Gateway Client Agent Standalone Application User Guide 1.0

Kraft Heinz

Table of Contents

Gateway Client Agent Standalone Application Guide 1.0

1. Introduction

The objective of this document is to provide basic guidelines to users of Gateway Client Agent Standalone Application.

This document contains instructions on:

- How to Perform **Device Registration**
- How to Perform **Data Source Connectivity**
- How to do **Plant Configuration**
- How to Fill in **Asset Details**
- How to Map **Tag Monitor**
- How to Set **Data Frequency**
- How to **Change Pin**
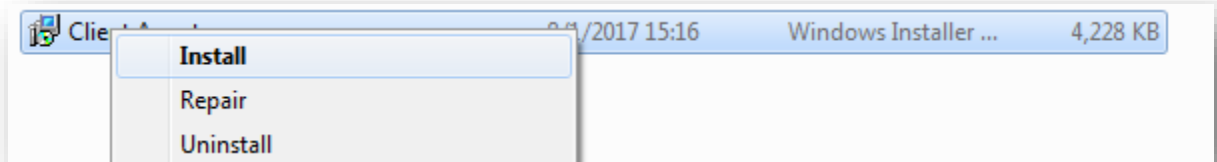- How to view **Health Check**

2. Prerequisites

The following are the Prerequisites required to install the Gateway Client Agent Standalone Application.
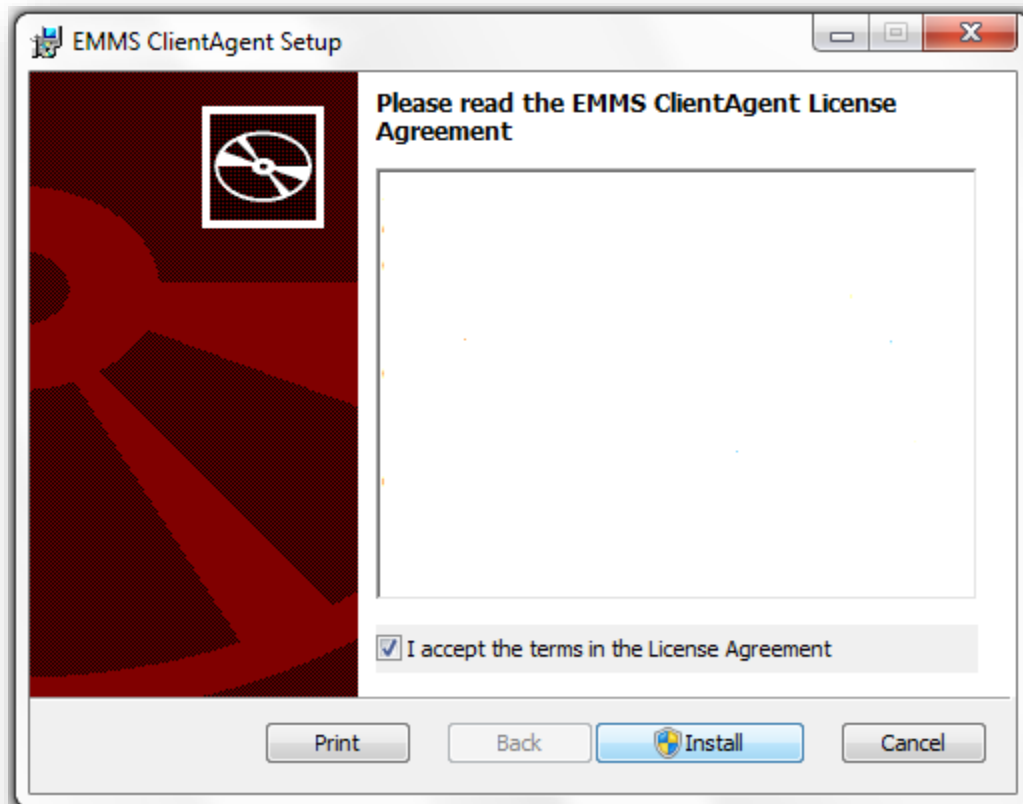
- Windows 7 with Service Pack 2 or higher
- **.**NET Framework 4.0 or higher
- User must have Admin Rights
- Firewall access to allow Azure IOT sites

