

APPENDIX B - Samples and Resources

In this Appendix you will find the following samples:

- [#Custom QUERY Datastream](#)
- [Custom COLLECTION_VIEW Datastream](#)
- [#Custom Request Handler](#)
- [XACML Policy \(CHILD_SECURITY Datastream\)](#)
- [#Sample XML Form Definition](#)

If you notice any errors or omissions, or would like to see another sample in this appendix, please submit a request on the users list, or to islandora@upei.ca.

Custom QUERY Datastream

Here is a custom QUERY Datastream that returns objects that belong to a particular collection, and are set to a particular state (active)

```
select $object $title from <#ri>
where ($object <dc:title> $title
and $object <fedora-model:hasModel> $content
and $object <fedora-rels-ext:isMemberOfCollection> <info:fedora/demo:special_collection>
and $object <fedora-model:state> <info:fedora/fedora-system:def/model#Active>)
order by $title desc
```

Custom COLLECTION_VIEW Datastream

Here is a sample COLLECTION_VIEW Datastream that will render your content as a bulleted list.

```
<xsl:stylesheet xmlns:s="http://www.w3.org/2001/sw/DataAccess/rf1/result" xmlns:xsl="http://www.w3.org/1999/XSL
/Transform" version="1.0">
  <xsl:template match="/">
    <xsl:variable name="BASEURL">
      <xsl:value-of select="$baseUrl"></xsl:value-of>
    </xsl:variable>
    <ul>
      <xsl:for-each select="/s:sparql/s:results/s:result">
        <xsl:variable name="pid" select="substring-after(s:object/@uri,&apos;/&apos;)"></xsl:variable>
        <li>
          <a>
            <xsl:attribute name="href">
              <xsl:value-of select="$BASEURL"></xsl:value-of>
              <xsl:text>/fedora/repository/</xsl:text>
              <xsl:value-of select="$pid"></xsl:value-of>/-/ <xsl:value-of select="$pid"></xsl:value-of>
            </xsl:attribute>
            <xsl:value-of select="s:title"></xsl:value-of>
          </a>
        </li>
      </xsl:for-each>
    </ul>
  </xsl:template>
</xsl:stylesheet>
```

Custom Request Handler

Here is a Custom Request Handler

```

<requestHandler name="RefWorks Site"><\!-\- default values for query parameters
<lst name="defaults">
<str name="echoParams">explicit</str>
<str name="qf">
dc.title^2.5 refworks.k1^1.5 refworks.a1^5.0 refworks.u2^5.0 refworks.u1^5.0 dc.contributor^5.0 dc.source^1.0
collection^2.0 PID^0.5
refworks.ab^2.0</str>
<str name="f1">

PID, refworks.a1, refworks.a2, refworks.ar, refworks.k1, refworks.ed, refworks.fd, refworks.jf, refworks.ab,
refworks.no, refworks.is,

refworks.op, refworks.pp, refworks.pb, refworks.sp, refworks.rt, refworks.t1, refworks.t2, refworks.vo,
refworks.yr</str>
<str name="q.alt">*:*</str></lst><lst name="appends"><str name="fq"> PID:cyclt\* </str></lst>

</requestHandler>

```

XACML Policy (CHILD_SECURITY Datastream)

```

<Policy xmlns="urn:oasis:names:tc:xacml:1.0:policy" PolicyId="ViewAndEditByUserOrRoleOnly" RuleCombiningAlgId="
urn:oasis:names:tc:xacml:1.0:rule-combining-algorithm:first-applicable">

<Description>This is an object-specific policy. It could be stored inside the digital object in the POLICY
datastream OR in the directory for object-specific policies. (The directory location is set in the
Authorization module configuration in the Fedora server configuration file (fedora.fcfig). By using multiple
policy Rules, this policy shows how to deny access to all raw datastreams in the object except to particular
users (e.g., the object owners). It also shows how to deny access to a particular disseminations to selected
user roles.</Description>
<Target>

<Subjects>
<AnySubject></AnySubject>
</Subjects>

<Resources>
<AnyResource></AnyResource>
</Resources>

<Actions>
<AnyAction></AnyAction>
</Actions>
</Target>

<Rule RuleId="denyapi-m-except-to-user" Effect="Deny">

<Condition FunctionId="urn:oasis:names:tc:xacml:1.0:function:not">
<Apply FunctionId="urn:oasis:names:tc:xacml:1.0:function:or">
<Apply FunctionId="urn:oasis:names:tc:xacml:1.0:function:string-at-least-one-member-of">
<SubjectAttributeDesignator AttributeId="fedoraRole" DataType="http://www.w3.org/2001/XMLSchema#string"
MustBePresent="false"></SubjectAttributeDesignator>
<Apply FunctionId="urn:oasis:names:tc:xacml:1.0:function:string-bag">

<AttributeValue DataType="http://www.w3.org/2001/XMLSchema#string">administrator</AttributeValue>

<AttributeValue DataType="http://www.w3.org/2001/XMLSchema#string">Any Drupal Role

</AttributeValue>
</Apply>
</Apply>
<Apply FunctionId="urn:oasis:names:tc:xacml:1.0:function:string-at-least-one-member-of">
<SubjectAttributeDesignator AttributeId="urn:fedora:names:fedora:2.1:subject:loginId" MustBePresent="false"
DataType="http://www.w3.org/2001/XMLSchema#string"></SubjectAttributeDesignator>
<Apply FunctionId="urn:oasis:names:tc:xacml:1.0:function:string-bag">
<AttributeValue DataType="http://www.w3.org/2001/XMLSchema#string">fedoraAdmin</AttributeValue>
</Apply>
</Apply>
</Apply>
</Condition>

</Rule>

<Rule RuleId="3" Effect="Permit"></Rule>

</Policy>

```

Sample XML Form Definition

```

<definition xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="
/XMLFormDefinition.xsd">
<properties>
<document>

<root>
<local_name>root</local_name>
<prefix>prefix</prefix>
<uri>http://localhost</uri>

```

```

</root>

<namespaces>
<namespace prefix="xsi">http://www.w3.org/2001/XMLSchema-instance</namespace>
<namespace prefix="xmlns">http://www.w3.org/2000/xmlns</namespace>
</namespaces>

<schema>http://localhost/schema/schema.xsd</schema>

</document>
</properties>

<form>
<properties>
<type>form</type>
<tree>true</tree>
</properties>

<children>
<element name="first">
<properties>
<title>first</title>
<type>fieldset</type>
<actions>
<create>
<path>/root/</path>
<context>document</context>
<schema>/xsd:schema/xsd:complexType\[@name='rootType']/xsd:sequence/xsd:element\[@ref='first'\]</schema>
<type>element</type>
<value>first</value>
</create>

<read>
<path>/root/first</path>
<context>document</context>
</read>
</actions>
</properties>

<children>
<element name="second">
<properties>
<title>second</title>
<type>textfield</type>
<actions>
<create>
<path>self::node()</path>
<context>parent</context>
<schema>/xsd:schema/xsd:complexType\[@name='rootType']/xsd:sequence/xsd:element\[@ref='second'\]</schema>
<type>element</type>
<value>second</value>
</create>

<read>
<path>second</path>
<context>parent</context>
</read>
</actions>
</properties>
</element>
</children>
</element>

<element name="submit">
<properties>
<type>submit</type>
<value>Submit</value>
</properties>
</element>
</children>
</form>

```

</definition>