

INTEGRA 4.9 Release Notes

TITLE INTEGRA 4.9 Release Notes URL NAME

INTEGRA-4-9-Release-Notes

DESCRIPTION

Issues fixed in INTEGRA 4.9 Release

Release Notes not assigned a module

| HAREMB- 1124 | Canceling "Change System Passphrase" action via syssh (Ctrl+C) leaves keyboard input hidden | |
|--|--|--|
| Passphrase | ions of INTEGRA, issuing a ctrl+c command during the Serial Shell "Change System Utility" would result in the serial shell no longer echoing characters to the screen when has been corrected. | |
| HAREMB- 1249 | WiFi client mode system memory loss | |
| | ng wifi in client mode, the io-pkt networking stack would leak small allocations of he bind loop. The io-pkt package has been updated to correct this memory leak. | |
| | | |
| NCCB- 39171 | Station password allows non-ascii chars but impossible to login with it | |
| Previously, setting user passwords through HTML5 views with non-ascii characters would cause the password to become corrupt, making login attempts with the password fail. This has been resolved. | | |
| | | |
| NCCB- 39628 | WebLauncher does not support 4K monitors like wb.exe | |
| there is now | er does not scale well when viewed in High DPI displays. This issue has been fixed, and a batch script available as part of the Web Launcher install directory, which sets the roperties on the executable/s to support High DPI displays. | |



Description Continued: Release Notes not assigned a module

NCCB-40623

Add URL whitelist for WebStart/WebLauncher

By default, WebStart and WebLauncher can no longer be used to directly navigate to arbitrary Web addresses. The only way to directly load external URLs in WebStart is by entering a whitelist in the station's system property for niagara.webbrowser.urlWhitelist system property. See the section "Configuring the Web Browser Whitelist" in the Getting Started with INTEGRA User Guide for details on syntax. If there are hyperlinks between stations and they are in each other's whitelists, then consider that you may still want to open a different WebLauncher or Webstart instance when you get to their login pages, as this ensures the modules that are loaded are specific to the station you are viewing.

NCCB-40625

Bajaux BacnetDate field editor does not display localized day of week

In previous versions of INTEGRA, the BacnetDate bajaUX editor did not support localization. This issue has been fixed and users can now select or edit BacnetDate in their local language accordingly.

| NCCB- | Data is not rendering correctly from algorithm with Sliding Window and COV History |
|-------|--|
| 40909 | Extension |

EnumSchedule output is handled as part of this defect and appropriate Enum value can be used for the Algorithm Blocks (Sliding Window and other Functional Blocks).

| NCCB- 42187 | Platform WiFi Configuration view: "Help -> On View" doesn't find the help. |
|----------------|--|
| | · |

Platform view for Wifi Configuration now correctly resolves Help->About

| NCCB- 47123 | INTEGRA WebLauncher Update |
|----------------|----------------------------|
| | |

Web Launcher 20.1.3 is a major upgrade from the prior version. It carries a number of bug fixes and internal library upgrades to bring it into parity with INTEGRA release version 4.9 and up.

How to update Web Launcher?

Web Launcher has a feature to check for updates over the internet and prompt the user when a new version is available in the cloud. However, existing version of Web Launcher has a bug that prevents a smooth update.

Users will be required to perform a fresh install by downloading the latest version from the cloud via the station web Login page. Click on the INTEGRA Web Launcher Installer link on the station's Web Launcher Web Page, which can be reached via the link on the Login page itself.

Once the download is successful, click on the msi file and follow the installation wizard. You do not have to uninstall the older version. The new installation will automatically update to the latest version.



| Description Continued: Release Notes not assigned a module | | | |
|---|---|--|--|
| NEM-42861 | Document change for MySQL authentication in version 8.0 | | |
| Documenta | tion reflects changes made for MySQL authentication in version 8.0 | | |
| | | | |
| NEM-45327 | 45327 Click defragAndSAveStation from a controller and you get a dialog error message that isn't translated "INTEGRA IT-8000Maintenance.defragAndSaveStationQuestion" | | |
| Added the required lexicons. | | | |
| | | | |
| NEM-45333 | The AccessHxProfile logs you out immediately. The Html5HxProfile should ask to confirm | | |
| New window will appear asking for the user to log out in StandardAccessProfile. | | | |

Release Notes assigned to one or more modules

| NCCB- 41597 | Linux Installer | Linux Installer: NCCB-16541 changes install path inconsistent with install.properties | |
|--|-----------------|---|--|
| Previous versions of the INTEGRA installer for Linux Supervisors would not use the installDirectory.defaultFolder install.properties value if brand.id was defined in brand.properties. The installDirectory.defaultFolder will now be used above all other default folder values when it is available. | | | |
| NCCB- 45883 | Linux Installer | Linux INTEGRA 4 installer failed to set the host ID | |
| Previous versions of the Linux installer may have failed to create the INTEGRA Host ID if the installer_helper.sh was not created as executable. This has been corrected. | | | |
| | | | |
| NCCB- 30881 | alarm | Alarm Portal only attempts to connect to 4911 when TLS session is chosen | |
| In previous versions of INTEGRA, the Alarm Portal only attempts to connect to 4911 when the TLS session is chosen. This issue has been fixed, as the alarm portal will now connect to an alarm console in a running station via any fox, or foxs port. | | | |
| | | | |
| NCCB- 36477 | alarm | Bajaux Alarm Console does not display special characters correctly | |
| In previous versions of INTEGRA, the Bajaux Alarm Console did not display special characters correctly. This issue has been fixed, as escaped characters are no longer a problem in the Bajaux Alarm Console details dialog. | | | |



| Description Continued: Release Notes assigned to one or more module | | | |
|--|---|--|--|
| NCCB- 40814 | alarm | StatusAlgorithm and StatusFaultAlgorithm display status value options {stale} and {disabled} that will not be evaluated | |
| on StatusA but the cor "disabled" been fixed | lgorithm and StatusFaultAlgorithm responding alarm algorithms were or "stale". Therefore, an alarm will r | alues "disabled" and "stale", were available as options n (part of the StatusAlarmExt in the alarm palette), e never evaluated if a control point's status is never be raised for these status values. This issue has n removed from these alarm algorithms using an n the filter are not displayed). | |
| NCCB- 41074 | alarm, baja | BFormat result for normalTime/lastUpdate on Alarm Record is missing seconds | |
| is missing timestamp | seconds. When using BFormat to d | esult for normalTime/lastUpdate on an Alarm Record isplay time values of an Alarm Record, only the This issue has been fixed, as the normalTime, <i>r</i> ith seconds. | |
| NCCB- 41222 | alarm | Workbench Alarm Portal Tool Running Out of Memory | |
| In previous versions of INTEGRA, Workbench could run out of memory and crash when connecting to multiple recipients in the Alarm Portal Tool. This issue has been fixed, as Workbench no longer runs out of memory and crashes when connecting to multiple alarm recipients. | | | |
| NCCB- | alarm | AlarmData.timezone is not preserved in supervisor | |
| 41378 database In previous versions of INTEGRA, the AlarmData.timezone was not preserved in supervisor database in certain instances. This issue has been fixed, as the timezone in an alarm record's alarm data is no longer overwritten during remote alarm routing. | | | |
| NCCB- 42678 | alarm | Cannot view alarm notes under bajaux Database Maintenance View | |
| In previous versions of INTEGRA, users were unable to view alarm notes under both the Bajaux Alarm Database Management and Database views. This issue has been fixed, as there is now have a command in the alarm details dialog which shows the notes in each view. | | | |
| | | | |
| NCCB- 42787 | alarm | Alarm Database Maintenance commands visible to users without proper permissions | |
| In previous versions of INTEGRA, the Alarm Database Maintenance commands were visible to users without proper permissions. This issue has been fixed, as the commands on the Alarm DB Maintenance view are now hidden when the user does not have admin invoke permissions. | | | |



