



KEY FEATURES

- Quad core iMX8M+ CPU
- Double the amount of RAM
- 4X the amount of storage
- Ubuntu Core 20 operating system
- · Wireless and Non-Wireless model
- Refreshed branding clip
- Easy drop-in replacement/upgrade to JACE-8000
- Supports all existing expansion modules (+remote IO)
- All connectors in same location and same orientation

ROADMAP OBJECTIVES

- Remote device management
- Edge computing platform
- Mobile management UI
- Machine learning capabilities (NPU)

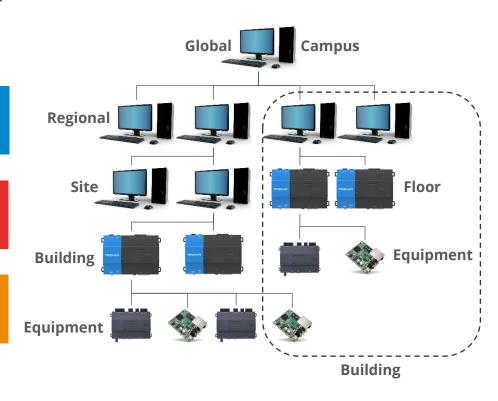


DEPLOYMENT EASE /FLEXIBILITY



MULTI-TIERED SYSTEM DB

- Niagara System Architecture Flexes to Any Layout
- Query Entire Niagara System From A Single Database Location
- Expedite UI Configuration Through Hierarchies and Virtual Px Views







Expanded the functionality and benefits of Niagara's System Database and Indexing to support vast architecture layouts with:

Reachable Stations Multi-tiered Indexing

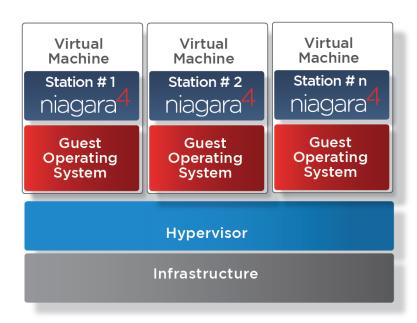
Multi-tiered Virtual Px

Niagara's System Database and Indexing establishes an entity data model to enable querying of the entire Niagara system from a single location

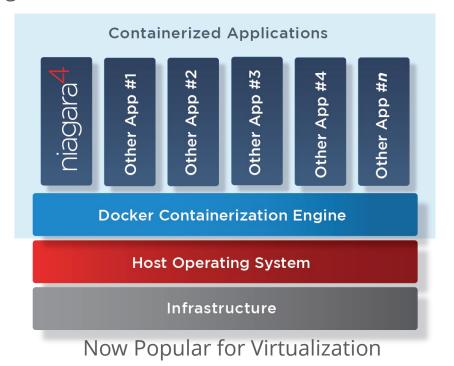
Design more intuitively. Design more efficiently!

CONTAINERIZED NIAGARA

Containers are less resource intensive and more portable than Virtual Machines. Can ease development, deployment and upgrades.



Formerly Popular for Virtualization





CONTAINERIZED NIAGARA

Subscription can be purchased for:

ON PREM

Supervisor deployment on a server device housed locally

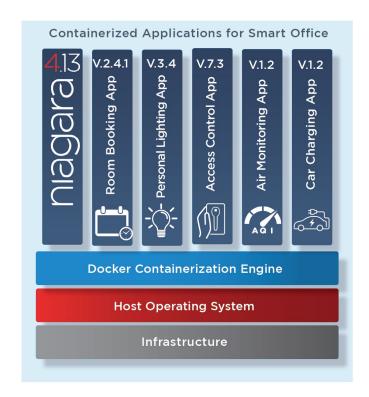
CLOUD

Supervisor deployment in a cloud service

PORTABLE

Embedded deployment whereby a Niagara development partner deploys Niagara containers on its own proprietary or a third-party commercial device or server – 'Containerized Portable Niagara' or CPN

NOTE: A subscription Niagara instance will perform a system exit — that is, it will stop working — if subscription renewal is not paid.

