



Product Update Notification

NiagaraAX v3.8.38.1 Module Update

DATE: May 4, 2015 **PRODUCT:** NiagaraAX v3.8.38.1
APPLICATION: Modules **CONCERNING:** Module Updates
NEW VERSION: N/A **RELEASE DATE** March 4, 2015

DESCRIPTION:

Tridium has released a software patch for various NiagaraAX v3.8.38.1 modules. Please see the [Release Notes](#) section below for a detailed description.

SOLUTION:

Upgrading these modules will correct the issues described in the [Release Notes](#):

URGENCY:

If you are currently using version 3.8.38.1, please download the upgraded modules by clicking [here](#) and extract the files to a known location.

Once you have downloaded and extracted the upgrade Niagara modules, copy the modules from the location where they were extracted to and paste them in the modules folder located under your installation of 3.8.38.1. This will complete the module software update.

Please contact our support team if you have any questions.
Toll free: 877-649-5969 | E-mail: support@lynxspring.com.

RELEASE NOTES:

Module	Version	JIRA Ticket #	Summary	Release Note
alarm	3.8.38.4	NCCB-7082	alarm for failed step includes stack trace which prevents exporting	In Niagara AX versions 3.6, 3.7, and 3.8, attempting to export an alarm which contains an exception with a stacktrace in its message text will fail with an additional exception. This exception generally begins with: java.lang.IllegalArgumentException: 'J' This sort of alarm with a stacktrace may occur if you have a provisioning failure, such as an authentication problem trying to back up a station from a supervisor. If you need to export the

				<p>alarm, the only workaround is to manually edit the alarm message text to remove any dollar signs ('\$') before exporting the alarm, as these are being incorrectly interpreted as an escape character by the exporter.</p> <p>This behavior has been fixed in alarm module 3.7.106.5 and 3.8.38.1, and for 3.7u2, and 3.8u1.</p>
		NCCB-9487	Hyperlinking and then pressing ALT + LEFT ARROW causes Alarm Portal to freeze	<p>In certain situations when navigation back to the Alarm Portal from a hyperlink, a timing issue can occur that causes the Alarm Portal to lock up. The timing of the loading of the Alarm Portal has been reworked so that this is no longer an issue.</p>
bacnet	3.8.38.11	NCCB-5923	BTL TC50432-10: Align_Intervals not implemented correctly for time synch intervals less than 1 day	<p>BTL Testing of Niagara AX 3.7 for the B-BC Device Profile revealed a problem with the way the Align_Intervals property was implemented. The intended behavior of the property is that if Align_Intervals is TRUE, and the Time_Synchronization_Interval property is a factor of an hour or a day, then the beginning of the period must be aligned to the hour or the day, respectively. This was not correctly implemented, and therefore time synchronization messages would be sent but not aligned to the start of an hour or a day. This affects Niagara AX versions 3.6 and earlier, and version 3.7 when using bacnet module version 3.7.106.2 or earlier. The issue was corrected beginning with 3.7.106.3 for 3.7U1, and also for all versions of 3.7U2 and 3.8.</p> <p>Note that affected versions will still send periodic time synchronization requests at the specified interval. The difference is that instead of being sent right on the hour or the beginning of the day, they would be sent based on the time when time synchronization was first enabled. If you need to have this</p>