| NCCB-448 | alarm | Unacked Alarm Count is sometimes incorrect in Alarm Class |
|--|---------------------------------------|--|
| In previous versions of INTEGRA, during certain conditions, it was possible for the Unacked Alarm Count to be incorrect in the Alarm Class. This issue has been fixed, and the Unacked Alarm Count property is now accurately reflected in an Alarm Class. For stations on previous versions that will be upgrading to 4.9 and are experiencing similar alarm count problems while using the OrionAlarmService, the errors can be corrected by running the maintenance command in the Database Maintenance view. | | |
| NCCB- 39263 | backup, platform, platWifi | Station based backup requires access to platform net, DHCPD, WiFi directories |
| platform w | hen a backup distribution was res | ore the WiFi, 802.1X and DHCPD configurations of the tored through the Backup Service of a running rm Distribution File Install were not affected. |
| | bacnet, bajaui, history, workbench | PxViewToPdf does not output up-to-date data in HistoryTables |
| In INTEGRA 4.8, the PxViewToPdf export did not include current data in History Tables. This has been fixed, and the data should now be up-to-date when exporting HistoryTables into a PxViewToPdf. | | |
| NCCB- 44295 | bacnet | Value of cov-resubscription-interval should not be allowed to exceed 28800 seconds. |
| Trend Log Object in the BACnet driver cannot have cov-resubscription-interval property a value greater than 28800 seconds. | | |
| NCCB- 45069 | bacnet | Unclear error for Bacnet enum facet range non- contiguous |
| The fault now shows the proper cause "State Range supports only contiguous ordinal.", in place of "Range must be 1-N for export to BACnet." | | |
| NCCB- 40663 | baja, control | Control Point output rarely fails to update with most recent input priority slot change |
| In previous versions of INTEGRA, it was possible that control point executions could be skipped if one was already in progress while another was requested. Additionally, under rare conditions, this could cause the output to be stuck at an old value/status. This was not typically seen when a control point was executed due to a link but could occur when using the property sheet view to manually change an input slot's value. This issue has been fixed and control point executions now function as expected during such conditions. | | |



| NCCB- 44127 | baja, naxisVideo, workb | Manually copying/saving components with ench reversible passwords to a BOG file will fail if the |
|----------------|-------------------------|---|
| | | default value is not Bpassword.DEFAULT |

In previous versions of INTEGRA, manually copying and saving components containing passwords from a station to a BOG file would fail, under the following circumstances: * The password contained in the component is reversible * The password has a default value other than Bpassword.DEFAULT This defect has been fixed so that the copy/save to BOG will now succeed and such reversible password values will be reverted to Bpassword.DEFAULT.

| NCCB- | haia | Moduledev provides insufficient logging info to |
|-------|------|---|
| 44582 | baja | diagnose problems |

ModuleDev info logging has been improved to assist developers in diagnosing problems with their moduledev.properties configuration.

| and JobService |
|----------------|
|----------------|

Previous versions of the INTEGRA Data Recovery Service could report a "deadlock" in the Application Director when encountering a INTEGRA History event for the first time. This has been corrected. An effected device will require a INTEGRA Station restart in order to correct the problem.

| NCCB- 44726 | baja | Add permission "enableContextClassLoaderOverride" to MANAGE_EXECUTION group |
|--|------|---|
| The INTEGRA Permission Group MANAGE_EXECUTION has been updated to allow modules to | | |

request enableContextClassLoaderOverride permissions which are checked in code by the security manager. For more details, refer to the 'Requesting Permissions' developer documentation.

| NCCB- 46565 | IDala | nCloudDriver prevents Workbench connections when maintenance has expired |
|----------------|-------|---|
|----------------|-------|---|

If an authentication scheme fails to load it can prevent fox connections to remote stations. This is been resolved in INTEGRA 4.9.

| NCCB- | bajaScript | baja.NameList fails to decode a BNameList with |
|-------|------------|--|
| 23460 | bajaScript | trailing semicolon |

The baja.NameList fails to decode a BNameList with a trailing semicolon. This issue has been fixed and the trailing semicolon for the NameList no longer causes problems when entered. Additionally, the NameList now also ignores leading and trailing whitespaces.



| NCCB- | bajaScript | BajaScript can fail to start in IE on an intranet site |
|-------|------------|--|
| 38165 | | |

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

| NCCB- 42923 | bajaScript | Missing NSpaceScheme in BajaScript |
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|----------------|------------|------------------------------------|

In prior versions of INTEGRA, resolving a nspace Ord via a browser client (bajaScript) would result in the server side to an unmounted station component that cannot be used in Bajaux views. Resolving a nspace Ord via bajaScript that resolves to the local, or remote component space, is now supported in INTEGRA.

| balaux, hx, webeditors | nen field editor doSave fails, duplicate errors are own |
|------------------------|--|
|------------------------|--|

In the previous versions of INTEGRA, saving an HTML5 property sheet that exhibits a save failure could result in multiple, duplicate error dialogs. This issue has now been fixed and will only display one error dialog for a save failure.

| NCCB- | Inatally weneditors | Update to Complex values does not show without |
|-------|---------------------|--|
| 42010 | | refreshing Manager |

When adding a child component with its own child component using an HTML5 Manager view, any changes to that "grandchild" component would fail to update the database table until that view was reloaded. This has been corrected, so newly added grandchild components will cause the database table to update when they are changed.

| NCCB- | baining by webEditors | Html5HxProfile Save command is missing in mobile |
|-------|------------------------|--|
| 45305 | bajaux, hx, webEditors | mode |

When the flags argument was undefined, the flatten function in the bajaux module bajaux/commands/CommandGroup would incorrectly only include Commands whose flags were set to Command.flags.ALL. This has been corrected, so commandGroup.flatten() without a flags argument will include all Commands regardless of flags.

| NCCB- 37908 | ibal, smart l'ableHx | StringFilter "Must Include" option is confusingly worded | | |
|---|----------------------|---|--|--|
| When using a StringFilter (for example, when filtering the results of the Audit History table), the | | | | |

wording has changed from "Must Include" to "Must Match." This more closely matches the real behavior or represents a pattern match rather than a simple substring search.



| Description Continued: Release Notes assigned to one or more modules | | | | | | | |
|---|---|--|--|--|--|--|--|
| NCCB- 38910 | bql, webChart | Stacked bar chart does not display using Last24Hours and rollup function | | | | | |
| displaying | In past releases, when rollup was turned on, certain graphs such as Stacked Bar Chart had issues displaying data in the last 24 hours and last 7 days. This issue has been fixed, as start times now round up to the top of the hour / day for the last 24 hours and 7 days respectively. | | | | | | |
| NCCB- 41722 | cloudSentienceConnector | Cloud Connector Last Fail Cause is insufficient and unhelpful in some cases | | | | | |
| | Connector's Last Fail Cause now co tor fails to connect in certain cond | ntains a more understandable error message when itions. | | | | | |
| NCCB- 34658 | control | Deadlock while moving points with DiscreteTotalizerExts in a station | | | | | |
| DiscreteTo | | an occur while moving points with nas been fixed, as the deadlock will no longer occur TotalizerExt. | | | | | |
| NCCB- 39230 | control | DiscreteTotalizerExt can rarely deadlock when being added to a station | | | | | |
| point in a r | | an occur when adding a DiscreteTotalizerExt to a n fixed, as deadlocks no longer occur when adding | | | | | |
| NCCB- | | Google Chrome will not trust self-signed certificates | | | | | |
| 35850 | cryptoCore, web | with IP Address for CN and SAN | | | | | |
| created wh | en submitting an IP address instea | an incorrect subject alternative name entry being ad of a DNS name. Newly created certificates will now atry with the appropriate general name type. | | | | | |
| NCCB- 40871 | cryptoCore | Only one TLS client connection can be opened at a time | | | | | |
| In previous versions of INTEGRA, TLS client connections with long timeouts could prevent other TLS client connections from being established. This issue has been fixed, as the timeouts no longer prevent the establishment of other TLS client connections. | | | | | | | |
| NCCB- 44438 | cryptoCore, platDaemon | Module signature verification in commissioning doesn't account for trust store of new jre | | | | | |
| In affected selected m versions, m | odules due to the outdated system | ard may indicate signature warnings or errors for In trust store on the INTEGRA IT-8000. In fixed system trust store that will take affect when | | | | | |



| NCCB- 44919 | cryptoCore, jetty, niagarad | INTEGRA daemon logs cipher warnings w/ Jetty 9.4 |
|----------------|-----------------------------|--|