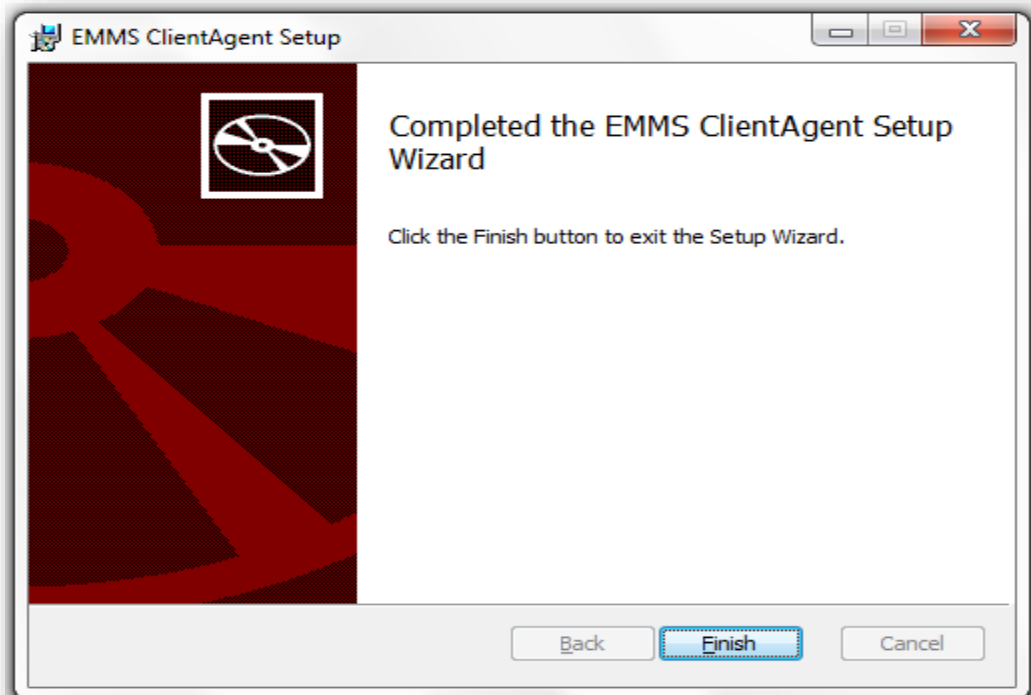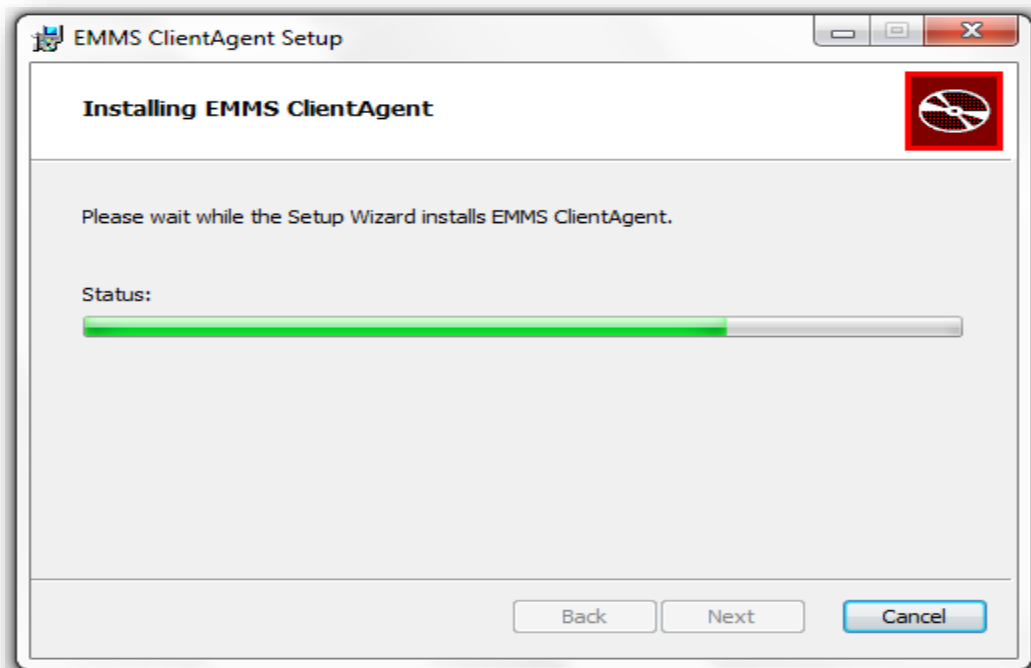### 3. Gateway Client Agent Installation Steps
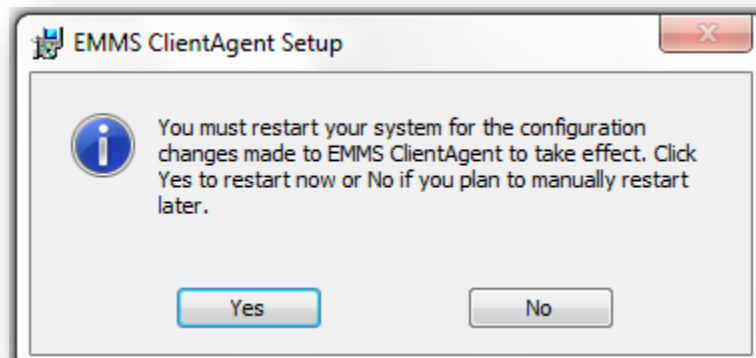
- Install Setup

