

niagara⁴

open 4 innovation

Niagara 4 builds on the legacy of the Niagara Framework® in new and exciting ways. It's less reliant on browser plug-ins, faster and easier to use. End users can now directly access, analyze and act on a wide range of operational data as a result of several innovative changes.

AN ALL-NEW USER INTERFACE

Niagara 4 features a bold and intuitive new interface. Modern and easy to use, the platform utilizes HTML5 to provide an array of rich features.

MORE DATA AT YOUR FINGERTIPS

With a simple point-and-click or drag-and-drop, users can instantly find and display critical information from their desktop, tablet or mobile device.

EASIER INTEGRATION

Niagara 4's new templating feature enables tags to be applied to devices quickly, and allows applications to be prebuilt against a set of standardized templates which then can be quickly created and reused. In other words, once a template is made, it can be redeployed as often as needed in other instances.

POWERFUL SECURITY

Niagara 4 takes a "defense-in-depth" approach to Internet of Things security. Building on the security of previous Niagara versions, Niagara 4 is secure by default. Authentication requires users to choose strong credentials, and both data in motion and sensitive data at rest are encrypted. Niagara 4 also uses Role-Based Access Control (RBAC), making user permissions easy to configure and less error-prone. Niagara 4 also can be integrated with existing enterprise identity and access management systems, such as LDAP and Kerberos. All user actions and security-related events are recorded in Niagara's audit log for traceability.

FASTER, MORE POWERFUL DEVELOPMENT

Developers will find improved documentation, a rich open API library, BajaScript 2.0, semantic data modeling via tags and other ready-made tools to greatly speed and support development. Anyone familiar with open Web development can now create a custom UI in Niagara.

CLEAR TRANSITION FROM NIAGARA AX TO NIAGARA 4

Niagara 4 and the new JACE® 8000 controller have been engineered to be easy to add to, or upgrade from, your current Niagara-based systems.

Niagara 4 is less reliant on browser plug-ins, featuring an intuitive HTML5 interface



Niagara 4

features and advantages

AN ADVANCED, MODERN USER INTERFACE—INTUITIVE AND CUSTOMIZABLE

- New UX framework with HTML5 provides rich UI features
- Common design language for a unified experience between desktop, tablet and mobile
- Intuitive charting, alarm console, scheduler, navigation tree and property sheets
- BajaScript 2.0 makes it easier to develop custom UI
- Optimized workflows for common tasks—fewer clicks, more intuitive interaction
- No need to update a navigation file every time a new device is added to system

MORE DATA AT YOUR FINGERTIPS TO FIND, VISUALIZE AND TAKE CONTROL OF YOUR OPERATIONS

- Access data quickly with Niagara Search using tags
- Drag-and-drop customizable charting for fast information visualization
- Feature-rich charts make comparing data easier
- Customizable dashboards and data cleansing for accuracy and precision

POWERFUL SECURITY

- “Defense-in-depth” approach
- Secure by default
- Users required to choose strong credentials
- Encryption of data in motion and sensitive data at rest
- Role-Based Access Control (RBAC) for less error-prone and easy-to-configure user permissions
- Can be integrated with existing systems, such as LDAP and Kerberos
- Audit log of all user actions and security-related events for traceability

FASTER, MORE POWERFUL DEVELOPMENT AND SUPPORT

- Rich set of public APIs
- Improved documentation with code examples
- Semantic data modeling—developers can build applications directly compatible with Niagara
- New UX framework is easy for Web developers to extend

EASIER INTEGRATION AND DEVICE MANAGEMENT

- Device templating for easy reuse
- Templating allows Niagara to apply tags to devices automatically
- Applications can be prebuilt against standardized templates

To learn more about how to purchase, install and start using Niagara 4, contact your VYKON partner. The global community of certified Niagara professionals can serve your unique business needs across any industry or geographic region.



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