

Connectivity Meeting

AGENDA

July 7, 2015

1. Network Services Update – Ed Anderson
 - a. 100 Gbps Backbone Upgrades – Greg Ebner

The internet link was brought up in the North and the South during the month of June. We changed our peering with both the commodity and users network in the North from 10 Gbs to 100 Gbps. In the South we now have connectivity at 100 Gbps as well.

 - i. CENIC Connection – Greg Ebner

Our connection with CENIC in California has been severed. We are now running purely on the the Internet 2 links.
 - ii. Cox Fiber Swing from Via West to Aerojet

There were no updates to this item.
 - iii. New 10/100 Gbps N/S conection and Commodity Internet Service – Stanton Gurr
 - a. Las Vegas is connected at 100 Gbps however when the link was brought up the level was running low. A cross connect issue was discovered, the problem pinpointed and that should be replaced in the next few days.
 - iv. Direct 100 Gbps connections to I2 Research Internet – Greg Ebner
 - a. There are 4 peers for research and education networking, 2 in the North and 2 in the South. The cost of the Internet 2 fees is roughly equivalent to that of CENIC. We increased our connectivity and kept our cost flat.
Stanton Gurr
 - b. Researchers are now able to do direct point to point peering for research activities on the Internet 2 network.
 - b. NDOT ITS Project – Greg Ebner

NSHE will start the installation of our new equipment between Reno and Elko early next week. Once the base transport system is in place we will begin delivering new services to NDOT and ITS over the new network by the end of July.
 - c. Carson City Metro Fiber ring upgrades – Greg Ebner

The majority of the equipment was received and the balance of the order is expected within the next 2 weeks.
 - d. Project Queue – Tom Nieva

June 2015:
NEW - 5, COMPLETED - 7, CANCELED/DELETED – 2
Calendar Year to Date:
NEW –49, COMPLETED –54, CANCELED/DELETED –4, IN QUEUE –49, ON HOLD -14
 - e. Integrate 2 – Jim McKinney
 - i. Design sessions took place in June and will continue through July to mid-August. Based on these configurations initial testing will begin in Workday.

- ii. The Board discussed centralization of purchasing, benefits, payroll, and classified employee management. Small working groups will begin reporting to the Campus Executive Committee.
- iii. In order to save time, effort and money the Board approved a single go-live implementation date of October 2015.
- iv. There will be a planning session with Sierra Cedar to extend the working project calendar through December. The reworked project plan should go out this week to the Campus Executive Committee and to the point of contact on each campus.

2. Systems Support Services – Pam Burns

- a. All Power High Availability (HA) upgrades and AIX operating system upgrades have been completed for iNtegrate and the Financial Data Warehouse. We are also going to upgrade the Linux operating system and will work with individual owners of applications on each server to schedule the upgrades.
- b. SCS is ramping up the effort to implement recommendations from Internal Audit to improve the security and recoverability of critical data. Changes will include:
 - i. Eliminating direct logon to iNtegrate servers with a shared account
 - ii. Improving password security and account expirations
 - iii. Scheduling the next round of HA tests
- c. We also working on a plan for the consolidation of pSeries equipment in the Reno and Las Vegas Data Centers. We are working with IBM to further refine the configurations and will meet with each of the iNtegrate1 Instances to discuss.
- d. Monday, August 24, 2015 is the first day of classes for most of the campuses. The last day for any changes affecting student related systems will be Monday, August 3, 2015.

3. Data Center Operations – Rich Ayala

- a. UPS Replacement
There were minimum disruptions in both the North and South and the systems recovered very well. The new unit is cutting edge and reliable and is now located on the main floor. Batteries were taken from Reno and reused in Las Vegas. This extends the project in Las Vegas about 2 years.
- b. ATS Replacement Project in Las Vegas
The new ATS is very large, it is the last of 3 that needed to be replaced.
- c. Power Distribution Unit Removal in Las Vegas
The power distribution unit in the computer room was removed and electrical panels were hung. This allows us to split more of the power sources to some of the dual sourced equipment.
- d. New Thermostats Purchased
The new thermostats can be accessed and updated remotely.

Jim McKinney

During the Las Vegas outage we discovered the Super Computer Center and NSC has a single connection directly into SCS. Alternative routes are being looked into in case of another outage.

4. Client Services – Brian Anzalone

- a. Prior to the Legislative session SCS/NSHE leased a building in Carson City as a remote office facility for SA personnel. The lease was up June 30, 2015 and the building has been cleared out.
 - b. The University of Nevada Press has transitioned from System Administration to UNR. Western Interstate Conference of Higher Education (WICHE) is transitioning from System Administration to the Governor's Office.
5. Enterprise Licensing and Contracts - Chris Gaub was not present
There were no updates to this item.
6. System Security – Paul Mudgett
 - a. As discussed last month there was a phishing attack that hit system wide in May. The attacker registered a domain and set up hosting sites in the Netherlands, which were clones of every institution that uses Employee Self-Service (ESS). Well crafted phishing emails were sent thru a spam service to each of the campuses. We have provided notifications on our side within ESS. The account number and routing number is now masked within ESS. All logs were provided to the FBI. Our response was rapid and discovered fairly quickly.
7. Video Conferencing Service/Network – Dani Chandler was not present. Ed Anderson update
 - a. The Bluejeans Pilot project has been extended for 6 mos or possibly more. SCS will continue to encourage others to use Bluejeans and keep users aware of its capabilities and benefits.
8. New Technologies – All
There were no updates to this item.
9. Operational Issues/Events
There were no operational issues or events discussed.
10. