Connection Subgroups

You can obtain all the details you need for the connection subgroups in a specified catalog.

Request

The user account used for making this request should have the Manage Data Warehouses permission; for example, organization administrator or super user. For details, see Creating and Editing Roles.

A query for connection subgroups must include the following:

- The SELECT statement must start with one or more connection subgroup parameters (comma separated).
- After the parameters you must provide the following data source: `FROM $system.DBSCHEMA_CONNECTION_SUBGROUPS`

You can request the following connection subgroup parameters:

- CONNECTOR_TYPE
- DATABASE
- EXTRA_JDBC_FLAGS
- GROUP_ID
- HOSTS
- ID
- IS_KERBEROS_CLIENT_ENABLED
- MANAGEMENT_CONSOLE_URL
- NAME
- PORT
- QUERY_ROLES
- USERNAME

For details about the parameter types, see the `xsd:schema` element in the sample response provided below.

Response

The response contains a `<row>` element for each connection subgroup in the specified catalog. Each of these elements contains the values of the requested parameters.

Sample Request

The example here shows how to make a request with the `curl` tool:

- ▲ The requested data are subgroup's name (NAME), the connector type (CONNECTOR_TYPE), and extra JDBC flags (EXTRA_JDBC_FLAGS).
- ▲ The request is for the connection subgroups in the Sales Insights catalog.
- ▲ The token is obtained in advance.
- ▲ The query is for the default organization.
- ▲ The address of the AtScale system is: http://example.com:10502/xmla/default

The XML part of the request is as follows:

```xml
<?xml version="1.0"?>
<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
 <Body>
  <Execute xmlns="urn:schemas-microsoft-com:xml-analysis">
   <Command>
    <Statement>SELECT CONNECTOR_TYPE, EXTRA_JDBC_FLAGS, NAME FROM
$system.DBSCHEMA_CONNECTION_SUBGROUPS</Statement>
   </Command>
   <Properties>
    <PropertyList>
     <Catalog>Sales Insights</Catalog>
    </PropertyList>
   </Properties>
  </Execute>
 </Body>
</Envelope>
```

Here is the full form of the curl request:

```
curl -X POST \
-H "Authorization:Bearer $token" -H 'Content-Type: application/xml' \
-d '<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">\
<Body><Execute xmlns="urn:schemas-microsoft-com:xml-analysis">\
 <Command>\
  <Statement>SELECT CONNECTOR_TYPE, EXTRA_JDBC_FLAGS, NAME FROM
$system.DBSCHEMA_CONNECTION_SUBGROUPS</Statement>\
 </Command>\
 <Properties><PropertyList>\
  <Catalog>Sales Insights</Catalog>\
 </PropertyList></Properties>\
</Execute></Body></Envelope>' \
http://example.com:10502/xmla/default
```

Sample Response

The response for the sample request above contains `<row>` elements for each connection subgroup found. As requested, each of these elements contains only subgroup's name, the connector type, and extra JDBC flags:

```
<row>
 <CONNECTOR_TYPE>mssql</CONNECTOR_TYPE>
 <EXTRA_JDBC_FLAGS>;encrypt=true;trustServerCertificate=true</EXTRA_JDBC_FLAGS>
 <NAME>MSSQL</NAME>
</row>
```

Here is the full response:

```
<?xml version="1.0"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <soap:Header>
   <as:queryId xmlns:as="http://xsd.atscale.com/soap_v1" soap:mustUnderstand="0">5b628d4c-722e-4bac-a724-0b64a2ff4fd7</as:queryId>
 </soap:Header>
 <soap:Body>
   <ExecuteResponse xmlns="urn:schemas-microsoft-com:xml-analysis">
    <return>
     <root xmlns="urn:schemas-microsoft-com:xml-analysis:rowset" xmlns:msxmla="http://schemas.microsoft.com/analysisservices/2003/xmla" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
       <xsd:schema xmlns:sql="urn:schemas-microsoft-com:xml-sql" targetNamespace="urn:schemas-microsoft-com:xml-analysis:rowset" elementFormDefault="qualified">
         <xsd:element name="root">
          <xsd:complexType>
            <xsd:sequence minOccurs="0" maxOccurs="unbounded">
             <xsd:element name="row" type="row"/>
            </xsd:sequence>
          </xsd:complexType>
         </xsd:element>
         <xsd:simpleType name="uuid">
          <xsd:restriction base="xsd:string">
            <xsd:pattern value="[0-9a-zA-Z]{8}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{12}"/>
          </xsd:restriction>
         </xsd:simpleType>
         <xsd:complexType name="xmlDocument">
          <xsd:sequence>
            <xsd:any/>
          </xsd:sequence>
         </xsd:complexType>
         <xsd:complexType name="row">
          <xsd:sequence>
            <xsd:element sql:field="CONNECTOR_TYPE" name="CONNECTOR_TYPE" type="xsd:string" minOccurs="0"/>
            <xsd:element sql:field="EXTRA_JDBC_FLAGS" name="EXTRA_JDBC_FLAGS" type="xsd:string" minOccurs="0"/>
            <xsd:element sql:field="NAME" name="NAME" type="xsd:string" minOccurs="0"/>
          </xsd:sequence>
         </xsd:complexType>
       </xsd:schema>
       <row>
         <CONNECTOR_TYPE>mssql</CONNECTOR_TYPE>
         <EXTRA_JDBC_FLAGS>;encrypt=true;trustServerCertificate=true</EXTRA_JDBC_FLAGS>
         <NAME>MSSQL</NAME>
       </row>
     </root>
    </return>
   </ExecuteResponse>
 </soap:Body>
</soap:Envelope>
```

More Information

- ▲ Request reference - how to make requests to the Data Catalog API.
- ▲ Response reference - how to receive and process responses from the Data Catalog API.