

SEEK - Bug #2649

Ecogrid returnfields don't return enough information

11/08/2006 10:21 AM - Chad Berkley

Status:	New	Start date:	11/08/2006
Priority:	Immediate	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	ecogrid	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	2649		

Description

When using returnfields in an ecogrid query, the original xpath used in the returnfield is not returned with the results, making it very difficult to parse the results. When a query is submitted, a ResultsetTypeRecordReturnfield object is returned. This object only has two useful methods: get_value() and getId(). I thought getId() would return the original xpath query used to create the returnfield, but instead it returns a cryptic identifier starting with 'f' then a number.

Example:

Given these returnfields:

```
<returnField>/entity/@name</returnField>
<returnField>/entity/property/@name</returnField>
<returnField>/entity/property/@value</returnField>
```

And this input document:

```
<entity name="Variable Setter" class="ptolemy.kernel.ComponentEntity">
  <property name="entityId" value="urn:lsid:kepler-project.org:actor:10:2"
  class="org.kepler.moml.NamedObjId"/>
  <property name="documentation" class="org.kepler.moml.DocumentationAttribute">
    null
  </property>

  &lt;property name="class" value="ptolemy.actor.lib.SetVariable"
    class="ptolemy.kernel.util.StringAttribute">
    &lt;property name="id" value="null"
      class="ptolemy.kernel.util.StringAttribute"/>
    &lt;/property&gt;

  &lt;property name="kepler:input" class="org.kepler.moml.PortAttribute"&gt;
    &lt;property name="direction" value="input"
      class="ptolemy.kernel.util.StringAttribute"/>
    &lt;property name="dataType" value="unknown"
      class="ptolemy.kernel.util.StringAttribute"/>
    &lt;property name="isMultiport" value="false"
      class="ptolemy.kernel.util.StringAttribute"/>
    &lt;/property&gt;

  &lt;property name="variableName" class="ptolemy.kernel.util.StringAttribute"
    value="parameter">
    &lt;/property&gt;
    &lt;property name="delayed" class="ptolemy.data.expr.Parameter" value="true"&gt;
    &lt;/property&gt;
    &lt;property name="semanticType000" class="org.kepler.sms.SemanticType"
      value="urn:lsid:localhost:onto:1:1#Variable">
    &lt;/property&gt;
    &lt;property name="semanticType111" class="org.kepler.sms.SemanticType"
      value="urn:lsid:localhost:onto:2:1#LocalInput">
    &lt;/property&gt;
    &lt;property name="_location" class="ptolemy.kernel.util.Location"
      value="{250, 300}">
    &lt;/property&gt;
    &lt;property name="karId" class="ptolemy.kernel.util.StringAttribute"
      value="urn:lsid:kepler-project.org:kar:11:1">
```

```
</property>  
</entity>
```

You will get returnfields (in the format getId():get_value()) like this:

```
returnfield: f0:Variable Setter  
returnfield: f1:entityId  
returnfield: f2:urn:lsid:kepler-project.org:actor:10:2  
returnfield: f1:documentation  
returnfield: f1:class  
returnfield: f2:ptolemy.actor.lib.SetVariable  
returnfield: f1:kepler:input  
returnfield: f1:variableName  
returnfield: f2:parameter  
returnfield: f1:delayed  
returnfield: f2:true  
returnfield: f1:semanticType000  
returnfield: f2:urn:lsid:localhost:onto:1:1#Variable  
returnfield: f1:semanticType111  
returnfield: f2:urn:lsid:localhost:onto:2:1#LocalInput  
returnfield: f1:_location  
returnfield: f2:{250, 300}  
returnfield: f1:karId  
returnfield: f2:urn:lsid:kepler-project.org:kar:11:1
```

Instead, there either needs to be a new method, getQuery(), that would return the query for each field, or the getId() should return the query or some other more meaningful identifier.

Related issues:

Blocked by SEEK - Bug #2650: ecogrid returnfields need to support more xpath

New

11/08/2006

History

#1 - 03/27/2013 02:20 PM - Redmine Admin

Original Bugzilla ID was 2649