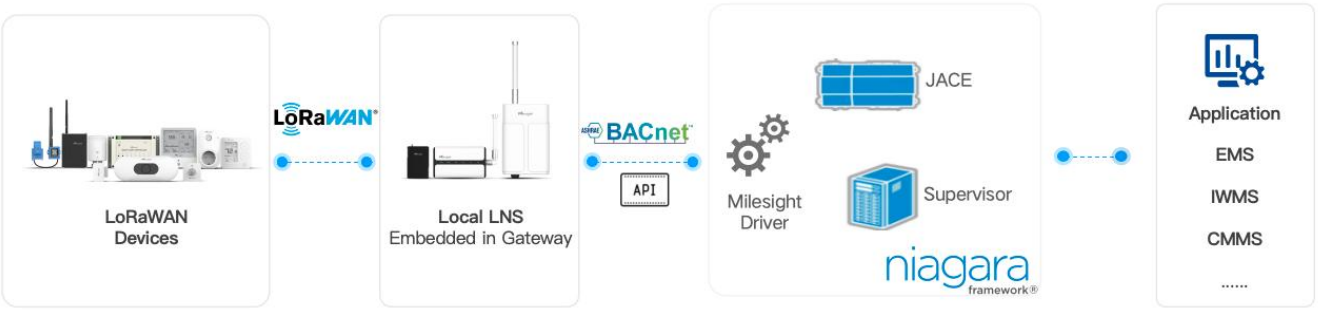
Milesight BACnet Driver

For Niagara Framework

◆ Introduction

Milesight BACnet Driver for the Niagara Framework is a comprehensive integration tool that combines Milesight gateways' HTTP RESTful API with the BACnet protocol to enable streamlined management and configuration of Milesight end devices. Designed to optimize the convergence of LoRaWAN® networks with Niagara ecosystems, this solution empowers Niagara-proficient engineers to rapidly implement system integrations. It effectively bridges LoRaWAN® node data acquisition with Building Management Systems (BMS), facilitating seamless interoperability while maintaining native Niagara operational paradigms for accelerated deployment cycles.

