Ignition MQTT

Data Egress Instructions

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MQTT Executable and Credentials

1. Create a new directory called: **C:\Pani**
2. Copy the contents of **Executable and Credentials** into the new directory.
   a. **mqtt.exe** is the program that performs the MQTT communication.
   b. **pani.conf** is a configuration file for mqtt.exe.
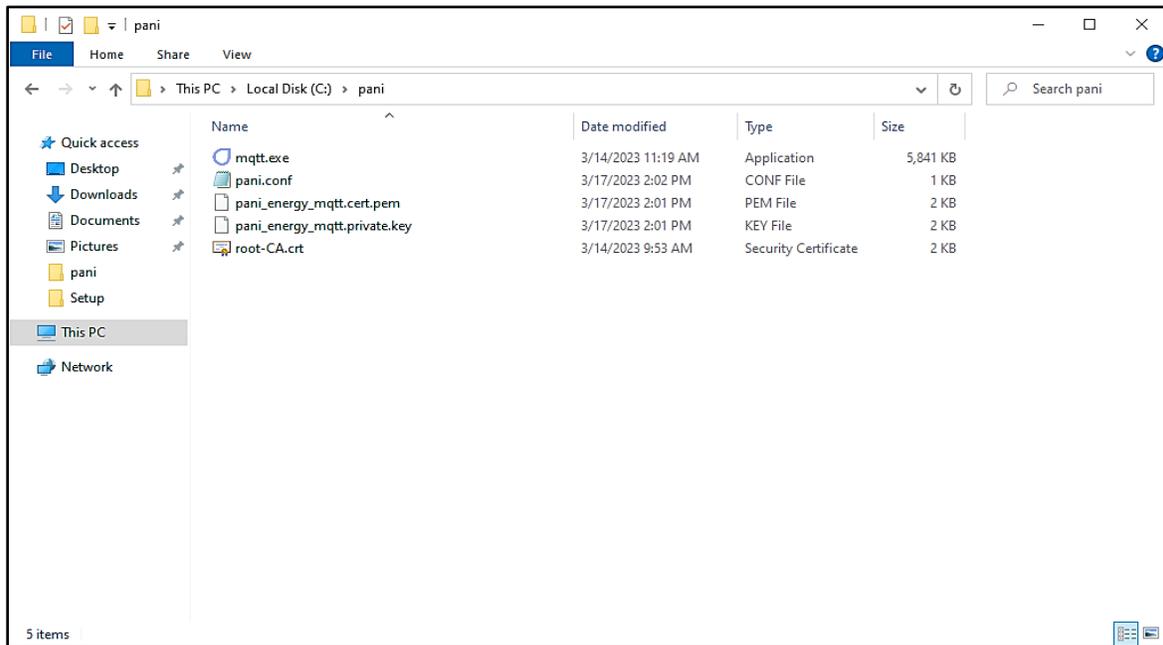   c. The **.pem**, **.key**, and **.crt** files are credentials required for connecting to Pani's cloud.

Fig. 1 Executable and Credentials

Ignition Module

1. Copy the contents of **Ignition Module**.
2. Paste into **C:\Program Files\Inductive Automation\Ignition\user-lib\pylib\site-packages**.
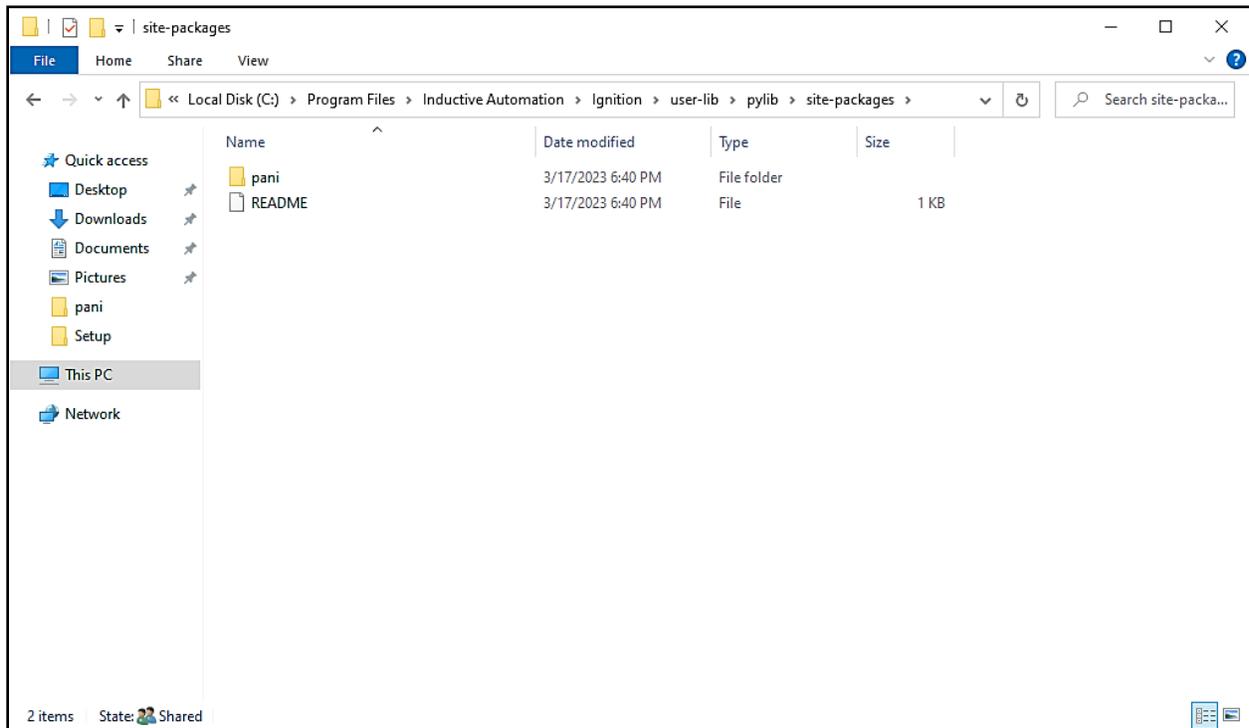   a. This installs the module in Ignition and will now be part of the gateway backup.

