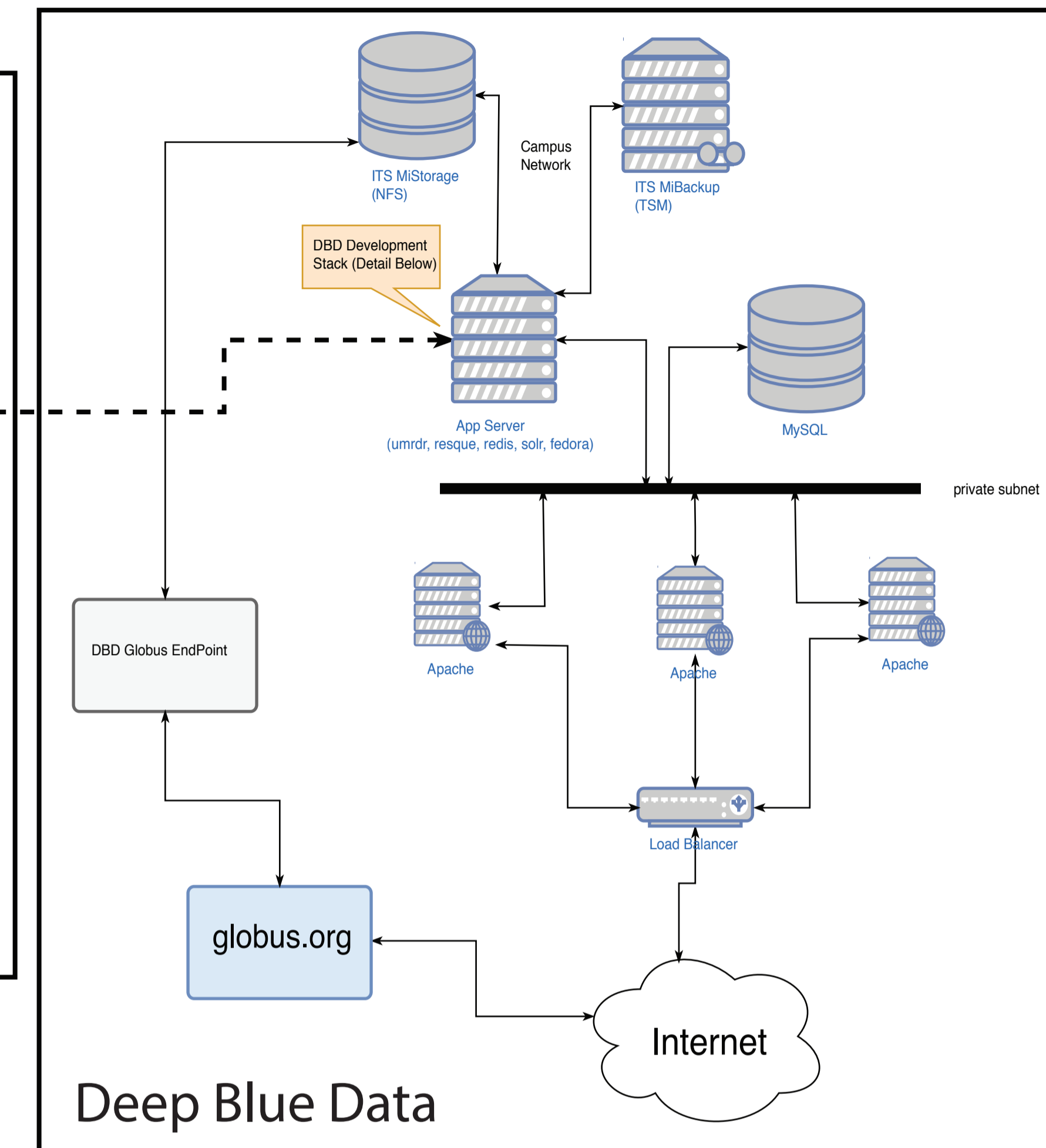
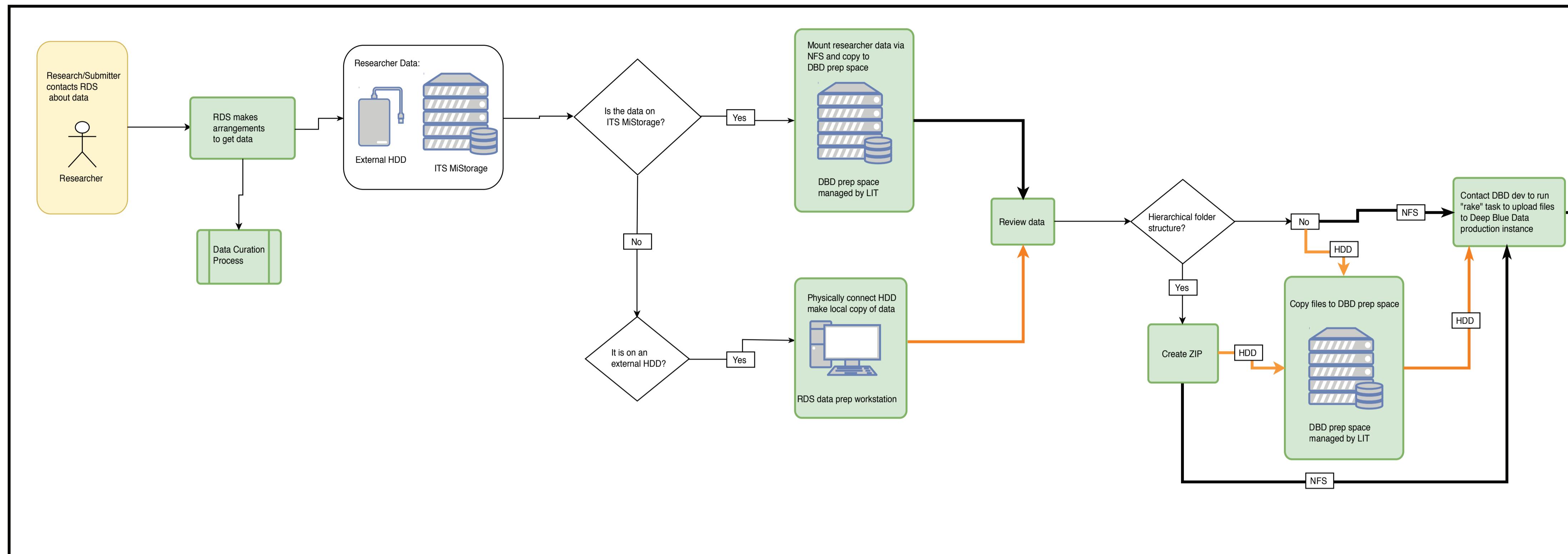


