

# MR: Configuration

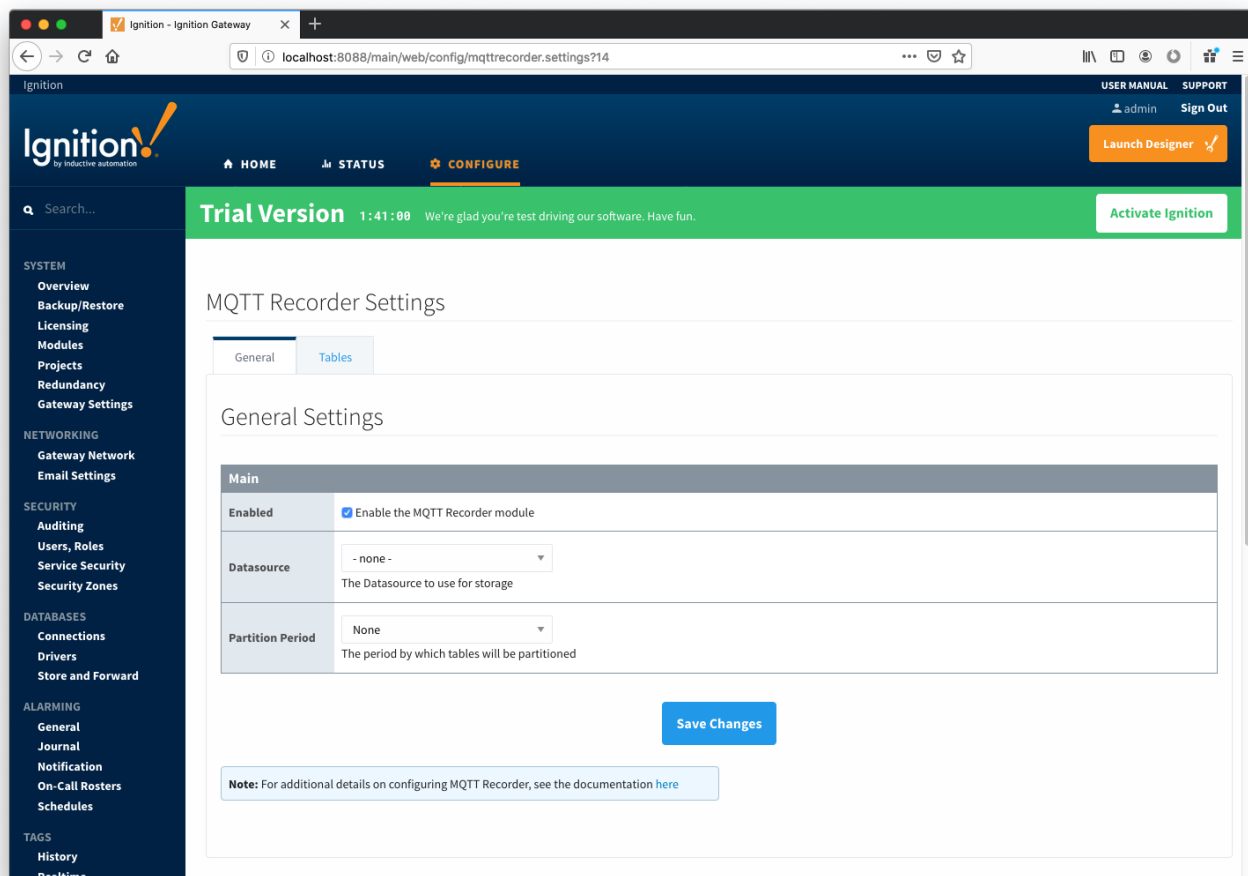
MQTT Recorder provides a configuration section to the Ignition Gateway. These can be seen in the Configure section of the Ignition Gateway web UI on the left-hand navigation pane - Configure MQTT Recorder Settings.

## General

These are the general MQTT Recorder configuration settings.

