

Issue Key	Module	Release Note
NCCB-54795	abstractMqttDriver	The abstractMqttDriverNetwork ping function did not always trigger a connection attempt on the device when down and not connected. Previously the MQTT driver would read the mqtt.connectionLostWaitingTime system property, but will now use a slot on the BAbstractMqttDevice to control the delay.
NCCB-55852	abstractMqttDriver	In 4.11 deployments, the Niagara MQTT Driver was unable to connect to AWS IoT. 4.11 TLS handling has been corrected by supplying trust anchors on a TLS connection.
NCCB-29232	alarm	Prior to this fix, when there were many open alarms and the Alarm Service capacity was changed, refreshing the UX alarm console would result in exception messages in the station log. These messages are no longer logged under the same conditions.
NCCB-29893	alarm, alarmOrion	The HTML5 Alarm Console view was loading much slower than the AX Alarm Console view when using the OrionAlarmService for a large number of open alarms. Sometimes the view could even timeout waiting for results to load. After this fix, the HTML5 Alarm Console view's loading performance should be similar to the AX Alarm Console view for the same number of open alarms sourced from the OrionAlarmService.
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-52967	alarm, bajau, hx, kitPx, themeLucid, themeZebra	When viewed in a web browser, graphics created using UxMedia and HxPx had text size for Web Widgets that 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-53996	alarm	Alarm classes and recipients can be organized in subfolders using BAlarmClassFolder components. Updated the Alarm Recipient to fix the issue with viewing the alarms in case the alarm class topic is linked to the recipient via a composite link.
NCCB-56434	alarm	UxMedia BoundTables to bql results for an AlarmClass or ConsoleRecipient type would fail to load any results.
NCCB-56619	alarm	Previously, some timestamps from BACnet alarms written to the alarm database could not be read back correctly.
NCCB-49540	analytics	When using the BFormat: %.% with a value binding, some custom ORD schemes (Example: Analytics Rollup scheme) was not showing proper facets.
NCCB-57528	analytics	Analytics Engine reported an Out of Memory error where in the points exceeded >=65K. Code fix was provided as a patch for analytics-rt in Niagara 4.11U2. The fix is also available in 4.12.
NCCB-40872	bacnet	Previous fix accounted for updating of HistoryName as _, whenever the station restarts. Ideally HistoryName should be updated based on HistoryNameFormat, Now the fix has been provided by considering below conditions 1) HistoryName will be using default format (%parent.name%) which influences the name of the history logs and HistoryConfig.Id 2) HistoryNameFormat will be hidden to avoid the ambiguity between default value's of HistoryName and

		HistoryNameFormat 3) It persisted the HistoryName value even though station restarted
NCCB-51832	bacnet	The BACnet driver respects the maxSegmentsAccepted value. "bacnet.client" fine level will now log for the addition of maxSegments property and a change of maxSegmentsAccepted value.
NCCB-53132	bacnet	The File object created as a 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-53726	bacnet	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-53831	bacnet	The SubscribeCOVProperty service was added in BACnet protocol revision 2. A previous fix accounted for the protocol revision when adding a discovered device. However, some devices at or above protocol revision 2 do not send the subscribe-cov-property bit of the Device object's Protocol_Services_Supported property. This would prevent adding those discovered devices. Now, in addition to the protocol revision check, the presence of this bit is also checked. If the bit is missing, it is assumed that the SubscribeCOVProperty service is not supported.
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	Enabled FINE logging for logger "bacnet.stack" which now logs new/updated Device-Entry value for a corresponding proxy Bacnet device. Enabled FINE & FINEST logging for logger "bacnet.client" which now 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-54677	bacnet	Backup restore process encountered intermittent issues like existence of two file descriptors, "Object Unknown Object" intermittent error, or incorrect state transition. In addition, the process offers robust, fail safe process, swift execution, along with additional logging.
NCCB-55304	bacnet	Starting in 4.11, discovered multi-state BACnet points were displayed with the numeric icon instead of the enum one and only numeric and string point types were available when adding the points to the station. Now, the enum icon is correctly displayed and enum, boolean, numeric, and string point types are all now available when adding the points.

