

4 - LexEVS 6.x Data Grid Service API (Deprecated -- Removed in 6.3)

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Introduction

The Data Grid Service is based on the caGrid Data Service and allows programmers to pull data from the system (a target instance of LexEVS on the grid) based on queries that they write. These queries are sent in the form of CQL. The results are SOAP messages, which contain LexGrid XML.

The LexEVS Data Grid Service is a standard caGrid Data service based on the [LexEVS 2010 Model](#).

For complete documentation on caGrid Data Services, see [caGrid Data Service Documentation](#).



Grid services are no longer supported

As of LexEVS 6.2 Grid Services are no longer supported

Querying the System

To query the LexEVS Data Grid Service, use the standard caGrid CQL query method to compose queries. See [caGrid Data Service API Documentation](#) for more information.

Example LexEVS queries follow.

Query for a Concept with a Specific Code

- Example: Concept: C12345

Java Code Snippet

```
<CQLQuery xmlns="http://CQL.caBIG/1/gov.nih.nci.cagrid.CQLQuery">
  <Target name="org.LexGrid.concepts.Concept">
    <Attribute name="_entityCode" value="C12345" predicate="EQUAL_TO"/>
  </Target>
</CQLQuery>
```

Query for a Concept with a Specific Presentation Text

- Example: A concept with a namespace 'SNOMED Clinical Terms' that contains a Presentation equal to 'Heart.'

Java Code Snippet

```
<ns1:CQLQuery xmlns:ns1="http://CQL.caBIG/1/gov.nih.nci.cagrid.CQLQuery">
  <ns1:Target name="org.LexGrid.concepts.Entity">
    <ns1:Group logicRelation="AND">
      <ns1:Association name="org.LexGrid.concepts.Presentation" roleName="_presentationList">
        <ns1:Group logicRelation="AND">
          <ns1:Association name="org.LexGrid.commonTypes.Text" roleName="_value">
            <ns1:Group logicRelation="AND">
              <ns1:Attribute name="_content" predicate="EQUAL_TO" value="Heart"/>
            </ns1:Group>
          </ns1:Association>
        </ns1:Group>
      </ns1:Association>
    </ns1:Group>
    <ns1:Association>
      <ns1:Attribute name="_entityCodeNamespace" predicate="EQUAL_TO" value="SNOMED Clinical Terms"
/>
    </ns1:Group>
  </ns1:Target>
</ns1:CQLQuery>
```

Restrict Results to Specific Attributes

- Example: Retrieve all of the 'localIds' of any 'SupportedAssociation' in the system.

Java Code Snippet

```
<ns1:CQLQuery xmlns:ns1="http://CQL.caBIG/1/gov.nih.nci.cagrid.CQLQuery">
  <ns1:Target name="org.LexGrid.naming.SupportedAssociation"/>
  <ns1:QueryModifier countOnly="false">
    <ns1:DistinctAttribute>_localId</ns1:DistinctAttribute>
  </ns1:QueryModifier>
</ns1:CQLQuery>
```