Data Sharing Workflow for Large Datasets (>1TB) with Globus

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	4.80 GB	Open Access	View Details
	rcm_era_rad_present.nc	2017-08-25	4.31 GB	Open Access	View Details
	rcm_era_srf_present.nc	2017-08-25	3.64 GB	Open Access	View Details
	rcm_era_sts_present.nc	2017-08-25	1.03 GB	Open Access	View Details
	rcm_era_atm_future.nc	2017-08-25	4.71 GB	Open Access	View Details
	rcm_era_rad_future.nc	2017-08-25	4.56 GB	Open Access	View Details
	rcm_era_srf_future.nc	2017-08-25	4.92 GB	Open Access	View Details
	rcm_era_sts_future.nc	2017-08-25	4.09 GB	Open Access	View Details
	rcm_gfdl_atm_present.nc	2017-08-25	4.42 GB	Open Access	View Details
	rcm_gfdl_rad_present.nc	2017-08-25	3.73 GB	Open Access	View Details
	rcm_gfdl_srf_present.nc	2017-08-25	3.46 GB	Open Access	View Details
	rcm_gfdl_atm_future.nc	2017-08-25	978.40 MB	Open Access	View Details
	rcm_gfdl_rad_future.nc	2017-08-25	1.05 GB	Open Access	View Details
	rcm_gfdl_srf_future.nc	2017-08-25	447.24 MB	Open Access	View Details
	rcm_hadgem_atm_future.nc	2017-08-25	4.56 GB	Open Access	View Details
	rcm_hadgem_rad_future.nc	2017-08-25	4.92 GB	Open Access	View Details
	rcm_hadgem_atm_present.nc	2017-08-25	4.09 GB	Open Access	View Details
	rcm_hadgem_rad_present.nc	2017-08-25	4.42 GB	Open Access	View Details
	rcm_hadgem_srf_present.nc	2017-08-25	3.46 GB	Open Access	View Details
	rcm_hadgem_atm_future.nc	2017-08-25	3.73 GB	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](#)

3 sborda@umich.edu 12/22/17

to me

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-2200a92523b&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_cim_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_era_atm_future.nc	4.56 GB	
	rcm_era_rad_future.nc	4.92 GB	
	rcm_era_srf_future.nc	4.09 GB	
	rcm_era_sts_future.nc	4.42 GB	
	rcm_gfdl_atm_present.nc	3.73 GB	
	rcm_gfdl_rad_present.nc	3.46 GB	
	rcm_gfdl_srf_present.nc	978.40 MB	
	rcm_gfdl_atm_future.nc	1.05 GB	
	rcm_gfdl_rad_future.nc	447.24 MB	
	rcm_gfdl_srf_future.nc	4.56 GB	
	rcm_hadgem_atm_future.nc	4.92 GB	
	rcm_hadgem_rad_future.nc	4.09 GB	
	rcm_hadgem_atm_present.nc	4.42 GB	
	rcm_hadgem_rad_present.nc	3.46 GB	
	rcm_hadgem_srf_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