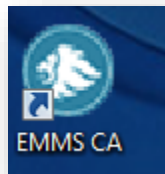- Right click on the icon and select the **Install** option

- Check the Checkbox "I accept the terms in the License Agreement".
- Click on the Install Button to continue the installation.
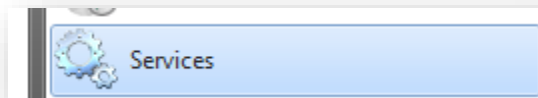- Click on the Cancel button to cancel the installation.

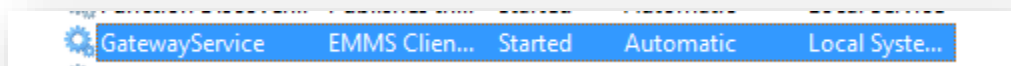- Click on Finish Button to complete the installation.
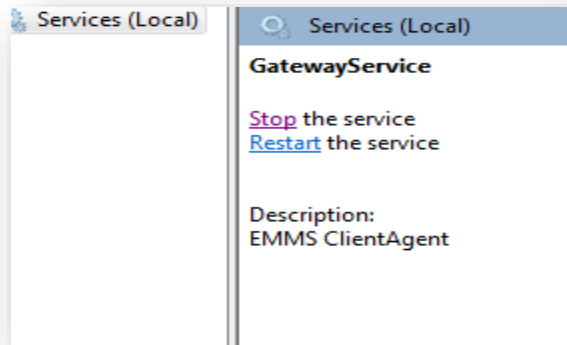
- Click on Yes Button to restart the PC.