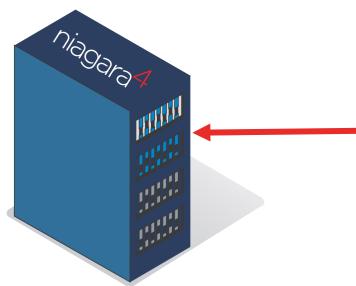


Example deployment of Containerized Niagara on a partner-built mobile hub.



SUBSCRIPTION LICENSING

SaaS Subscriptions: Purchased using OPex rather than CAPex



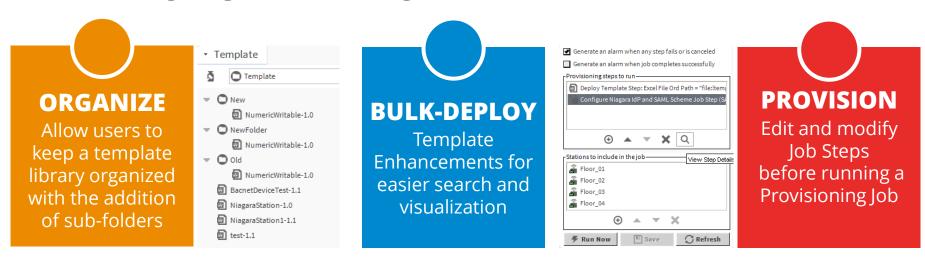
NOTE: A subscription Niagara instance will perform a system exit—that is, it will stop working—if subscription renewal is not paid.





EDGE TEMPLATE AND DEPLOYMENT TOOLS UPGRADES

Reducing time spent installing, commissioning and configuring multiple Niagara devices using Niagara Provisioning



Key enhancements for NIAGARA-at-the-EDGE deployments!

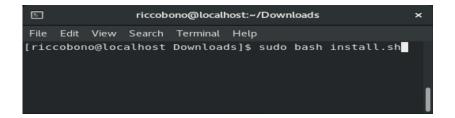


SILENT INSTALL



UNATTENDED INSTALLER

Enabling *Silent Install* allows for automated installation of Niagara Framework via programming. This streamlines PC maintenance, automated testing, and bundling installations with additional applications.



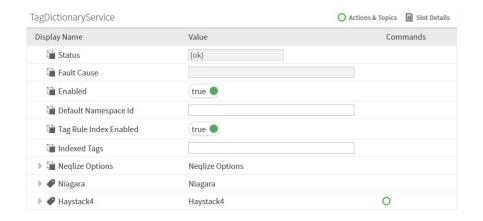
- Run a Niagara installer for Windows or Linux without the need for user input
- New properties file constructs installation choices prior to execution via the command line

NIAGARA 4.13 INDUSTRY COMPLIANCE



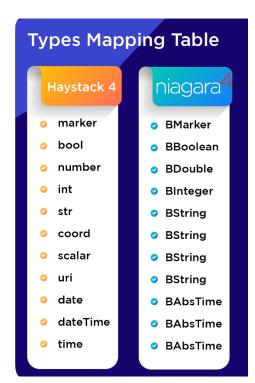
HAYSTACK 4 SUPPORT

Haystack 4 encompasses a taxonomy and an ontology. Evolved to capture machine-readable relationships of things along with their contextual data



HAYSTACK DICTIONARY

Aligns Niagara Tagging with the latest Haystack Tag Dictionary. Updatable in-place and without a module update from Tridium.



EASY MIGRATION

Haystack 4 items equivalent to the Haystack 3 versions are added during migration action.





Meet IT System Administrator requirements for proper audit logging, monitoring, and detection

| Display Name | Value | |
|------------------------------|------------------------|-----------------|
| Platform Service Description | Syslog | |
| Enabled | false | |
| Transport Protocol | Tcp ∨ | |
| Server Host | localhost | |
| Server Port | 1514 | [1 - 65535] |
| Message Type | Bsd ∨ | |
| Client Alias | syslog | |
| Platform Log Enabled | true | |
| Tation Log Enabled | true | |
| Workbench Log Enabled | true | |
| Station Audit Enabled | true | |
| Security Audit Enabled | true | |
| Facility | Local0 ~ | |
| Queue Size | 1000 | |
| Log Level | Info ~ | |
| Station Server Status | {down} | |
| Queue Full Percent Station | 0.00 | [0.00 - 100.00] |
| Niagarad Server Status | {down} | |
| Queue Full Percent Niagarad | 0.00 | [0.00 - 100.00] |
| | Platform Alarm Support | |

