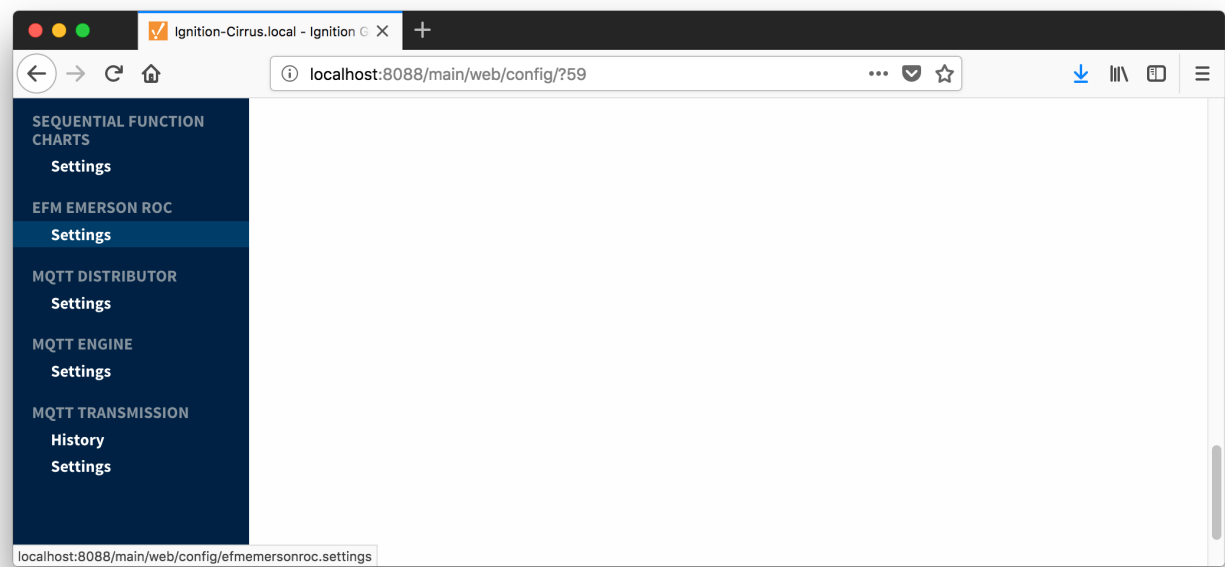


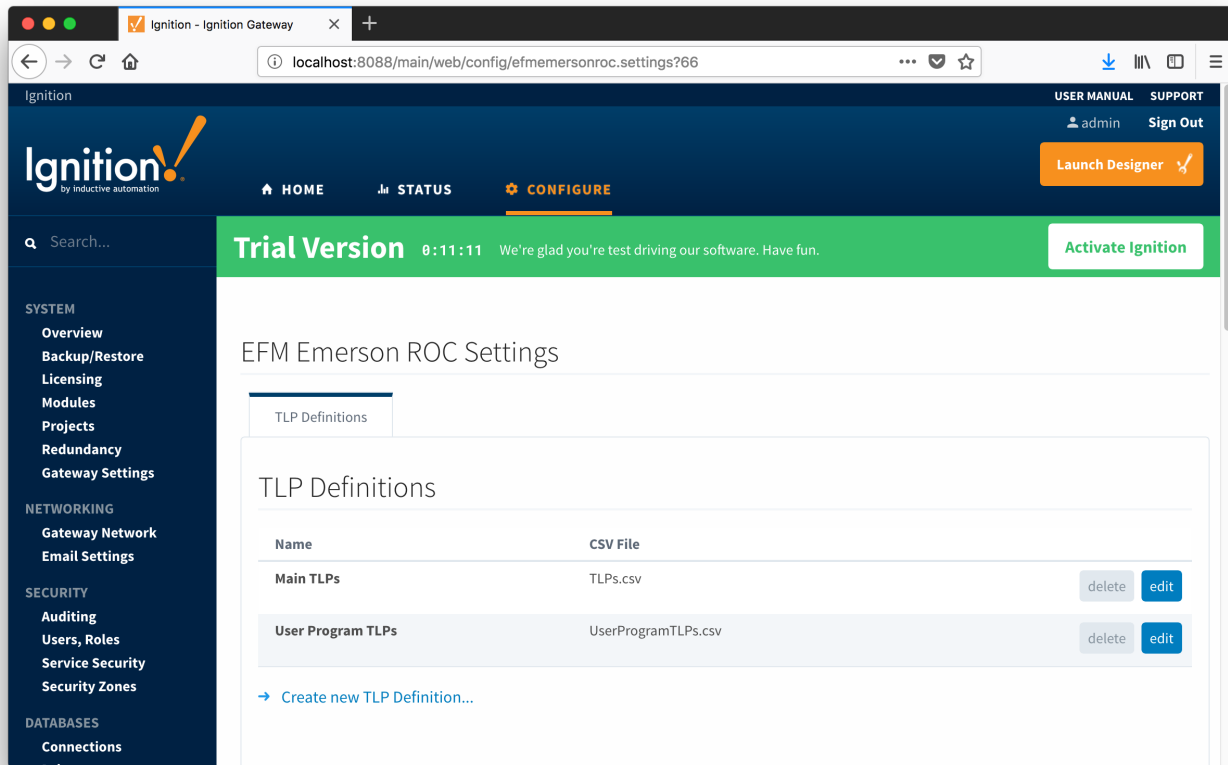
ERD: Configuration

EFM Emerson ROC provides a configuration section to the Ignition Gateway that can be seen in the Configure section of the Ignition Gateway web UI. There is one configuration page - 'Settings'