Due to updates with industry best practices, the ciphers suite support by INTEGRA TLS connections (niagarad, fox, web) have been updated:

- removed SHA suites from the recommended list
- added DHE suites to both recommended and supported lists
- with the addition of the DHE suites, removed DSS suites
- NOTE: Clients always use the "supported" list for backwards compatibility.
- NOTE: Servers continue to default to the "recommended" list.

Recommended Cipher Suites (13 values)

| Name | Encryption Bits | Message Auth Cipher | Key Exchange Cipher | Encryption Cipher |
|---|-----------------|------------------------|------------------------|----------------------|
| TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | ECDHE_ECDSA | AES_256_GCM |
| TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | ECDHE_ECDSA | AES_128_GCM |
| TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 | 256 | SHA384 | ECDHE_ECDSA | AES_256_CBC |
| TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | ECDHE_ECDSA | AES_128_CBC |
| TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | ECDHE_RSA | AES_256_GCM |
| TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | ECDHE_RSA | AES_128_GCM |
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 | 256 | SHA384 | ECDHE_RSA | AES_256_CBC |
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | ECDHE_RSA | AES_128_CBC |
| TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | DHE_RSA | AES_256_GCM |
| TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | DHE_RSA | AES_128_GCM |
| TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 | 256 | SHA256 | DHE_RSA | AES_256_CBC |
| TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | DHE_RSA | AES_128_CBC |
| TLS_EMPTY_RENEGOTIATION_INFO_SCSV | | | | |

Supported Cipher Suites (25 values)

| Name | Encryption Bits | Message Auth Cipher | Key Exchange Cipher | Encryption Cipher |
|---|-----------------|------------------------|------------------------|----------------------|
| TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | ECDHE_ECDSA | AES_256_GCM |
| TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | ECDHE_ECDSA | AES_128_GCM |
| TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 | 256 | SHA384 | ECDHE_ECDSA | AES_256_CBC |
| TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | ECDHE_ECDSA | AES_128_CBC |
| TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA | 256 | SHA1 | ECDHE_ECDSA | AES_256_CBC |
| TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA | 128 | SHA1 | ECDHE_ECDSA | AES_128_CBC |
| TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | ECDHE_RSA | AES_256_GCM |
| TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | ECDHE_RSA | AES_128_GCM |
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 | 256 | SHA384 | ECDHE_RSA | AES_256_CBC |



Supported Cipher Suites (25 values)

| Name | Encryption Bits | Message Auth Cipher | Key Exchange Cipher | Encryption Cipher |
|---------------------------------------|-----------------|------------------------|------------------------|----------------------|
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA | 128 | SHA1 | ECDHE_RSA | AES_128_CBC |
| TLS_RSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | RSA | AES_256_GCM |
| TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 | 256 | SHA384 | DHE_RSA | AES_256_GCM |
| TLS_RSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | RSA | AES_128_GCM |
| TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 | 128 | SHA256 | DHE_RSA | AES_128_GCM |
| TLS_RSA_WITH_AES_256_CBC_SHA256 | 256 | SHA256 | RSA | AES_256_CBC |
| TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 | 256 | SHA256 | DHE_RSA | AES_256_CBC |
| TLS_RSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | RSA | AES_128_CBC |
| TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 | 128 | SHA256 | DHE_RSA | AES_128_CBC |
| TLS_RSA_WITH_AES_256_CBC_SHA | 256 | SHA1 | RSA | AES_256_CBC |
| TLS_DHE_RSA_WITH_AES_256_CBC_SHA | 256 | SHA1 | DHE_RSA | AES_256_CBC |
| TLS_RSA_WITH_AES_128_CBC_SHA | 128 | SHA1 | RSA | AES_128_CBC |
| TLS_DHE_RSA_WITH_AES_128_CBC_SHA | 128 | SHA1 | DHE_RSA | AES_128_CBC |
| TLS_EMPTY_RENEGOTIATION_INFO_SCSV | | | | |
| removed SHA suites from the recommend | ed list | | | |

- added DHE suites to both recommended and supported lists
- with the addition of the DHE suites, removed DSS suites
- NOTE: Clients always use the "supported" list for backwards compatibility.
- NOTE: Servers continue to default to the "recommended" list.

| NCCB- 46584CryptoCoreClientSocketFactory error handling not properly escape IPv6 device specification | does |
|---|------|
|---|------|

Previous versions of INTEGRA may have failed to properly escape the IPv6 device specification character (%) when creating TLS client error messages for failed IPv6 connections. This would lead to the client failing to create the relevant error message such as: "SEVERE [12:31:32 28-Mar-20 EDT][crypto] Could not create socket fe80:0:0:0:bce6:3bb3:6bd9:ed06%10:5011]. Cause is: ". This has now been corrected.

| NCCB- 19587 | docDeveloper | docDeveloper Modules section contains errors |
|----------------|--------------|--|
|----------------|--------------|--|

In previous versions of INTEGRA, the docDeveloper Modules section contains errors. This issue has been fixed, as a small correction was made to the modules section of decDeveloper correcting a module part name in the dependencies section of the manifest.xml example.

| NCCB- 39325 | email | Email StartTLS has no support for TLSv1.1 or greater |
|---|-------|--|
| In previous versions of INTEGRA, email startTLS has no support for TLSv1.1 or greater. This issue | | |
| has been fixed and the Email Service now supports TLS 1.1 and 1.2 when using startTLS. | | |



| NCCB- 40726 | export, webEditors | Px view exports from browser do not work with non- slot ord schemes like hierarchy | |
|---|--|---|--|
| | • • • • | iew to PDF on a non-slot ord such as a hierarchy, | |
| | virtual ords was causing an error w s exports are now working correctly | hich prohibited its export. This issue has been fixed, /. | |
| | | | |
| NCCB- 42917 | export, file, smartTableHx | CSV exports vulnerable to formula injection | |
| accordingly which will p system pro | character could have been interpreted as a formula by a spreadsheet program and executed accordingly. Now, any cell in a table export that looks like a formula will be prepended by a space, which will prevent it from being executed. To revert to the previous behavior, set the following system property: niagara.export.preventCSVInjection=false | | |
| NCCB- 41949 | exportTags | BMultiStationNamePickerFE does not coalesce duplicate selections as intended | |
| Previous versions of the INTEGRA exportTag MultiStationNamePicker Field Editor would not properly coalesce duplicate Station name entries selected during save. This could result in a BList of a values that could contain duplicate Station names. This has now been corrected to remove duplicate selections. | | | |
| | | | |
| NCCB- 37568 | history | History Db Maintenance has incorrect selector labels | |
| In previous versions of INTEGRA, the History Db Maintenance contained incorrect selector labels. This issue has been fixed and there is now consistency between the lexicon text in the browser and workbench history modules. | | | |



| NCCB- | history | Min &Max Facets of Point propagate to Tolerance of |
|-------|---------|--|
| 44339 | history | History CoV Ext |

