



Niagara 4.15 Features

The following features of Niagara 4.15 are available for testing:

- **New HTML5 Views** – Engineer Niagara Stations through a web browser client and save time; eliminate client module or brand dependencies; become client-version agnostic; and connect immediately and safely over IT-friendly https. 4.15 brings two new HTML Views:
 - UX Builder – Create and edit Px graphics from the comfort of your own office using the HTML5 UxBUILDER alongside Niagara Remote.
 - Relationship Manager – View, edit, and remove relations, tags, and links on Niagara Station components.
- **Fox over Websockets** – Establish station-to-station and Workbench-to-station connections using port 443 when IT is not able to expose port 4911 on a network.
- **Common Access Card Authentication for the Browser** – Utilize your smart ID card for authenticating users to a Niagara Station through the browser.
- **JACE-9000 WiFi**: Customers will soon be able to order WiFi-enabled JACE 9000 units for those projects that require Wi-Fi connectivity.
- **BACnet Revision 18** - Update to the BACnet stack to conform with the requirements in Protocol Revision 18.
- **New KitControl Elementary Blocks** – In preparation for ASHRAE 231, which is in public review, new KitControl objects have been added to support the future Control Description Language (CDL) Elementary Blocks.
 - Nand
 - ArcTangent2
 - Nor
 - Derivative
 - Limiter
 - Hysteresis
 - Line
- **Case Insensitive Usernames for LDAP** – By enabling case insensitivity for usernames when using LDAP for user authentication and creation, duplicate users will no longer be created when a user enters their username with differing cases. This also fulfills the requirement for FDA CFR 21 Part 11 unique usernames.



- **Modbus Driver Enhancements:**
 - Added support for pinging Modbus devices using more than 2 registers.
 - You can now ping up to Modbus 4 registers at a time which will support data types in the latest meters.
 - Support for a 48-bit unsigned long data type was added and factored.
- **OPC-UA Driver Enhancements:**
 - Added bi-directional point types for OPC UA Server enabling actions on server points
 - One point manages both incoming and outgoing data values (i.e bi-directional)
 - There are now actions provided to perform functions (i.e Auto, Set, Reset, Emergency Auto) on any point like a Niagara control point
 - Enhancements to support OPC UA Client Arrays in a nested structure when discovering OPC points
- **SNMP Driver Enhancements:**
 - Ability to configure an export type for SNMP export folders.
 - For example, if the user exports as the integer type, the backing SNMP type will also be an integer.
 - An "Index Value" column has been added to the SNMP table view. This includes displaying both the OID representation of a row as well as the index of the row in the order of other rows in the table.
- **Enterprise Security: Badge Printing** – We removed the HID Asure ID Badge printing application and in doing so have created the ability to Print Badges via the web browser with 4.15. You will need to create a Windows Printer for the badge printer that you have, and then the web application will print the badge via the browser.
- **Enterprise Security: Z9 Open** Flex Server- 4.15 will support the Z9 Flex Server. Z9 Open is the industry's fastest-growing open-architecture access-control ecosystem, connecting a wide variety of hardware and software from multiple vendors, creating an unprecedented level of interoperability.



Niagara 4.15 Breaking Changes

- [Breaking Change: Niagara Mobile Profile Removal](#)
- [Breaking Change: HxOp cookie convenience methods removed in 4.15](#)
- [Breaking Change: jQueryContextMenu CSS rule changes for Niagara supplied themes](#)
- [Breaking Change: d3.js major version upgrade v7.9.0+](#)