this was kitControl:CurrentTime. It defaults the showSeconds facet to true. But once the page was up and running and the out value was changing, currentTime.getDisplay('out') would start to ignore the facet and omit the seconds.
NCCB-51661	baja	When deleting a station user from Workbench, sometimes the deleted user would still appear in the Workbench views (nav tree, etc) for that session, even though the user was actually deleted on the station side. Often a corresponding UnresolvedException nuisance error would also appear in the Workbench console. This lingering effect on the client side has now been fixed.
NCCB-50503	bajaScript	When using an HTML5 profile to edit number values in the locales bg, es, et, lv, or pl*, a comma used as a decimal point would not be parsed as such. Entering 0,55 would be interpreted as "fifty-five" instead of "zero point five five". This has been corrected. * This list of locales may not be exhaustive. Any locale that does not apply group separators to numbers less than ten thousand - i.e., one that would print "9999" instead of "9,999" - was affected.
NCCB-51196	bajaScript	BajaScript's BatchResolve was not capable of correctly resolving an ORD of the form station:|h:handle|virtual: where the handle was to a Virtual Gateway. This has been corrected.
NCCB-50743	bajaui	Px Properties that are linked to properties of Bindings are now supported in UxMedia.
NCCB-51256	bajaui, uxBuilder	The UxMedia Command didn't always show you the preview you want so now this is clarified by clarifying the options as "Stored Media Type" and the "Show UxMedia Preview". When in Audition Mode and "Show UxMedia Preview" is ON, using the audition navigation will stay in preview mode.

NCCB-51420	bajaui, gx, hx	In previous versions, HxPx and UxMedia did not display some gradients on horizontal or vertical lines (as well as some rectangles with no height or width). This has been corrected.
NCCB-51622	bajaui, uxBuilder	Previously, web widgets such as circular gauge and web chart would not respect the theme's font in UxMedia. This has been fixed.
NCCB-52895	bajaui	In previous releases, the Label image would incorrectly draw over text in browser with negative textIconGap. This has been corrected.
NCCB-51424	bajaux	Previously, when viewing a container of proxy points in the HTML5 Property Sheet, the rows for the proxy points would not display the Actions button even though the proxy points in those rows had actions available to fire. Now, the Actions button will appear in rows containing proxy points with fireable Actions.
NCCB-52649	bajaux, webEditors	The performance of some Table and TreeTables views (like the Cloud History Export Manager) has been improved by minimizing the HTML parsing done by the table.
NCCB-53664	bajaux	In 4.10U1 without this patch, images with a space in them will prevent the page from loading in UxMedia and some other views. This has been corrected.
NCCB-53679	bajaux	Previously, spandrel would diff the DOM as returned by the render function against the live DOM element in the document. This means that changes to the live DOM element that were made after rendering would be lost on the next render. Now, spandrel diffs the rendered DOM against the DOM from the previous render, and applies that diff to the live element.
NCCB-38392	box, history, jetty, webChart	WebChart and the Bajaux History Table now support subscribing to NiagaraSystemHistoryImport.

NCCB-46207	ccn	Previous versions of the Niagara CCN driver could throw an ArrayIndexOutOfBoundsException when discovering and adding tables in a CCN Device. This has been corrected.
NCCB-48800	clientCertAuth, jxBrowser, workbench	Fixed an issue where a certificate chooser dialog was sometimes incorrectly being shown on US views.
NCCB-53680	docDeveloper	The Niagara Developer documentation related to "grunt-init-niagara" has been out of date since the introduction of spandrel and other enhancements to building Bajaux widgets. This has been fixed now in "grunt-init-niagara" and the corresponding Developer document.
NCCB-54870	ecc508	A bug was discovered in the hsm jar that prevented keys from being retrieved when used with Bouncycastle 1.68 and above.
NCCB-50367	email	Emails are attempted to be sent again in case there is an issue while sending them. A new system property niagara.email.maxNumberOfRetriesBeforeDiscard=6 is added now. In case of an exception, while sending an email, the EmailService would try to send the email again. This system property specifies the number of retries the EmailService would make before discarding the email. The default value is 6.
NCCB-50922	entsec	In affected Niagara versions, multiple threads simultaneously accessing the Niagara keyring could cause an engine watchdog timeout to occur. This has been resolved by making the keyring more tolerant to simultaneous access.
NCCB-44832	exportTags	In prior versions of Niagara, the CategoryMask field editor was incorrectly disabling categories for users with appropriate permissions. This has been fixed now to function similar to other Category-based editors like CategorySheet and CategoryBrowser with regards to how permissions for Categories are checked and displayed for selection.

