

2018-02-20

Data Sharing Workflow for Large Datasets (>1TB) with Globus

Borda, Susan

<https://hdl.handle.net/2027.42/142389>

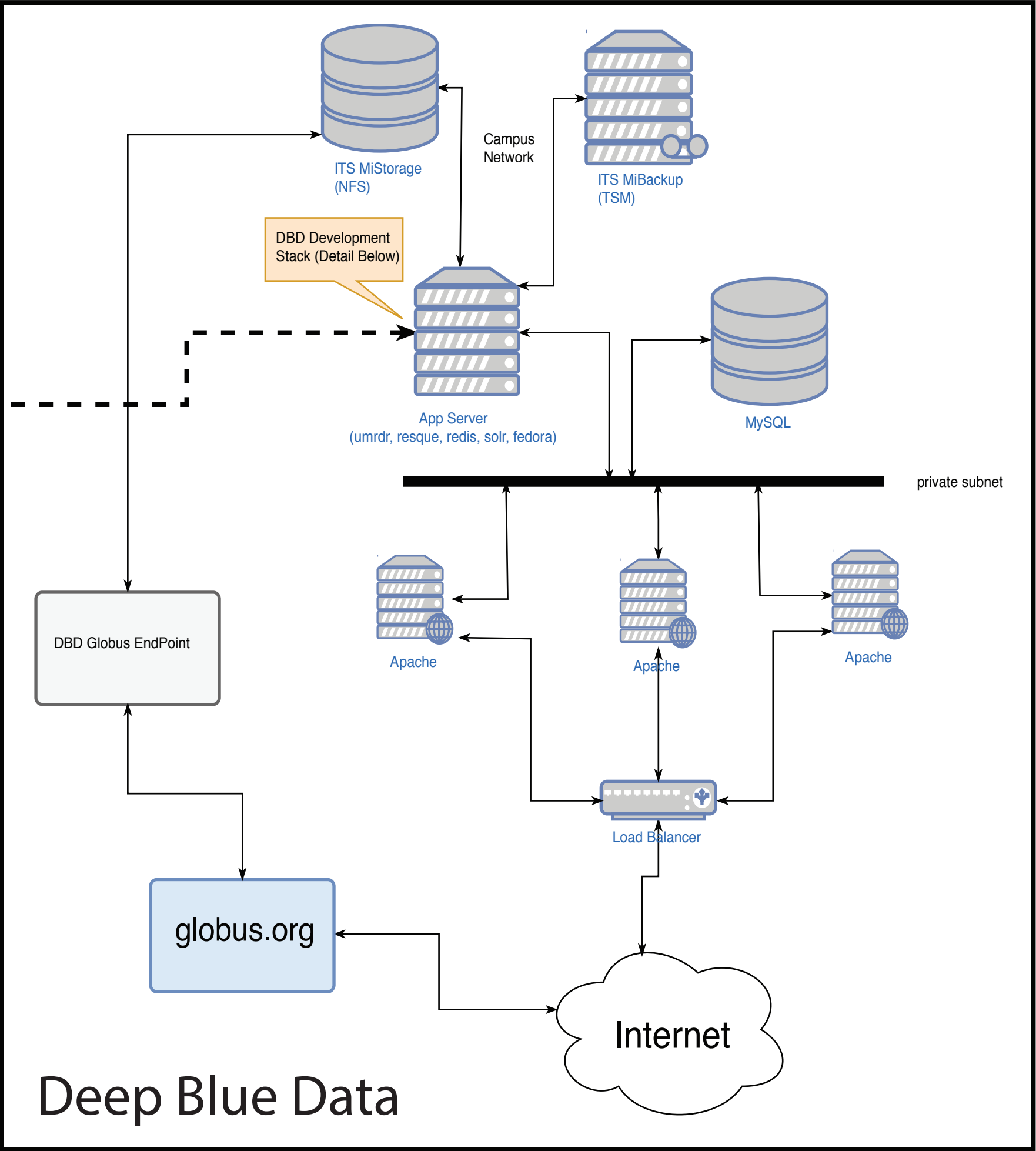
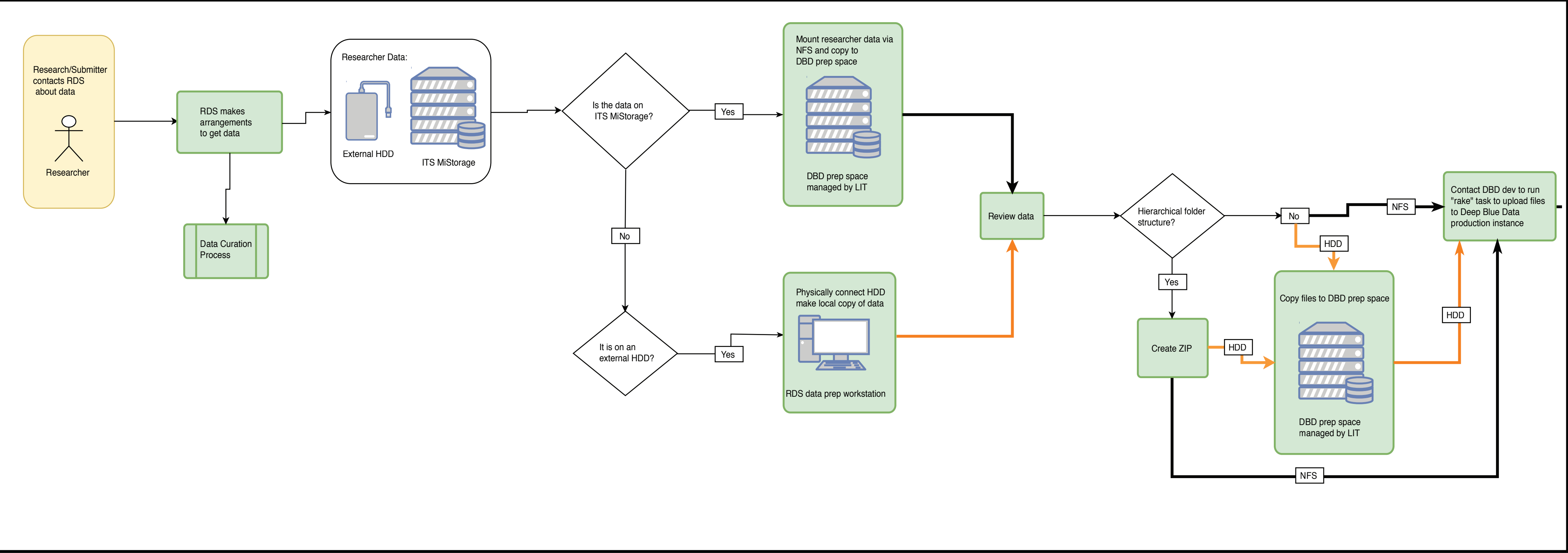
<http://creativecommons.org/publicdomain/zero/1.0/>