				aligned, then try to enable the time synchronization right at the start of the hour.
		NCCB-6022	BTL TC50432-2 SubscribeCOV messages for long durations result in 'abort:other' messages	
		NCCB-7388	ReadRange Responses return more records than requested	In bacnet modules 3.6.47.20, 3.6.305.4, 3.6.406.2, 3.7.46.5, 3.7.106.6, 3.8.37 and earlier: If a BACnet trend-log contains duplicate sequence numbers some ReadRange requests could return more items than requested. This update limits the items returned to the amount requested, instead of using the sequence number.
		NCCB-7389	ACnetTrendRecord sequence numbers duplicated or missing	In bacnet modules 3.6.47.20, 3.6.305.4, 3.6.406.2, 3.7.46.5, 3.7.106.6, 3.8.37 and earlier: Duplicate sequence numbers could be generated if the system time is changed while a trend-log record is being recorded. The frequency of duplicate sequence numbers has been reduced in bacnet modules 3.6.47.21, 3.6.305.5, 3.6.406.3, 3.7.46.6, 3.7.106.7, and 3.8.38.1
		NCCB-7466	Allow configuration of the bacnet driver's segmentation window size	In bacnet modules 3.6.47.20, 3.6.305.4, 3.6.406.2, 3.7.46.5, 3.7.106.6, 3.8.37 and earlier: Some networks (2G/3G, etc) are predisposed to deliver segments out of order. When the last segment of a response is delivered out of order, the segmentation state machine will wait a segment timeout (typically 2 seconds) before sending the unacknowledged segments. In bacnet modules 3.6.47.21, 3.6.305.5, 3.6.406.3, 3.7.46.6, 3.7.106.7, and 3.8.38.1 there is a System Property that can control the preferred segmentation window size. Setting the property to one (e.g. "niagara.bacnet.segmentation.window.s

				ize=1") will force the segments to be delivered in order and avoid the delay waiting for the segment timeout.
		NCCB-7467	SubscribeCOVProperty for a multi-state-value's state text generates continuous COVNotifications	In bacnet modules 3.6.47.20, 3.6.305.4, 3.6.406.2, 3.7.46.5, 3.7.106.6, 3.8.37 and earlier: Using SubscribeCOVProperty on BComplex properties (a multi-state-value's state-text) will generate a notification every Cov Property Poll Rate (defaults to 5 seconds). In bacnet modules 3.6.47.21, 3.6.305.5, 3.6.406.3, 3.7.46.6, 3.7.106.7, and 3.8.38.1, the comparison has been fixed to generate notifications only when the property has changed.
		NCCB-7574	SubscribeCOVProperty to various props generates continuous COVNotifications	In bacnet modules 3.7.106.9 and 3.6.47.22 and earlier, incoming subscriptions using 'SubscribeCOVProperty' for certain properties would constantly viewed as changed and generate continuous notifications. In bacnet modules 3.6.47.23, 3.7.106.10, 3.8.39, and 3.8.101 and later the SubscribeCOVProperty changed algorithm has been updated to compare the ASN.1 value for all properties (except numeric values that may need to be compared to the cov increment).
		NCCB-7614	thread deadlock between Bacnet/Mstp and Fox	Using bacnet modules 3.7.106.9 and earlier on systems under high load, capturing poll statistics can lead to a deadlock. In bacnet module 3.7.106.10 and later the system property 'niagara.bacnet.poll.statistics' can be set to false. This flag will skip capturing poll statistics and avoid the deadlock entirely. Given the helpful nature of poll statistics this flag should only be set as a last resort or where an alternative method exists for capturing system health information (e.g. Wireshark reports).
		NCCB-7682	Extending BBacnetDevice triggers duplicate enum	In bacnet modules 3.7.104 until 3.7.106.9, if a BBacnetDevice was

			when adding new device in device manager	<p>alphabetically before BBacnetDevice (e.g. "BABacnetDevice"), the new device dropdown will contain BBacnetDevice twice.</p> <p>In bacnet modules 3.7.106.10 and later, the list of devices in the new device dropdown is listed alphabetically. Devices will remain filtered by 'isParentLegal' (AWS and OWS devices will not appear when adding devices to a plain BBacnetNetwork).</p>
		NCCB-7824	BACnet IAm triggers an address property save to DataRecovery when no address change	<p>In bacnet modules 3.7.106.9 and earlier every i-am received for a BBacnet device in the station updates the address field filling the SRAM with unnecessary updates.</p> <p>In bacnet modules 3.7.106.10, 3.8.39, 3.8.101 and later if the address has not changed then the BBacnetDevice is not updated, avoiding the impact to SRAM.</p>
		NCCB-8275	BACnet subscribeCovProperty renewals without covIncrement cause NPE	
		NO NCCB NUMBER AS OF YET.	In some edge cases a message could get corrupted in the mstp daemon.	No release note.
		NCCB-12459	Remove extra network port subscribe that can cause a deadlock.	<p>In bacnet modules 3.8.38.9 and earlier, there exists a small potential for a deadlock on a NetworkPort between the BBacnetDeviceManagerView and the PollService. In bacnet modules 3.8.39.10 and later the potential for deadlock has been reduced, by eliminating the additional subscription to the NetworkPort from the DeviceManagerView.</p>
		NCCB-10201	driver writes segmentation even though device does not support segmentation	<p>In bacnet modules 3.8.38.10 and earlier, it is possible that the application layer may attempt to send an application message larger than the MAXIMUM_ADPU_SIZE to a Bacnet Device if it has been</p>