NCCB-49183	fox, haystack, tagDictionary	The performance of Haystack smart equipRef (EquipRelation) and siteRef (SiteRelation) relations has been improved so they may be used in the station without a significant increase in SystemDb index time. These smart relations are included in the Haystack tag dictionary in the haystack palette under the folder named "Includes smart relations (recommended)". The version property of this dictionary will be set to "3.0.2 N.2 w/ SmartRefs (import)" once it is added to a station.
NCCB-49501	fox	Prior to this fix, certain query ORDs (e.g. those containing NEQL or BQL queries with a relative slot path base) would not resolve when viewed from Workbench. For example, this problem could have manifested in Px views for ORD bindings containing relative slot paths followed by NEQL or BQL queries (widgets with such ORD bindings wouldn't resolve). Displaying the same Px view in the browser view would typically not have this problem. This defect is now fixed, so that these ORDs will resolve properly in Workbench.
NCCB-49590	fox	When using the Niagara Point Manager view against a NiagaraStation in the NiagaraNetwork, after point discovery, if you selected a lot of discovered points in the 'Discovered' table and clicked the 'Add' command, it would often take a long time to respond and display the 'Add' dialog for confirming the Niagara proxy point creation details.
NCCB-50226	gx	In previous versions of Niagara, image dimensions that were computed on a JACE were not properly cached to reuse this information. This has been corrected and HxPx pages with a heavy amount of images may see a performance increase of up to 3% faster load times.
NCCB-51466	hierarchy	The hierarchy scheme is now allowed in ORD queries. This will allow you to resolve tag based bindings in the hierarchy space.

NCCB-42857	history	Prior to this fix, if you had an application (perhaps a history chart) that performed a delta history query and got back a HistoryCursor of delta results, if you attempted to use the pre and/or post history record facets from the HistoryCursor's context, those records would use the raw history record value(s) instead of properly formed delta values.
NCCB-50184	history	When the history has already been imported into the local station, the web history table now supports loading in histories via virtuals. This can be achieved by setting the table's ord to the slot path of a component with an n:history tag or pointing it to a history extension.
NCCB-50716	hx	Firefox will no longer autocomplete the password field when updating a user, which subsequently would require a password change in order to update the user.
NCCB-50748	hx, webEditors	Niagara 4.10 Html5HxProfile now includes a Media Command on PxPages for helping to switch between HxPx and UxMedia. users who already have "enable view selection = No" will not get the new command. If you want to disable this command for all users, you can use the system property "niagara.profile.hideMediaCommand=true".
NCCB-50777	hx	When upgrading from Niagara 4.8 to 4.9 or higher, svg files stored in modules would not stretch properly in HxPx when used with a BPicture with a scaleMode setup like "fit".
NCCB-53325	hx	In 4.10 Release, UxMedia and HxPx did not support showing a foreground gradient when the textToIconAlign is set to 'center'. This has been corrected.
NCCB-53334	hx, webChart	Mouse positioning for webChart is now correct in the latest version of firefox unless it is on a CanvasPane with scaling applied.