NCCB-55970	bacnet	Previously, for discovered BACnet points that represent INTEGER type properties, the Enum Point icon would be displayed in the discovery pane and only enum and boolean point types would be available when adding the discovered point. Now, the Numeric Point icon is displayed and numeric point types are also available.
NCCB-56198	bacnet, webEditors	When you changed the Type for the Add Command in a ux Point Manager, it would ignore the preferred Discovery Name and change the name to the Type's displayName. This has been corrected, any preferred Discovery Name will not be modified during a Type change.
NCCB-56227	bacnet	Previously, a value of 4194303 (the unconfigured instance number) would be rejected as out of range when written to the notification class property of an event enrollment object. Now, that value is accepted and causes the associated alarm source ext's alarm class to be set to an empty string. No events from the event enrollment object will be visible through BACnet when the notification class is set to 4194303.
NCCB-23991	bacnetAws	The user can now run a new backup after a previously ran restore or backup.
NCCB-48357	baja	A displayName is now shown for the role field editor for both AX and UX property sheet. If a displayName is not present then the actual name will be shown.
NCCB-56416	baja, jxBrowser	When running station side pdf generation of web widgets you may see AccessControlException for setContextClassLoader. This and some other security manager permissions have been corrected.
NCCB-10159	bajaScript, box	When using a Component to resolve a Format in BajaScript (including for bindings in UxMedia pages), the slots of the component's parent and all parents up to the station root will also be loaded. This matches Workbench behavior, and will allow calls such as parent.displayName to resolve correctly. Please note that the Format call does not subscribe the parent, only perform a one-time loading of its slots. This means that accessing parent properties may result in out-of-date results, and may vary depending on whether the parent has already been subscribed by another view or binding. This is true both in UxMedia and Workbench.
NCCB-20719	bajaScript, bajaux	When facets have been programmatically set on a frozen slot, they will now be respected by BajaScript's baja.Complex#getFacets function and corresponding HTML5 views.
NCCB-54903	bajaScript	In prior versions of Niagara, when a field editor was bound to an Enum with a range configured using lexicon keys, it did not unescape the key if it was not found in the lexicon module. This has been fixed and the key should be properly unescaped. This also fixes an existing issue where lexicon keys with special characters (like dots and spaces) were not supported as Enum range tags. The user no longer has to create new "escaped" lexicon keys just to work around this limitation. Note that such keys that are existing now do not need to be changed. For example, previously if you specified "january.short" as an enum range tag to be picked from the "baja" lexicon, workbench would just display "january.short" as the tag. This is fixed in both Ux and Workbench and now a field editor bound to this Enum will correctly show "Jan" as the tag display.
NCCB-55910	bajaScript	In previous versions, a custom contact menu registration via a BIJavaScriptMenuAgent subclass would not work for a history, alarm, or file space, this has been corrected.

NCCB-56514	bajaScript, mobile	baja.Ord.js#toUri now handles correctly hyperlinking to ords that include "#" and ";"
NCCB-44596	bajai, bajaux, hx	When a scaled CanvasPane contained Labels, and those Labels were inside a GridPane or had otherwise been set To Preferred Size, then sometimes the text in those labels would be cut off at one end or the other when the CanvasPane was scaled up or down. The solution to this adds more precision when calculating the dimensions of Label text. Sometimes, this requires the Label to grow a bit to contain all the text; sometimes, it will shrink because it had a bit of space that was unused. Because this subtly changes the layout behavior of Labels, this could affect a lot of existing Px pages. Therefore, this additional precision must be enabled via the gx.fractionalFontMetrics system property. Set it to "on" or "true" to enable it in both the station (for HxPx/PDF calculations) and Workbench. Set it to "stationOnly" or "wbOnly" to only enable it in one environment or the other. This system property can affect the readability of Tahoma 11pt, which is the default Font for Lucid. If you experience issues with Lucid, either turning on Large Fonts in the Workbench options or using the Zebra theme will help with readability when using fractional font metrics. Also note that when using the PxEditor's Set Preferred Size command on a Label, the preferred size of that Label is stored in the Px file itself, so in order to fix cutoff on a Canvas, you may need to rerun this 'Set Preferred Size' command on problematic labels once your system property is set.
NCCB-50743	bajai	Px Properties that are linked to properties of Bindings are now supported in UxMedia.
NCCB-52895	bajai	The Label image no longer incorrectly draws over text in browser with negative textIconGap.
NCCB-56412	bajai, themeLucid, themeZebra	In prior versions of Niagara, a PxInclude with a ScrollPane and background set to null/default was incorrectly blocking (or adding a white background) the contents beneath it. This has been fixed now by adding a transparent background when a px (with a ScrollPane) is added into another Px as a PxInclude.
NCCB-56474	bajai	There were certain almost square rectangles with non-integer positions which would disappear in HxPx, but be visible in UxMedia. These should now be visible. As a workaround in affected versions, switching to UxMedia should also resolve the issue.
NCCB-56591	bajai, kitPx	UxMedia now has more consistent blinking=true behavior for BBoundLabel and other Label subclasses.
NCCB-57832	bajai	In prior versions of Niagara, an issue in the visibility implementation of blinking Labels was causing the Widget to be visible when it was supposed to be hidden. This issue is fixed now and based on the blinking status of the Widget, the visibility will also updated appropriately.
NCCB-51869	bajaux, uxBuilder	When the visibility attribute of a child of a FlowPane is animated, the space used by a widget will no longer sit empty when it is hidden.
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	Images with a space in them will no longer prevent the page from loading in UxMedia and some other views.

