

## APPENDIX B - SAMPLES & 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](mailto: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/rfl/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;/'></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="fl">

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:cyc<
t\* </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>
```