- After restarting the PC, Shortcut Icon will be created on Desktop.
- Once Installation is completed successfully, Go to Start Menu -> Search Services -> Open Services ->
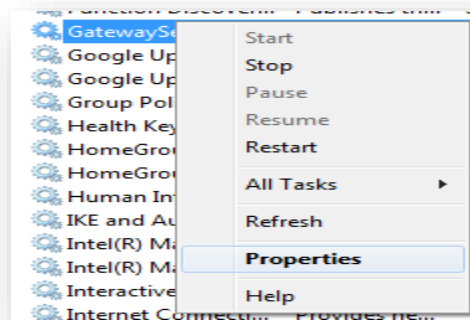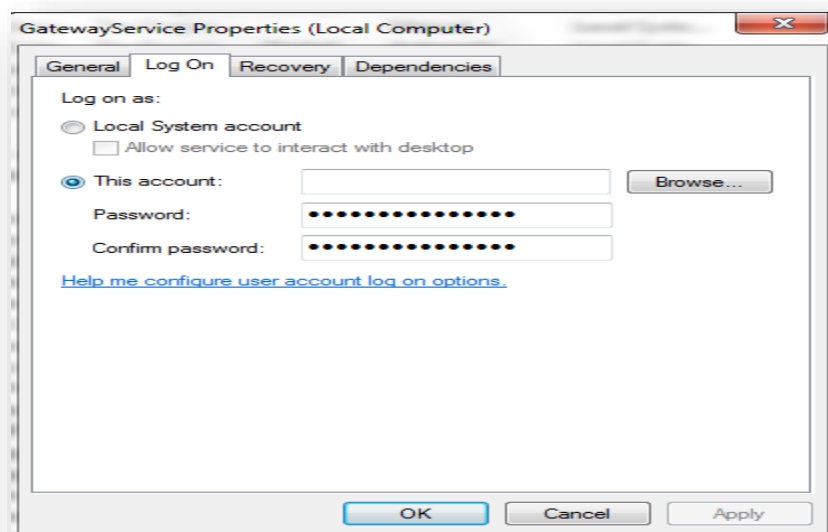

- Search for Gateway Services ->
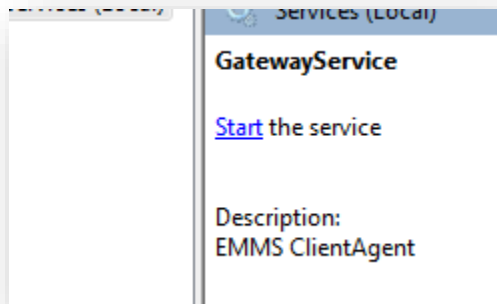
- Stop service ->

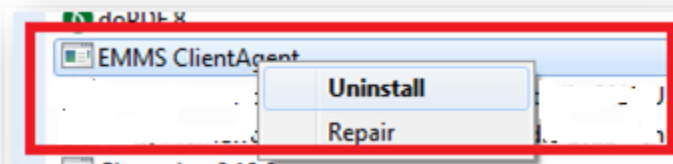- Go to Properties of services ->

- on Log on Tab -> Run service with your service Credentials ->
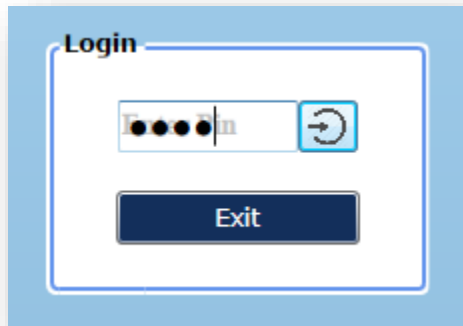
- Apply -> Start Services.

- Open EMMS CA(Client Agent UI Application) Shortcut available on Desktop
- Pin -> '0000'
- Uninstall setup

