

Niagara Integration

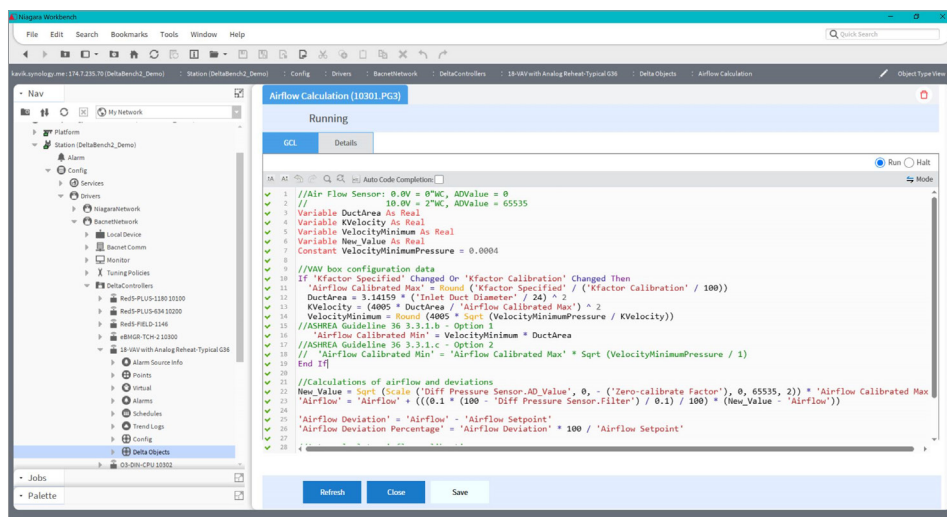
N4-DeltaBench Module 2.0

Description

N4-DeltaBench 2.0 is an add-on module for Niagara stations that provides a configuration and programming toolset for Delta Controls controllers running version 4 firmware.

Delta Controls controllers are native BACnet devices, so they have a high degree of integration within Niagara for day-to-day operation using just the standard N4 BACnet drivers.

With N4-DeltaBench, the standard N4 BACnet drivers are extended to include access to Delta Controls proprietary object types and properties. This allows Delta Controls controllers to be programmed and configured directly within Niagara.



Application

Use N4-DeltaBench anywhere you have Delta Controls controllers integrated under a Niagara station to increase remote access serviceability, meet specifications that require programming capabilities within Niagara, and provide power users with improved integration within Niagara.

Features

- ▶ Manage standard BACnet and Delta Controls proprietary object types
- ▶ View and edit GCL+ controller programs
- ▶ Configure bulk data exchange
- ▶ Save and load databases for backup/restore purposes
- ▶ Tune and troubleshoot control loops

Specifications

Client Browser

Google Chrome 80+
Microsoft Edge 80+
Mozilla Firefox 73+
Apple Safari 13+

Supported Products

Niagara version 4.14 JACE® devices or PC-based Niagara stations using Tridium's standard BACnet or BACnetAWS drivers

Delta Controls controllers with version 4.18 firmware

Supported Device Services

Database backup and restore
Object create and delete
Device reset
Activate network changes
Time synchronization

Supported Object Types

I/O & Variables
AI, BI, AO, BO, AV, BV, MV

Scaling & State Text Configuration
AIC, AOC, BDC, MIC

Programming & Feedback Control
PG, CO

Device & Networking
DEV, NP

Data Exchange Optimization
DES, DER, DEW, DEL, BDE

Status & Troubleshooting
DBI, SEL, IOM

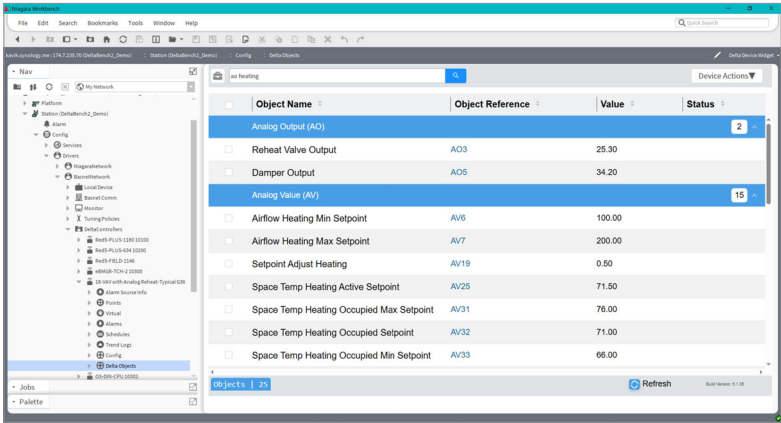
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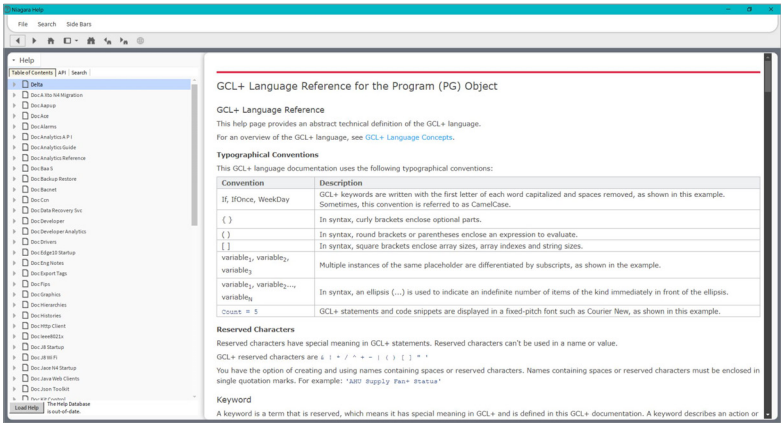
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- ▶ **Delta Object Navigator.** Provides list of controller objects with summary information and filtering. Clicking an object opens its details page, where you can perform typical programming or service-level tasks, such as network provisioning, I/O configuration and commissioning, program editing, control loop tuning, and general troubleshooting.



- ▶ **Delta Help Files.** Provides reference information on each object view, including a complete reference guide to the GCL+ programming language and editor.



Ordering

N4-DeltaBench is included by default on all Delta Controls-branded Niagara 4 licenses for both Supervisor/Workbench software and JACE devices. It is also available as an add-on option for third-party-branded Niagara products using the part numbers below.

345920	N4-DeltaBench-25	N4-DeltaBench for third-party Niagara stations licensed for up to 25 Delta Controls controllers
345921	N4-DeltaBench-UNL	N4-DeltaBench for third-party Niagara stations licensed for an unlimited number of Delta Controls controllers
345922	N4-DeltaBench-UP-UNL	Upgrade a N4-DeltaBench-25 to unlimited

Subject to change without notice.