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. This ensures that classes or styles that are applied after rendering (such as when a spandrel widget includes a BaseEditor) are maintained across renders. This also means that DOM elements returned by the spandrel render function will not be added directly to the document, or become "live." If you rely on post-render changes to DOM elements you return from the render function, you may need to refactor to point to the live element instead.
NCCB-56732	bajaux, nss	When toggling a category of Security Dashboard items on and off so that a new category with only one item was now shown, or adding a single new entry to an empty OrdList in the browser, the new singular entry would be shown in duplicate. This is now fixed, so that the single new entry is only shown once.
NCCB-38392	box, history, jetty, webChart	WebChart and the Bajaux History Table now support subscribing to NiagaraSystemHistoryImport.
NCCB-50594	bql	A regression was introduced starting in Niagara 4.9 that had caused any ORDs containing a BQL query immediately trailing the "station:" or "nspace:" base to fail to resolve from Workbench (they would resolve correctly from HTML5 views in the browser however). For example, an ORD (or Px ORD binding) like the following would fail to resolve in a Workbench (non HTML5) view: station: bql:select * from control:ControlPoint It was failing because it was no longer assuming the root component ("slot:/") for the "station:" base, so you had to manually workaround this defect by changing the ORD to the equivalent form: station: slot:/ bql:select * from control:ControlPoint This regression has now been fixed, so that the workaround is no longer needed and the root component (for both "station:" and "nspace:" bases) is now assumed again for BQL queries.
NCCB-17091	ccn	Previous versions of the CCN driver "Ccn Time Schedule" view would not require a save if a change was made to the plugin. This has now been corrected.
NCCB-11924	cryptoCore	After importing and deleting the certificate in Certificate Manager, different buttons like View, Delete, Export were being enabled instead of disabled state. On click of export button, Array Index out of bound exception was being raised.

DESCRIPTION (CONT.)

NCCB-50856	cryptoCore, nre	When viewing the Module Signing Certificate "CN" contains escape character in UI.
NCCB-53816	cryptoCore	Previous versions of Niagara Workbench did not capture certificate parsing messages into the crypto logs correctly, rather it would send them directly to console output. Certificate import errors will now be captured in the "crypto" log manager.
NCCB-44377	devkit, ndriver, videoDriver	Previous to Niagara 4.12, the New Video Driver Wizard was creating Java code templates with "unchecked" Javac warning, this has been corrected.
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-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-51980	email	You can now remove email entries from a EmailAddressList in the browser.
NCCB-54851	gauth	Reset was not working in a browser or Workbench.
NCCB-53325	hx	UxMedia and HxPx now support showing a foreground gradient when the textTolconAlign is set to 'center'.
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	A custom widget relied on a unique ViewQuery parameter to load, the HxPxCache would improperly cache the view without regard to the unique ViewQuery parameters.
NCCB-53648	jetty, web	Fixed an issue that caused HttpSessionListeners specified in modules to be ignored.
NCCB-54414	jetty, web	The Jetty Webserver will now support setting the maximum and HTTP request and response header size.
NCCB-55589	jetty, web	Attempting to access a station URL with special characters in it prior to authentication could cause a 400 error instead of redirecting to the login page.
NCCB-55936	jetty	Fixed an issue where simultaneous HTTP requests can sometimes result in an IllegalStateException.
NCCB-54162	jxBrowser	A WebWidget with an Iframe to a station view can now load in workbench.
NCCB-54479	jxBrowser, workbench	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	JxBrowser was initializing as part of a station's WebWarmup for HxPx pages. This can cause delays in the station startup and it would create unneeded chromium processes.
NCCB-57748	jxBrowser	In any Niagara version that uses JxBrowser 7.22 to 7.25 (4.11U1 and some EA versions), if you change a <select> in a Wb WebWidget, it will incorrectly focus on the previous input and can remove that input's select value.
NCCB-47737	kitControl	BLoopPoint has been updated to allow user configured propagation of loopEnabled, setpoint, and controlledVariable status flags to be propagated to BLoopPoint's out status. A new property (propagateFlags) has been added to BLoopPoint to configure status propagation. In addition, setpoint and controlledVariable values of -inf/+inf now cause BLoopPoint's out status to be in fault and do not effect the value of out. This is identical behavior as setpoint and controlledVariable value(s) of NaN.
NCCB-50430	kitControl	An issue has been resolved with BooleanDelay where the onDelayActive and offDelayActive indicators were not updating