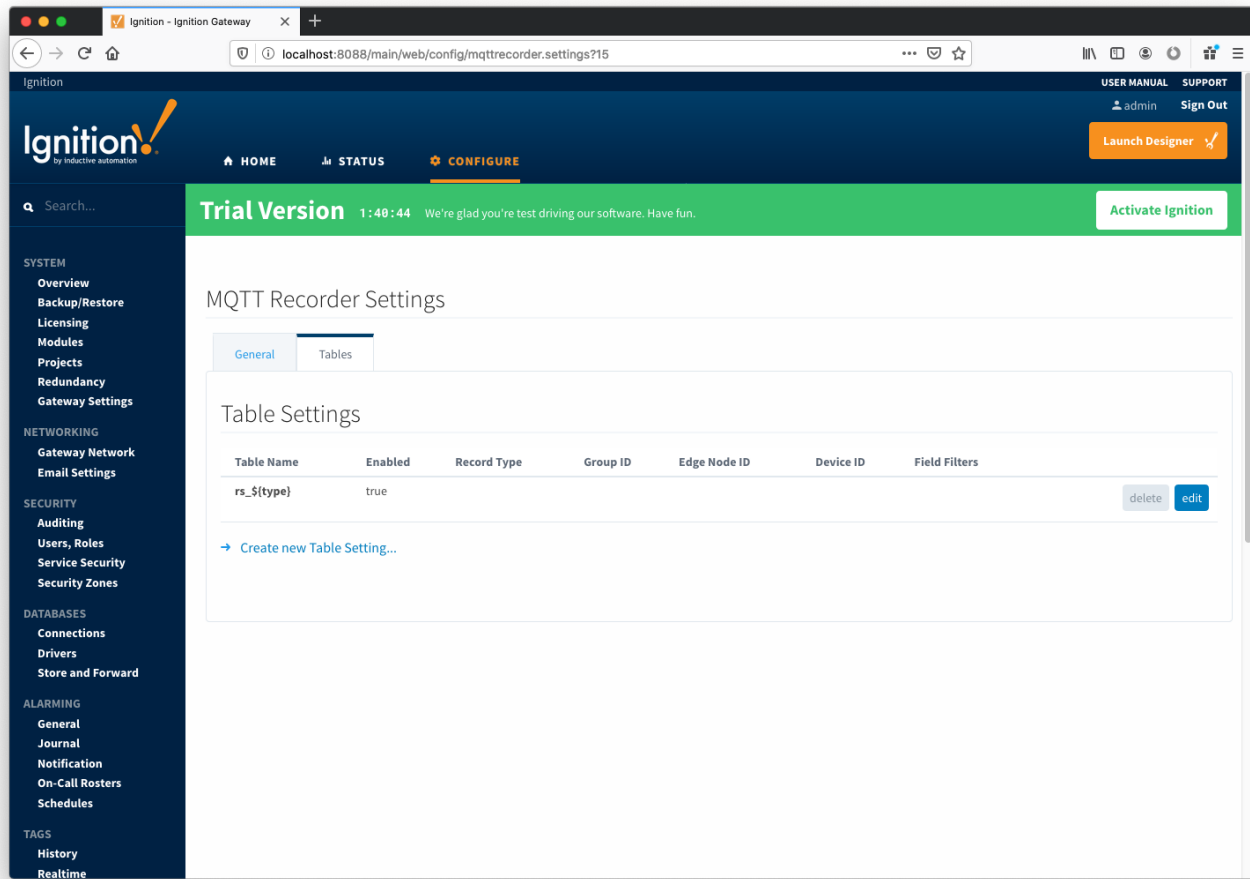
## Main

- **Enabled**
  - This denotes whether or not to enable or disable the MQTT Recorder module.
- **Datasource**
  - A dropdown list to select the database connection to use for record storage. This list is populated with the database connections set up within the Ignition Gateway.
- **Partition Period**
  - The partitioning scheme to use for record tables within database. Each table name will be appended with a date indicating the partition time period. For example, if table were created for "alarm" records on September 25, 2018 at 2:00 AM, they table name for each partition type would be:
    - None: `rs_alarm`
    - Hourly: `rs_alarm_2018_09_25_02`
    - Daily: `rs_alarm_2018_09_25`
    - Weekly: `rs_alarm_2018_39`
    - Monthly: `rs_alarm_2018_09`
    - Yearly: `rs_alarm_2018`



## Tables

These are the settings for the database tables that MQTT Recorder will insert the records into.



## Table Settings

A Table Setting consists of a Table Name and various optional filters.

- **Table Name**
  - The name of the table where records will be inserted. This name can be statically defined or be dynamically build up using the following tokens
    - `${type}` - The Record Type of the record being inserted
    - `${group}` - The Sparkplug Group ID of the record being inserted
    - `${edgenode}` - The Sparkplug Edge Node ID of the record being inserted
    - `${device}` - The Sparkplug Device ID of the record being inserted
    - `${field:<name>}` - The value of any field of the record being inserted where `<name>` is the name of the field
- **Enabled**
  - Whether this Table Setting is enabled
- **Record Type**
  - An optional Record Type to filter on. If specified, only records with this Record Type will be placed in the table.
- **Group ID**
  - An optional Sparkplug Group ID to filter on. If specified, only records with this Group ID will be placed in the table.
- **Edge Node ID**
  - An optional Sparkplug Edge Node ID to filter on. If specified, only records with this Edge Node ID will be placed in the table.
- **Device ID**
  - An optional Sparkplug Device ID to filter on. If specified, only records with this Device ID will be placed in the table.
- **Field Filters**
  - An optional semicolon delimited list of field filters. Each field filter is declared using one of the following forms: `{<field>:<operator>:<value>}`, `{<field>:NULL}`, or `{<field>:NOTNULL}`
    - `<field>` - the name of the field to filter on.
    - `<operator>` - the filter operator. Must be one of the following: `==`, `!=`, `>`, `<`, `>=`, or `<=`
    - `<value>` - the value of the field.
  - Values that contain `'`, `:`, `,`, or `\` characters must have the character escaped with a leading `\` character.
  - Examples:
    - To only insert records that match a "serial\_number" field equal to "0123456" the filter would be: `{serial_number==:0123456}`
    - To only insert records that contain a "temp1" field the filter would be: `{temp1:NOTNULL}`
    - To exclude records that match a "unit\_id" field equal to "112:008:32455" the filter would be: `{unit_id!=:112\:008\:32455}`

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Ignition - Ignition Gateway

localhost:8088/main/web/config/mqttrecorder.settings?16

1:46:24

we're glad you're test driving our software. Have fun!

1.4.0

MQTT Recorder Settings

GeneralTables

Edit Table Setting

Main

Table Name

rs\_{\$(type)}

A table name that supports token substitution for the following: \$(type), \$(group), \$(edgenode), \$(device), and \${field:<name>} where <name> is the name of any potential field of a Record.

Enabled

☒ Whether this table setting is enabled  
(default: true)

Record Type

The type of record to match to the table name

Group ID

A Group ID used for matching (optional)

Edge Node ID

An Edge Node ID used for matching (optional)

Device ID

A Device ID used for matching (optional)

Field Filters

A semicolon delimited list of field filters of the form: {<field>:<operator>:<value>}, {<field>:NULL}, or {<field>:NOTNULL} where operators are one of: ==, !=, >, <, >=, <=, Example: [Field1==test];[Field2<4];[Field3:NULL]. Values that contain ':", ' ', or '\ ' characters must have the character escaped with a \ ' character.

Save Changes