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)