

## **JET Meeting Minutes**

### **June 21, 2016**

#### **Participants**

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#### **Action Items - New**

1. AI: Mike Gill will send information on George Komatsoulis who has replaced Don Preuss at NIH.

#### **Action Items - Carry forward**

1. If you have SCinet connectivity needs not listed contact [Jim Stewart](mailto:jstewart@uen.org) <jstewart@uen.org>
2. Jennifer Schopf will inform the JET members of her inexpensive deployments of perfSONAR on ACE.

#### **Proceedings**

This meeting of the JET was chaired by Vince Dattoria of DOE/SC.

#### **Network & IX Round tables**

##### **NASA**

No report

##### **NIH/NLM: Mike Gill**

NLM will acquire a new director in the near-term. Nothing new in networking to report. George Komatsoulis has replaced Don Preuss at NIH.

AI: Mike Gill will send information on George Komatsoulis who has replaced Don Preuss at NIH.

**NOAA: Dave Hartzell**

NOAA is completing its TIC buildout. The Hawaii TIC has been operational for a year. The DC area and Denver TICs are being completed now. NOAA is investigating options to provide a 100G backbone network, preparatory to developing a proof-of-concept.

**NRL: Linden Mercer**

NRL is ramping up for demonstrations at SC16.

**US Ignite: Glenn Ricart**

US Ignite is looking to deploy local switches in support of digital town squares to implement applications for cities. US Ignite is currently looking for applications that can be deployed between cities. US Ignite demonstrated its first remote 4K microscope to a venue. They had a 10G link between Learn and Internet2 and the University of Austin. They carried out 10G demonstrations with a theme of 4K science including demonstration of the Tennessee Aquarium at 4K with a 4K projector at the event site. There was also a 4K art talk from the Cleveland Museum of Art.

**3ROX: Michael Lambert**

There have been an increased number of attacks on legacy networks. Please update your ARIN database.

**Utah: Joe Breen**

Utah is working on SC16 connectivity.

**EOS networking: Kevin Kranacs**

NASA is upgrading the EOS backbone links to 40G with 100G connectivity to the MAX.

**Exchange Points**

**MAX: Dave Diller**

MAX is testing the new 100G link to NASA/GSFC. Next week they expect to turn up NOAA at 100G.

**StarLight: Joe Mambretti**

At the Internet2 Global Summit meeting, StarLight deployed 2 x 100G connectivity going from StarLight to the Michigan Avenue hotel. StarLight is implementing 5 x 100G connectivity to the SC16 convention center.

StarLight is building out SDX connectivity for international cooperation. They are performing a trial of Ciena equipment with CANARIE by sending 300Gbps between

StarLight and Ottawa using 2 x 150G waves on a bonded channel. They are using WaveServer equipment at a cost of \$50,000 per server.

#### **NASA Ames**

Nothing to report

#### **Broadcom Chips: Joe Mambretti**

Broadcom is selling new chips (Dune) that have deep buffers (GBytes) that support millions of tables. There are powerful switches and routers based on these chips. They are very cost effective and support many 100G channels. They enable SDN among multiple sites. Switch makers, such as Arista, are incorporating the chips in their products.

#### **Support for Computational Genomics**

StarLight is supporting Computational Genomics in cooperation with Bob Grossman. Joe Biden visited Chicago to launch a computational genomics application by Bob Grossman.

#### **Meetings of Interest:**

July 12-13	<a href="#">OIN Workshop</a> , Bloomington, IN
July 17-22	<a href="#">IETF 96</a> , Berlin, Germany
July 31 - August 5	<a href="#">APAN42</a> , Hong Kong
September 25-28	<a href="#">TechX</a> , Miami, FL
September 29-30	<a href="#">GLIF16</a> , Miami, FL
October 17-19	<a href="#">CANS2016</a> , Houston, TX
October 17-19	<a href="#">NANOG68</a> , Dallas, TX
October 18-21	<a href="#">ESCC/Quilt/NSF PIs</a> , Philadelphia, PA
October 20-21	<a href="#">ARIN 38</a> , Dallas, TX
November 13-18	<a href="#">IETF 97</a> , Seoul, South Korea
November 13-18	<a href="#">SC16</a> , Salt Lake City, UT
November 22-23	<a href="#">CANARIE National Summit 2016</a> , Montreal, QC

#### **Next JET Meeting:**

July 19          12:00-2:00 EDT, NSF

#### **Planning for future JET meetings:**

September 25-28	JET at TechX, Miami, FL
November 13-18	JET at SC16, Salt Lake City, UT