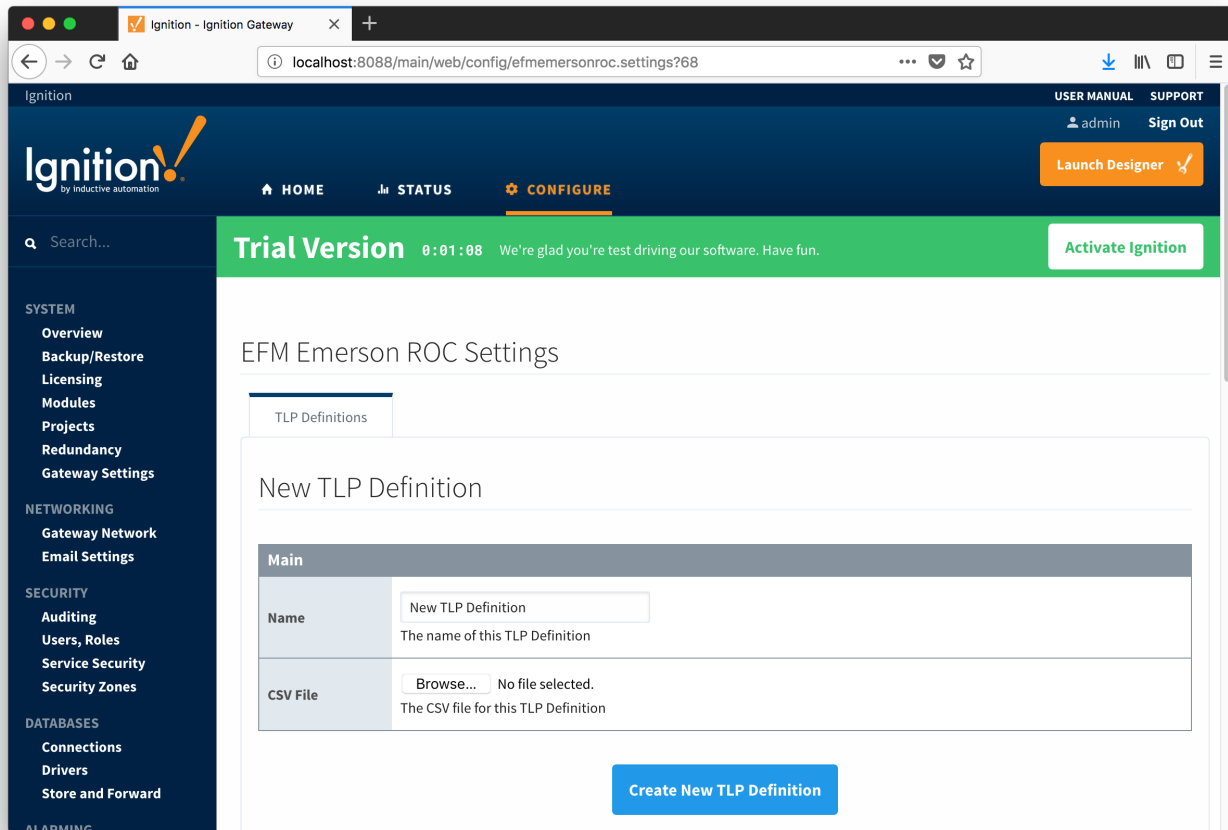


Settings

The EFM Emerson ROC Settings configuration page allows user to create TLP Definitions as shown below:



New TLP Definitions can be created by following the 'Create new TLP Definition' link as shown below:



Main Properties

- **Name**
 - This is the friendly name of the TLP Definition being created
- **CSV File**
 - Click the 'Browse' button to select CSV file for this TLP Definition