Fig. 2 Ignition Module

Ignition Scripting

1. Create a Scheduled Gateway Event Script.
   a. The name does not matter but something descriptive like " Pani Data Egress" is preferable.
2. Ensure the timing is set to trigger every minute as shown below.
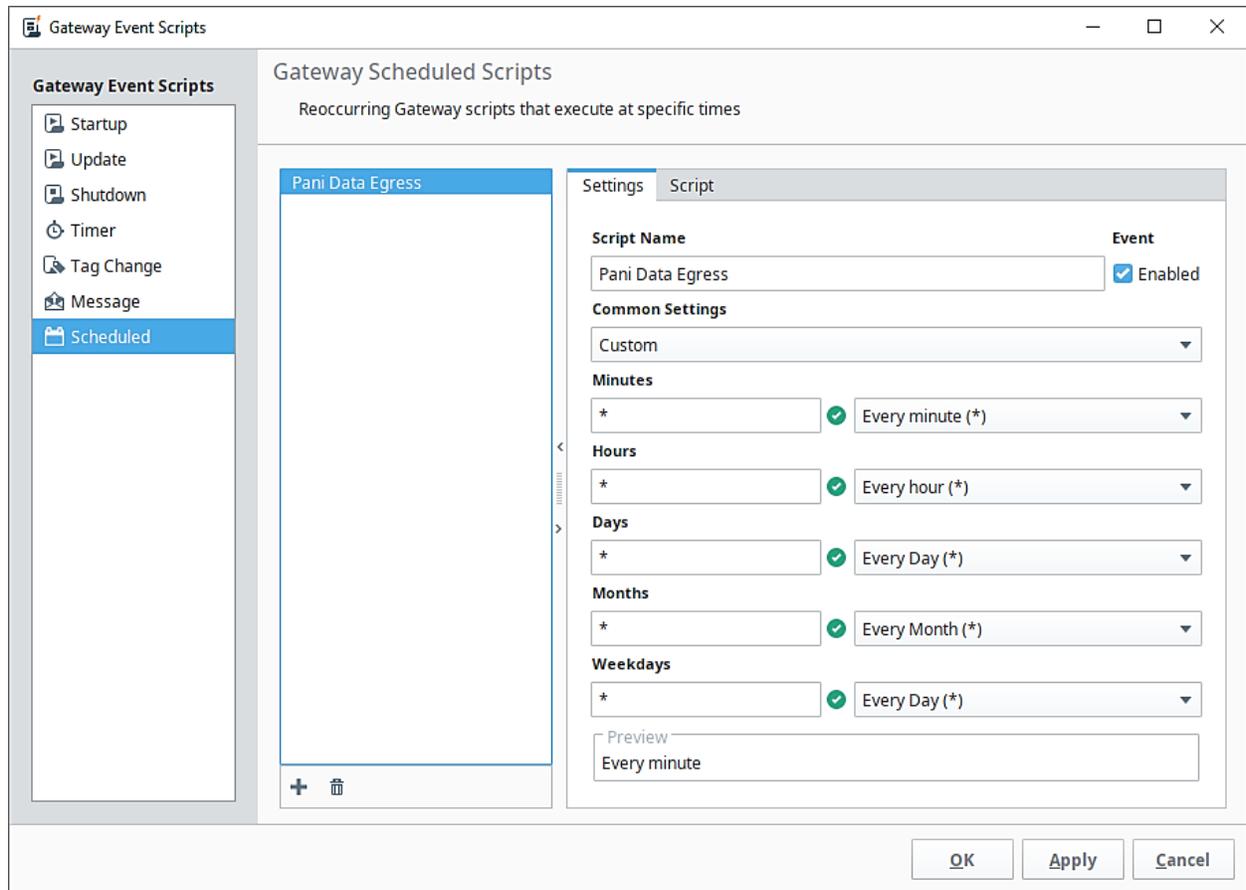3. Copy the contents of **Pani_Data_Egress.txt** into the Script tab of the new script.