				<p>'duplicated' and matched.</p> <p>In bacnet modules 3.8.38.11 and later, BBacnetDevices can be duplicated and matched and will use the MAXIMUM_ADPU_SIZE of the newly matched device.</p>
baja	3.8.38.9	NCCB-7691	ComponentSlotMap does not short-circuit setFlags or setFacets if there is no change in value	<p>Prior to this fix, when a call to set the flags or facets for a slot on a component was made, there was no check to see if the new flag/facet value was already the same as the existing value. This would lead to unnecessary events being recorded by the DataRecoveryService for battery-less JACEs. Starting in 3.6.407 (and baja.jar patch 3.6.406.7), 3.6.503, 3.7.107 (and baja.jar patch 3.7.106.5), 3.7.202, 3.8.39 (and baja.jar patch 3.8.38.1), and 3.8.101, this behavior has been fixed, so that if no change in value is detected, the event will short circuit prior to recording an entry in the DataRecoveryService.</p>
		NCCB-10399	Locale needs to resolve with country code	<p>In Ax 3.8 and earlier, the web interface would not properly load Lexicons which contained country- specific variants (e.g. "fr-CA"), instead falling back to the two-letter language tag. In versions 3.8.38.6 and later, this has been fixed.</p>
		NCCB-10421	WebProcess OrdScheme parsing vulnerable to Reflected Cross-Site Scripting	<p>In AX 3.6 version 3.6.406 and earlier, AX 3.7 version 3.7.106 and earlier, and AX 3.8 version 3.8.38 and earlier, ord parsing errors via web cause the requested ord to be displayed in the response, creating a cross-site scripting vulnerability. In AX 3.6 version 3.6.503 and later, AX 3.7 version 3.7.202 and later, and AX 3.8 version 3.8.101 and later, the requested ord will not be displayed in the response, eliminating the cross-site scripting vulnerability.</p>
		NCCB-12523	The application was vulnerable to Cross-Site Scripting (XSS) attacks. This occurs when web applications do not properly	<p>Added the OWASP encoder that allows for the stdout component of spy to properly encode itself for web viewing.</p>

			validate user-supplied inputs before including them in dynamic web pages.	
		NCCB-12727	User with non-ASCII characters in their names are unable to login via browser	In AX version 3.8.38 and earlier, non-ASCII characters in usernames would cause web login to fail. In patched version and future update builds, Non-ASCII characters will work in web login. Note: Non-ASCII characters are still not supported in passwords in the patched version. Creating passwords with non-ASCII characters will no longer be allowed. This will be fixed in the next update build.
bajau	3.8.38.2	NCCB-9600	"java.lang.ThreadDeath" exceptions observed at JAVA console while navigating between the pages using WB default WEB profile	Oracle's Java plug-in Update 65 can cause problems with Niagara's Workbench Applet in all versions of Niagara. The problem can cause images on graphics not to appear properly.
control	3.8.38.1	NCCB-7648	DiscreteTotalizerExt triggers excessive writes to DataRecoveryService	In Niagara AX versions up to and including 3.6.406, 3.7.106 and 3.8.38, the DiscreteTotalizerExt elapsedActiveTime and elapsedActiveTimeNumeric update every second and are persistent, which triggers writes to Data Recovery Service. The workaround is to set non-critical flag for the above mentioned properties. This behavior has been fixed in the control modules, with patches 3.6.406.1, 3.7.106.1 and 3.8.38.1, and all subsequent versions. The fix provides an eaTimeUpdateInterval property which can used to control this behavior.
driver	3.8.38.1	NCCB-7692	Change BPingHealth lastOkTime to be noncritical	In Niagara AX driver module versions up to, and including 3.6.406, 3.7.106. and 3.8.38, the non-critical flag is not set on the lastOkTime property of BPingHealth. This results in unnecessary writes to the

