SDK 4.3 Extended Query Processor

Includes:

* Sort Limit Extension

Instructions

1. Run “ant jar” command from root of project directory to create “<SDK4.3\_project\_root>/build/jars/CustomQueryProcessor.jar”
2. Copy the “CustomQueryProcessor.jar” into the “<grid\_service\_root>/lib” directory of your service.
3. Copy the extension schema “<SDK4.3\_project\_root>/schemas/CQLQueryModiferExtension.xsd” into your Grid Service schema directory: “<grid\_service\_root>/schema/<grid\_service\_name>”.
4. Edit the line “cql2QueryProcessorClass” in your Grid Service “service.properties” file. Update the file to read: cql2QueryProcessorClass=org.cagrid.sdkquery43.extension.processor.CustomQueryProcessor

\*\*\*make sure to change cql2 property, but not the cql property\*\*\*

1. Deploy the service.

XML Examples:

Object Query w/Sort

<cql2:CQLQuery xmlns:cql2="http://CQL.caBIG/2/org.cagrid.cql2">

<cql2:CQLTargetObject className="gov.nih.nci.cacoresdk.domain.onetoone.unidirectional.withjoin.Bag"/>

<cql2:CQLQueryModifier>

<cql2:ModifierExtension>

<ext:SortLimitExtension xmlns:ext="http://CQL.caBIG/2/org.cagrid.cql2.extras">

<ext:Sort attributeName="style" order="desc" />

</ext:SortLimitExtension>

</cql2:ModifierExtension>

</cql2:CQLQueryModifier>

</cql2:CQLQuery>

Named Attribute Query w/Sort

<cql2:CQLQuery xmlns:cql2="http://CQL.caBIG/2/org.cagrid.cql2">

<cql2:CQLTargetObject className="gov.nih.nci.cacoresdk.domain.manytomany.unidirectional.Author"/>

<cql2:CQLQueryModifier>

<cql2:ModifierExtension>

<cql2:SortLimitExtension xmlns:ext="http://CQL.caBIG/2/org.cagrid.cql2.extras">

<cql2:NamedAttribute attributeName="id"/>

<cql2:NamedAttribute attributeName="name"/>

<cql2:Sort attributeName="name" order="asc" />

</cql2:SortLimitExtension>

</cql2:ModifierExtension>

</cql2:CQLQueryModifier>

</cql2:CQLQuery>

Distint Query w/Sort

<cql2:CQLQuery xmlns:cql2="http://CQL.caBIG/2/org.cagrid.cql2">

<cql2:CQLTargetObject className="gov.nih.nci.cacoresdk.domain.onetoone.multipleassociation.Parent"/>

<cql2:CQLQueryModifier>

<cql2:ModifierExtension>

<cql2:SortLimitExtension xmlns:cql2="http://CQL.caBIG/2/org.cagrid.cql2.extras">

<cql2:Sort attributeName="name" order="desc" />

<cql2:DistinctAttribute attributeName="name" />

</cql2:SortLimitExtension>

</cql2:ModifierExtension>

</cql2:CQLQueryModifier>

</cql2:CQLQuery>