Click [here](#) to download the Cirrus Link default TLP and mapping files - Note these need to be thoroughly tested and reviewed in your application before they are put into production.

The downloaded zip file contains:

FB107-TLPs-V1_0.csv

FB107-Meter_Configuration_Mapping-V1_0.csv

FB107-Orifice_Turbine_Meter_Periodic_History_Mapping-V1_0.csv

ROC800-TLPs-V1_0.csv

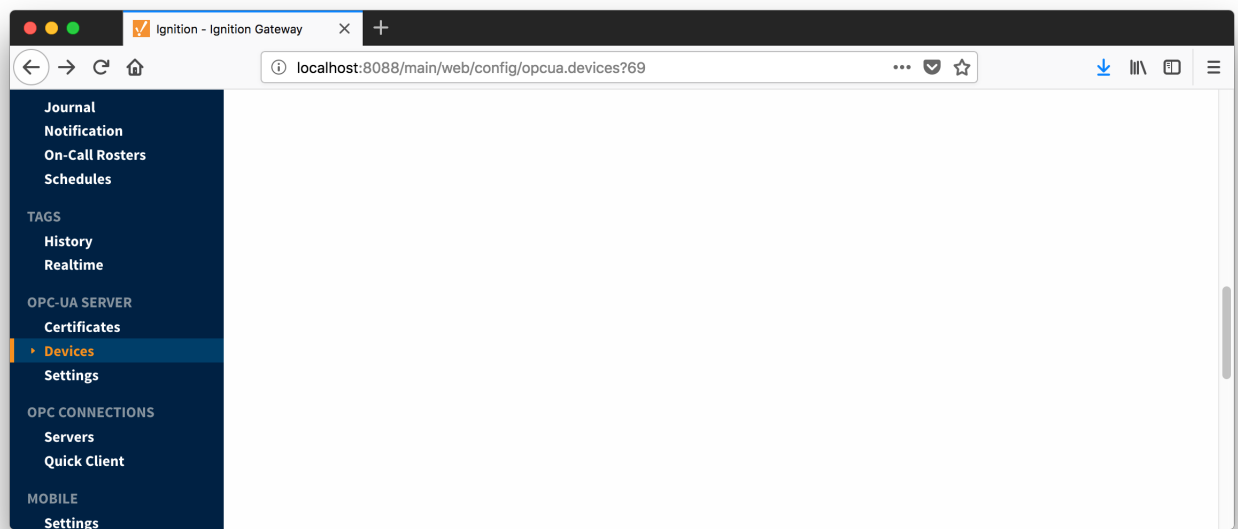
ROC800-Meter_Configuration_Mapping-V1_0.csv