◆ Application Example



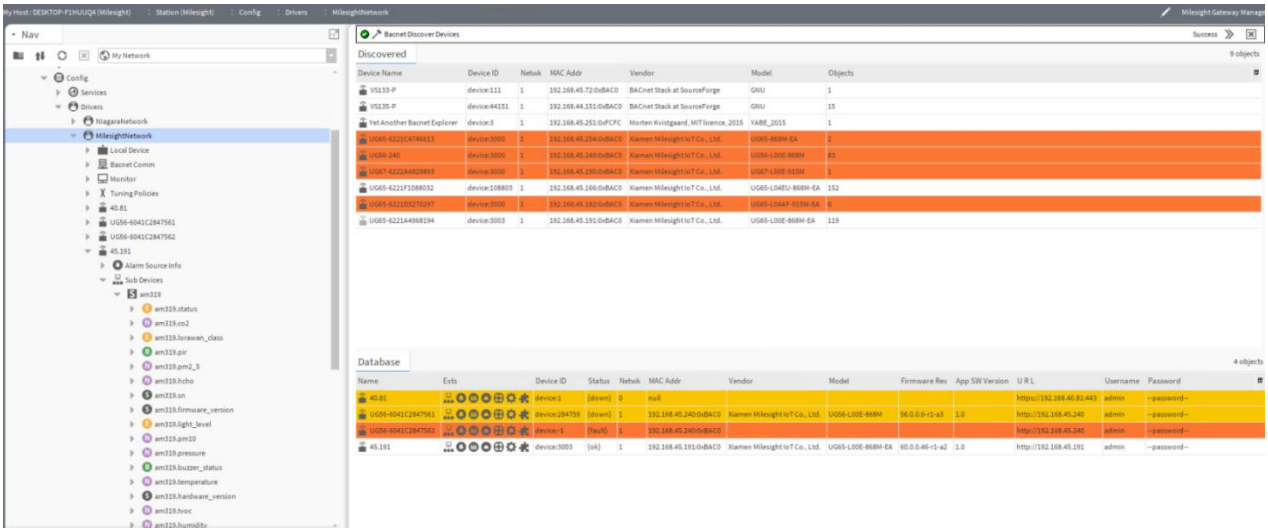
◆ Features

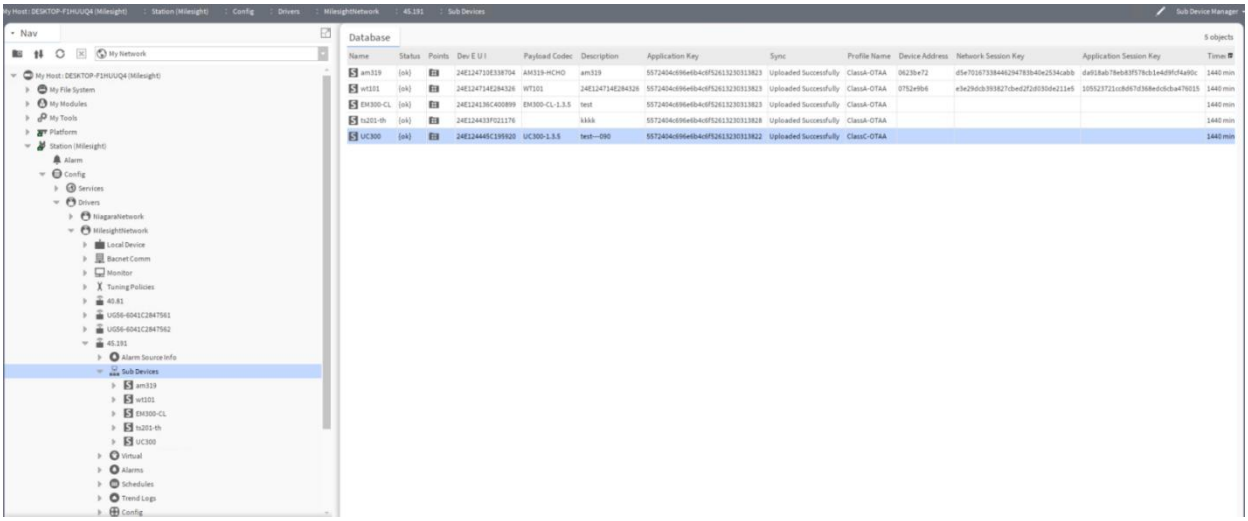
- Support scanning and adding Milesight gateways to Niagara Framework
- Support adding Milesight gateways to Niagara Framework manually
- Support modifying gateway's network and BACnet parameter configurations
- Support creating, deleting, modifying, and synchronizing Milesight end-devices
- Support adding, deleting, modifying, and synchronizing BACnet Objects of Milesight end-devices
- Support adding, deleting, modifying, and synchronizing BACnet Notification Class Objects of Milesight end-devices
- Support downlink control functionality by writing to BACnet Objects
- Support upgrading and synchronizing Milesight sensor's decoder archive
- Support BACnet Alarm/Event notification functionality

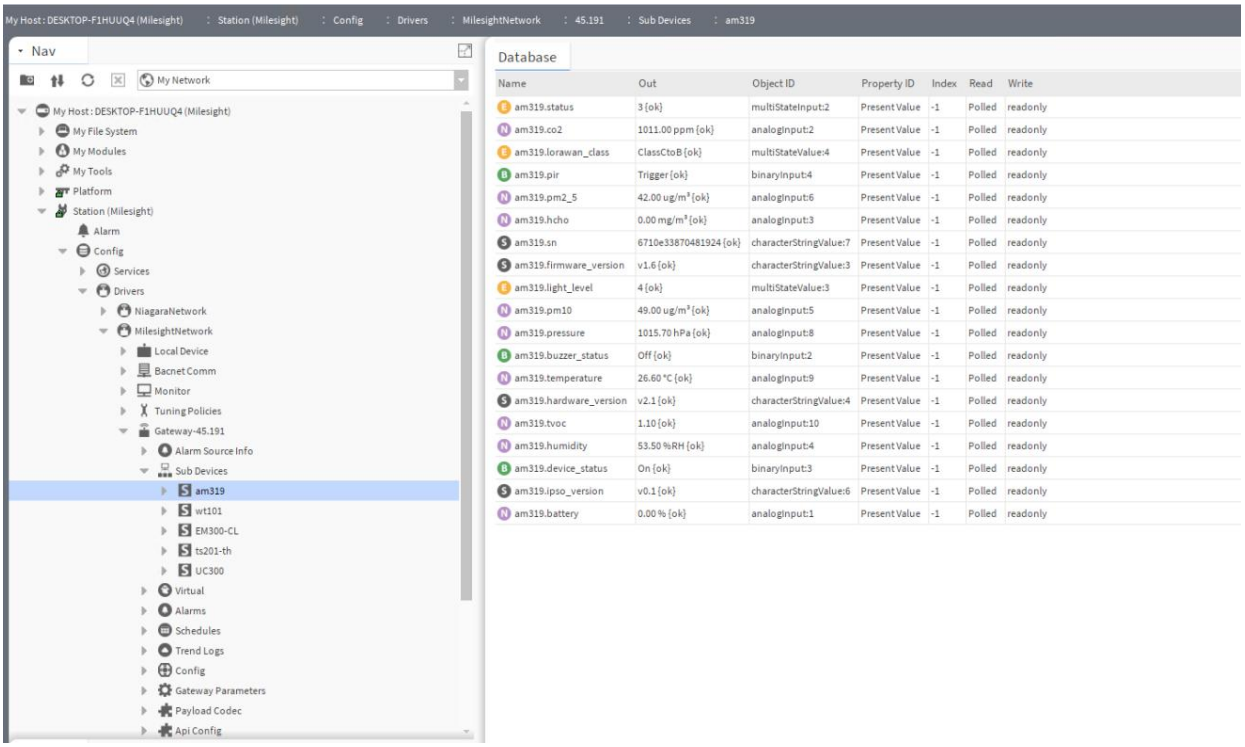
◆ Compatibility

System	
Niagara Framework	N4.10 and higher
Hardware	
UG56	Firmware 56.0.0.6-r2 and higher
UG65	Firmware 60.0.0.46-r2 and higher
UG67	Firmware 60.0.0.46-r2 and higher

◆ Niagara Integration Example







Note:

- The Scan-to-Add gateway feature works when the gateway and Niagara system are on the same LAN.
- Upgrading and synchronizing the decoder archive works with Milesight end devices only.