

MD: Python Scripting

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

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

APIs

- **system.cirruslink.distributor.createConfig(type, props) void**
 - Parameters
 - String type
 - The type of configuration to create with valid options:
 - Users
 - Map props
 - Dictionary of properties making up the configuration with the following keys and datatypes:
 - Users
 - Id (long)
 - Username (str)
 - Password (str)
 - ACLs (str)
 - Return Value
 - A map representing the newly created configuration after it has been written to the database. (added 4.0.16)
- **system.cirruslink.distributor.readConfig(type) List**
 - Parameters
 - String type
 - The type of configuration to read with valid options:
 - General
 - Users
 - Return Value
 - A List of Dictionaries of properties making up the configurations with the following keys and datatypes:
 - General
 - Id (long)
 - Enabled (bool)
 - EnableTCP (bool)
 - Port (int)
 - EnableWebsocket (bool)
 - WebsocketPort (int)
 - EnableTLS (bool)
 - SecurePort (int)
 - EnableSecureWebsocket (bool)
 - SecureWebsocketPort (int)
 - AllowAnonymousConnections (bool)
 - Users
 - Id (long)
 - Username (str)
 - Password (str)
 - ACLs (str)
- **system.cirruslink.distributor.updateConfig(type, id, collisionPolicy, props) void**
 - Parameters
 - String type
 - The type of configuration to update with valid options:
 - General
 - Users
 - Long id
 - The ID of the record to update
 - String collisionPolicy
 - "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)
 - EnableTCP (bool)
 - Port (int)

- EnableWebsocket (bool)
 - WebsocketPort (int)
 - EnableTLS (bool)
 - SecurePort (int)
 - EnableSecureWebsocket (bool)
 - SecureWebsocketPort (int)
 - AllowAnonymousConnections (bool)
 - Users
 - Id (long)
 - Username (str)
 - Password (str)
 - ACLs (str)
- Return Value
 - A map representing the updated configuration after it has been written to the database. (added 4.0.16)
- **system.cirruslink.distributor.deleteConfig(type, id) void**
 - Parameters
 - String type
 - The type of configuration to delete with valid options:
 - Users
 - Long id
 - The ID of the record to delete
 - Return Value
 - True if the record was successfully deleted otherwise False is returned (added 4.0.16)