NCCB-53693	hx	In previous versions, if your custom widget relied on a unique ViewQuery parameter to load, the HxPxCache would improperly cache your view without regard to your unique ViewQuery parameters.
NCCB-54414	jetty, web	The Jetty Webserver in a Niagara release will now support setting the maximum and HTTP request and response header size.
NCCB-53769	js	Underscore.js has been update to version 1.13.1.
NCCB-52228	jsonToolkit	The Relative Topic Builder in the jsonToolkit palette contained unnecessary quote marks in the template, these have been removed.
NCCB-54162	jxBrowser	In 4.10U1 Release, any WebWidget with an Iframe to a station view will not load in workbench.
NCCB-54479	jxBrowser, workbench	In previous Niagara versions, when connecting to a station via a hostName in workbench, Web Widgets would incorrectly connect using that hostName's IP address instead of a hostName. This would sometimes lead to a certificate approval dialog when it was not required.
NCCB-54874	jxBrowser, workbench	In previous Niagara versions, JxBrowser would initialize as part of a station's WebWarmup for HxPx pages, and this can cause delays in the station startup and it would created unneeded chromium processes. This has been corrected so a station process should only startup JxBrowser if its needed for WebWidget Pdf generation.
NCCB-50464	kitControl	In versions of the Niagara Framework prior to 4.11, the kitControl MultiVibrator object could throw a NotRunningException on normal Station shutdown. This has been corrected so that no exception is thrown.
NCCB-49141	kitPx	When multiple SetPointBindings were used on an HxPx page, and that page was saved, an audit log record would be generated for each binding, whether the user actually

		changed the values or not. Now, SetPointBinding will only generate an audit log record if the value actually changes.
NCCB-53339	kitPx, uxBuilder	The UxMedia ImageButton images for different states such as pressed and mouse over now update correctly on state change.
NCCB-29239	kitPxN4svg	The following problems with kitPxN4svg have been fixed: - All images in Coils, Dampers, Ductwork (except round ductwork), Fans, Filters, and Piping/large_piping have been pixel-quantized so that when they are laid next to or on top of each other, they will correctly align without having to do any pixel adjustments. At default zoom levels, there should be no strange breaks or gaps between them whether viewed in Workbench or browser. Different browsers still perform different alignment math on SVGs at different zoom levels.
NCCB-41730	lexicon	An issue of seeing lexicon values randomly is resolved
NCCB-52836	lonworks	Previous Niagara 4.10 versions of the Windows LON Network required that the Niagara Station restart in order to re-add a local LON Network that had been removed. The 4.10 Update 1 LonNetwork can now be removed and re-added without a Niagara Station restart.
NCCB-46132	mqtt	If there is one authenticator present in the device. If user try to add another authenticator into the device, then it should block the user by showing popup message as "Device has already an authenticator; No more than one authenticator allowed per device."
NCCB-52670	nSnmp	In linux workbench "*Create MIB*" option generates a MIB file and save it in provided path now, this was failing earlier due to an incorrect ord generation.
NCCB-53835	nSnmp	Snmp tables are now added properly with accurate data in respective fields.

NCCB-28388	ndriver	Niagara 4.11 now includes documentation of the ndriver framework source code. As such, the source and bajadoc documentation for the deprecated basicdriver and devDriver have been removed.
NCCB-30141	ndriver	In affected versions, ndriver TCP drivers would open a server socket with no ability to disable if a server is not desired. Leaving the port configured to '0' would open the socket on an automatically selected port. There is now a "serverEnabled" property on BTcpCommConfig that, when set to false, will prevent a server socket from opening.
NCCB-34387	ndriver, template	In previous versions of Niagara, device template processing during device discovery for nDriver-based drivers was slowing down the process. The processing has now been optimized to improve device discovery performance.
NCCB-40017	ndriver	In affected versions, ndriver http connections do not support multiple http request/response headers with the same name. New methods have been added to NHttpMessage to support multiple headers with the same name. See NHttpMessage documentation for more details.
NCCB-48805	neql	Prior to this fix, NEQL traverse queries like "hs:ahuRef->" would work as expected but negated traverse queries like "not hs:ahuRef->" would have an empty result set even when there shouldn't be. Now negated traverse queries behave as expected.
NCCB-50188	niagaraDriver	Px Views containing Px Includes with Px properties (for example, to animate an ORD property for a binding) were not resolving correctly when viewed in a Niagara virtual Px rendering.

NCCB-46392	niagaraVirtual	Prior to this fix, the audit record for a user event against a virtual component would display a partial slot path in the 'Target' field. This has now been fixed to report the full path to the virtual component, including the path to the virtual gateway. This is especially helpful for audit records against Niagara virtual components because the path will now include the remote NiagaraStation's name which makes it easier to distinguish where a change was made.
NCCB-47336	niagarad	Previous versions of Niagara may have printed a NullPointerException to the Niagara Daemon output when a connection to the Application Director was abruptly closed.
NCCB-50087	niagarad	In previous versions of the Niagara, the Daemon on Linux platforms may have sporadically exited on long running platforms during platform user authentication.
NCCB-51352	niagarad, nre, platCrypto, provisioningNiagara	Niagara releases prior to 4.11 could fail to report an error when importing a X509 Certificate to a platform in the Platform Certificate Manager and/or the Provisioning Extension Import Signed Certificate Step. A failure to import the X509 Certificate will now raise an appropriate error dialog with a relevant error message.
NCCB-51351	nre	The default maximum heap size of the Niagara Station application on Supervisors has been increased to 1 GiB. The default maximum heap size of the Niagara Workbench application on Supervisors has been increased to 2 GiB.
NCCB-53141	opcUaClient	User can now connect to a server by using application uri in a Niagara certificate.
NCCB-54277	opcUaClient	Now client can configure custom operational limit in opcua client. It will help client to connect to server which does not support operational limit. Client should make the operational limit 500 before starting communicating with server so that client can communicate with server. To read histories client needs to modify the start date to provide today's date (i.e when client wants to read histories). Block communication with server if device is down (making client more robust).

NCCB-54650	opcUaClient	Points updated from 4.9 will now use old UaNodeId after update. After successful connection of the client to the server, the points will start fetching the information. To upgrade those points so they contain Namespace URI a hidden action Update Namespace URI needs to executed.
NCCB-52617	orientSystemDb	In Niagara 4.10, the Orient SystemDb selection would fail to start in certain Linux environments due to AccessControlExceptions.
NCCB-21256	platCrypto	Support for PrivateKeyInfo formatted private keys is now supported. In addition, starting with 4.10u1, certificate chains that are out of order, will be sorted during import.
NCCB-30248	platCrypto	Previously, when a Niagara Station client connected to a host with an approved exemption and the certificate is changed on that host, the exemption change would not be reflected in the Platform Certificate Management view. The changed exemption could only be viewed/approved from the Station's Cert Manager Service.
NCCB-49906	platCrypto, workbench	In affected versions, the Jar Signer Tool may fail to sign jar files that were modified by an archive management tool.
NCCB-50219	platDaemon	Previous versions of Niagara may have created a blank "Loading Module Information" dialog when invoking the "Configure Runtime Profiles" command in the Platform Administration View.
NCCB-51370	platDaemon	Previous versions of the Niagara Workbench Platform Administration View could show incorrect file system information from previous platform connections when navigating between multiple platforms.
NCCB-53659	platform	Previous versions of the Niagara Framework that used NTP in the "Client" host mode could fail to synchronize with the configured time servers. This has been corrected. "Server" and "Server (Timeonly)" modes were unaffected.

NCCB-33870	provisioningNiagara	During the License Update provisioning step execution, the Niagara license portal returns both AX and N4 licenses for an updateLicense request if both exist. The AX license is always the last in the list, and was being selected for installation. This fix recognizes if the target platform is N4 and if so skips AX licenses.
NCCB-37659	provisioningNiagara	The Update Licenses provisioning step will now run appropriately when Bootstrap Mode is enabled.
NCCB-48489	provisioningNiagara	The default Station Shutdown Timeout for the Provisioning Niagara Network Extension was increased from 180 seconds to 300 seconds in order to allow larger stations more time to restart.
NCCB-51882	provisioningNiagara	Provisioning device job logs can now resolve the related job details logs when the supervisor time zone has shifted.
NCCB-51909	provisioningNiagara	Provisioning jobs run against devices with a non-functioning platform connection will provide an appropriate error message in the job log.
NCCB-53055	provisioningNiagara	If a unique value for a station is added to the "Set Property" provisioning step and is subsequently removed from the Niagara network, if the step is opened for editing then the missing station will be removed from the job.
NCCB-53057	provisioningNiagara	The Set Property Job Step now properly handles Complex types with requirements for parenting types.
NCCB-53058	provisioningNiagara	Logging for the Set Property Job Step was fixed to properly display property types in the event of an exception.
NCCB-44804	rdb	Fixed the RDBMS History Import Manager discovery job using Oracle database connection.
NCCB-44801	rdbOracle	Users now can use query predicates when importing histories through RdbmsHistoryImport under an OracleDatabase.

