

MR: Python Scripting

The following API calls are available for the MQTT Recorder Module and can be executed within any of the available [Ignition scopes](#).

- [createConfig](#)
- [readConfig](#)
- [updateConfig](#)
- [deleteConfig](#)

APIs

- **system.cirruslink.recorder.createConfig(type, props) void**
 - Parameters
 - Type (str)
 - The type of configuration to create with valid options:
 - "General"
 - "Tables"
 - Map props
 - Dictionary of properties making up the configuration with the following keys and datatypes:
 - General
 - Id (Long)
 - Enabled (bool)
 - Datasource (str)
 - PartitionPeriod (str)
 - Tables
 - Id (long)
 - TableName (str)
 - Enabled (bool)
 - RecordType (str)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
 - Return Value
 - A map representing the newly created configuration after it has been written to the database. (added 4.0.16)
- **system.cirruslink.recorder.readConfig(type) List**
 - Parameters
 - Type(str)
 - The type of configuration to read with valid options:
 - "General"
 - "Tables"
 - Return Value
 - A List of the Dictionaries of properties making up the configurations with the following keys and datatypes:
 - General
 - Id (Long)
 - Enabled (bool)
 - Datasource (str)
 - PartitionPeriod (str)
 - Tables
 - Id (long)
 - TableName (str)
 - Enabled (bool)
 - RecordType (str)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
- **system.cirruslink.recorder.updateConfig(type, id, collisionPolicy, props) void**
 - Parameters
 - Type(str)
 - The type of configuration to update with valid options:
 - "General"
 - "Tables"
 - Id (long)
 - The ID of the record to update
 - collisionPolicy(str)
 - "MergeOverwrite" or "Overwrite"
 - "MergeOverwrite" will replace the existing properties in the record ID with only those included in the call
 - "Overwrite" will replace all properties in the record ID with those in the call
 - Map props

- Dictionary of properties making up the configuration with the following keys and datatypes:
 - General
 - Id (Long)
 - Enabled (bool)
 - Datasource (str)
 - PartitionPeriod (str)
 - Tables
 - Id (long)
 - TableName (str)
 - Enabled (bool)
 - RecordType (str)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
- Return value
 - A map representing the updated configuration after it has been written to the database. (added 4.0.16)
- **system.cirruslink.recorder.deleteConfig(type, id) void**
 - Parameters
 - Type(str)
 - The type of configuration to delete with valid options:
 - "General"
 - "Tables"
 - Id (long)
 - The ID of the record to delete
 - Return value
 - True if the record was successfully deleted otherwise False is returned. (added 4.0.16)