In INTEGRA 4.8, the changeTolerance property of the NumericCovHistoryExt was adversely affected by the min and max facets of the parent point, so that it would disregard any user entry outside of the maximum or minimum ranges. This issue has been fixed, as the changeTolerance property of the NumericCovHistoryExt will now inherit the following formats from the parent numeric point: precision, showUnits, showSeparators, and the differential form of unit. Additionally, a Min Facet of 0 was added to the changeTolerance property because entering a negative value would cause an unexpected adverse result.

| NCCB- 44341 | history | Deadlock while deleting histories | |
|--|---|---|--|
| | 4.8, a JVM deadlock can occur whe ck will not occur when deleting hist | en deleting histories. This issue has been fixed and cories. | |
| | | | |
| NCCB- 18843 | hx, web | Hx javascript files and other web resources require browser clear cache to take effect | |
| resources. | HxProfiles no longer require clearing your browser cache to get new js and css files from module resources. Module image files are less likely to require a clear cache, but sometimes you may need to clear your browser cache to pick up a module image if it does change. | | |
| NCCB- 27899 | hx | Polygon with value binding and hyperlink has incorrect "hitbox" in html profile | |
| technology to compare | HxPx Shapes and Paths now render in svg instead of canvas. This was done so that mouse overs should behave more similar to workbench. In some cases, svg will be a more precise rendering technology than canvas, but if you prefer the older canvas rendering technology (or you just want to compare), you can set this system property: "hx.graphics.canvas=true". You can also add a View Parameter of " view?svg=false" to your URL to any HxPx View to view the older canvas rendering. | | |
| NCCB- 30925 | hx, themeZebra | Use of Source Sans Pro font in N4 px pages fails in browser | |
| In previous versions of INTEGRA, the use of Source Sans Pro font in N4 px pages would fail when viewed in a browser. This issue has been fixed and N4 px pages that contain Sans Source Pro font now render correctly in web browsers. | | | |
| | | | |
| NCCB- 32700 | hx | HxPxBorderPanes render content incorrectly when label property is non-null | |
| | | BorderPane, the border would not paint correctly n corrected and the HxPxBorderPanes render content | |

correctly when the label property is non-null.



| Descripti | Description Continued: Release Notes assigned to one or more modules | | | |
|--|--|---|--|--|
| | | | | |
| NCCB- 41974 | hx | HxCollectionTable does not respect Column facets like showing seconds for Series Transform time precision | | |
| seconds fo | r Series Transform time precision. | Table did not respect Column facets showing This issue has been fixed, as the HxCollectionTable onds for histories and series transform columns. | | |
| | | | | |
| NCCB- 46554 | hx | Modal PopupBinding should focus on previous popup windows on second click | | |
| providing t links to the | his functionality, but browsers like | ne browser tab. Chrome 81 is currently capable of Firefox may only focus on an existing Popup if it as this functionality is limited by the browser's rules | | |
| NCCB- 46806 | hx, uxBuilder | Clicking on invisible Polygon no longer works | | |
| instead of o cases, svg canvas reno "hx.graphic | HxPx Shapes and Paths that have "Null" set on the Fill and Stroke properties now render in svg instead of canvas. This was done so that mouse overs behave more similar to workbench. In some cases, svg will be a more precise rendering technology than canvas, but if you prefer the older canvas rendering technology (or you just want to compare), you can set this system property: "hx.graphics.canvas=true". You can also add a View Parameter of " view?svg=false" to your URL to any HxPx View to view the older canvas rendering. | | | |
| | | | | |
| NCCB- 43082 | jetty, jettyWrapper | Improve INTEGRA Resilience to Network Scans | | |
| Improved web service configuration to handle stresses of different types of network scanning tools. For more information on how INTEGRA will behave under these conditions please review the KB article INTEGRA 4.9+ and IT Network Scanners | | | | |
| NCCB- 45210 | jetty, web | Jetty Web Server on INTEGRA IT-8000-8000 locking up | | |
| Updated Je | Updated Jetty version and tuned appropriately for all known web server lockup issues. | | | |
| | | | | |
| NCCB- 41132 | jxBrowser | JxBrowser remote debugging port clashes with Karma | | |
| The port used by JxBrowser's remote debugging capability in Workbench can now be configured with the niagara.jxbrowser.remoteDebuggingPort system property. It will default to port 9222 if not specified. | | | | |



| Description Continued: Release Notes assigned to one or more modules | | | |
|--|--|--|--|
| NCCB- | kitPxN4svg, svg, svgBatik | syg animation issues in workbanch with kitPyN4Syg | |
| 21386 | | svg animation issues in workbench with kitPxN4Svg | |
| | G's would stutter and not animate | nibited multiple animation issue where animated smoothly. This issue has been fixed, and SVG files | |
| brand but a | | now removes existing license files that have the same possible to end up with multiple license files on a vent the station from starting. | |
| NCCB- 18137 | lonworks | Lon Proxy Ext "Link Type" doesn't persist after Adding Proxy Point | |
| | s LonPointManager linkType was f override any setting user made wh | orce to unknown when user added new proxy points. hen creating a new point. | |
| NCCB- 38281 | lonworks | Cannot create more than 4096 Local Lon NVs in Lon Network | |
| | | e supported is 4096. Added mechanisms to block de an error popup when this is attempted. | |
| NCCB- 39092 | Lonworks | Lon Utilities Manager Identify Service pin never times out | |
| received th | If user initiated a service pin action in Lonworks Utilities Manager and no service pin message was received the UI would never time out. Issue has been fixed such that appropriate timeout is observed and the execute button becomes available again. | | |
| NCCB- 14942 | migration | N4 Migration Tool does not migrate obsolete widget in px page | |
| In previous versions of INTEGRA, the N4 Migration Tool does not migrate obsolete widgets in px page. This issue has been fixed, as a BacnetWsDeviceManager view embedded in an AX Px page can now be converted to its N4 counterpart, BacnetAwsDeviceManager, using n4mig. | | | |
| NCCB- 42748 | nCloudDriver | 4.8.0.106.1: Content error when trying to access CloudNetwork | |
| INTEGRA 4 view will ge of the drive | .8, you will find that the INTEGRA C enerate a content error upon attem | INTEGRA Cloud Honeywell Sentience Driver with Cloud Network's "N Cloud Driver Device Ux Manager" Opting to load. This is corrected in the 2019.1 version Druse with INTEGRA 4.8 installations. For an affected Manager view. | |



| NCCB- 40893 | Inconsistent behavior of direct tag flags/INTEGRA IT-8000s/removals for INTEGRA proxy point fetched | |
|----------------|--|--|
| +0095 | tags | |

Prior to this fix, if a INTEGRA proxy point was duplicated and modified with a different Point Id (to reference a different remote point) using the INTEGRA Point Manager view, then any previously fetched direct tags (such as the "n:history" tag) that were persisted on the original point would be duplicated to the new point, but those tags would never be updated (or removed if they didn't apply to the new referenced remote point). Even invoking the 'Force Update INTEGRA Proxy Points' would not remedy these persisted, fetched tags. This problem has now been fixed, so that persisted, fetched tags will be updated on such duplicated points, and edits using the INTEGRA Point Manager view itself will no longer incorrectly modify any slot flags or INTEGRA IT-8000s that were applied to the direct tag properties.