NCCB-50307	rdbOracle	Oracle 12.2 increased the maximum size of most identifiers from 30 to 128 bytes. Niagara's Oracle Dialect has now been updated to increase the character limits on the table name, index name, column name, and sequence name so that it can handle history exports for history names up to the 44 character history name limit.
NCCB-51419	saml	Fixed an issue that caused SAML authentication to fail when the Web Service's "Same Site" property was set to "Lax". It should now work correctly when the "Same Site" property is set to either "None" or "Lax".
NCCB-53145	saml	In Niagara v4.10u2, and later versions, the SAML provisioning job step has been updated to require the specification of both a signing certificate and an encryption certificate (prior versions used a single shared certificate for both signing and encryption). This change was required to facilitate using SAML in FIPS mode which does not allow sharing a single certificate. In non-FIPS mode the same certificate can be specified for signing and encryption. However, it is recommended to use two different certificates.
NCCB-52397	schedule	When viewing the Summary tab of a weekly schedule, the summary text would not localize the day of the week to the current user's language. This has been fixed.
NCCB-39691	seriesTransform	Errors not longer occur for data facet and flag exceptions when using BajaScript to retrieve series transform data and iterating through it with a cursor.
NCCB-46288	seriesTransform	Sorting columns on a series transform terminal node now works and will be persistent.
NCCB-49730	slotomatic	In some cases, running the slotomatic Gradle task on a Java file containing invalid slot code would fail with an unhelpful error message. Error reporting has been improved to indicate the file which caused the error and the nature of the error.

NCCB-19653	tagDictionary	Fully-qualified (ID includes a namespace) tags, tag groups, and relations can now be imported. A fully-qualified tag in a tag group or tag rule must be included in the imported tag definitions, and javax.baja.tagdictionary.BRelationInfoList method getRelation(Id id) no longer requires the namespace of the Id parameter to match the namespace of the tag dictionary
NCCB-51037	tagDictionary, template	Corrected an issue that would result in malformed or missing tag group references in a deployed template after editing the template.
NCCB-51206	tagDictionary	Removed the Edit Tags context menu option and Ux Tag Manager view on virtual components as these options do not exist.
NCCB-51630	tagDictionary, webEditors	HTML5 Edit Tags dialog was not using minified javascript when loaded from the right click context menu, it now does (unless in webdev mode).
NCCB-43455	template	Fixed an issue that allowed the Application Template Editor to mark both a device and its containing folder as optional components, resulting in inconsistent behavior during template install.
NCCB-46779	template	An issue was fixed where application templates generated from older default application templates could fail with a Null Pointer Exception.
NCCB-50438	template	Corrected an issue that would cause value changes to template inputs from the template editor to fail to save.
NCCB-51069	template	In previous versions of Niagara, there are times when device manager views to fail to display when a module file cannot be read.
NCCB-51103	template	When deploying a template where I/O binding links are made from a single output to multiple target inputs, the post deploy information dialog now shows correct binding info.

