

## Metacat - Bug #280

### provide support for multiple UI styles in metacat

09/14/2001 01:26 PM - Matt Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	09/14/2001
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Matt Jones	<b>% Done:</b>	0%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release1.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	280		

#### Description

Metacat currently allows a mapping between one document type to a particular stylesheet for HTML transformation. We want to be able to use the same metacat instance for presenting multiple user interface perspectives, like a KNB interface, an NRS interface, and a OBFS interface.

Proposed solution: remove all references to XSL stylesheets from the xml\_catalog table, and instead provide this information in a series of metacat configuration files, which I will call a "style set". Each style set will have a name, and will specify the mapping between a particular document type and the stylesheet that should be used to transform that type into HTML. It will also provide a default style in case there isn't an exact match. The main metacat.properties file will have a property that indicates which user interface style is the default. In addition, the semantics of the qformat parameter to metacat will be extended, so that the name of a style set can be provided in qformat, and that name will then determine the set of style sheets to use.

This change will allow a single metacat instance to display multiple user interfaces.

The style set configuration file might be something like this:

```
<?xml version="1.0"?>
<style-set name="knb">
<default-style>file://styles/generic-style.xsl</default-style>
<stylesheet src="file://styles/dataset.xsl">
<doctype>--NCEAS/eml-dataset-2.0//EN</doctype>
<doctype>--NCEAS/eml-dataset//EN</doctype>
<doctype>--NCEAS/eml-resource//EN</doctype>
</stylesheet>
<stylesheet src="file://styles/access.xsl">
<doctype>--NCEAS/eml-access-2.0//EN</doctype>
</stylesheet>
</style-set>
```

and would be found in a file named "knb.xml" in xmltodb/lib.

#### History

##### #1 - 09/14/2001 02:23 PM - Matt Jones

This format doesn't support non-html transforms. In order for the target doctype to also be specified, we could try something like:

```
<?xml version="1.0"?>
<style-set name="knb">
<default-style>file://styles/generic-style.xsl</default-style>
<doctype publicid="--NCEAS/eml-dataset-2.0//EN">
<target publicid="--HTML//EN">file://styles/dataset.xsl</target>
</doctype>
<doctype publicid="--NCEAS/eml-dataset//EN">
<target publicid="--HTML//EN">file://styles/dataset.xsl</target>
</doctype>
<doctype publicid="--NCEAS/eml-resource//EN">
<target publicid="--HTML//EN">file://styles/dataset.xsl</target>
</doctype>
```

```
<doctype publicid="-//NCEAS//eml-access-2.0//EN">
<target publicid="-//HTML//EN">file://styles/access.xsl</target>
</doctype>
</style-set>
```

**#2 - 09/14/2001 04:45 PM - Matt Jones**

Implemented. Need to update stylesheets to set the qformat parameter properly, but otherwise this is finished.

**#3 - 09/25/2001 05:41 PM - Matt Jones**

Need to implement a "generic" stylesheet for the case when no specific one is available. Otherwise, completed.

**#4 - 10/19/2001 08:48 PM - Matt Jones**

Added a new generic style sheet called "ascii-treeview.xsl" that can format any XML document into an ascii-art tree for display. This is now used as the default html transform in both knb.xml and nrs.xml when a more specific transformation for a document type has not been provided. I also checked in a 'generic.xsl' stylesheet that tries to do the same thing but in a tabular form -- it is not complete, but it is there if someone wants to work through the issues.

RESOLVED FIXED.

**#5 - 03/27/2013 02:13 PM - Redmine Admin**

Original Bugzilla ID was 280