| NCCB- 45390 | niagaraDriver, niagaraVirtual, webChart | Nuisance errors when viewing INTEGRA Virtual Px views that include web charts |
|----------------|--|---|
| Prior to thi | s fix, when viewing INTEGRA Virtua | I Px views that included web charts, the following |
| error mess | ages was issued in the supervisor s | station: |
| SEVERE [07 | 7:49:18 16-Jan-20 EST][niagara.file] | Unable to copy remote |
| file:^charts | s/defaultOptions.chart to local | |
| file:^nstati | ions/INTEGRA IT-8000/charts/defa | aultOptions.chart |
| java.io.IOE | xception: Could not find Remote Fi | le: file:^charts/defaultOptions.chart |
| at com.tric | lium.nd.file.BNiagaraFileDescriptor | r.createAllFiles(BNiagaraFileDescriptor.java:268) |
| at com.tric | lium.nd.file.BNiagaraFileImport.cop | pyFilesFromRemoteToLocalSpINTEGRA IT- |
| 8000(BNia | garaFileImport.java:89) | |
| at com.tric | lium.nd.file.BNiagaraFileImport.do | FileExecute(BNiagaraFileImport.java:61) |
| at com.tric | lium.nd.file.BNiagaraFileDescriptor | r.doExecute(BNiagaraFileDescriptor.java:198) |
| at auto.cor | m_tridium_nd_file_BNiagaraFileImp | port.invoke(AutoGenerated) |
| at com.tric | lium.sys.schema.ComponentSlotM | ap.invoke(ComponentSlotMap.java:1891) |
| at com.tric | lium.sys.engine.EngineUtil.doInvok | e(EngineUtil.java:62) |
| at javax.ba | ja.sys.BComponent.doInvoke(BCor | mponent.java:1258) |
| at javax.ba | ja.util.Invocation.run(Invocation.jav | va:47) |
| at javax.ba | ja.util.ThreadPoolWorker\$WorkerT | hread.run(ThreadPoolWorker.java:290) |
| | | |
| | • | charts/defaultOptions.chart) did not exist on the |
| | | optional and (often) not expected to exist, this error |
| message w | vas a nuisance. This problem has no | ow been fixed so that the optional file will not cause |

unnecessary file import errors.



| NCCB- 46219 | INTEGRA Driver | Px Ord bindings containing history IDs in shorthand form don't resolve when loaded in INTEGRA virtual |
|----------------|----------------|---|
| | | Px views |

Prior to this fix, when viewing INTEGRA Virtual Px views that contained embedded (saved) history web chart files or web charts with history ORD bindings in shorthand form (e.g. "^" history ID form), they would not resolve correctly. This has now been fixed so that such Px views will load correctly on both the remote station and the local station. If you had previously viewed/imported a remote (saved) web chart file, after upgrading, you may need to invoke the 'Reload Virtual Px Views' action on the INTEGRA Virtual component and clear the browser cache (or JxBrowser cache if running in Workbench) in order to see the corrected chart in the INTEGRA Virtual Px view.

| NCCB- | INTEGRA Virtual | Virtual Px on Demand ignores view designation for | | | | | |
|-------|-----------------|---|--|--|--|--|--|
| 41563 | | absolute Ord | | | | | |

Prior to this fix, on-demand INTEGRA virtual Px files would not respect a view designation in the source Px file when using an absolute ORD. For example, the below absolute ORD would work for a hyperlink in a Px view in a source station, but when it was loaded into a supervisor via an ondemand INTEGRA virtual Px file, the view selection would be stripped off (the "view:CustomPxView" part) and it would instead hyperlink you to the default view: station:[slot:/Drivers/BacnetNetwork/Floor1]view:CustomPxView

This defect has now been fixed so that it will preserve the view selection. Furthermore, if the view selection is a hard-coded view (non-Px) that is not supported against a INTEGRA virtual representation of the component in the supervisor, it will continue to route to the default view selection from the on-demand INTEGRA virtual Px.

| NCCB- | INTEGRA Virtual | Some ORDs in INTEGRA Virtual Px views not |
|-------|-----------------|---|
| 42891 | INTEGRA VIITUAI | converted correctly |

In previous versions of INTEGRA, some ORD bindings in INTEGRA Virtual Px views were not converted correctly from their source ORDs in the Px view on the remote station. In particular, the following weren't being converted properly:

- Source ORDs to other virtuals on the remote station (e.g. BACnet virtuals)
- Some relative ORDs used as a hyperlink or popup binding
- Non-slot ORDs (e.g. file ORDs) used as a hyperlink

These incorrect ORD bindings have now been fixed when loading INTEGRA Virtual Px views.



| NCCB- 44213 | INTEGRA Virtual, webChart | Resolving local history for INTEGRA virtual point broken when 4.7+ supervisor connected to 4.6 (or |
|----------------|---------------------------|--|
| 44213 | | earlier) station |

Starting in INTEGRA 4.7, if a INTEGRA virtual point was sourced from a remote station at INTEGRA version 4.6 (or earlier back to INTEGRA 4.2) and the history for that virtual point was already imported to the local station, then upon opening the web Chart view on that virtual point it would not locate the local history to display. Instead, it would revert to an empty chart. This regression defect has now been fixed, so that it will find the local history to view when the Chart view is opened for an INTEGRA virtual point. As a potential workaround, if all stations are at INTEGRA 4.7 or later, this defect does not manifest itself.

| NCCB- 39043 | niagarad, platDaemon | UpdateSshdMessage uses default daemonsession.timeout value, fails on short custom values |
|----------------|----------------------|--|
|----------------|----------------------|--|

Previous versions of INTEGRA Workbench might report a session timeout error when enabling SSH on a remote embedded platform if they were using daemonsession.timeout values of < 10 seconds. This has been corrected.

| NCCB- 40004 | niagarad, platform | Engine Watchdog Timeout policy of "Reboot" should not be allowed, invoked on platforms that do not support reboot |
|----------------|--------------------|---|
|----------------|--------------------|---|

Previous versions of INTEGRA would allow a "Reboot" Engine Watchdog Policy on platforms that did not support reboot actions (Supervisors). The System Platform Service Plugin will now only show the policy values permitted for that platform.

| NCCB- 40977 | Integrad | Windows Service for INTEGRA Daemon fails on ServicesPipeTimeout |
|----------------|----------|--|
| | | |

Previous versions of the INTEGRA Daemon on Windows Supervisor environments may have failed to shut down in a timely fashion when stopped through the Windows Service manager, this has been corrected. You can manually stop the service (INTEGRA Service) through the Task Manager to ensure a timely exit. Previous versions of the INTEGRA Daemon would generate messages in the Windows Event View without a valid event code, resulting in messages with the warning "The description for Event ID 1 from source INTEGRA". This has been corrected to only display the relevant log information. Previous versions of the INTEGRA Daemon on Windows Supervisor environments may have failed to start as a service after a reboot. This has been corrected.

| NCCB- | 250 | Client TLS handshake can get stuck in an infinite | | | |
|---|-----|---|--|--|--|
| 38305 | nre | loop | | | |
| Previously, making a TLS connection to a server whose certificate has changed from Workbench or | | | | | |
| Station could cause the connection to hang indefinitely. This has been resolved. Workaround for | | | | | |
| affected versions is to kill the hung Workbench or Station and restart. | | | | | |



| NCCB- | pro | NullFirewallProcessor consumes thread on | | | |
|---|-----|--|--|--|--|
| 39340 | nre | platforms that don't use Pf based Firewall rules | | | |
| Previous versions of the INTEGRA Station would create an unnecessary "tFirewallProcesser" threa in Supervisor environments. This thread will no longer be created in environments where it is not required. | | | | | |
| | | | | | |

| NCCB- 41106nre, web, workbenchCannot download files with extended Unicoc characters in content | ode |
|--|-----|
|--|-----|

In previous versions of INTEGRA, 18nicode characters such as smileys, in files were not supported by workbench or browser views. This has been fixed and you can now view or download files with content that contains extended 18nicode characters.

| NCC | В- | | nre | | | nre. | nre.properties 256M value is not enough for default | | | | | | |
|-----|----|----|-----|--|---|------|---|---------|-------|-------|---------|---|--|
| 469 | 05 | ľ | ire | | | | Sup | ervisor | INTEG | GRA S | itation | I | |
| | | 1. | | | ~ | | | | | | | | |