NCCB-51307	template	Corrected an issue that would prevent new template saves when there is a link from a frozen slot of the root component.
NCCB-51442	template	Corrected an issue that prevented saving a template when a defined configuration property name contained some non-alphanumeric characters.
NCCB-51481	template	Corrected a condition that allowed new templates to overwrite existing files without warning.
NCCB-51566	template	Resolved an issue that may log a null pointer exception when template service scans for defaulted passwords in templates during startup.
NCCB-51815	template	The Install Application Template dialog was updated to accommodate a larger font.
NCCB-52852	template	Fixed an issue where incomplete template property configurations in Template Editor may have prevented saving a template.
NCCB-40637	tridium-gradle-plugins	In previous versions of Niagara, workbench would allow for core Tridium update build modules (for example baja 4.9.1.28) to be installed to an earlier version of Niagara in that long term release cycle (for example baja 4.9.0.198) without requiring commissioning. This behavior has now been corrected.
NCCB-49954	uxBuilder	In Niagara 4.10 there was a problem with the WebBrowser Widget rendering too small when they were placed on Responsive Pane within UxMedia, this has been corrected.
NCCB-49429	videoDriver	New ControlPanelWidget will scale as per the user's requirement.
NCCB-45933	webChart	In previous versions, the color and chartType of a series in a web chart chart file were ignored for series with History Data.
NCCB-49408	webChart	WebChart will now respect 'weekday.firstDayOfWeek' from the baja lexicon.
NCCB-50364	webChart	After the introduction of pre and post record functionality to webChart, it was discovered that these pre and post records can scew the data on a chart when

		sampling is turned on. When sampling, pre and post records are now only included on the chart if the sampling type is set to average.
NCCB-51683	webChart	Previously, bar chart groups did not align properly with the start and end of the sampling period. This has been updated.
NCCB-52102	webChart	Exporting a web chart with a huge number of points (tens of thousands or more) to CSV would take an unreasonable amount of time and sometimes cause the browser to disconnect from the station.
NCCB-52418	webChart	In previous versions, Chrome might cutoff a portion of a Circular Gauge in UxMedia if its not directly on a Canvas Pane.
NCCB-35028	webEditors	In the previous version of Niagara, the Bajaux Property Sheet would incorrectly show relations, and properties of type Action and Topic. Also, the bajaux Ord Chooser would hide links.
NCCB-50505	webEditors	Display Name icons on the Ux PropertySheet did not line up correctly because of some CSS styling inconsistencies. This has been fixed now by switching to CSS FlexBox and all the icons and Display Names should now line up correctly across all browsers.
NCCB-50714	webEditors	Previously, there was an issue with firefox highlighting content on the right side of a split pane.
NCCB-51546	webEditors	Previously, there was an issue saving the value of a TabularConversion editor in browser. Additionally, the popup editor for a generic tabular conversion did not open when the user clicked edit.
NCCB-52900	webEditors	The bajaux AbsTimeEditor now hides the time zone based upon the showTimeZone property. In addition, the time zone will not show if the user's date format settings does not include the time zone in it.

NCCB-8385	webEditors	When using the HTML5 profile to invoke an Action with a Complex argument, a wrong or inappropriate editor would sometimes appear. Now, if an editor with form factor "mini" is available it will always be used. If one is not available, a Property Sheet (or a more specific subclass of Property Sheet) will always be used.
NCCB-48664	wiresheet	In prior Niagara versions, if a wiresheet consisted of components configured to display multiple level of composites, it took a significant amount of time to load the wiresheet. As a part of this optimization, the ability to show the outgoing knob colors is now turned off by default. Users can turn this feature back on by setting this system property "niagara.wiresheet.leaseForOutgoingStubColors" to true. Since, turning this property on involves expense leasing, exercise caution.
NCCB-24207	workbench	Previously, any hyperlink within the Dialog Launcher from a kitPx:PopupBinding PopupDialog would not work.
NCCB-49148	workbench	In previous versions of Niagara, some options on the first step of the New Module Wizard could be hidden. In affected versions, the window can be resized to reveal the hidden options.
NCCB-49475	workbench	The Undo and Redo commands in the Workbench Edit menu were not functional, only the toolbar buttons.
NCCB-50003	workbench	Taken measures to prevent a WebChart or CircularGauge embedded in a Px page from intermittently failing to load when viewed in Workbench.