ROC800-Orifice_Turbine_Meter_Periodic_History_Mapping-V1_0.csv

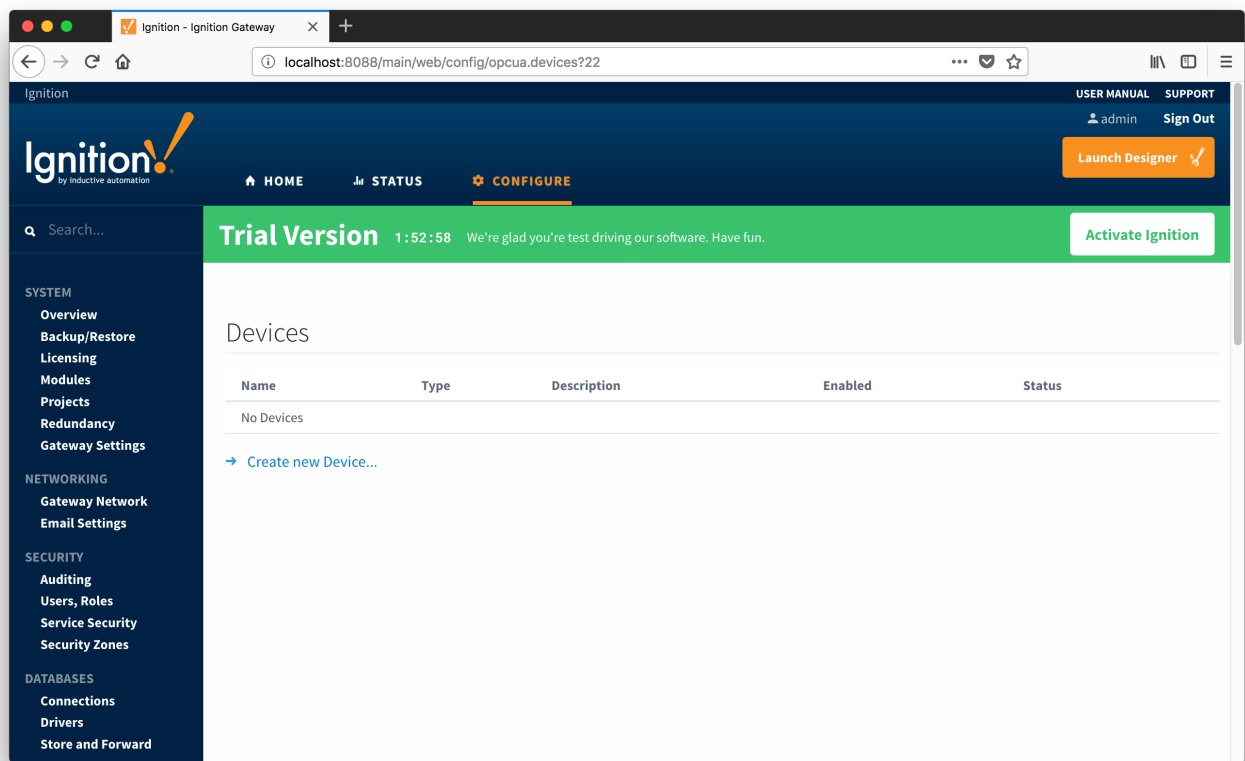
UserProgram-TLPs-V1_0.csv