The default Java Heap size for INTEGRA Supervisor Stations has been increased from 256 MB to 512 MB. Please use the nre.properties file to modify this value as your installation requires.

| NCCB- | nec | Security Dashboard fails to load if INTEGRA station | | | | |
|-------|-----|---|--|--|--|--|
| 43067 | nss | client address is null | | | | |

In INTEGRA 4.8, the Security Dashboard would fail to load if INTEGRA station client address is null. This issue has been fixed, as the Security Dashboard has been updated to correctly handle stations that have a null address.

| NCCB- | | |
|-------|-----|---|
| 46344 | nss | Missing documentation for nss:StationSecurity |
| 40344 | | |

In previous versions of INTEGRA, the documentation for nss:StationSecurity was missing. This issue has been fixed, as the correct help guide base for the nss module has been added accordingly. Additionally, using 'Guide on Target' on nss components should now link to the correct documentation location.

| NCCB- | platCrypto | Importing a certificate with no extendedKeyUsage |
|-------|------------|--|
| 36421 | | extensions fails with NPE |

A NullPointerException was being thrown when importing a keypair/certificate combination in to the INTEGRA Key Store when no ExtendedKeyUsage was present. INTEGRA will now successfully execute the import.

| NCCB- | nlatChunta | Closing the Certificate Wizard while generating a |
|---|-----------------|---|
| 45294 | 5294 platCrypto | new certificate result in infinite NPEs |
| Corrected an issue that would cause repeated error messages if the Certificate Wizard was | | |
| canceled while certificates were being generated. | | |



| NCCB- platDataRecoverydataRecoveryManager spy page clears its event history when it goes into fault | |
|---|--|
|---|--|

Previous versions of the Data Recovery Service might fail to include block contents in the spy pages when the service is in fault. This has been corrected.

| are "Reserved, Idle, Idle" | NCCB- | plat Data Dacayany | Data Recovery Service in "Ready" state but blocks |
|----------------------------|-------|--------------------|---|
| | 38307 | platDataRecovery | are "Reserved, Idle, Idle" |

Previous versions of the Data Recovery Service could enter a fault state under heavy stress during the Station save process characterized by the blocks being Reserved, Idle, Idle even though the service is in "ready" state. This behavior is now audited and corrected if it occurs.

| NCCB- 23835 | attorm | Cannot read groups defined in Windows Admin group |
|----------------|--------|--|
|----------------|--------|--|

Previous versions of INTEGRA could fail to properly authenticate INTEGRA Daemon users on Windows platforms that used nested (indirect) local or domain group membership as the INTEGRA administrative group. Nested groups should now be supported for both local and domain groups.

| NCCB- | platform | Application Director and INTEGRA console do not |
|-------|----------|---|
| 33155 | plation | handle UTF-8 characters |

Previous versions of INTEGRA did not properly handle non-ascii text in the console.exe application by default. The default code page of the console.exe application has been updated to UTF-8 (65001). Further code page support can be obtained by using the Windows 'chcp' command. The Application Director and INTEGRA Daemon Output views have been updated to properly handle non-ascii output.

| NCCB- 3493 | provisioningNiagara | Message text field shows blank in Alarm console view when Jobs get cancelled from Provisioning INTEGRA | |
|---|-----------------------|--|--|
| In INTEGRA AX versions of provisioning, alerts raised by cancelled batch jobs provided no message text in the alarm console. In INTEGRA 4 versions, the message text correctly appears. | | | |
| | | | |
| NCCB- 42908 | inrovisioningiviagara | Provisioning step 'Set Property' gives an error for Property name containing 'SpINTEGRA' | |
| The Set Property provisioning step can now accept a string with a spINTEGRA as a valid property name. | | | |



| NCCB- 45002 | provisioningNiagara | Application template installation job fails for Windows Server 2019 Supervisors provisioning remote stations |
|----------------|---------------------|--|
|----------------|---------------------|--|

When using an Excel spreadsheet for template bulk deployment or provisioning, the Excel workbook must be exported from the template being installed, and the names must match. Reusing an Excel workbook for a re-named copy of a template led to an exception during deployment. The name mismatch that generated the exception is now checked, and a deployment failure message will be issued instead.

| NCCB- 45884 | provisioningNiagara | set property job step fails for BWebProfileConfig with javax.baja.sys.NoSuchSlotException selectedHxTheme |
|----------------|---------------------|---|
| | | |

The provisioning 'Set Property' step would fail if the property type was a BTypeConfig. Properties with this type can now be set through the 'Set Property' provisioning step.

| InvEditor | PxEditor's BDouble editor can read but not write in the user's specified number format |
|-----------|--|
|-----------|--|

In previous versions of INTEGRA, DoubleCE and FloatCE (used for editing numeric properties in the Px Editor) could only read numbers using a dot for a decimal separator. This issue has been fixed and both editors can now successfully read numbers using the decimal separator appropriate to the current locale.

| NCCB- | rdb, rdbSqlServer | rdbmc bistony export fails with truncation errors |
|-------|-------------------|---|
| 42638 | rub, rubsqiserver | rdbms history export fails with truncation errors |

In previous versions of INTEGRA, the rdbms history export would frequently fail with truncation errors. This issue has been fixed and users will have an option to use Bigint data type for the index column of the history tables by setting the system property

(niagara.rdb.useBigintDataTypeForldColumn). The changes would reflect in new history export tables. For existing tables, if the ID index value is out of the range of the int data type (max 2,147,483,647), the DBA needs to manually alter the table to modify the column type to BIGINT. For SQL Server database (might have to disable the Primary key before the ALTER. Enable the Primary key after):

ALTER TABLE ALTER COLUMN id BIGINT;

For MySQL database:

ALTER TABLE MODIFY COLUMN id BIGINT NOT NULL AUTO_INCREMENT; {quote}

| NCCB- | Ireport | html grid table ignores BCompGridColumn ord |
|-------|---------|---|
| 42043 | | property for BSingleQueryRow |

In previous versions of INTEGRA, the HTML Component grid displayed incorrect values for query templates with columns that contain slot references. This issue has been fixed, and the HTML Component grid now displays the correct values, while respecting the slot ords in each column.



| NCCB- 44061 | report | Labels layout incorrectly when added to ReportPane | |
|---|--------------------|---|--|
| In INTEGRA 4.8, when a ReportPane contained labels showing multi-line texts with word wrap, the text would not wrap correctly on the first layout, but rather only after the ReportPane had been resized. This has been corrected, so the text wraps correctly on first layout. | | | |
| NCCB- 44132 | report | html grid table right click Go To links to individual components | |
| In INTEGRA 4.8, the "Go To" hyperlink on a Component Grid context menu was redirecting to the subject of the cell, instead of the subject associated with row. This issue has been fixed, and the user will now be correctly redirected to the row's subject while behaving like the row double click function. | | | |
| NCCB- 45115 | report, webEditors | Html5 Grid Table sorts incorrectly so its sorting should be disabled | |
| In INTEGRA 4.8, HTML-5 grid tables were sorting incorrectly, as values in the 100s would appear above those in the range of 20-to-99. This sorting has now been disabled on the HTML 5 Grid Tables to match the existing Workbench behavior. | | | |
| NCCB- 40843 | saml | SAML authentication cannot handle encrypted attributes | |
| In previous versions of INTEGRA, SAML authentication cannot handle encrypted attributes. This issue has been fixed and a user with the SAMLAuthenticationScheme can now be configured to handle encrypted attributes. This allows users to be configured where attributes are passed to the station, from the IdP, encrypted. | | | |
| NCCB- 44753 | saml, webEditors | PopOutCommand does not maintain complex/slot settings when building the popped-out editor | |
| When building an editor, fe and feDialogs now allow value to be passed in along with complex and slot. The specified value will be loaded into the editor and they will reject if the given value is not the correct Type for the slot. When using the "pop-out" on a row in a Property Sheet for a custom editor, getComplex() and getSlot() will now return the correct values. | | | |
| | | | |
| NCCB- 40100 | schedule | WebScheduler summary tab does not work on virtual schedules | |



| | varning when systemDb-rt not update missing default search |
|--|---|
|--|---|