Fig. 3 Ignition Scripting

Ignition Gateway Backup

1. Perform a gateway backup to ensure the changes do not get lost in case of gateway failure.
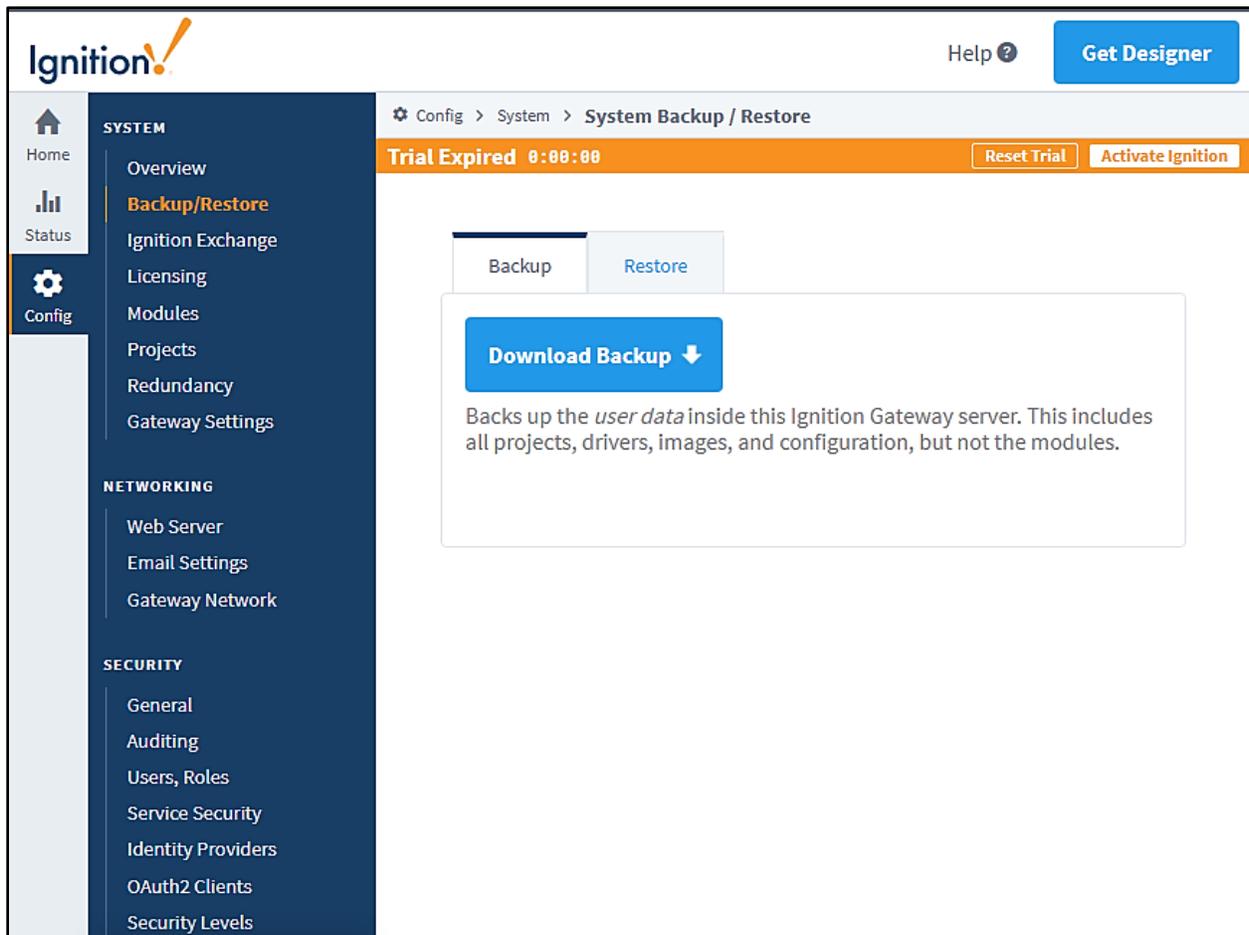   a. This is done via the web portal at **localhost:8088**.

Fig. 4 Ignition Gateway Backup