Back to Transfer Files Task List

DeepBlueData to sborda lib macbook
transfer started 5 minutes ago

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

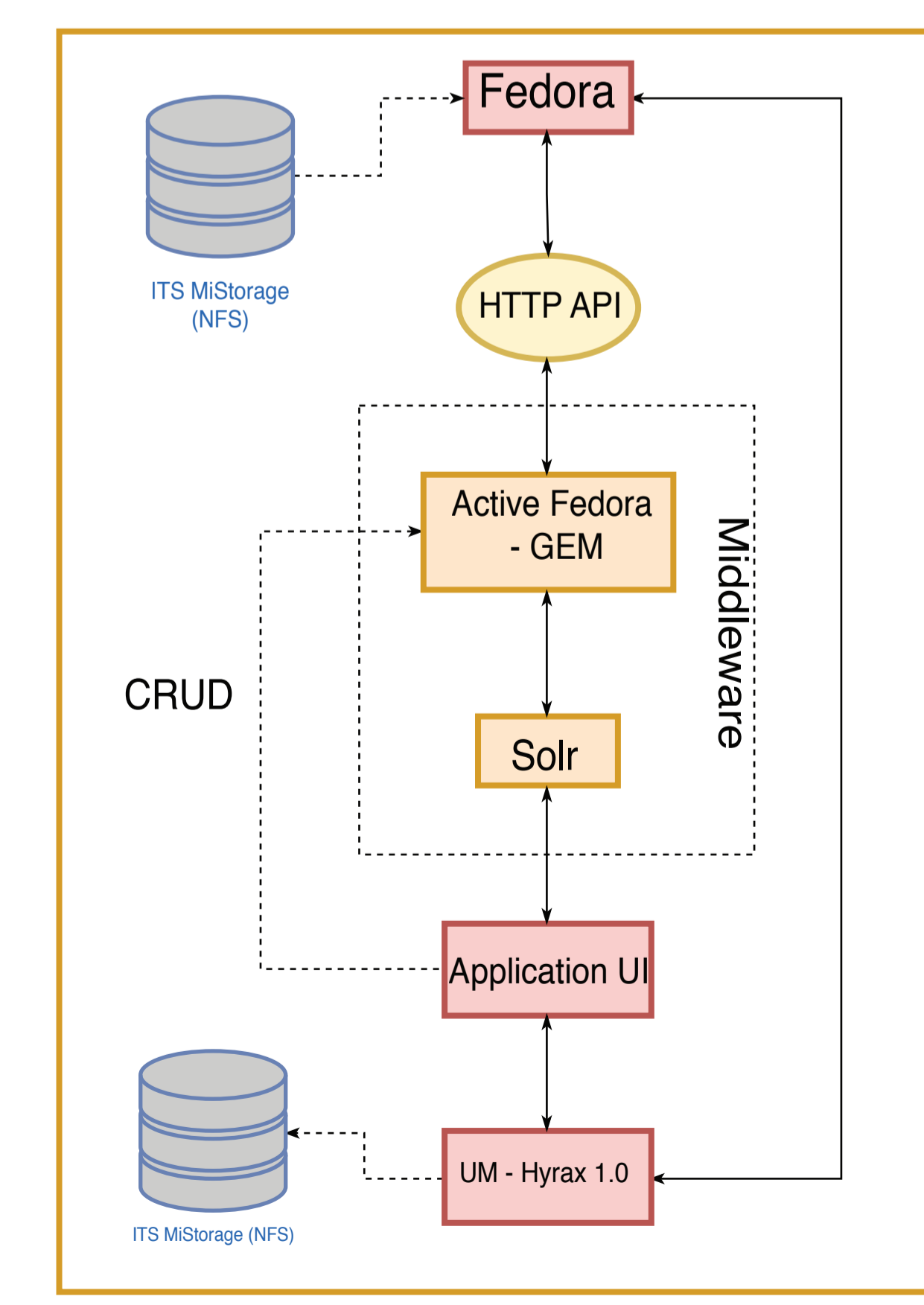
Files	Directories	Bytes Transferred	Effective Speed
11	0	12.47 GB	37.79 MB/s

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_cim_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_rad_future.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_cim_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>

