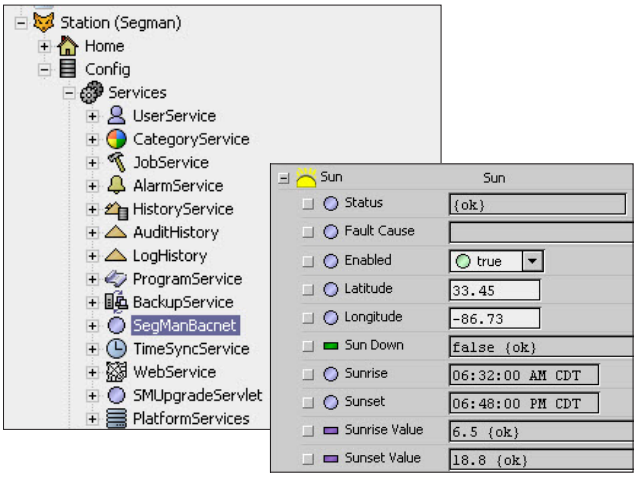
NIAGARA AX DRIVER MODULE

LMAX-100

Free driver streamlines integration between Digital Lighting Management & Niagara AX framework

Access to additional non-BACnet parameters



Maps DLM points into a Niagara AX station

Automatic discovery of DLM rooms, including BACnet objects

Built-in sunrise/sunset astronomic output schedules – no weather service required

Description

The Niagara AX driver module for Digital Lighting Managment (DLM) streamlines BACnet device and point discovery for Niagara integrators. The driver is a standard Niagara AX .JAR file, named "segmentmanager.jar", that is compatible with any Niagara AX station v3.4 or later. It supports both BACnet IP and BACnet MS/TP LANs. The driver includes product-specific icons to represent DLM lighting controls in the object tree.

Operation

The DLM driver module must be installed in the JACE that is connected over BACnet to DLM-controlled rooms, via LMBC-300 network bridge modules. The driver module is installed in the station as a service called"SegManBacnet". Once installed, actions specific to DLM products are available for the service.

Auto-discovery of DLM Rooms

The "Discover Devices" action initiates automatic discovery of all DLM rooms on any supported BACnet networks accessible to the Niagara controller. After the rooms are added to the BACnet device database, the BACnet objects for each DLM room are also discovered automatically, and added to each device's points database. This saves considerable time compared to manual discovery of devices and integration points.

Applications

The Niagara AX driver is the ideal solution for any DLM network project with a 3rd party JACE. Adding a network to a DLM room that is already operating with a code-compliant sequence of operations provides additional functionality. Options include power monitoring of both lighting and plug load controllers, following the occupancy sensor detection state for selected rooms, and remote configuration of parameters including sensitivity and time delay. DLM sequences of operation can also be modified via a schedule, so that sensor and load operation change after hours to save more energy.

Features

- Free driver speeds integration of Digital Lighting Managment (DLM) lighting controls
- Standard Niagara AX .JAR file
- Supports BACnet IP and BACnet MS/TP networks
- Sun function adds astronomical functionality to the Niagara station

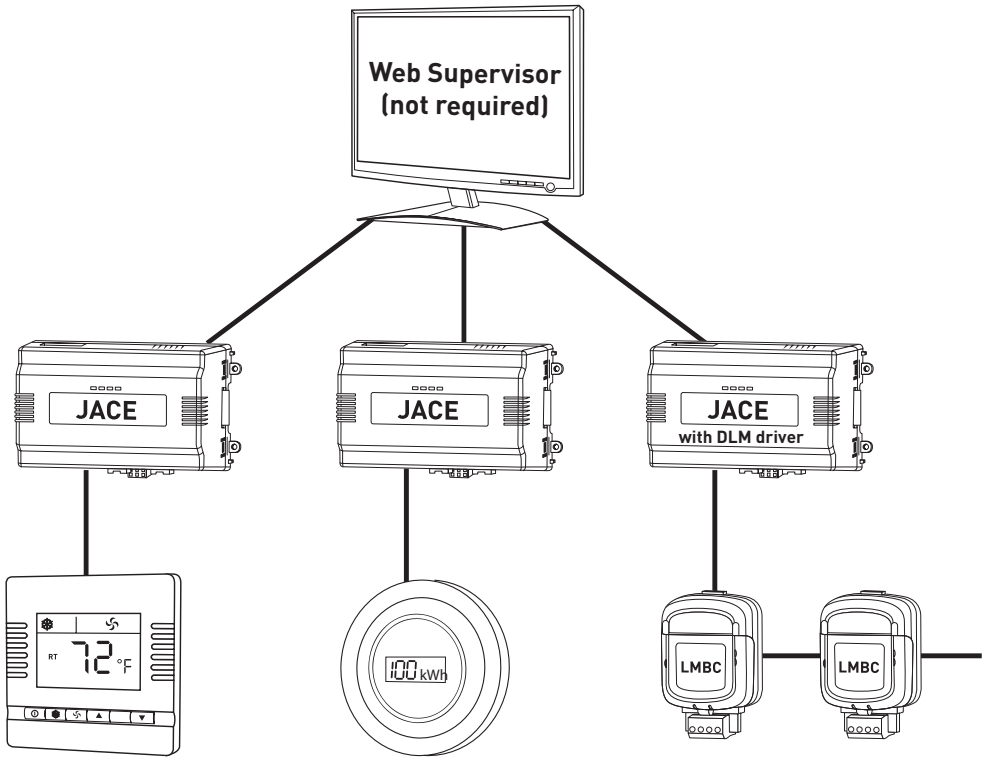
PROJECT		LOCATION/ TYPE	

Specifications

- Field tested with Niagara AX v3.4, 3.5 and 3.6. Validation with 3.7 pending.
- Requires bacnet.jar 3.4.64, or later
- Installed as a service in Niagara station
- Distributed as standard Niagara AX .JAR file
- Requires valid BACnet client license for each applicable BACnet LAN (e.g. MS/TP or IP)
- Installed on JACE® controller; not Web Supervisor
- Service name is SegManBacnet

Connections to DLM System

Niagara AX Driver Installed in JACE Connected to DLM controls



Install the Niagara AX driver in the JACE connected over BACnet to the LMBC-300 network bridge modules. Each LMBC-300 module inventories its DLM room, and creates a BACnet device object list for the room.

Download and Installation

To download the LMAX-100 Niagara AX Driver Module and for more information on installing the SegMan BacNet service: http://www.legrand.us/wattstopper/digital-lighting-management/network-components/dlm-niagara-ax-driver.aspx.

VIDEO: Integrating DLM into Tridium Niagara based building automation systems.

Scan code with your smartphone or tablet to view video:

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