- Go to Start Menu -> Control Panel -> Right click on the Application Name -> Select Uninstall.
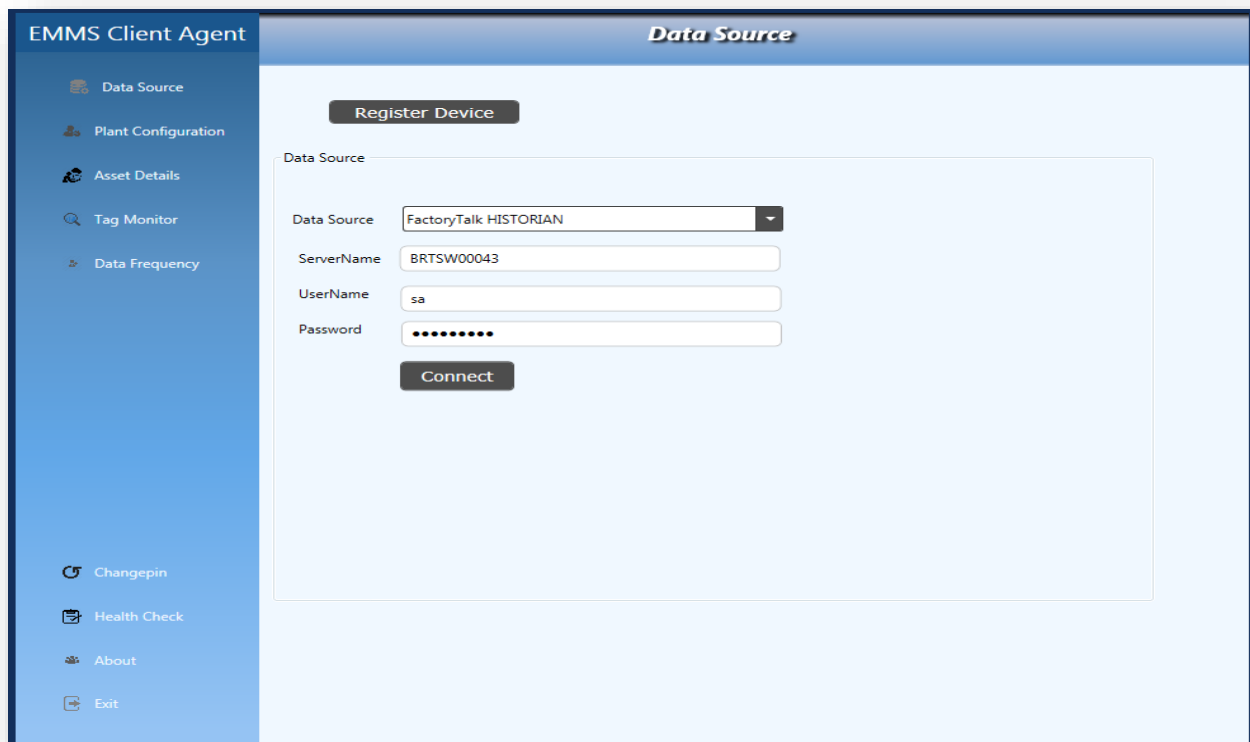
4. Login into the Gateway Client Agent

- Enter the 4 digits pin
- Default pin 0000 to login

- Click on the Exit Button to exit from the application.

5. Plant Configuration Steps

Multiple menus will be available in left of the screen

- Click on each Menu Corresponding screens will be displayed in right of the pane.
- Data Source will be the default screen upon login.

5.1 Historian and Cloud Connectivity

5.1.1 Device Registration

- Device Id [Mac Id of PC where Gateway Client Agent is installed] should be existing in cloud DB.
- Mac Id will be added to cloud DB using MVC Application by Admin.
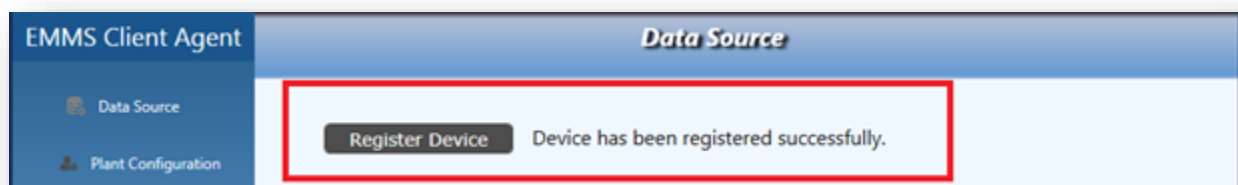
- Click on Register Device button, if Mac Id exists in DB, user will get Success message "Device has been registered Successfully" else unsuccessful message "Device has Not been registered Successfully" will be displayed.

5.1.2 Data Source Connectivity

This section will help user to check historian connectivity

- Multiple data source types will be available in combo box, select corresponding type and enter the details like Server Name, Username and Password whichever necessary to connect to a data source.