Prior to this fix, during station startup when the systemDb-rt module was not installed on the platform (atypical for supervisors, but typical on INTEGRA IT-8000s), the following nuisance warning would be displayed in the station console:

{code} WARNING [16:31:04 03-Jun-19 EDT][search] Could not update missing default search scope properties. Users will need to manually update them under the SearchService {code}

This warning was purely a nuisance in this scenario but has now been suppressed under such conditions to avoid further disruption.

| NCCB- 41088 | seriesTransform | Series Transform chart on Px view cannot be refreshed after changing parameters of transform graph nodes |
|----------------|-----------------|--|
|----------------|-----------------|--|

Prior to this fix, if a Series Transform chart was embedded on a Px view and that Px view was loaded in a browser, a subsequent change made to any of the parameters of the transform graph nodes sourcing it would not be immediately reflected in the Px view's Series Transform chart, even with a refresh of the browser. It required a logout/login (new session) to update the Series Transform chart data on the Px view in the browser. This defect has now been fixed, such that any changes to the underlying transform graph nodes are immediately picked up by a simple refresh of the browser on the Px view.

| NCCB- | smartTableHx | Security Appliance: Page over button not working |
|-------|--------------|--|
| 41477 | | for Consolidated Histories |

Fixed issue in pagination of reports when the report type is selected as "Optimized" for Consolidated queries on the supervisor like the Audit and Attendance History. As a workaround in previous versions, go to the column chooser command switch the report type from "Optimized" to "Full report". Make sure to switch back to optimized after the station is upgraded to the fix version as this is more efficient for a station's limited resources.

| NCCB- 35133 | template | device template deployment creates BFolder parent |
|--|----------|--|
| When a bulk deploy operation needs to create a folder to contain the deployed template, it will now create the correct type of folder rather than a generic folder. This corrects problems with manager views for device driver networks and other INTEGRA IT-8000s. | | |
| NCCB- 36695 | tomplato | Cannot have multiple Px images with the same name in device or application template |
| Corrected improper handling of template files in subdirectories when file names were identical. | | |



Description Continued: Release Notes assigned to one or more modules NCCB-Not able to do Export Configs on template in template 39122 module In previous versions of INTEGRA, when a template is in the templates folder, the Export Configs action is not an option when right-clicking on a template that is in a module, This issue has been fixed and the "Export Configs" menu option is available for module templates. NCCB-Creating a Device Template generates a duplicate in template, workbench 39576 Device Template Mode view Corrected an issue causing duplicate listings for device templates in device manager views. NCCBtemplate DevTemplateMode shows duplicates 39826 When using the DevTemplateMode to deploy Device templates, it was possible that a template name appeared more than once in the list of available templates. Now, the template will only appear once in the list. NCCBtemplate Bulk Deploy Relation link fails when used with lexicon 40589 Inbound and Outbound relations now use the localized label to find matching components during bulk deployments. Duplicate graphics files in application and station NCCBtemplate 40820 templates; edits are non-effective Corrected an issue that sometimes-prevented changes to graphics within the template editor to be deployed. NCCB-Images don't show in template editor when template 40821 reopened Corrected an issue that blocked loading of some image files when editing graphics in a template. NCCB-Configuration slots fail to set value when template 40826 Application Templates are deployed via provisioning Bulk Deployment of templates that contained configurations for custom Types that extended from concrete BStatusValue Types (BStatusNumeric, BStatusString, etc.) could generate a ClassCastException and fail to deploy correctly. This has been fixed to allow this type of deployment. NCCB-Rightclick menu on Config INTEGRA IT-8000 template, workbench 41419 sometimes takes a long time to appear Corrected an issue that sometimes caused a significant delay when invoking the context menu for the root Config component of a large station.



| NCCB- 42556 | template | Unable to set platform credentials via template configuration |
|----------------|---|---|
| | | ted as configurations when creating a template. |
| Device stat | tion (Fox) credentials were already | supported as configurations. |
| | | |
| NCCB- 42826 | template | Ordering of services changed after application template installation |
| Corrected | the ordering of services after appli | cation template installation to match the order of the |
| template s | ource. | |
| | | |
| NCCB- 42883 | template | Template Service "Bulk Deploy from Excel" does not release handle on excel spread sheet until Workbench closed / GC |
| open the w | | a template from workbench, it was not possible to due to workbench keeping a lock on the Excel file. r deployment. |
| | | |
| NCCB- 43030 | template | Template Editor Component Tab: Menu presented in Nav Tree is different |
| | ate Editor Component tab has bee a component in the navigation tre | n changed to present the full Edit menu when right- e on the left side panel. |
| NCCB- 43414 | template | Template load exception when creating application template on some stations |
| through ar | - | g a new application template from a station installed onents linked to the template configuration were |
| | | |
| NCCB- 43418 | template | Template load exception - error in opening zip file when configuring passwords in Component tab of template editor |
| | | aused by passwords entered in the Component tab red this way will not be saved in the template file. |
| NCCB- 44186 | template | Can't deploy template twice |
| | an issue that sometimes produced ate after one successful deploymer | a cryptic error message and prevented deployments at of that same template. |
| | | |
| NCCB- 44364 | template | Sub-Template causing Null pointer exception |
| | an issue that could result in failure sub-template that is out-of-date. | to open a template for editing when that template |



| NCCB- 44366 | template | Template drop failure will corrupt the template |
|---|------------------------------------|---|
| Corrected an issue that could cause cryptic error messages and file corruption to a template if a sub-template was added while editing the template. | | |
| | | |
| NCCB- 45467 | template | Application Template component tab menu differs between a saved template &one being created |
| | | nu items for components in the navigation tree of the ncorrectly disabled when editing a template file. |
| | | |
| NCCB- 46638 | template | Cannot deploy template if it is open |
| | alling the template. | icating that the Template Editor must be closed |
| NCCB- 41508 | where let web | Web Launcher fails when WebService Applet Module |
| In previous versions of INTEGRA, setting the applet cache type in the WebService to "User" caused Web Launcher to fail. This has been fixed and Web Launcher should load the station successfully. | | |
| | | Caching set to User applet cache type in the WebService to "User" caused |
| | versions of INTEGRA, setting the a | Caching set to User applet cache type in the WebService to "User" caused |

restart.



| NCCB- 37275 | web | Obix client authentication floods audit history | |
|---|--|--|--|
| Previously, Obix connections to an INTEGRA Obix server would result in a new session being created for each request, resulting in excessive authentication audit events. In 4.9, the option to allow Obix clients to re-use sessions has been added with the Allow Session Reuse property on the Obix Server and is disabled by default. Enabling this property allows third party Obix clients that include the session cookie on subsequent requests to reuse their session, reducing the number of authentication audit events. In 4.10, the Allow Session Reuse property has been enabled by default, and the internal INTEGRA Obix client has been updated to include the session cookie on subsequent requests. The 4.10 changes introduce a breaking change to the public HttpConnection API. See "Breaking Change: HttpConnection getResponseHeaderFields method removed" for more information. | | | |
| NCCB- 46700 | web | nCloudDriver prevents Ux Views when maintenance has expired | |
| In prior versions of INTEGRA, the UI fails to load if its associated module has as an internal error, expired license or if it's an incompatible version. UI views no longer fail to load during such conditions and all associated errors are now appropriately logged. | | | |
| NCCB- 33228 | webChart, webEditors | WebChart fails to load when encountering invalid units | |
| Unit which symbols no | In previous versions of INTEGRA, the WebChart failed to load when a point or history had a custom Unit which wasn't in the Unit.xml database. This issue has been corrected and custom unit.xml symbols now properly display on the bajaux PropertySheet of NumericWritables. As a workaround for previous version of INTEGRA, the unit.xml can be modified to include those missing units. | | |
| NCCB- 35863 | webChart | Exporting histories to a chart file does not relativize any points with histories | |
| In previous versions of INTEGRA, exporting chart files with relative ords contained therein would not correctly save the data. This issue has been fixed and exporting charts with relative ords now works correctly along with when saving chart files that contain n:history tags and points with history extensions. | | | |
| NCCB- 39494 | webChart | Boolean history does not plot the data left and right of first and last values in time range | |
| which left a This issue l | areas on the graph unfilled despite | did not load data before and after the range request, the presence of data beyond the specified range. /ill load in one record past and before the range to ilable. | |



| - 11 | NCCB- 39555 | Webl hart | Predefined chart displays can show incorrect time periods |
|------|----------------|-----------|---|
| - 17 | | | |