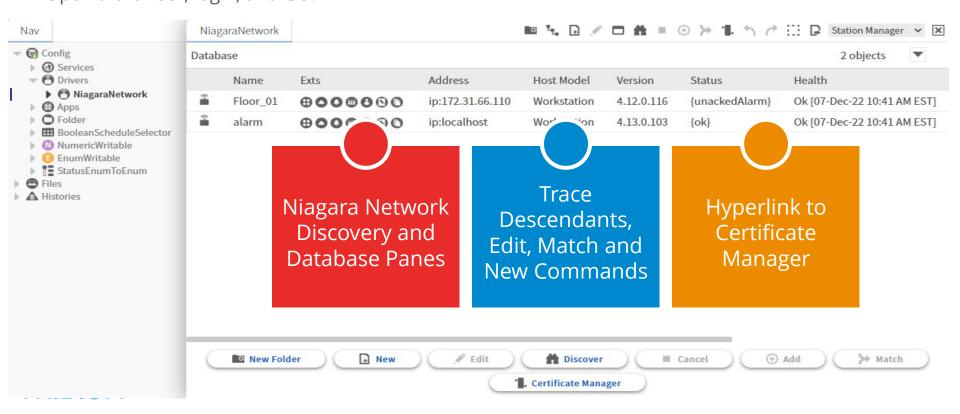




HTML5 NIAGARA NETWORK STATION MANAGER VIEW

Eliminating a dependency on workbench removes logistical burdens and eliminates the 'module-and-version-dependency' guessing game.

Open a browser, login, and GO!

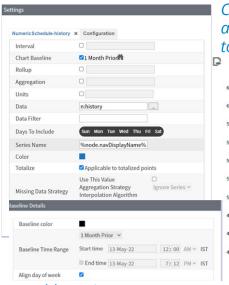


NIAGARA ANALYTICS

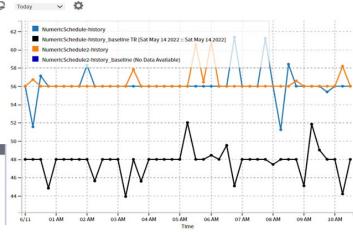
Make data-driven decisions by visualizing collected data on an Analytics Web Chart with an established baseline

EASE-OF-USE Upgrades

HARDENING Measures



Customize a web chart or dashboard by adding an additional time series to represent a baseline to a dataset



Configurable settings such as: node color, time-period, baseline time range, and align day of the week

Updated documentation across the product to enable easier application design

Large collection of general hardening improvements & defect clean-up







AUTHENTICATION VIA EMAIL

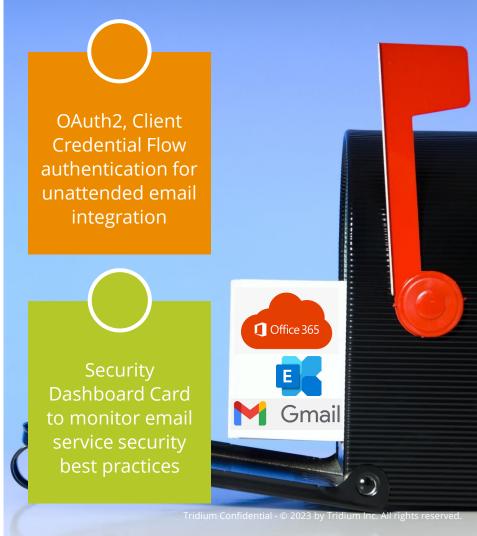
Maintain security posture using preferred authentication by major email providers: Microsoft (365/Exchange) and Gmail



Used to send out reports, charts and alarms from a station through the smtp transport



Used to receive alarm acknowledgements to a station through the pop3 or imap transport



VIDEO DRIVER FRAMEWORK

Improved how video live streams from industry standard cameras are integrated into Niagara.

