

# How do I fix "Policy blocked datastream resolution" errors?

## Question

I have created a bare object in Fedora and I am trying to add in a dataStream via the REST API. However, I get the following error (in fedora.log) even though it looks like the datastream was added (which it was not). This is Fedora 3.3.

```
INFO 2010-02-07 16:06:35.417 [http-8080-4] (DefaultManagement) Completed addDatastream(pid: eureka:22, dsID:
Source, altIDs: , dsLabel: Source file, versionable: true, MIMEType: application/pdf, formatURI: null,
dsLocation: file:///Users/test.pdf, controlGroup: M, dsState: A, checksumType: null, checksum: null,
logMessage: Added source)
ERROR 2010-02-07 16:06:35.418 [http-8080-4] (DatastreamResource) Unexpected error fulfilling REST API request
fedora.server.errors.HttpServiceNotFoundException: [DefaultExternalContentManager] returned an error. The
underlying error was a fedora.server.errors.HttpServiceNotFoundException
The message was "Policy blocked datastream resolution" .
    at fedora.server.storage.DefaultExternalContentManager.getExternalContent(DefaultExternalContentManager.
java:145)
    at fedora.server.storage.DefaultDOManager.doCommit(DefaultDOManager.java:1198)
    at fedora.server.storage.SimpleDOWriter.commit(SimpleDOWriter.java:498)
    at fedora.server.management.DefaultManagement.addDatastream(DefaultManagement.java:527)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
    ...
```

I've been trying to find the right place where the policy is defined but cannot locate it.

## Answer

The policy which is responsible for blocking the resolution of this datastream URI is located in deny-unallowed-file-resolution.xml (see fedora.fcfg for the repository policies directory).

The file also contains an example rule how to selectively enable file:// URIs. If you remove the comments and adapt the regex to your file's location the addDatastream operation should work.

The "Completed addDatastream(..)" log message you are referring to is probably a bit misleading in this context. What it intends to say is that the code block was executed successfully independent of the operation's outcome (there's an issue for that: <http://fedora-commons.org/jira/browse/FCREPO-629>).