Downloaded from Deep Blue, University of Michigan's institutional repository

Data Sharing Workflow for Large Datasets (>1TB) with Globus

Susan Borda - Data Workflows Specialist University of Michigan - sborda@umich.edu







Workflow for Large Datasets



Globus File Download Process

1

Files (65.3 GB in 24 files)

File	Filename	Date Uploaded	File Size	Access	Actions
	rcm_era_atm_present.nc	2017-08-25		Open Access	View Details
	rcm_era_rad_present.nc	2017-08-25		Open Access	View Details
	rcm_era_srf_present.nc	2017-08-25		Open Access	View Details
	rcm_era_sts_present.nc	2017-08-25		Open Access	View Details
	rcm_era_clm_present.nc	2017-08-25		Open Access	View Details
	rcm_gfdl_atm_present.nc	2017-08-25		Open Access	View Details

Total work file size of 65.3 GB is too large to download directly, please contact deepblue@umich.edu.

[Download All for Globus](#)

2

Click submit to start downloading Regional Climate Model simulations to Globus. If you would like to be sent an email when the files are available fill in your email address:

Email:

Email again:

[Download All for Globus and Email Me When Complete](#) [Cancel X](#)

3





















sborda@umich.edu 12/22/17

Globus download is now available.
Work: Regional Climate Model simulations
At: http://training.deepblue.lib.umich.edu/data/concern/generic_works/75903f27-1331-406e-9f95-a4871d02e525
By: Steiner, Allison; Bryan, Alex
Deposited by: alsteine@umich.edu
Globus link: https://www.globus.org/app/transfer?origin_id=99d8c648-a9ff-11e7-aedd-22000a92523b&origin_path=%2Fdownload%2FDeepBlueData_75903f27-1331-406e-9f95-a4871d02e525%2F

4

Transfer Files

Endpoint: DeepBlueData Path: /download/DeepBlueData_75903f27-1331

select all	up one folder	refresh list	permissions	
	rcm_era_atm_present.nc	4.80 GB		
	rcm_era_clm_present.nc	4.31 GB		
	rcm_era_rad_present.nc	3.64 GB		
	rcm_era_srf_present.nc	1.03 GB		
	rcm_era_sts_present.nc	471.06 MB		
	rcm_gfdl_atm_present.nc	4.56 GB		
	rcm_gfdl_atm_future.nc	4.92 GB		
	rcm_gfdl_atm_present.nc	4.09 GB		
	rcm_gfdl_atm_future.nc	4.42 GB		
	rcm_gfdl_rad_present.nc	3.46 GB		
	rcm_gfdl_rad_future.nc	3.73 GB		
	rcm_gfdl_rad_present.nc	978.40 MB		
	rcm_gfdl_srf_present.nc	1.05 GB		
	rcm_gfdl_sts_future.nc	447.24 MB		
	rcm_hadgem_atm_future.nc	4.56 GB		
	rcm_hadgem_atm_present.nc	4.92 GB		
	rcm_hadgem_clm_future.nc	4.09 GB		
	rcm_hadgem_clm_present.nc	4.42 GB		
	rcm_hadgem_rad_future.nc	3.46 GB		
	rcm_hadgem_rad_present.nc	3.73 GB		

Label This Transfer:

Transfer Settings

☐ sync - only transfer new or changed files

☐ delete files on destination that do not exist on source

☐ preserve source file modification times

☒ verify file integrity after transfer

☐ encrypt transfer

4a

Activity

DeepBlueData to sborda lib macbook

transfer started 5 minutes ago

Overview

Task ID: f85e1da8-fb08-11e7-831b-0a208f818180

Owner: susan borda (sborda@umich.edu)

