

13.0 Entity Type APIs

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13.1 Query Entity Types

Retrieve entity types by query. There are two kinds of queries supported:

1. Retrieve a single entityType. Retrieves exactly one entityType wrapped XML <entityType> element
2. Retrieve one or more entity types . Retrieves 1..n entity type objects wrapped by an XML <entityTypes> collection

13.2 Method: GET Entity Types

[GET /api/entitytypes?query=\(query criteria see below\)](#)

13.3 Method: GET a single Entity Type by unique entity type name

[GET /api/entitytypes/{entityTypeName}](#)

13.4 HTTP Query and Path Parameters

Field	Type	Description	Required
query	Query	An encoded query string (where clause)	no **
first	Query	Paging. First record to start from	no
count	Query	Paging. Number of records to include when paging	no
entityTypeName	Path	the unique name of the entity type	no **

Note: **If neither a entityType path parameter or query query parameter is not provided, all entityTypes will be retrieved.

13.5 HTTP Headers

Header	Valid Values	Required
Content-Type	application/xml or application/json	True
GWOS-API-TOKEN	a valid token returned from login	True
GWOS-APP-NAME	your application name	True

13.6 Query Fields

Field	Description	Alias
id	Entity Type integer id	entityTypeid
name	The entity type primary unique name	
description	The description of this property type	
isLogicalEntity	Boolean flag set if a logical entity	
applicationTypeSupported	Boolean flag for application type support	

Note: Query fields are case-insensitive, thus camelCase, or all lower case will both work fine.

***The fields entity

13.7 Example Queries

These examples are not HTTP encoded for readability. In practice queries must be encoded.

1. query for all entity types
[GET /api/entitytypes](#)
2. query for all entity types, order by name descending
[GET /api/entitytypes?query=order by name desc](#)
3. query for a single entityType named 'DEVICE'
[GET /api/entitytypes/DEVICE](#)
4. a like query to find all entity types in list
[GET /api/entitytypes?query=name in \('DEVICE','HOST','CATEGORY'\)](#)

Example Query Results in XML

The normal results of a query will result in either HTTP 200 OK status or a HTTP 404 NOT FOUND status.

Results of requesting a single entity with a entityType name in the path parameter is always wrapped with a single <entityType> element. Here is an XML example of the result of a query finding one entity type. All fields are displayed as attributes.

```
<entityType id="15" name="STATE_TYPE"
  description="com.groundwork.collage.model.impl.StateType"
  isLogicalEntity="false" applicationTypeSupported="false" />
```

Result of queries are always wrapped in a <propertyTypes> collection element, with one or more <propertyType> subelements.

```
<entityTypes>
  <entityType id="7" name="APPLICATION_TYPE"
    description="com.groundwork.collage.model.impl.ApplicationType"
    isLogicalEntity="false" applicationTypeSupported="false" />
  <entityType id="8" name="CATEGORY"
    description="com.groundwork.collage.model.impl.Category"
    isLogicalEntity="false" applicationTypeSupported="false" />
  <entityType id="9" name="CHECK_TYPE"
    description="com.groundwork.collage.model.impl.CheckType"
    isLogicalEntity="false" applicationTypeSupported="false" />
  <entityType id="10" name="COMPONENT"
    description="com.groundwork.collage.model.impl.Component"
    isLogicalEntity="false" applicationTypeSupported="false" />
</entityTypes>
```

See [Appendix A](#) for examples of usage with Curl

See [Appendix B](#) and [Appendix C](#) for example query data in both XML and JSON:
Response Data - [XML](#) - [JSON](#)