Emerson ROC Device Connection

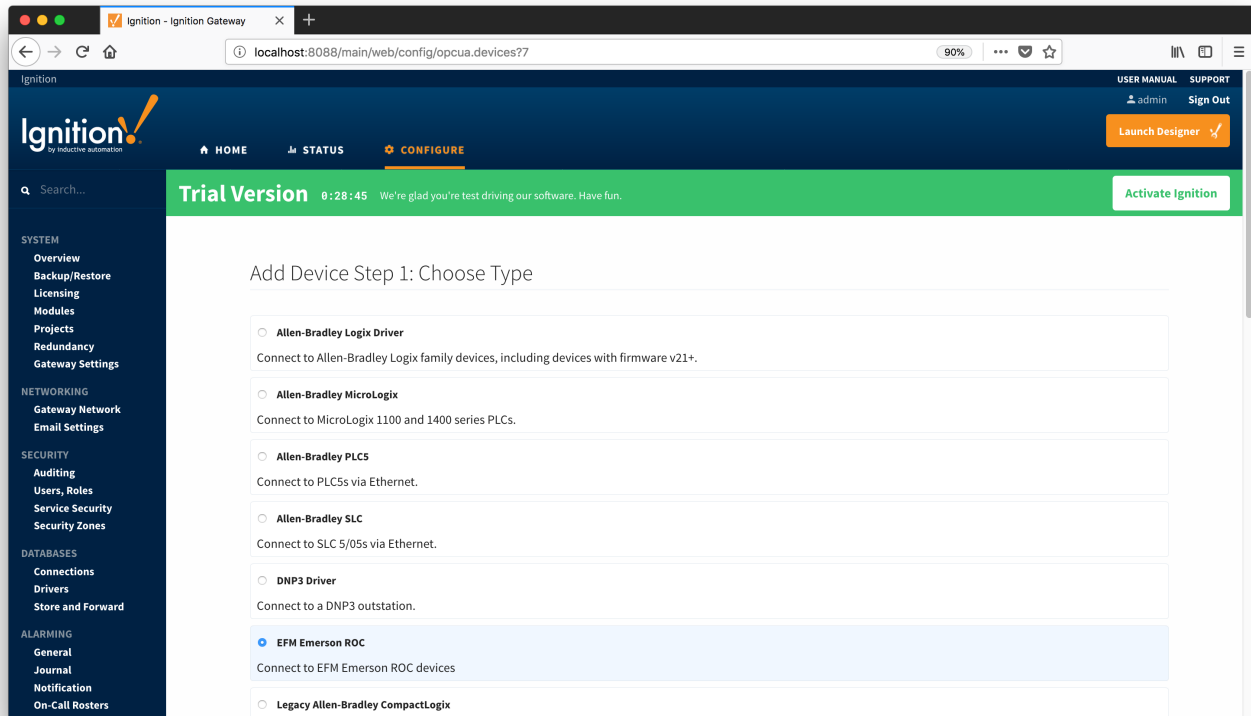
Device connection for Emerson ROC module can be configured via OPC-UA SERVER.



