

AZI: Python Scripting

APIs

- `system.cirruslink.azure.createConfig(type, props) void`
 - Parameters
 - String type
 - The type of configuration to create with valid options:
 - Cert Files
 - IoT Hubs
 - IoT Edge
 - Event Hubs
 - Agents
 - Sets
 - Map props
 - Dictionary of properties making up the configuration with the following keys and datatypes:
 - Cert Files
 - Name (str)
 - FileName (str)
 - FileContents (str)
 - Description (str)
 - IoT Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - MqttHostname (str)
 - DeviceId (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - CustomTopicExtension (str)
 - IoT Edge
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - MqttServerUrl (str)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HostnameVerification (bool)
 - MqttHostname (str)
 - DeviceId (str)
 - ModuleIdOption (str) "NONE", "ENVIRONMENT_VARIABLE" or "IGNITION_CONFIG"
 - ModuleId (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - CustomTopicExtension (str)

- Event Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - ConnectionString (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - MaxSize (int)
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - Agents
 - Id (long)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)
 - ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - AzureSetId (long)
 - AutoDiscover (bool)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
 - Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
 - Return Value
 - None
- system.cirruslink.azure.readConfig(type) List**
 - Parameters
 - String type
 - The type of configuration to read with valid options:
 - General
 - Cert Files
 - IoT Hubs
 - IoT Edge
 - Event Hubs
 - Agents
 - Sets
 - Return Value
 - A List of Dictionaries of properties making up the configurations with the following keys and datatypes:
 - General
 - Id (long)
 - Enabled (bool)
 - Cert Files
 - Name (str)
 - FileName (str)
 - FileContents (str)
 - Description (str)
 - IoT Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - MqttHostname (str)
 - DeviceId (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"

- CustomTopicExtension (str)
- IoT Edge
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - MqttServerUrl (str)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HostnameVerification (bool)
 - MqttHostname (str)
 - DeviceId (str)
 - ModuleIdOption (str) "NONE", "ENVIRONMENT_VARIABLE" or "IGNITION_CONFIG"
 - ModuleId (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - CustomTopicExtension (str)
- Event Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - ConnectionString (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - MaxSize (int)
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
- Agents
 - Id (long)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)
 - ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - AzureSetId (long)
 - AutoDiscover (bool)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
- Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
- **system.cirruslink.azure.updateConfig(type, id, collisionPolicy, props) void**
 - Parameters
 - String type
 - The type of configuration to update with valid options:
 - General
 - Cert Files
 - IoT Hubs
 - IoT Edge
 - Event Hubs
 - Agents
 - Sets
 - Long id
 - The ID of the record to update
 - String collisionPolicy
 - Either "MergeOverwrite" or "Overwrite"
 - Map props
 - Dictionary of properties making up the configuration with the following keys and datatypes:

- General
 - Id (long)
 - Enabled (bool)
- Cert Files
 - Name (str)
 - FileName (str)
 - FileContents (str)
 - Description (str)
- IoT Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - MqttHostname (str)
 - DeviceId (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - CustomTopicExtension (str)
- IoT Edge
 - Id (long)
 - Name (str)
 - Enabled (str)
 - Protocol (str) "MQTT"
 - AzureSetId (long)
 - MqttServerUrl (str)
 - CertAuthEnabled (bool)
 - ConnectionString (str)
 - CaCertFileId (long)
 - ClientCertFileId (long)
 - ClientPrivateKeyFileId (long)
 - ClientKeyPassword (str)
 - HostnameVerification (bool)
 - MqttHostname (str)
 - DeviceId (str)
 - ModuleIdOption (str) "NONE", "ENVIRONMENT_VARIABLE" or "IGNITION_CONFIG"
 - ModuleId (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (long)
 - ContentType (str) "NONE" or "APPLICATION_JSON"
 - ContentEncoding (str) "NONE", "UTF_8", "UTF_16", or "UTF_32"
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
 - CustomTopicExtension (str)
- Event Hubs
 - Id (long)
 - Name (str)
 - Enabled (str)
 - ConnectionString (str)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory"
 - MessageCapacity (int)
 - FlushPeriod (long)
 - MaxSize (int)
 - AzureDateTimeFormat (str) "LONG_MS_SINCE_EPOCH" or "STRING_AZURE_COMPAT"
- Agents
 - Id (long)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)

- ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - AzureSetId (long)
 - AutoDiscover (bool)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
 - Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
- Return Value
 - None
- **system.cirruslink.azure.deleteConfig(type, id) void**
 - Parameters
 - String type
 - The type of configuration to delete with valid options:
 - Cert Files
 - IoT Hubs
 - IoT Edge
 - Event Hubs
 - Agents
 - Sets
 - Long id
 - The ID of the record to delete
 - Return Value
 - None