



Niagara 4.6

Features overview

Release summary

Coupled with Niagara Edge and portability, Niagara 4.6 brings exciting new efficiencies to BAS deployment. This release modernizes the framework and provides ways for users to save time, effort and money during system installations through:

- Access to a System DB spanning the entire Niagara system
- Visualization enhancements, such as mobile refresh for PX views now offering dynamic response
- Tools including bulk tagging and templating that reduce repetitive integration tasks and simplify consistent taxonomy in conformance with Brick, Haystack and other industry standards

Additional Niagara 4.6 benefits include:

- FIPS 140-2 Level 1 conformance
- SMA reminders will create awareness with end users, encouraging them to reach out to the SI for updates

Notable features of Niagara 4.6

Feature	Benefit	Notes
System DB	<p>Allows a Niagara Supervisor to periodically poll (index) each JACE® in the network for common entity data</p> <ul style="list-style-type: none">▪ Today, the SI has to integrate JACEs into the Supervisor after they have already integrated devices into the JACE. This step is labor intensive and repetitive. With System DB, users can access networks, devices, points, schedules and any other component (and their PX graphics) that span across their entire Niagara system, simply by accessing the Supervisor.	<p>For information on how to configure system and performance guidance, check out Niagara System Database & System Indexing technical document in the Tridium Resource Center:</p> <p>https://docs.tridium.com/bundle/SystemDbGuide/page/AboutThisGuide_SystemDb.html (Niagara Community log in required)</p>
Mobile refresh	<p>Allows existing PX views to adapt to multiple screen/resolution sizes</p> <ul style="list-style-type: none">▪ Today, SIs build multiple views for each screen size used by the customer/end user. This work is repetitive and wasteful. Now, the SI can design views in the system once and apply unique traits based on the screen size.	<p>https://docs.tridium.com/bundle/GraphicsGuide/page/WhatsNewInGraphicsGraphicsN4-8A168B42.html</p> <p>https://docs.tridium.com/bundle/GraphicsGuide/page/HTML5HxProfileGraphicsN4-777D3747.html#HTML5HxProfileGraphicsN4-777D3747</p> <p>https://docs.tridium.com/bundle/GraphicsGuide/page/pxEditor-ResponsiveMigration.html</p>

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Template provisioning	Quickly build a JACE from scratch utilizing templates and Excel spreadsheets for associated configuration values. SIs can build a stock set of templates, such as devices and schedules, and easily deploy them with configuration specific to a site.	https://docs.tridium.com/bundle/TemplatesGuide/page/TemplateBulkDeployment-7D0DBE85.html
Certificate management	Allows SIs to configure and manage security configuration across multiple Niagara devices using provisioning from a Supervisor. Instead of logging into each device, an SI can generate certificates, sign and import signed certificates, set/reset platform credentials and system passphrase from a Supervisor.	https://docs.tridium.com/bundle/ProvisioningGuide/page/ProvisioningAJobToInstallACertifica-10F4EB63.html

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Feature	Benefit	Notes
SMA reminder	Login screen will now show SMA status <ul style="list-style-type: none">Users will now see when their system's maintenance is about to expire	This feature can be configured On/Off in the User Service via the Property Sheet.
FIPS 140-2 (Level 1 Conformance)	Federal standard for approved cryptographic modules <ul style="list-style-type: none">This standard is required to bid jobs related to government infrastructure and other mission-critical industries (such as banking)	<ul style="list-style-type: none">JACE Part # SP-FIPSSupervisor Part # SP-S-FIPS Link to Niagara FIPS 140-2 guide: https://docs.tridium.com/bundle/FIPsGuide/page/FIPS1402-51D87C8C.html (Niagara Community log in required)

FIPS ordering information for Niagara 4.6

FIPS 140-2 is a U.S. federal standard for approved cryptographic modules. New for Niagara 4.6, the parts below can be ordered for a JACE or Supervisor to enable FIPS 140-2 Level 1 conformance.

Part number	Description
SP-FIPS	Provides FIPS 140-2 Level 1 conformance using the integrated BouncyCastle-certified module for JACE 8000. Compatible with Niagara version 4.6 and later.
SP-S-FIPS	Provides FIPS 140-2 Level 1 conformance using the integrated BouncyCastle-certified module for an N4 Supervisor. Compatible with Niagara version 4.6 and later.