



Home

Knowledge Centers

Discussion Forums

Bugs/Feature Requests

Development Code

Repository

page

discussion

view source

history

LexEVS 5.x Data Grid Service API

[LexEVS 5.x Value Domain Service](#) > [LexEVS 5.x Pick List Service](#) > [LexEVS 5.x caCORE Data Service API](#) > [LexEVS 5.x Analytical Grid Service API](#) > [LexEVS 5.x Data Grid Service API](#)

Contents [hide]

- 1 Introduction
- 2 Querying The System
 - 2.1 Query for a Concept with a specific Code
 - 2.2 Query for a Concept with a specific Presentation Text
 - 2.3 Restrict Results to Specific Attributes

Introduction

This document is a section of the [Programmer's Guide](#).

The LexEVS Data Grid Service is a standard caGrid Data service based on the [LexEVS 2009 Model](#)

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

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

```
<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'

```
<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.

```
<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>
```

vocabkc contents

- Main Page
- What's New
- Forums
- Bugzilla
- Code Repository
- Feedback
- Contact Us

tools

- LexBIG/LexEVS
- LexWiki
- NCI Protégé
- Related Tools and Models

projects

- LexAjax
- LexGrid
- Cancer Data Standards Repository (caDSR)
- Common Terminology Criteria for Adverse Events (CTCAE)
- Open Health Natural Language Processing (OHNLP) Consortium
- Ontology Development and Information Extraction (ODIE)

semantic infrastructure

- SI Main Page
- Initiatives
- Requirements

other resources

- Library of Documents
- Documentation and Training for Tools
- Index of Terminologies
- Standards and Standards Influencing Organizations
- Outreach

external links

- VCDE Workspace
- caBIG@ Community Website
- caBIG@ Support Service Providers

help

- Editing Wiki Pages

- [Editing Forum Posts](#)
- [Contact Us](#)

</ns1:CQLQuery>

search

[Categories: VKC Contents](#) | [Documentation](#) | [LexEVS Code](#) | [LexEVS](#)

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)
- [Print as PDF](#)

This page was last modified on 20 January 2010, at 15:24. This page has been accessed 154 times.

[CONTACT US](#) | [PRIVACY NOTICE](#) | [DISCLAIMER](#) | [ACCESSIBILITY](#) | [APPLICATION SUPPORT](#)

