08-27-2011 SDSC Relocation Status

> ⊙ **Delivery of the switch hardware we need was delayed. It did not arrive until 11:30am. As a result, there has been a corresponding slip in our schedule.**

List of affected Virtual Machines (VMs)

A list of affected Virtual Machines (VMs) can be found here

Project Information

CAMERA

Intermittent network interruptions while the network is upgraded this morning.
Oracle databases and Oracle database servers unavailable during NetApp move this afternoon.
victory and constellation oracle servers have been relocated.

CCDB

Intermittent network interruptions while the network is upgraded.
While the maunaloa storage system is moved, the following data stores will be unavailable.

- CellImageLibrary
- HarvardData
- Image Server "scratch" space

NIF

Intermittent network interruptions while the network is upgraded.

- NIF1, NIF2, NIF4 and nif-crawler servers have been patched, updated and relocated.

NITRC

Intermittent network interruptions while the network is upgraded.
Aproximately 30 minute outage while nitrc.org bare metal server is relocated.

Work to be Done

switch hardware upgrade

Delivery of the switch hardware we need was delayed. It is due by noon today, via FedEx.

"Bare Metal" servers

Servers that are not virtualized will be moved this morning while we are installing the new switch hardware. This will impact:

- nitrc.org
- braininfo
- the Oracle 3-node RAC system and databases hosted there.
- maunaloa data storage
    - the SVN data repository
    - the CVS data repository

VM migration status

We are hoping the switches will arrive early enough to allow us to migrate the VMs over 10Gb, suspend them over 10Gb while we relocate the NetApp, and then resume them.

Oracle RAC move

Daniel Wei will be assisting us with the move of this equipment.

NetApp move

The NetApp will be one of the last pieces of equipment to be relocated. During this time, all VMs that use shared NetApp storage to facilitate disaster recovery will be suspended. CAMERA Oracle databases will be unavailable. WBC data stored on the NetApp will also be unavailable.

Work completed

VM migration

Four of our VM hosts have now been moved to the new location and a number of VMs have been migrated to these machines.

General Improvements

- BIRN Portal and GAMA servers have been virtualized
- NIF server system software updated

NIF status

- NIF1, NIF2, NIF4, NIF5 have all been moved to the new location. Patches have been applied and network has been reconfigured. Network has improved with adding redudent/failover links for all of the machines for both management and public networks. Management network upgraded to 1GB.
- Currently I have NIF's website pointing to a different webserver so that when the production nodes go down, we will still have a status page up for NIF.