

It was announced that the next conference call will be January 20, 2010 at 1:00 PM CST.

James Deaton brought it to our attention that packets were being dropped on the GPN 10 Gig circuit to Internet2 due to excessive traffic. Mostly CMS traffic from UNL.

A three phased plan of action was proposed.

- 1 Kent Christensen will ask the CMS group at UNL to limit their traffic to a level that will alleviate the packet loss.
- 2 Get Lambda Station working or set up a static connection through the DCN connection to FNAL.
3. Install a second 10Gig connection to I2 when available.

Chris Robb, Dale Finkelson, and Linda Roos from Internet2 were on the call. They reported that a new Juniper MX 960 router will be installed in KC around the 14th of January 2010.

Internet2 governance will be voting on the new pricing structure for connections to I2. If the new pricing is approved GPN will look to install a 2nd 10 Gig link to I2 pending GPN board approval.

GpENI's request to have a 1 Gig connection from GPN's switch to ProtoGENI's switch in the KC suite was approved.

Kent Christensen will send Robert Ricci's contact information to GPN's NOC and they will work with Robert to bring this up.

Wisconsin had a request for a 10 Gig connection to the ProtoGENI switch. There was some discussion that this was probably a VLAN request and Jeff Bartiq will talk with Michael Blodgett (Wisconsin) to get more info. This is on hold until we hear back from Jeff.

Wisconsin has a request to peer with ESNNet in KC. They are already peering with ESNNet in Chicago. Jeff Bartiq has received permission from his contacts at ESNNet. Claude Garelik was trying to get a call to his contacts at ESNNet to see what needs to happen. It was suggested this would have to go to the program committee for approval. Kent Christensen will write an impact statement for the Program Committee to use to make a decision.

GPN began peering with Transit Rail on 12/15/2009 around 11:00 AM. Paul Lustgraaf noted he would have liked some notification before this happened, as it affected Iowa State's commodity traffic. It was agreed that, at the very least, a message to the gpnnet list should be sent informing members of the date and time of changes. (Author's note: GPN NOC has been very good about informing the members, of upcoming maintenance and changes to the network and equipment. I am sure they will strive to ensure this doesn't happen again.) Currently, only the members peering with GPN's router for CPS were affected by this change.

Dave Farmer noted that intra-GPN traffic of members peering directly with Internet2 and not with GPN would traverse to the I2 router before moving on to the proper destination. By setting up a peer session with GPN the traffic would not need to be sent to the I2 router. This would eliminate some traffic on the 10 Gig link to I2. Jeff Bartiq noticed that about 800 Mbps of traffic between Wisconsin and UNL was taking the less efficient path and will request peering with GPN. Dave will also request peering to GPN for Minnesota.

There was a call for volunteers to help with GPN network planning. There was discussion about equipment and whether there was time to make recommendations on equipment and plan the growth of GPN by March 1. It was suggested that we move forward with the equipment we have, unless it is a show stopper. The financial times we are in make it difficult to purchase equipment unless it is necessary. It was also suggested that a 100 Gig plan be looked at, if our planning is for the next 3 years. Chris Robb would like a copy of the estimates of research and commodity bandwidth that we compile in our planning process.

If you have any questions or have anything to add or correct please let me know.

Thanks,  
Kent