		correctly on state changes when either onDelay or offDelay was configured as zero.
NCCB-53339	kitPx, uxBuilder	The UxMedia ImageButton images for different states such as pressed and mouse over now update correctly on state change.
NCCB-54683	ldap	Fixed an issue where certain overridable User Prototype properties were being reset to the prototype value on login.
NCCB-12240	lexicon	When viewing Lexicon tools doesn't list all the modules unless My modules is viewed.
NCCB-43042	lexicon, niagaraDriver	Browser logins will now select the correct user locale lexicon entry, if one exists, when viewing virtual components of a station's Niagara Network.
NCCB-55280	mbus	The Mbus Command function now applies the device baud rate to messages it generates
NCCB-56230	migrator	AX to N4 migration process should no longer throw NullPointerException if the main bog or embedded bog files don't contain a "Drivers" component.
NCCB-45992	modbus	A write of multiple present values for Modbus preset coils would result in a malformed message under certain conditions.
NCCB-55855	mqtt	When a change to a Broker Endpoint was made in an AbstractMqttDevice, the station had to be restarted for the change to take effect. The current broker configuration details are now always used to make the connection.
NCCB-55996	mqtt	An issue was observed when the Keep Alive property of an AbstractMqttDevice was set to a value greater than 65535, unexpected behavior occurred. The Keep Alive property is now limited to values between 0-65535.
NCCB-56339	mqtt	Users were unable to add slots to MqttDevice components due to a check that restricted adding more than one authenticator also being applied to slots. *Now users can add any number of valid slots to MqttDevice components but not more than one authenticator.*
NCCB-45843	nSnmp, snmp	Traps are not processed when the device is inactive.
NCCB-46261	nSnmp	Repeated spam of mundane driver events are only logged when the Log Level is set to FINE.
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-54892	nSnmp	No ClassCastException occurs now on station startup with SNMP network added to the drivers. Also a user can now create a new writable point in the Snmp Agent Point Device Ext with out any failure/exception.
NCCB-56347	nSnmp	SNMP traps now resolves BFormat strings in alarm data
NCCB-51417	naxisVideo	Customers will be able to discover Axis cameras with correct IP address in Niagara.
NCCB-57336	ndriver, nSnmp	In previous versions, socket errors for nDriver-based drivers using UDP could rarely cause connectivity loss until a station restart. It is now possible for nDriver driver authors to configure the behavior on a UDP socket error using the "getReconnectOnError" method added to "BUdpCommConfig". The default behavior has not changed from prior versions, and driver authors will need to opt-in to the new behavior if desired. However, the nSnmp driver *has* been updated to reconnect

