

Member Nodes - Task #6772

MNDeployment # 3532 (Closed): DFC Member Node

Task # 6089 (Closed): DFC: Developing

Look at sample files from Lisa

2015-01-26 15:24 - Laura Moyers

Status:	Closed	Start date:	2015-01-26
Priority:	Normal	Due date:	
Assignee:	Chris Jones	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	Deploy by end of Y3Q1		
Story Points:			
Description			
Evaluate content of the sample files Lisa sent (attached) to determine how we will work with them.			

History

#1 - 2015-01-26 15:32 - Laura Moyers

Lisa had said in an email: The NexRAD data files will be 2 different formats: NetCDF for the processed NexRAD data and the raw NexRAD data is gzipped. We can just register the NetCDF files, as a first step, if that seems appropriate. Also I can temporarily register an example raw NexRAD file and NetCDF file for you to look at, until we get our act together here on our event logging and which iRODS grid is going to actually hold the data.

#2 - 2015-01-28 16:32 - Chris Jones

- Status changed from New to Closed

- % Done changed from 0 to 100

- translation missing: en.field_remaining_hours set to 0

I've looked at the two files that Lisa sent.

The NetCDF file would be registered as a DATA object in the system as either netCDF-3 or netCDF-4 formatIds (the file itself doesn't give the version, so this will need to be resolved).

I couldn't be read the NEXRAD file in standard viewer software for NEXRAD data, so I think we'll need more information to understand the format type. Is this a NEXRAD Level II file, NEXRAD Level III file, TDWR file, or another format? When I look at the raw bytes using hexdump, it doesn't have the same header information that I see when downloading a known NEXRAD Level III file from NOAA.

Registering these raw data files in DataONE won't be a problem, but they will need accompanying XML-based metadata documents that describe them. The NcXML format might be the most appropriate for the NetCDF files, or perhaps ISO 19115 metadata for both types. It's really up to Lisa and others how they want to describe their data files.

Files

2014-06-02-0900-accum.nc.zip	54.2 KB	2015-01-26	Laura Moyers
2014-06-02-0951-nexrad.gz	1.42 MB	2015-01-26	Laura Moyers