				<p>critical data recovery service each time the value of the lastOkTime property is updated.</p> <p>A workaround is to set the non-critical flag on the Health property of each device driver (including Niagara Network). This makes all properties of the ping-health non-critical, not just lastOkTime. Applying the driver module patch is preferred in cases where it is desirable to continue to persist the values of the other ping health properties via the data recovery service.</p> <p>The driver module has been changed beginning with 3.6.406.1, 3.7.106.1, 3.8.38.1, and all subsequent versions, so that the lastOkTime property of BPingHealth is marked with the non-critical flag. This will prevent the usual updates that occur during normal communication to a device from triggering writes to the critical data recovery service unnecessarily.</p>
gx	3.8.38.1	NCCB-9600	“java.lang.ThreadDeath” exceptions observed at JAVA console while navigating between the pages using WB default WEB profile	Oracle's Java plug-in Update 65 can cause problems with Niagara's Workbench Applet in all versions of Niagara. The problem can cause images on graphics not to appear properly.
hx	3.8.38.3	NCCB-9484	Missing AUTOCOMPLETE Tag in Login Page	In AX 3.6.406 and earlier, 3.7.106 and earlier, and 3.8.38 and earlier, password input fields do not specify autocomplete='off'. In patched versions and future update builds, password fields in login form, password reset form, and password field editors will specify autocomplete='off'.
kitControl	3.8.38.1	NCCB-8429	LeadLagRuntime and LeadLagCycles missing Clear Alarm State action	The problem is result of the logic clearing the alarm state of each of the controlled outputs each time it evaultates which load should be on.

				<p>The solution will be to add a new BRelTime property "clearAlarmTime" with a default value of 1 hour and a "clearAlarmState" action.</p> <p>If the "clearAlarmTime" time is set to 0, then it will never automatically clear any of the out alarm states. When an output enters an alarm state, it will start the alarmClear timer, if the alarmClear timer is not already running.</p> <p>When the alarmClear timer times out or when the "clearAlarmState" action is invoked, it will clear the alarm state for all of the out properties.</p> <p>Once an output is in an alarm state, it will be excluded from the load rotation until the alarm state has been cleared, either from the timeout or manual action.</p>
lonworks	3.8.38.3	NCCB-6482	Lon Device fault cause does not report the fatal fault description	Fault description added.
		NCCB-7159	lonworks:LonFloat could cause premature flash exhaustion via platDataRecovery	<p>In Niagara AX lonworks module versions up to, and including 3.6.406.1, 3.6.502, 3.7.106.1 and 3.8.38, the NON-CRITICAL flag is not set by default on device Network Variable lonPrimitives. The NON-CRITICAL flag is used to prevent persistent properties from being filtered through the DataRecovery Service. The lonworks driver has been changed in patches 3.6.406.2, 3.6.502.1, 3.7.106.2 and 3.8.38.1, and all subsequent versions so that the NON-CRITICAL flag is set on all device Network Variable lonPrimitives. Also, an action has been added to BLonNetwork to set NON-CRITICAL flag on all existing lonPrimitives.</p>
		NCCB-8395	LonEnum losses facets causing write fault	<p>If a londevice was created which contained networkVariables with enumerated data elements, the enumeration information could be lost if power was lost before the value was saved to the database. This would cause exceptions reading or writing the nv. This was fixed in Lonworks patches 3.8.38.3, 3.7.106.3, 3.6.406.3</p>