		if a socket error occurs. In the unlikely event that this behavior change causes connectivity issues, the "niagara.nsnmp.reconnectOnFailure" System Property can be set to "false" to restore the old behavior.
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. This defect has now been fixed so that such Px properties will resolve appropriately when viewed in Niagara virtual Px.
NCCB-54687	niagaraDriver, webEditors	In prior versions of Niagara, a Ux Manager add command would incorrectly display a pop-up batch composite editor displaying all the columns of the underlying manager's model. This has been fixed and the editor shall only display editable columns.
NCCB-53486	obixDriver	Prior to this fix, you might observe an inability to retrieve contracts, alarms, and histories using the obixDriver module. The symptom of this is the Obix Alarm Import or Obix History Import would be in fault, and you would see a message saying "Invalid subscheme: null" in your request client. This was due to missing Niagara Defs in the module. The missing Defs in the obixDriver-rt module have been replaced, and this module will now be capable of alarm, history, and contract resolution using the registry Defs like in previous versions.
NCCB-48974	opcUaClient	User Authentication Fields are necessary for proper configuration of the device but were only visible in the full property sheet.
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 be executed.
NCCB-55567	opcUaClient, opcUaServer	The OpcUa client component of the driver has been updated to allow for utilizing a password protected private key in the station's keystore.
NCCB-48975	opcUaServer	OPC-UA client used to log server certificate information to INFO level. It also printed logs related to ping twice per ping.
NCCB-55877	opcua	Empty String points from KepServerEx 6 used to be discovered as Numeric Point in Niagara, got added to database with stale status and did not update with new values. Such empty String points now have the default value of "-" upon adding to database.
HAREMB-1330	platCCN	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.
NCCB-41366	platDaemon	Previous versions of Niagara Workbench that used a very short niagara.daemonsession.timeout value could result in timeout errors when interacting with the Platform Administration "Update Authentication" command. This has been corrected.
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.

DESCRIPTION (CONT.)

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-56410	provisioningNiagara	The NiagaraNetwork ProvisioningExt could cause a 100% CPU condition if a failure to decrypt platform credentials occurred. The Platform Connection will now enter a fault state with the message "Password keyring failure" to prevent this condition.
NCCB-8400	pxEditor	In the Px Editor, when using Distribute Vertical on a collection of widgets that were not already horizontally aligned (had different X values), the widgets would sometimes be reordered instead of simply moved. Now, Distribute Vertical should always preserve the vertical ordering of widgets.
NCCB-53833	rdb, rdbSqlServer	The Microsoft JDBC Driver property "useBulkCopyForBatchInsert", when set to true, allows doing batch insert operations to improve performance. Because of the limitations of Bulk Copy, the DATETIME data type is currently not supported for this feature. Prior to this fix, if manually specified in the 'Extra Connection Properties' of Niagara's SqlServerDatabase device, the presence of "useBulkCopyForBatchInsert=true" would cause history export failures. Going forward, if the "useBulkCopyForBatchInsert=true" property is specified, it will be ignored so that history exports will work, and a warning will be printed in the station console.
NCCB-56571	rdb	In rdb-rt module, the Java RdbSecuritySettings of N4 is now updated to use HmacSha256.
NCCB-41764	report	In prior versions of Niagara, a special Firefox hack was needed to fix scrolling issues in tables with fixed headers. Firefox seems to have fixed this issue. However, the original was now causing scrolling issues again. This has been removed and there is no longer any special handling for Firefox to fix table scrolling issues.
NCCB-53145	saml	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-58344	saml	The 'Time Skew' property is now properly applied when validating the 'notBefore' or 'notOnOrAfter' attributes on the Conditions and Subject Confirmation Data elements in a SAMLResponse, allowing for some time drift between the IdP and the station.
NCCB-51535	schedule	EnumSchedules in the web scheduler now matches the coloring of the ax schedule when the range does not include 0.
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. Breaking change: Starting in 4.11: If you implement a subclass of BWeeklySchedule and override the getSummary(BAbstractSchedule) method, you will need to add a second Context parameter. Otherwise, your overridden method will

