**1) Azure IoT Central application Integration with Dynamics 365 Field Services**

The below integration processes can be easily implemented based on a pure configuration experience:

* Azure IoT Central can send information about device anomalies to Connected Field Service (as an IoT Alert) for diagnosis.
* Connected Field Service can create cases or work orders triggered from device anomalies.
* Connected Field Service can schedule technicians for inspection to prevent the downtime incidents.
* Azure IoT Central device dashboard can be updated with relevant service and scheduling information.

**2) Add an Azure IoT Edge device to your Azure IoT Central application**

* Create a device template for an IoT Edge device
* Create an IoT Edge device in IoT Central
* Deploy a simulated IoT Edge device to a Linux VM

IoT Central enables the following capabilities to for IoT Edge devices:

* Device templates to describe the capabilities of an IoT Edge device, such as:
  + Deployment manifest upload capability, which helps you manage a manifest for a fleet of devices.
  + Modules that run on the IoT Edge device.
  + The telemetry each module sends.
  + The properties each module reports.
  + The commands each module responds to.
  + The relationships between an IoT Edge gateway device and downstream device.
  + Cloud properties that aren't stored on the IoT Edge device.
  + Customizations, dashboards, and forms that are part of your IoT Central application.
* The ability to provision IoT Edge devices at scale using Azure IoT device provisioning service
* Rules and actions.
* Custom dashboards and analytics.
* Continuous data export of telemetry from IoT Edge devices.

**3) Pricing:**

|  |  |  |  |
| --- | --- | --- | --- |
| Pricing tier | Standard Tier 0 | Standard Tier 1 | Standard Tier 2 |
| Use Case | For devices sending a few messages per day | For devices sending a few messages per hour | For devices sending a message every few minutes |
| Price per device per month | $0.08 per month | $0.40 per month | $0.70 per month |
| Monthly device message allocation\*1 | 400 messages | 5,000 messages | 30,000 messages |
| Included free quantities per application | 2 free devices (800 included messages) | 2 free devices (10,000 included messages) | 2 free devices (60,000 included messages) |
| Overage pricing per 1K messages\*2 | $0.07 per 1K messages | $0.015 per 1K messages | $0.015 per 1K messages |

\*1 Total message allocation is shared across all devices in an IoT Central application

\*2 The standard message size is 4 KB. For example, if the device sends a 4.5 KB message, it will be billed as 2 messages.

**4) Export IoT data to cloud destinations using data export:**

* Continuously export telemetry, property changes, device connectivity, device lifecycle, and device template lifecycle data in JSON format in near-real time.
* Filter the data streams to export data that matches custom conditions.
* Enrich the data streams with custom values and property values from the device.
* Send the data to destinations such as Azure Event Hubs, Azure Service Bus, Azure Blob Storage, and webhook endpoints.

**5) What are application templates?**

These are pre-configured templates for IOT solution development.

Application templates consist of:

* Sample operator dashboards
* Sample device templates
* Simulated devices producing real-time data
* Pre-configured rules and jobs
* Rich documentation including tutorials and how-tos

These are of 2 types:

**(I)Custom templates**

If you want to create your application from scratch, choose the **Custom application** template.

**(II)Industry focused templates**

Azure IoT Central is an industry agnostic application platform. Application templates are industry focused examples available for these industries today:

**6) Built-In Dashboard supported and provides a customizable UI to monitor device health and telemetry.**

**7) Telemetry Retention Period:** 30 days

**8) We can Create a rule and set up notifications in your Azure IoT Central application**

**9) Built-In Device Provisioning Service.**

**10) Offers to connect, manage & monitor devices at scale.**

**11) We could add any device template to review it’s working before deploying on solution.**