5.2 Plant Configuration

This section is for entering the plant information

- User has to enter the plant details like Plant Name, Location, Select the Country, GPS Points and select the Zone Name
- Click on Save Button to save the details in cloud DB.
- User will get the corresponding message "Success" or "Failure".

5.3 Asset Details

This section is used for entering Asset Details

- Multiple tabs will be available to user
- User has to select the corresponding tabs such as Building Details, Department Details and Equipment Details.

- Select the Building Details Tab to enter the Building Names.

- Select the Department Details Tab to enter the Department Names.

- Select the Equipment Details Tab to enter the Equipment Names and Select the Equipment Types.
- Based on tab selection text filed will be appeared to user to enter the asset details.

- After entering the value user must click on Add button to save the details in Azure DB.
- User will get the corresponding message "Success" or "Failure".
- Data will be populated in Datagridview.

5.4 Tag Monitor

This section will be used for mapping each individual tag with energy type, Unit of Measure and Asset Details.
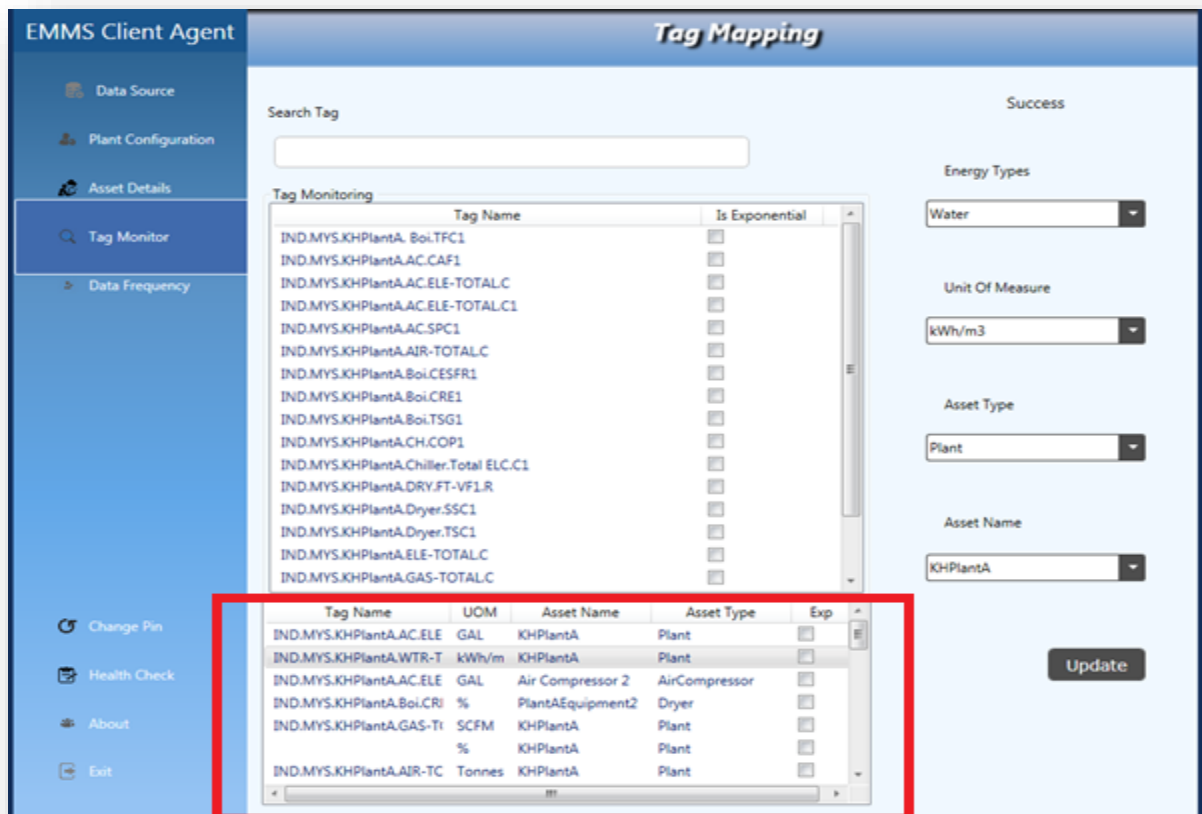

