

Filtering Video Objects for Transfer to NJVid

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1 Introduction

This document describes a filter to be used in transferring video objects from the Rutgers Fedora repository to the Fedora installation hosted by NJVid. There are several dozen such objects currently stored in the Fedora repository at Rutgers. These objects were ingested in the normal way through the WMS and therefore have Rutgers Fedora IDs, Rutgers CNRI handles, and other Rutgers-specific references which must be changed to work with the Fedora set up at NJVid.

2 Transfer Process

The following process can be used to insure the smooth transfer of the objects.

1. Content models for Fedora collection objects and video objects will be created for NJVid and ingested into the NJVid Fedora repository.
2. The WMS at NJEdge will be used to create collections and collection objects for the NJVid project. These collections will populate the WMS database and the dlrcollections database. The collection objects will be ingested into Fedora.
3. The selected objects will be exported from the Fedora repository at Rutgers and saved in XML files based on the Rutgers Fedora PIDs, e.g., rutgers-lib_1234, rutgers-lib_5678,

etc.

4. The XML files will be filtered so that:
 - (a) Rutgers handle strings are converted to NJVid handles (e.g., “hdl.rutgers.edu/1782.1/” will be converted to “handle.njedge.net/10423/”)
 - (b) The Fedora PIDs will be converted to placeholder strings (e.g., njcore:XXXYYYZZZ) so that the numbers may be generated automatically upon ingest at NJEdge
 - (c) RUcore collection IDs will be converted to their njcore equivalents (e.g., “ru-core00000000055” will be converted to “njcore00000000022” — or whatever ID the WMS at NJEdge has assigned to the collection in question)
 - (d) The CONTROL_GROUP for presentation datastreams will be “M”, and URI’s for those datastreams will not need to be changed as they will be managed transparently by the server at NJEdge. The CONTROL_GROUP for the archival datastreams will be “R” and the URI’s for those datastreams will be filtered to reflect a remote archival location at NJEdge rather than at Rutgers.¹
5. The filtered objects will be saved in XML files based on their original Rutgers-lib Fedora PIDs, e.g., njcore_1234, njcore_5678, etc. This will serve to distinguish them before transfer. The files will have placeholders, however, which will be populated with njcore PIDs upon ingest at NJEdge.
6. These XML object files will be delivered to NJEdge and ingested into the NJVid Fedora repository using one of the approved ingest methods.²

Once the objects are transferred, they should be functionally indistinguishable from any new objects created for NJVid using the usual process of the WMS.

¹The archival files do not need to be in place on the NJVid server for the transfer ingests to occur. They can be delivered via sftp or manually using a hard drive at a later time and put in place so that the URI’s referenced in the objects become active.

²They will ingested using the API-M dlr/EDIT tools; the new handles will be created as part of the process and new njcore PIDs will be generated.