Source: DeepBlueData owner: skomer@umich.edu

Destination: sborda lib macbook owner: sborda@umich.edu

Condition: ACTIVE

Requested: 2018-01-16 05:02 pm

Deadline: 2018-01-17 05:02 pm

Transfer Settings

• verify file integrity after transfer

• transfer is not encrypted

Event Log

Files 11

Directories 0

Bytes Transferred 12.47 GB

Effective Speed 37.79 MB/s

Pending 8

Succeeded 3

Cancelled 0

Expired 0

Failed 0

Retrying 0

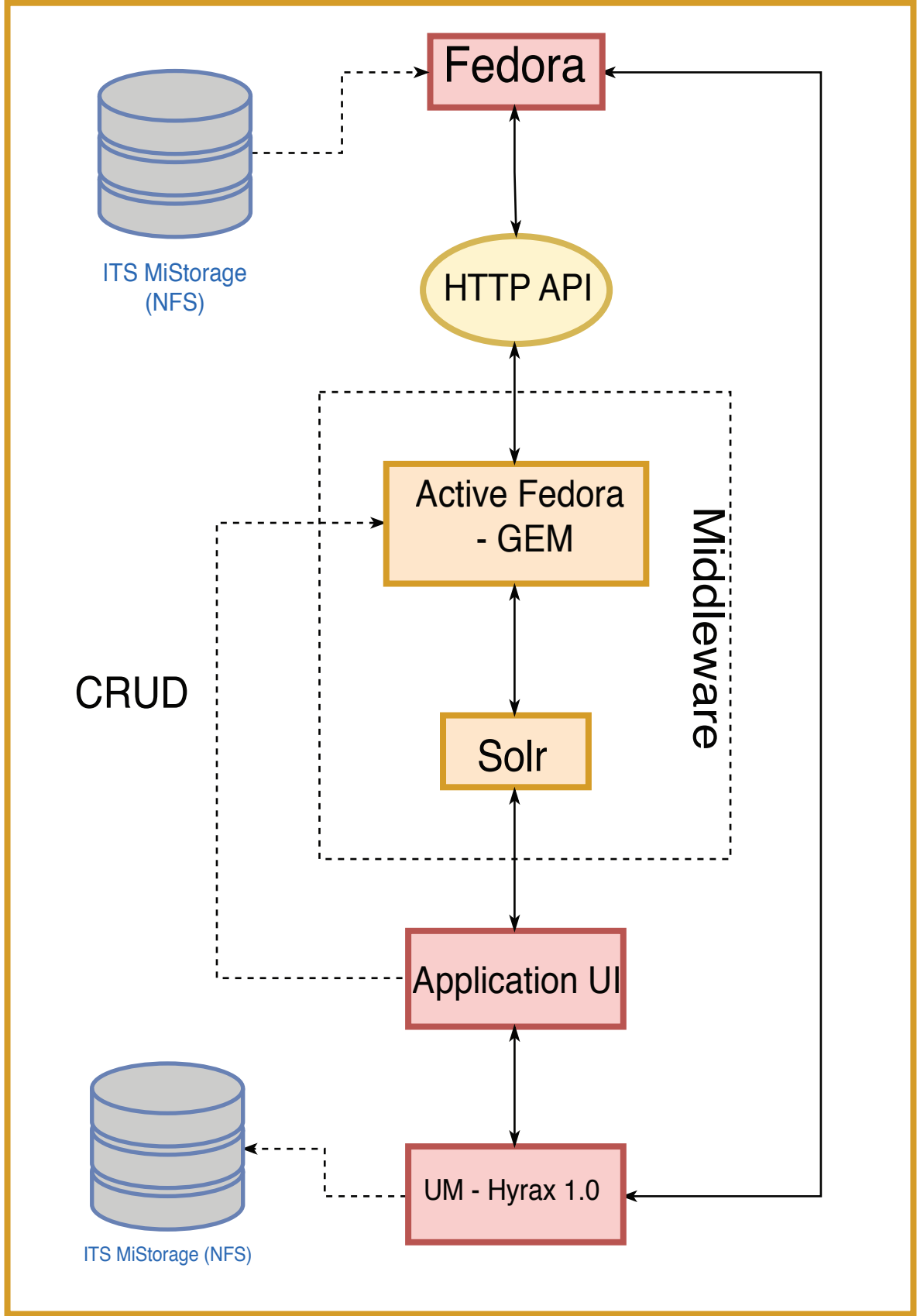
Skipped 0

5

Globus

Name	Date Modified	Size	Kind
rcm_era_atm_present.nc	Yesterday at 5:06 PM	4.81 GB	Document
rcm_era_clm_present.nc	Yesterday at 5:06 PM	4.31 GB	Document
rcm_era_rad_present.nc	Yesterday at 5:09 PM	3.65 GB	Document
rcm_era_srf_present.nc	Yesterday at 5:07 PM	1.03 GB	Document
rcm_era_sts_present.nc	Yesterday at 5:07 PM	471.1 MB	Document
rcm_gfdl_atm_future.nc	Yesterday at 5:10 PM	4.56 GB	Document
rcm_gfdl_atm_present.nc	Yesterday at 5:13 PM	4.93 GB	Document
rcm_gfdl_atm_present.nc	Yesterday at 5:13 PM	4.1 GB	Document
rcm_gfdl_atm_present.nc	Yesterday at 5:16 PM	4.42 GB	Document
rcm_gfdl_rad_future.nc	Yesterday at 5:16 PM	3.46 GB	Document
rcm_gfdl_rad_present.nc	Yesterday at 5:18 PM	3.74 GB	Document

DBD Dev Stack



Globus Code on Github:
<https://github.com/mlibrary/umrdr/tree/master/app/jobs>