		NCCB-9106	LON XML tool strips out underscores in snvt names	During creation of Inml files from xif files, network variable names are modified to follow java naming conventions which includes removing "_". This was changed to leave underscores between adjacent fields of numbers (i.e. nviTemp23_45 was nviTemp2345 and is now nviTemp23_45). This was changed in Lonworks patches 3.8.38.3, 3.7.106.3, 3.6.406.3
		NCCB-9126	ClassCastException when linking a topic on LonDevice to LonPointDeviceExt Action	Add type check in lonworks:BWireSheet
		NCCB-9181	Lonworks Device LearnNv tool strips creating NVs that contain dash in the NV name	LearnNv would not learn nvs with a dash in the name. This was fixed in Lonworks patches 3.8.38.3, 3.7.106.3, 3.6.406.3
		NCCB-9353	LearnNv action deletes proxy points	LearnNv action could delete some existing proxy points. This was fixed in Lonworks patches 3.8.38.3, 3.7.106.3, 3.6.406.3
mbus	3.8.38.4	NCCB-10980	Mbus gateway devices support requires 0xA2 Collision detection	Secondary addressing will not work well with devices that use a collision detection character such as 0xA2. This adjustment adds support for the 0xA2h in the secondary addressing algorithms as a collision marker. Secondary discovery of devices behind a gateway using 0xA2 should prove much more consistent.
		NCCB-10976	Already parented exception when using history importer elements	In particular scenarios it is possible to get a AlreadyParentedException displayed on the application directors output from the station. These changes add additional protection measures to remove the ability for these to be caused.
modbusCore	3.8.38.1	NCCB-10037	ModbusTCPslave reports zeros on startup	In Ax versions 3.6.406, 3.7.106, and 3.8.38, on station start ModbusSlave and ModbusTcpSlave would start to respond to client register reads before the register map has been initialized. This change insures that the register map has been initialized before responding to client register reads.
modbusTCP	3.8.38.2	NCCB-6033	Disabling a	In ModbusTcp versions 3.6.406.1,

			ModbusTcpDevice will chew up CPU	<p>3.7.106.1, & 3.8.38.1 and some earlier versions, disabling a modbusTcpDevice will cause the CPU usage to increase. Repeated disables and enables will cause additional increments to CPU usage.</p> <p>In these same versions, a device created by duplicating a ModbusTcpDevice while its socketStatus is not closed, will not start communicating until the station is restarted.</p> <p>ModbusTcp patch modules with versions 3.6.406.2, 3.7.106.2, and 3.8.38.2, and also later release versions, correct for both of these issues.</p>
ndriver	3.8.38.1	NCCB-5203	Add Nibble reading/writing to Typed Input/Output Streams	<p>The following APIs were added to Ndriver io support objects:</p> <pre>TypedInputStream public int readNibble(int byteOffset, boolean upper) public int readSignedNibble(int byteOffset, boolean upper) TypedOutputStream public void writeNibble(int val, int byteOffset, boolean upper)</pre>
niagaraVirtuals	3.8.38.2	NCCB-8405	Box Error when loading multisheet view for offline Niagara proxy point that has proxy actions	<p>From Niagara AX 3.7 Update 2 and 3.8 Update 1 onwards, an application written using BajaScript will be able to resolve Niagara Proxy Points that are marked as 'down'.</p>
obixDriver	3.8.38.1	NCCB-6035	Invalid enum value kills oBIX point discovery	<p>In Niagara AX when using the obixDriver module versions 3.6.406 and earlier, 3.7.106 and earlier, and 3.8.38 and earlier, you may encounter a point discovery failure when attempting to discover a device that presents an enum whose value is not included in the associated range. See the footnote for details on specific scenarios where this can occur.</p> <p>The discovery process has been</p>