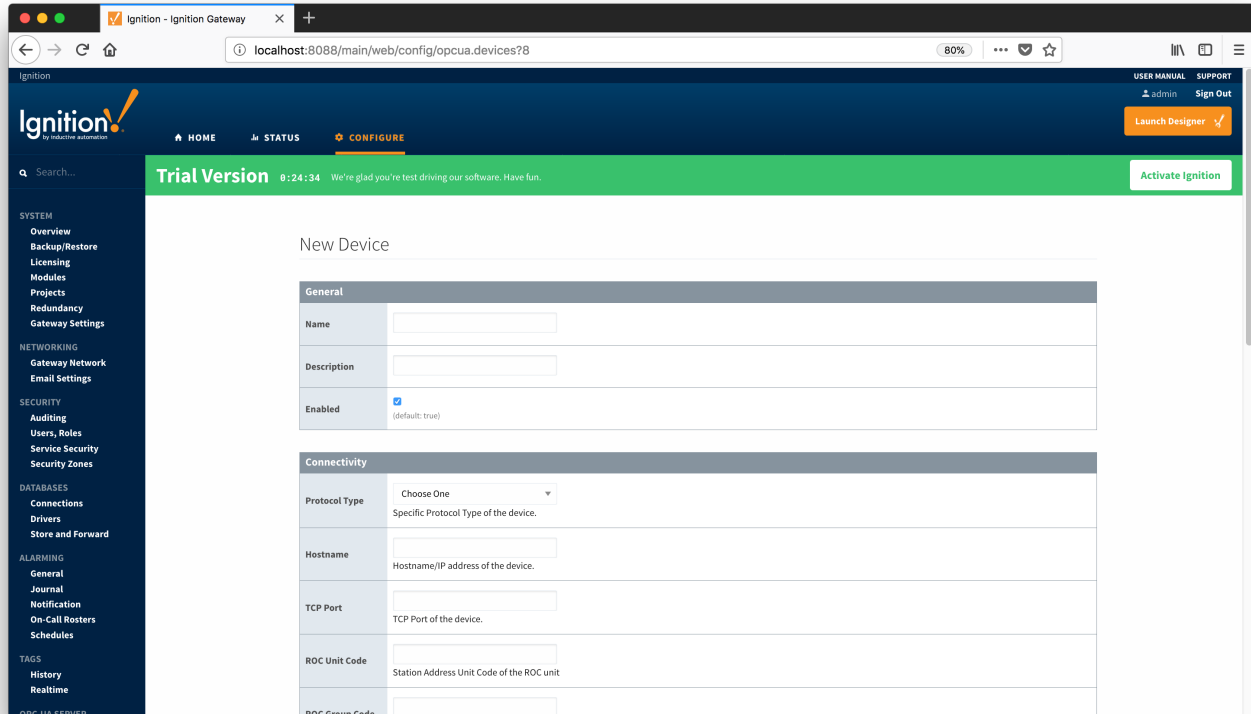
Selecting 'Devices' opens respective configuration page as shown below:



New Emerson ROC device can be created by following the 'Create new Device...' link and choosing 'EFM Emerson ROC' device as shown below:



This opens the 'New Device' configuration page for EFM Emerson ROC Device:



General

- Name
 - Device name

- **Description**
 - Device description
- **Enabled**
 - Device enabled

Connectivity

- **Protocol Type**
 - Specific Protocol Type of the device
 - ROC
 - ROC_PLUS
- **Hostname**
 - Hostname or IP address of the device
- **TCP Port**
 - TCP Port of the device.
- **ROC Unit Code**
 - Station Address Unit Code of the ROC unit
- **ROC Group Code**
 - Station Address Group Code of the ROC unit
- **Host Unit Code**
 - Station Address Unit Code of the host (this driver)
- **Host Group Code**
 - Station Address Group Code of the host (this driver)