		not be called by the framework and your customized text will not be shown.
NCCB-54007	schedule	Niagara schedules with linked properties (such as the 'Default Output' property) were previously not propagating the current property values to a corresponding imported schedule on another Niagara station. This problem is now fixed so that the applicable schedule properties are not reset to their default values when imported anymore. Instead the current property values are now copied from the source schedule to the target schedule on import, regardless of whether the source schedule's properties are linked or unlinked.
NCCB-57246	schedule	Previously in UxMedia, when you viewed a Schedule output on a Bound Label, the facets would not be respected. This has now been corrected.
NCCB-46210	seriesTransform	Series transform tables generated as the output of a composite node could have default values set for entries of a history with an irregular interval, like a Enum COV history. The table value for these histories should now persist until they are changed by the next quantized value in the history timeline.
NCCB-31784	tagDictionary	An EnumRange property has been added to a new DynamicEnumTagInfo type. This type replaces the SimpleTagInfo with its DefValue property set to a DynamicEnum in the TagDictionary palette. This DynamicEnumTagInfo can be used wherever SimpleTagInfos are used (TagDefinitions, TagGroup TagList, and TagRule TagList). The DefValue ordinal will be re-encoded with the EnumRange property value whenever that property is changed. This DynamicEnum with an EnumRange facilitates selection in the TagDictionary, is copied to direct tag slots, and is visible on implied tag values.
NCCB-49680	template	The optionals stored in the manifest of an application template file were copied directly to the manifest that was being written out to file without being checked whether any had been removed in the editor. Now a check is made as to whether or not they still need to be persisted.
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-51814	template	The fix hides duplicate "save" and "refresh" buttons on the component tab in template view .
NCCB-52852	template	Incomplete template property configurations in Template Editor may have prevented saving a template.
NCCB-53026	template	Resolved an issue that would break internal relations to or from the root component of a deployed template when that template was upgraded or redeployed.
NCCB-56159	template	Fixed an issue sometimes causing a composite link not found warning message in Template Editor after duplicating a template.
NCCB-56197	template	Updating templates with history extensions would sometimes create a new history or cause a duplicate history-name fault.

NCCB-57249	template	When template files were transferred from another computer or in other cases where the template file-modified timestamp is updated without changing the file contents, the template service and template editor would falsely indicate that instances are out of date. When this occurred for subtemplates, the template editor Save button would get stuck enabled. When multiple subtemplate instances are linked together through I/O or external links or references, deploying the containing template could cause error or warning messages in station or Workbench output and a failure to present those links in Workbench.
NCCB-26301	themeLucid	In prior version of Niagara, some of the Workbench editors like the Permissions Map editor and Commissioning Wizard, do not draw checks and crosses in the right position. This caused issues when switching themes, especially to Lucid, to the point of making them hard to interact with. This issues is fixed now and switching to different themes should still make these editors usable.
NCCB-54159	uxBuilder	The UxMedia CanvasPane can now properly animate the layout of child widgets.
NCCB-55453	uxBuilder	The edit button of driver managers now disables if all currently selections are deselected. For instance, all rows in the main driver table are deleted.
NCCB-53285	web	LoginFileServlet will now cache file contents, this helps with both lowering memory consumption and speeding up repeated access to the login page.
NCCB-40370	webChart	Facets on a numeric history for forceSign, showSeparators, and zeroPad are now passed down properly in webChart.
NCCB-51571	webChart	The webChart now displays data properly when the data must be reloaded after pan and zoom such as when clicking okay on the settings dialog. Also, the shade chart now displays darker colors for higher values and lighter colors for lower values when displaying numeric data. This is opposite of how numeric data was handled previously.
NCCB-52102	webChart	Exporting a web chart with a huge number of points (tens of thousands or more) to CSV should no longer take an unreasonable amount of time or 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. This has been corrected.
NCCB-54925	webChart	When displayed on a webChart, Remote histories that poll should now replace the latest point instead of adding an additional point to the graph with the same time when the graph is updated due to polling.
NCCB-55523	webChart	Interpolate coming from a history import should now query correctly.
NCCB-29601	webEditors	When a view has too many command buttons to show in the HTML5 Hx Profile's title pane header at once, the entire set of command buttons will no longer disappear.
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-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-54198	wiresheet	In previous versions, the Niagara palette may be available on a mobile device, but the add and remove palette commands are not available. This has been corrected.
NCCB-58330	video	In previous versions of Niagara, JRE has been updated from "1.8.0_321" to "1.8.0_331" due to which XPath expression to fetch the discovered camera details was not working. XPath expression has been fixed now and the cameras under xprotect network can be discovered.
NCCB-45459	workbench	In previous versions, attempting to export to pdf or any of the other server side exporters would fail when this was attempted with from a WbWebProfile using a ChartWiget within WebLauncher, even when JxBrowser was available to run. Now, as long as JxBrowser is able to run there, the exports should work fine.
NCCB-55252	workbench	The Category Browser now includes hidden categories in the permission calculation so roles no longer incidentally lose access permission.
NCCB-50001	workbench	Searching in the Niagara Help would return a NullPointerException if the search result yielded a missing doc.
NCCB-56039	workbench	Broken Help link corrected by editing the source module "help.guide.base" lexicon entry.