

# INTEGRA 4.13

## Summary

Niagara 4.13 brings exciting new features that continue to evolve Niagara's key tenets of visualization, rapid deployment, security, Edge, connectivity, certification, and IT compliance.

## Features

ABB HVAC Building Automation is pleased to announce the general availability of Niagara Framework® 4.13 for the ABB Cylon® INTEGRA IT-8000 Controller. This update to our software is designed to promote customer success in smart building and IoT deployments. From the largest enterprise customers to small single-site building owners, Niagara 4 is designed to enable end-users to directly access, analyze and act on a wide range of operational data in an easy, customized, and secure way.

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- Multi-Tiered System DB
- HTML5 Niagara Network Station Manager View
- Certificate Manager Enhancements and HTML5 View
- Subscription Licensing
- Containerized Niagara
- Haystack 4 Support
- Modern Authentication Support for Email Service
- Edge Tools Updates
- Template Improvements
- Enhanced Installer
- SysLog Integration
- Certificate Signing Service
- Updated OS and Enterprise Applications

Documentation and software upgrades are available for Niagara 4.13 for ABB Cylon® INTEGRA IT-8000 are available in the ABB Library.

### RELEASE NOTES:

Issue Key	Module	Release Notes
NCCB-29232	alarm	Prior to this fix, when there were many open alarms and the Alarm Service capacity was changed, refreshing the UX alarm console would result in exception messages in the station log. These messages are no longer logged under the same conditions.
NCCB-29893	alarm, alarmOrion	The HTML5 Alarm Console view was loading much slower than the AX Alarm Console view when using the OrionAlarmService for many open alarms. Sometimes the view could even timeout waiting for results to load. After this fix, the HTML5 Alarm Console view's loading performance should be like the AX Alarm Console view for the same number of open alarms sourced from the OrionAlarmService.

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NCCB-56434	alarm	UxMedia BoundTables to bql results for an AlarmClass or ConsoleRecipient type would fail to load any results. This has been corrected.
NCCB-56619	alarm	Previously, some timestamps from BACnet alarms written to the alarm database could not be read back correctly. This has been corrected.
NCCB-58291	alarm	Under certain conditions in the past, an alarm record's 'Normal Time' would not be properly updated (and incorrectly left at Null) even when the source state had returned to normal. For example, this incorrect 'Normal Time' could occur after the source state had transitioned from Fault, to Offnormal, to Normal, to Offnormal, and then back to Normal. This defect has now been fixed, so that the alarm record's 'Normal Time' should be properly updated under such conditions.
NCCB-60425	alarm	When connected to a station using Workbench, if an ArchiveAlarmProvider is not present in a station's Alarm Service, an excessive number of synchronous Fox messages would be sent to the station to check for the presence of an ArchiveAlarmProvider, resulting in frequent performance degradation of Workbench. With this fix, the conditions under which a station will be queried for the presence of an ArchiveAlarmProvider have been narrowed, resulting in fewer Fox messages being sent and improved Workbench performance.
NCCB-61106	alarm	Prior to this fix, the Time Range specified for Alarm queries in Database Maintenance was not being honored, causing all queries to fall back to specifying the 'Default' time range. Alarm queries for a given time range now return only those alarm records for the given time range.
NCCB-57528	analytics	Corrected an issue where the Analytics Engine reported an Out of Memory error when the number of points exceeded 65,000.
NCCB-58150	analytics	Analytics Report permissions notes for reports is displayed in error div based on the user permissions
NCCB-40872	BACnet	Previously, the name of the history associated with a BACnet trend log extension was configured to "stationName_handleOrd" regardless of the value in the HistoryName property. The name of the history will now be derived from the BFormat value in the HistoryName property just like other history extensions. The unused HistoryNameFormat property has been hidden as it is on the history:HistoryExt type.
NCCB-53831	BACnet	The SubscribeCOVProperty service was added in BACnet protocol revision 2. A previous fix accounted for the protocol revision when adding a discovered device. However, some devices at or above protocol revision 2 do not send the subscribe-cov-property bit of the Device object's Protocol_Services_Supported property. This would prevent adding those discovered devices. Now, in addition to the protocol revision check, the presence of this bit is also checked. If the bit is missing, it is assumed that the SubscribeCOVProperty service is not supported.
NCCB-55970	BACnet	Previously, for discovered BACnet points that represent INTEGER type properties, the Enum Point icon would be displayed in the discovery pane and only enum and boolean point types would be available when adding the discovered point. Now, the Numeric Point icon is displayed, and numeric point types are also available.
NCCB-56198	BACnet webEditors	When you changed the Type for the Add Command in a ux Point Manager, it would ignore the preferred Discovery Name and change the name to the Type's displayName. This has been corrected, any preferred Discovery Name will not be modified during a Type change.
NCCB-56227	BACnet	Previously, a value of 4194303 (the unconfigured instance number) would be rejected as out of range when written to the notification class property of an event enrollment object. Now, that value is accepted and causes the associated alarm source ext's alarm class to be set to an empty string. No events from the event enrollment object will be visible through BACnet when the notification class is set to 4194303.

## Customer Impact

Customers affected by any of the issues listed above should update as soon as practical.