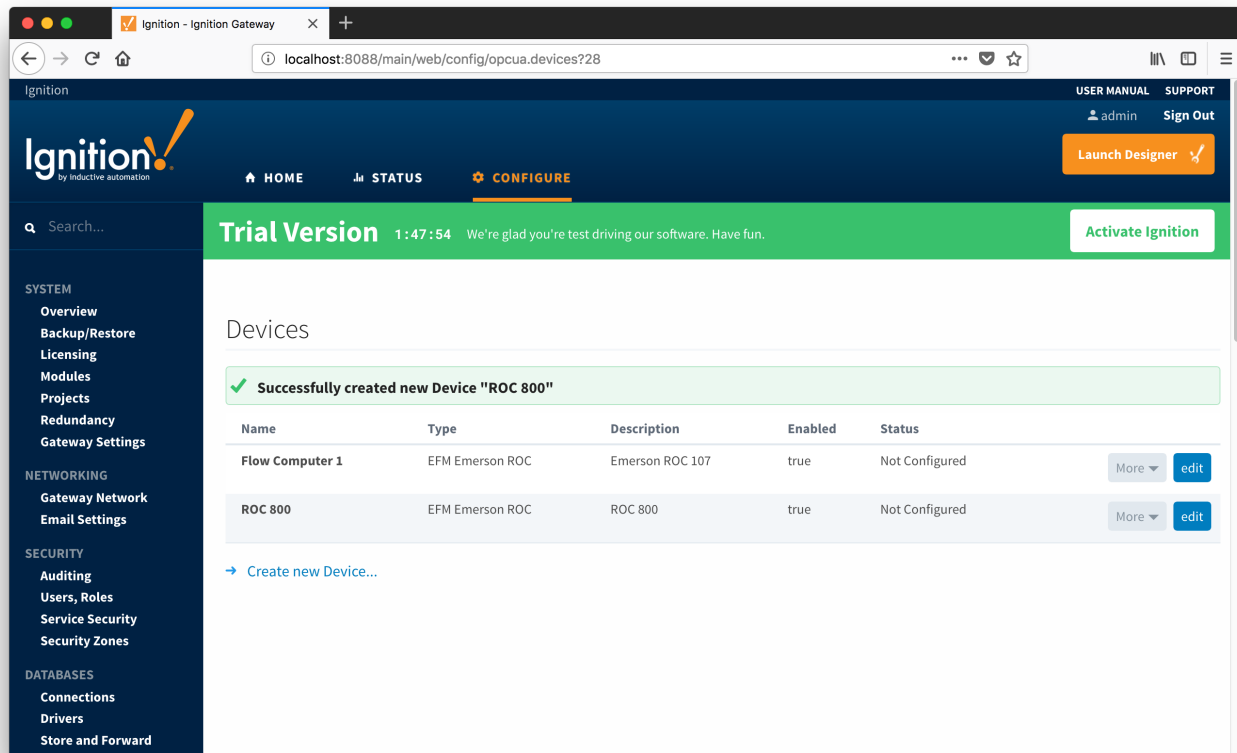
Records

- **Alarm Scan Rate**
 - The rate in seconds that alarm records are scanned
 - Set to -1 to disable alarm scanning (default)
- **Event Scan Rate**
 - The rate in seconds that event records are scanned
 - Set to -1 to disable event scanning (default)
- **Minute History Scan Rate**
 - The rate in seconds that minute history records are scanned
 - Set to -1 to disable minute history scanning (default)
- **Periodic History Scan Rate**
 - The rate in seconds that periodic history records are scanned
 - Set to -1 to disable periodic history scanning (default)
- **Daily History Scan Rate**
 - The rate in seconds that daily history records are scanned
 - Set to -1 to disable daily history scanning (default)

Sparkplug

- **Group ID**
 - An ID representing a logical grouping of Edge Nodes and Devices
- **Edge Node ID**
 - An ID representing an Edge or Network (EoN) Node
- **Device ID**
 - An ID representing a Device

When all EFM Emerson ROC devices are configured, the Devices page will look as shown below:



To finish configuring Emerson ROC and connect to physical devices, TLP definitions for each device need to be provided as described in the 'Specifying TLP Definitions for a Device' section of the [EFM Emerson ROC Quickstart document](#). In short, the following three things need to be done:

- Specify TLP Definitions
- Provide TLP Templates by importing TLP-template CSV file
- Configure TLP Poll Groups by importing TLP-poll-group CSV file

When this is done, the 'Devices' configuration page will look as shown below with the 'Status' of each device set to 'Connected'.

Ignition - Ignition Gateway

localhost:8088/main/web/config/opcua.devices?69

Ignition
by inductive automation

USER MANUAL

SUPPORT

admin

Sign Out

Launch Designer

HOME

STATUS

CONFIGURE

Search...

SYSTEM

Overview

Backup/Restore

Licensing

Modules

Projects

Redundancy

Gateway Settings

NETWORKING

Gateway Network

Email Settings

SECURITY

Auditing

Users, Roles

Trial Version 1:32:01 We're glad you're test driving our software. Have fun.

Activate Ignition

Devices

Name	Type	Description	Enabled	Status	
Flow Computer 1	EFM Emerson ROC	Emerson ROC 107	true	Connected	More edit
ROC 800	EFM Emerson ROC	ROC 800	true	Connected	More edit

Create new Device...