				<p>improved, so that now when this invalid enumeration is encountered, the value is still presented, and the discovery is able to proceed. If you attempt to add this point, and its value is still invalid, you will still get a point read fault, because the enumeration value is not valid for the defined range. This has been corrected beginning with versions 3.6.406.1, 3.7.106.5, and 3.8.38.1 of the obixDriver module, and for Niagara 4.</p> <p>*Footnote: This failure can happen when you are discovering an R2 station using misconfigured MultiState objects, or when discovering a StaefaSmart2 device that has unconnected inputs. In particular, the Smart2FNC device has certain inputs for controlling the device, which if left undriven, will cause the R2 station to report the value as "???", although this is not included in the range. Other StaefaSmart2 devices may exhibit similar behavior.</p> <p>Note that the R2 staefaSmart2 driver has not been corrected, nor has the R2 obix server module. The correction is entirely in the Niagara obix client's handling of the server response.</p>
platMstp	3.8.38.8	HAREMB-54	mstp communications slowed after upgrading from 3.7.106 to 3.8.38	<p>In AX release 3.8.38, the MSTP Receive Frame State Machine (RFSM) implements a new state in the RFSM called "skip data". To enter the skip data state, we must receive a packet addressed for another node (not us), and which contains data. A bug was found whereby if such a packet were received/processed by the RFSM, then the amount of data to be skipped(eaten and not used) was incorrectly calculated, causing one or more subsequent packets to be skipped. This resulted in the loss of a packet(s)</p>

				immediately following the data containing packet. If one of the lost packets was token pass packet, then the Jace would drop out of token passing. The amount of time the Jace would drop from token passing depended on the number of bytes to skip and the network traffic load. The net result is that every time two "other" nodes on the trunk exchanged data with each other, the Jace would drop the token and have to re-sync. This has been fixed in patch jar version 3.8.38.8 and later versions of 3.8.
raster	3.8.38.1	NCCB-9600	"java.lang.ThreadDeath" exceptions observed at JAVA console while navigating between the pages using WB default WEB profile	Oracle's Java plug-in Update 65 can cause problems with Niagara's Workbench Applet in all versions of Niagara. The problem can cause images on graphics not to appear properly.
report	3.8.38.1	NCCB-7106	ComponentGrid's 'Grid Table view is very slow to load in Workbench	Starting in Niagara AX versions 3.5.30, 3.6.25, 3.7 initial releases, and 3.8 initial release, the 'Grid Table' view of the report module's ComponentGrid object could be very slow to load in Workbench. Starting in 3.6.503, 3.7.107 (and report.jar patch 3.7.106.2), 3.7.202, 3.8.39 (and report.jar patch 3.8.38.1), and 3.8.101, the performance has been improved.
schedule	3.8.38.2	NCCB-1914	Imported schedule not following the Master Schedule 'in' slot.	In NiagaraAX 3.8 release, and 3.7 update 1 and earlier, the 'in' slot on an imported schedule no longer gets its value from the master schedule. This has been fixed in NiagaraAX 3.8 update 1 and 3.7 update 2.
		NCCB-9052	Enhancement -Create a custom special event.	"Calendar Week" 1-6 has been added to the week of month schedule. The original week options still exist as they are still useful and we do not want to break existing week of month schedules. The new Calendar Week defines a week as Sunday-Saturday rather than the first, second, third of fourth 7 days of the month. Calendar Week 1 includes everything up through the first Saturday of the month. The first