HTML5 browser viewing enabled

- Video can now display via Real Time
 Streaming Protocol (RTSP)
- Pan, Tilt, Zoom (PTZ) camera functions





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ENTERPRISE SECURITY UPDATES

Optimized and streamlined the process of adding a new user to this Niagara-native physical security application

- JOIN Process: Auto-Grouping; Auto-filling of Parameters; Optimized User Sync Manager
- REPLICATION Process: Enhanced logging; job summary now displays
- More feedback to the user when checking status of workflow and debugging









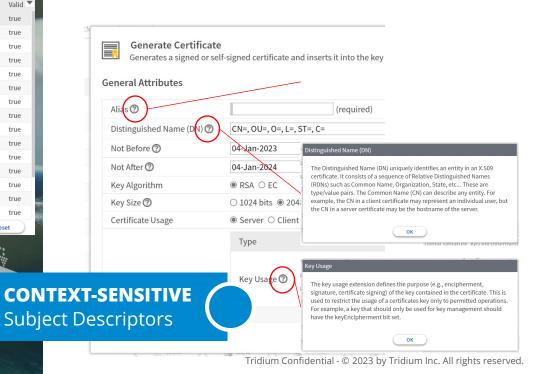
CYBER DEFENSE

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the state of the s Certificate Management V CertManagerService Certificate Management for "localhost" User Key Store System Trust Store **User Trust Store** Allowed Hosts Not After Key Size Valid * Alias Subject Kev Algorithm 15-Nov-2024 9:16 AM EST RSA 2048 newtest newtest true sp privatekeyandcert 16-Aug-2023 11:42 AM EDT RSA 2048 true Product Management Code Signing 06-Oct-2024 1:16 PM EDT RSA 2048 true client 30-Nov-2023 9:37 PM EST RSA 2048 true iamaca 30-Nov-2023 4:32 PM EST RSA 2048 iamaca true iace8Cert 03-Oct-2025 9:10 AM EDT RSA 2048 iace8cert true testingopo chris 15-Nov-2023 10:57 AM EST RSA 2048 true aliasca commonname 20-May-2023 4:03 PM EDT RSA 2048 true riccobono 31-Oct-2024 5:57 AM EDT RSA 2048 true iamaclient 30-Nov-2023 4:31 PM EST **RSA** 2048 iamaclient true **Product Management CA** 06-May-2025 9:09 AM EDT RSA 2048 true iamaserverux iamaserverux 30-Nov-2023 4:35 PM EST RSA 2048 true edge10Cert 03-Oct-2025 9:12 AM EDT RSA 2048 edge10cert true Niagara4 13-Nov-2024 11:47 AM EST RSA 2048 tridium true default Niagara4 28-Sep-2023 1:51 PM EDT RSA 2048 true Cert Request Import Export X Reset

CERTIFICATE MANAGEMENT SIMPLIFIED

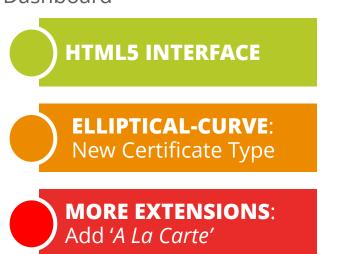
Browser (HTML5 View) access without need for Workbench; useful to IT network admin persona

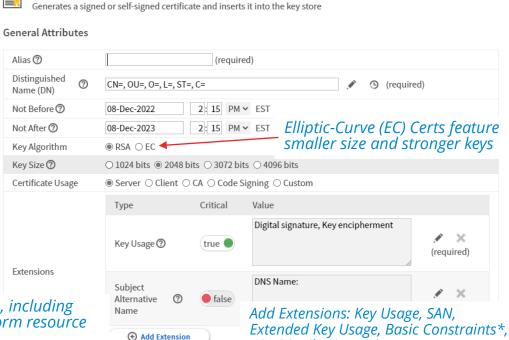


CERTIFICATE MANAGEMENT & HTML5 VIEW

Enhanced UI aids in the setup & configuration of certificates; similar to Security Dashboard

Generate Certificate





SAN: Supports a variety of identity types, including email, DNS name, directory name, uniform resource identifier (URI), IP address, registered ID



CRI Distribution Points

UPDATED OS & ENTERPRISE APPLICATIONS

Support Added for:

RHEL v9

Ubuntu 22.04 Windows Server 2022

VMWare ESXI v7