Multiple preexisting issues were resolved through this defect; When loading a predefined chart, if the Data Zoom or Time Zoom was active while switching time ranges, some of the data would not show up on the chart unless it was manually zoomed in. The ToolTip was not displaying when the sampling could not be turned off due to too many points being located therein. Axis that were previously locked would persist as unlocked regardless of user interaction.

| NCCB- 39692 | webChart | Webchart boolean History unable to change time period |
|----------------|----------|--|

In previous versions of INTEGRA, you could not add a query to the ord of a WebChart on a Px page. This issue has been fixed, and you can now successfully add a query to the ord such as time period.

| NCCB- 42900 webChart | WebChart csv export includes pre and post records |
|-------------------------|---|
|-------------------------|---|

When in data zoom view, the view will extend beyond the first or last data point when there is a record before or after the data on the graph. This provides a visual representation of the data trend, but when exporting the chart to csv, it would not include the data shown in that view. This issue has now been fixed, as csv chart exports now exclude pre and post records based on the targeted date range.

| NCCB- 27051 | webEditors, workbench | Numerics/NumericEditors in Workbench Bajaux views does not respect user locale Numeric Formatting |
|----------------|-----------------------|---|

Workbench bajaux Number editors did not respect workbench locale changes. This issue has been fixed and Numerics, along with Number editors in Workbench bajaUX views will now display based on the locale set.

| NCCB- 27850 | WADEDITORS | Intermittent error when changing INTEGRA IT-8000s slot of any point | | |
|--|------------|---|--|--|
| While viewing an HTML5 Property Sheet, when the INTEGRA IT-8000s of a slot changed simultaneously with the value of that slot, an error message was sometimes displayed requiring the page to be refreshed. This often occurred when editing the INTEGRA IT-8000s of a point that was constantly changing such as a Ramp or SineWave. This issue has been fixed accordingly and the intermittent error is no longer issued when changing INTEGRA IT-8000s slot of any point. | | | | |

| NCCB- | webEditors | HTML5 SlotChooser fails to load if either source or |
|-------|------------|---|
| 32983 | | target has no linkable slots |

In previous versions of INTEGRA, an exception was issued if no slots were available for linking when using "link-mark", "link-to" or "link-from". This issue has now been fixed and no longer throws an exception if no slots are available for linking.



| NCCB- | webEditors | Views that check the current user do not work if | | | | |
|--|---|---|--|--|--|--|
| 38344 | Webluitors | username has special characters | | | | |
| When logg | ed in via the HTML5 profile, as a u | ser with spINTEGRA IT-8000s or other special | | | | |
| characters in the username, certain editors would incorrectly display roles and permissions that | | | | | | |
| | | npting to edit these roles and permissions would still | | | | |
| | | a privilege escalation.) This has been corrected, so any | | | | |
| | - | bility to edit will be hidden or marked readonly. | | | | |
| | | | | | | |
| NCCB- | | HTML5 User Manager allows simultaneous editing of | | | | |
| 40849 | webEditors | Authenticators of incompatible types | | | | |
| When usin | g the HTML5 User Manager to edit | t multiple users at once, and those users do not all | | | | |
| share the s | same Authenticator type, then edit | ting of the Authenticator will be disabled for that | | | | |
| group of u | sers. Only individual users, or grou | ups of users with the same Authenticator type, will | | | | |
| | | TML5 Abstract Manager Framework has been updated | | | | |
| - | | an error from coalesceRows() or getConfigFor() will | | | | |
| - | neric "cannot edit" message, just t | | | | | |
| - | • • | Editors lexicon is now mgr.cannotEdit and applies to all | | | | |
| | ble MgrColumn instances, not just | | | | | |
| | | | | | | |
| NCCB- | | CircularGauge does not honor unitConversion point | | | | |
| 41530 | webEditors | INTEGRA IT-8000 | | | | |
| In INTEGR/ | A 4.8, the CircularGauge does not I | honor the unitConversion point INTEGRA IT-8000. This | | | | |
| issue has k | been fixed and the Circular Gauge | now presents the properly converted tick marks when | | | | |
| the unitCo | nversion point INTEGRA IT-8000 is | s used. | | | | |
| - | | | | | | |
| NCCB- | webEditors | feDialogs incorrectly validates non-root widgets | | | | |
| 43377 | webealtors | leblalogs incorrectly valuates non-root widgets | | | | |
| If addition | al Widget validations are located i | nside the main Widget, the OK button continues to | | | | |
| flash as en | abled even though it has been dis | abled, as the webEditor's feDialogs.js was incorrectly | | | | |
| validating | more than just the main widget. T | his issue has been corrected and the webEditor's | | | | |
| feDialogs. | is is now correctly validating more | than just the main widget. | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | |
| NCCB- | wohEditors workbasch | lyManager Table deer net use display names | | | | |
| 43462 | webEditors, workbench | UxManager Table does not use display names | | | | |
| HTML5 Ma | nager Views now match the behav | vior of the existing bajaUI Manager views and show | | | | |
| the display | y name of a component in the Nam | ne column. Both Managers continue to show the slot | | | | |
| name whe | n in edit mode. | | | | | |
| | | | | | | |
| NCCB- 2483 | workbench | Chinese Language characters are not supported in Workbench Console | | | | |
| | s versions of INTEGRA. Chinese La | nguage characters were not supported in the | | | | |
| - | Workbench Console. This issue has been fixed and the embedded workbench console now | | | | | |
| | | | | | | |
| supports showing UTF_8 characters like Chinese Letters. | | | | | | |



| Description Continued: Release Notes assigned to one or more modules | | | | |
|--|--|---|--|--|
| NCCB- 44501 | entsec | Adding a badge is not triggering replication | | |
| | ds 4.9.0.4 and earler had issue in re ed in the later builds. | eplicating the newly added badges to a person. This | | |
| | | | | |
| NCCB- 45317 | entsec | 4.9 Entsec Profile can fail to load page when custom navigation node includes special character | | |
| Special cha | racters will be escaped and unesca | aped in the cookies. | | |
| | | | | |
| NCCB- 45329 | entsec, entsecHx | Go to AlarmHistory then click Purge Config, you get an empty dialog. | | |
| The purge config dialog box on the Alarm History reports shows with the capacity in the alarm service | | | | |
| | | | | |
| NCCB- 45331 | entsecHx | On the dialog on Personnel Changes, the "Target" filter has bad lexicon keys | | |
| Target lexicons in the Additional personnel filter can be localized | | | | |
| | | | | |
| NCCB- 41217 | webEditors | HTML5 Property Sheet leaks memory during navigation | | |
| When navig | gating from one HTML5 Property S | heet to another, the instance of the previous | | |
| Property Sheet could hang in memory, causing a memory leak over time. This has been resolved, so Property Sheet instances are cleared from memory after navigation. | | | | |