				day of a calendar week is based on the "first day of week" which is configurable via a lexicon. If the week of month schedule is in a running station, the first day of week will be taken from the station, otherwise it will be taken from workbench (this can cause a slightly odd display in Workbench if the station and Workbench locales do not match since the schedule will highlight the week based on the station's locale, even though the calendar is rendered with the Workbench's locale).
snmp	3.8.38.3	NCCB-4411	SNMP string points do not support non-ASCII data	Support was added to the snmp driver for a string proxy point with string type variable data to provide a string representation of the raw byte data instead of the ascii representation. This is accomplished by adding a boolean facet to deviceFacet with the key "raw" and value true. This feature was added to snmp patch builds 3.6.406.1, 3.7.106.2, 3.8.38.2.
		NCCB-9687	SNMP V2 traps are not received in AX/N4 Alarm Consol	In snmp versions 3.7.106.2, 3.8.38.2 and earlier, Some SNMPv2 traps did not appear as alarms in the alarm console. If trace logging was enabled, an ArrayIndexOutOfBoundsException was observed. This problem is resolved in snmp versions 3.7.106.3, 3.8.38.3, and all subsequent update builds of Niagara AX.
web	3.8.38.7	NCCB-7047	Auto Logoff Occurring When It Should Not	In NiagaraAX 3.8 release, 3.7 update 1 and earlier, and 3.6 update 4 and earlier, the "Auto Logoff Enabled" and "Auto Logoff Period" were not being properly applied when using the "cookie" authentication scheme, causing users to be automatically logged out after 10 minutes, regardless of the settings. In NiagaraAX 3.8 update 1, 3.7 update 2 and 3.6 update 5, this has been fixed so that the "Auto Logoff Enabled" and "Auto Logoff Period" are correctly applied.
		NCCB-7879	reading and writing	In NiagaraAX 3.8 release, 3.7 update 1

			points via obix causes memory leak	and 3.6 update 4, repeatedly connecting to a station using HTTP-Basic authentication could result in a memory leak, causing the station to eventually crash. In NiagaraAX 3.8 update 1, 3.7 update 2 and 3.6 update 5, the issue has been fixed, and memory is appropriately release no matter what kind of authentication is being used.
		NCCB-8430	Fix for NCCB-5915 prevents applet from loading for VES	Starting in Niagara AX version 3.8, VES (or EAS) was not able to load reports in the browser due to the error below. Starting in 3.8.39 (or web.jar patch version 3.8.38.2 or later), this defect has now been resolved so that VES reports will load properly in the applet in a browser. ERROR [11:40:45 02-May-14 EDT][web] Internal Server Error java.lang.NullPointerException
		NCCB-9484	Missing AUTOCOMPLETE Tag in Login Page	In AX 3.6.406 and earlier, 3.7.106 and earlier, and 3.8.38 and earlier, password input fields do not specify autocomplete='off'. In patched versions and future update builds, password fields in login form, password reset form, and password field editors will specify autocomplete='off'.
		NCCB-10399	Locale needs to resolve with country code	In AX 3.8 versions 3.8.38 and earlier, the web interface would not properly load Lexicons which contained country-specific variants (e.g, "fr-CA"), instead falling back to the two-letter language tag. In versions 3.8.39 and later, this has been fixed.
		NCCB-10422	HTTP 500 Errors show Stack trace	In AX 3.6 version 3.6.406 and earlier, AX 3.7 version 3.7.106 and earlier, and AX 3.8 version 3.8.38 and earlier, certain errors will display exception stack traces in the response, which could give too much information to malicious users. In AX 3.6 version 3.6.503 and later, AX 3.7 version 3.7.202 and later, and AX 3.8 version 3.8.101 and later, a boolean property "showStackTrace" has been added to the Web Service, allowing stack traces to be shown for debugging,

				or hidden for security.
workbench	3.8.38.2	NCCB-9600	"java.lang.ThreadDeath" exceptions observed at JAVA console while navigating between the pages using WB default WEB profile	Oracle's Java plug-in Update 65 can cause problems with Niagara's Workbench Applet in all versions of Niagara. The problem can cause images on graphics not to appear properly.
		NCCB-10007	Java 7u_65+ applet restarts while refreshing the Px view with an active Popup binding	In order to prevent ThreadDeath and memory leaks for Ui:BinderThread, a bajau and workbench patch is required. This moves the BinderThread to the main thread group and also ensure that kitControl:Popup Dialogs are properly shutdown when the applet is refreshed. Note that if multiple tabs are open to an applet in the browser, refreshing the applet for a certain tab will only close the dialogs that were spawned from that tab. The other dialogs will remain open and not be effected.
zwave	3.8.38.1	NCCB-8595	Zwave device discovery causes jace to watchdog timeout	fixed