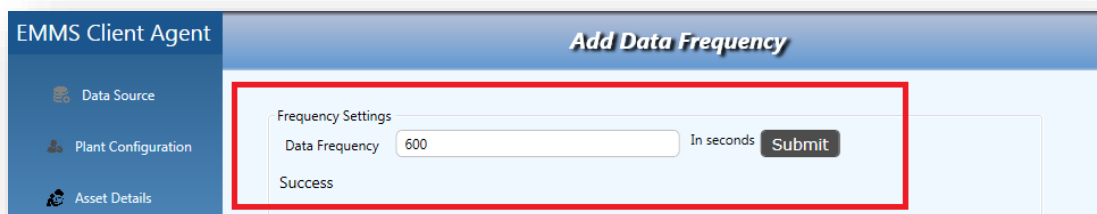- List of Tags will be displayed in Data Grid View.
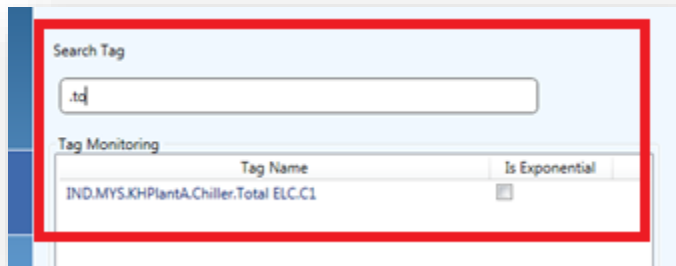
- User can have an option to search for Tag name.
- Select the Tag Name from the Data Grid view, Select the Energy Type, Unit of Measure, Asset Type and Asset Names from the Combo Box.
- After selecting the mapping details user should click on the Save button for saving the details in Cloud DB.
- User will get the corresponding message "Success" or "Failure".
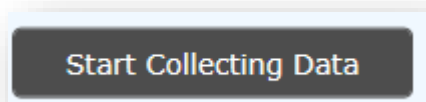- Data will be populated in Datagridview.

- List of Mapped Tag Names will be displayed in Highlighted DataGridview.
- User can select each individual row for editing the mapping details.
- After editing click on Update Button to update the records in Azure DB.
- User will get the corresponding message "Success" or "Failure".
- Data will be updated in Datagridview.

5.5 Data Frequency

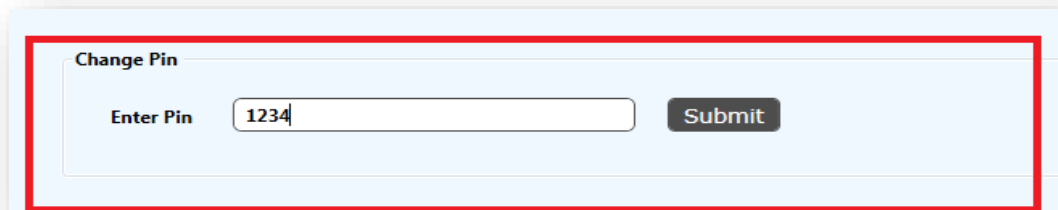This section is used for setting the frequency to run the job scheduler.

- Enter the Data Frequency in seconds.
- Minimum 5 minutes [5 x 60 = 300 seconds] and Maximum [60 x 60 = 3600 seconds].
- After entering the value in text field click on submit Button to save the details in Azure DB.
- User will get the corresponding message "Success" or "Failure".

- Click on Start Collecting Data Button.
- It will start to collect time series data from historian and push it into Azure DB.

5.6 Change Pin

This section will be used for changing the user pin.

- User should enter the pin and click on submit button.
- After clicking on Submit Button pin changes has been changed.

5.7 Health Check

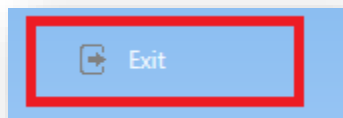This section is used for Monitoring the Health.

5.8 About

- Work in Progress

5.9 Exit

- Click on exit tab to exit from the application.