

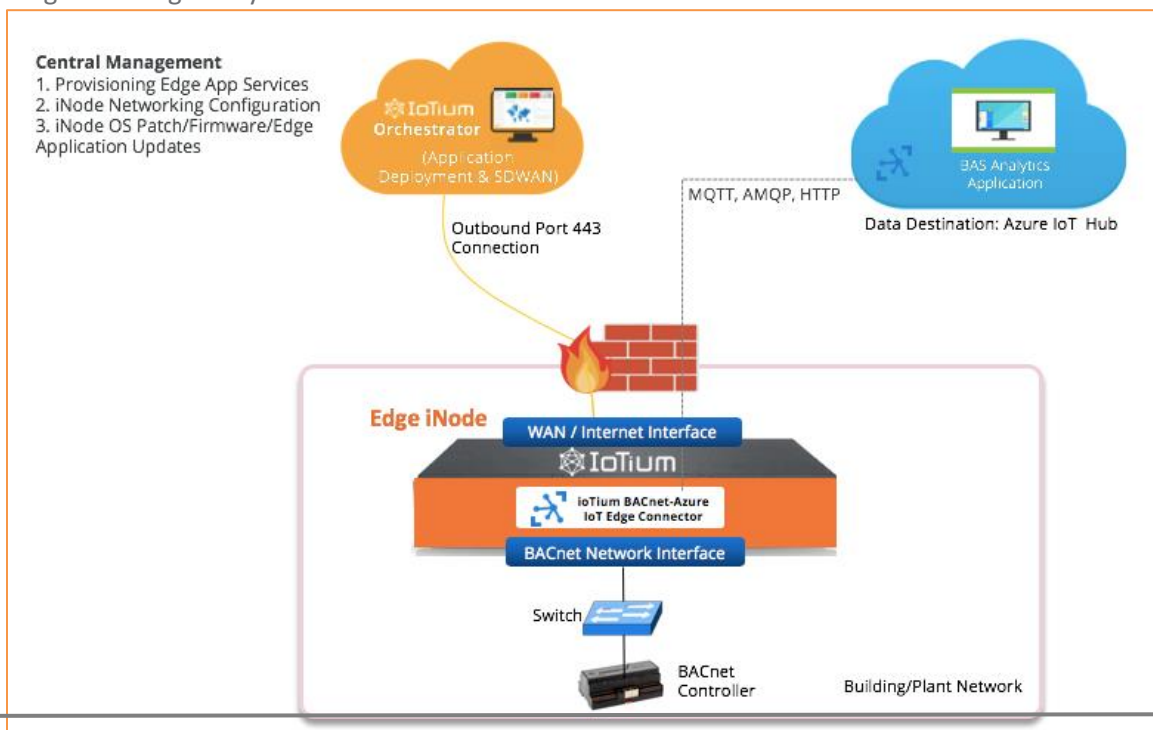
IoTium BACnet-Azure IoT Edge Connector

Plug & Play Secure Connectivity for BACnet Assets to Azure IoT Hub

IoTium’s *BACnet-Azure IoT Edge Connector* application securely and seamlessly connects data from mission-critical BACnet systems and assets to analytics and other applications residing in Azure IoT Hub. Built using the Azure IoT SDK, the IoTium *BACnet-Azure IoT Edge Connector* edge application is securely deployed from IoTium’s cloud-based Orchestrator and managed across buildings globally; enabling plug & play connectivity of BACnet data to Azure IoT Hub at scale.

The *IoTium BACnet-Azure IoT Edge Connector* application leverages IoTium’s Edge-Cloud infrastructure that comprises of the following key components:

- **IoTium Edge iNode:** Converged compute and network element which resides at the data source at the edge. The *BACnet-Azure IoT Edge Connector* application runs on the IoTium Edge iNode.
- **Orchestrator:** Cloud hosted management element which enables a self service portal to securely deploy and manage the networks. The *BACnet-Azure Edge IoT Connector* application is deployed across IoTium Edge iNodes globally from the IoTium Orchestrator.



KEY

BENEFITS

Figure 1: IoTium BACnet-Azure IoT Edge Connector: Connecting BACnet Assets to Azure IoT Hub

Connectivity of BACnet assets to Azure IoT Hub at scale

- Drop-ship plug & play deployment
- Significantly reduced time to securely connect BACnet assets to Azure IoT Hub
- Significantly reduced deployment costs
- Significantly reduced OPEX costs for secure connectivity across thousands of sites

Cloud-based Central Management

- Cloud-based management and monitoring of the *BACnet-Azure IoT Edge Connector* and other edge apps across sites via IoTium Orchestrator for ongoing serviceability

Zero-touch Secure Provisioning

- No truck-rolls
- No CLI
- No usernames and passwords
- No changes to enterprise security/firewall/proxy settings

End to End Secure By Design

- Secure the assets
- Secure data, both in motion and at rest
- Secure Data Isolation
- Granular Policy driven