

NSF CC-NIE Working Group Meeting

April 21, 2014

Agenda

Time: 3:30-4:30pm, April 21, Monday

Location: Physics building, Conference room 403B

Agenda:

1. Status of measurement infrastructure
2. Update from CEN
3. Status of Science-DMZ equipment at Storrs
4. Update from UCHC
5. Next step
6. Open discussion on other issues

Minutes

Present:

UConn: Bob, Bing, Jeff F., Richard (Jones)

CEN: Scott

UCHC: Ann, Jeff D., Leo

1. Status of the monitoring infrastructure

Jeff has started to investigate why some sites do not respond to probes. The first step is to reduce the load on the measurement nodes. Levon will check whether this is indeed helping in getting more consistent response.

Bing has looked into funding an undergraduate student to continue working on analysis scripts. The student will work for 13 weeks during summer and will hopefully be supported by a REU supplement (Bing will submit a request for REU supplement soon).

2. Update from CEN

CEN will receive the DWDM equipment this week. The equipment will be tested in lab first and then put into production environment. After that, it will be used to connect UCHC. The agreement of 100Gbps with Internet2 has not been finalized yet. It will hopefully be finalized soon.

3. Status of Science-DMZ equipment at Storrs

Jeff and Bob will discuss with Ed regarding Hornnet. Bob has looked into what switch can be installed in Richard's lab. So far, 4 options seem to be reasonable. Bob will look into this further.

As to Science DMZ gateway router, Jeff and Bob have looked Cisco catalyst 6800 in hope of an easier incremental deployment (later connected to the core network). But the timing does not work. Most likely choice remains to be Juniper router. But need figure out more details since it may not be compatible to the predominantly Cisco core network. Plan to check whether other universities have similar problems and how they solve such problems during CCNIE PI meeting next week.

4. Update from UCHC

UCHC is mostly ready to install the 100/40GbE backend gateway. Jeff D. has started to look into perfSONAR measurement infrastructure.

5. Next step

Richard described the current status of his data challenge on OSG. Because of the fast progress made in OSG, it is the only source that runs the data challenge now. The simulation can get 6,000 – 7,000 cores simultaneously. But the progress has been slowed down because of OSG servers need to install patches (and 64 signature scheme that was planned earlier) to deal with the Heartbleed problem. Currently, Richard's team has achieved 2/3 of the final goal.

The next meeting will be on May 12 (since Bing will be traveling on May 5).