

## Metacat - Bug #1012

### Need to allow metacat admin to set default mime type

03/18/2003 10:28 PM - Chris Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	03/18/2003
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.3	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	1012		
<b>Description</b>			
<p>the metacat servlet does it's best to determine the mime type of the data entity being served. However, entities that are stored on the local filesystem with a name in the form of prefix.1.1 don't give the servlet any clues as to the mime type based on the file ending. As a last resort, metacat sets the default mime type to application/octet-stream, which results in a 'download' dialog over the web, rather than attempting to render the data file (even text/plain).</p> <p>This may be desired, but some metacat admins may want text files to render preferentially, or other file types. It seems that there needs to be a mapping between eml dataFormat fields that hold the equivalent of a mime type (or it's surrogate), and the true mime type name used to set the HTTP CONTENT_TYPE header. The mapping shouldn't be schema dependent, rather, when a schema is registered in metacat, the mapping should be registered as well.</p>			
<b>Related issues:</b>			
Is duplicate of Metacat - Bug #1013: Need to allow metacat admin to set defau...		<b>Resolved</b>	<b>03/18/2003</b>

#### History

##### #1 - 04/01/2003 09:08 AM - Jing Tao

- Bug 1013 has been marked as a duplicate of this bug. \*\*\*

##### #2 - 04/01/2003 09:23 AM - Matt Jones

This is a good feature. For EML 2.0.0, we should be able to get the mime type from the eml-physical module, either directly or by inference. Here are the common cases I see:

```
dataFormat/textFormat/simpleDelimited > text/plain (does text/csv exist?)
dataFormat/textFormat/complex > text/plain
dataFormat/externallyDefinedFormat > application/octet-stream, unless
formatName is a mimeType, in which
case use formatName
dataFormat/binaryRasterFormat > application/octet-stream, unless
there is a better mime type for
BIP and BIL
```

If none of these work, then the following can be checked as well to see if they contain a mime type that can be returned:

```
dataset/otherEntity/entityType
```

Finally, one might be able to make a reasonable guess based on what type of entity is being returned:

```
dataset/dataTable
dataset/spatialRaster
dataset/spatialVector
dataset/storedProcedure
dataset/view
```

but this last one seems unreliable because several mime types are legitimate for each of those entity types.

### **#3 - 04/28/2003 09:20 AM - Jing Tao**

When user asks for a data file, metacat will take a look on xml\_relation table to find a metadata document which describes the datafile.

If the metadata doc is eml beta6, the related physical document will be found and the format value in this document will be read. From format value, Metacat will guess the mime type. For example, if it is text, Mime type will be text/plain. If it is gif, the mime type will be image/gif. If the mime type couldn't be figured out, the default mime type value (user can specify it in build file) will be applied.

If it is an eml2 document, the above rules will be applied to Mime type. If still couldn't figure out, the default value will be applied.

### **#4 - 03/27/2013 02:15 PM - Redmine Admin**

Original Bugzilla ID was 1012