

GCI: Python Scripting

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

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

APIs

- **system.cirruslink.gcp.cloud.createConfig(type, props) void**
 - Parameters
 - String type
 - The type of configuration to create with valid options:
 - Cloud IoT Core
 - Sets
 - Agents
 - Map props
 - Dictionary of properties making up the configuration with the following keys and datatypes:
 - Cloud IoT Core
 - Id (Long)
 - Name (str)
 - Enabled (bool)
 - ProjectId (str)
 - CloudRegion (str)
 - RegistryId (str)
 - DeviceId (str)
 - PrivateKeyFileContents (str)
 - Algorithm (str) "RS256" or "ES256"
 - GoogleCloudSetId (long)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory" or "Disk_Backed" (added 4.0.17)
 - MessageCapacity (int)(deprecated 4.0.19)
 - HistoryMaxAge (int)(added 4.0.19)
 - FlushPeriod (long)
 - ProxyType (str) "NONE", "HTTP" or "HTTPS"
 - ProxyHostname (str)
 - ProxyPort (int)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (int)
 - Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
 - Agents
 - Id (long)
 - Name (str) (added 4.0.17)
 - Enabled (bool) (added 4.0.17)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)
 - ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - GoogleCloudSetId (long)
 - 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.gcp.cloud.readConfig(type) List**
 - Parameters
 - String type
 - The type of configuration to read with valid options:
 - General
 - Cloud IoT Core
 - Sets
 - Agents

- Return Value
 - A List of the Dictionaries of properties making up the configurations with the following keys and datatypes:
 - General
 - Id (long)
 - Enabled (bool)
 - Cloud IoT Core
 - Name (str)
 - Enabled (bool)
 - ProjectId (str)
 - CloudRegion (str)
 - RegistryId (str)
 - DeviceId (str)
 - PrivateKeyFileContents (str)
 - Algoritm (str) "RS256" or "ES256"
 - GoogleCloudSetId (long)
 - HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory" or "Disk_Backed" (added 4.0.17)
 - MessageCapacity (int)(deprecated 4.0.19)
 - HistoryMaxAge (int)(added 4.0.19)
 - FlushPeriod (long)
 - ProxyType (str) "NONE", "HTTP", "HTTPS"
 - ProxyHostname (str)
 - ProxyPort (int)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (int)
 - Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
 - Agents
 - Id (long)
 - Name (str) (added 4.0.17)
 - Enabled (bool) (added 4.0.17)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)
 - ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - GoogleCloudSetId (long)
 - GroupId (str)
 - EdgeNodeId (str)
 - DeviceId (str)
 - FilteredProperties (str)
- **system.cirruslink.gcp.cloud.updateConfig(type, id, collisionPolicy, props) void**
 - Parameters
 - String type
 - The type of configuration to update with valid options:
 - General
 - Cloud IoT Core
 - Sets
 - Agents
 - 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)
 - Cloud IoT Core
 - Name (str)
 - Enabled (bool)
 - ProjectId (str)
 - CloudRegion (str)
 - RegsitryId (str)
 - DeviceId (str)
 - PrivateKeyFileContents (str)
 - Algoritm (str) "RS256" or "ES256"
 - GoogleCloudSetId (long)

- HistoryEnabled (bool)
 - HistoryStoreType (str) "In_Memory" or "Disk_Backed" (added 4.0.17)
 - MessageCapacity (int)(deprecated 4.0.19)
 - HistoryMaxAge (int)(added 4.0.19)
 - FlushPeriod (long)
 - ProxyType (str) "NONE", "HTTP" or "HTTPS"
 - ProxyHostname (str)
 - ProxyPort (int)
 - KeepAlive (int)
 - MaxSize (int)
 - Expiration (int)
 - Sets
 - Id (long)
 - Name (str)
 - Description (str)
 - PushPolicy (str) "PUSH_TO_ALL" or "PUSH_TO_ANY"
 - Agents
 - Id (long)
 - Name (str) (added 4.0.17)
 - Enabled (bool) (added 4.0.17)
 - TagProvider (str)
 - TagPath (str)
 - PushTrigger (str) "EVENT_DRIVEN" or "PERIODIC"
 - TagPacingPeriod (long)
 - ConvertUdts (bool)
 - PublishUdtDefinitions (bool)
 - OptimizeUdts (bool)
 - GoogleCloudSetId (long)
 - 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.gcp.cloud.deleteConfig(type, id) void**
 - Parameters
 - String type
 - The type of configuration to delete with valid options:
 - Cloud IoT Core
 - Sets
 - Agents
 - 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)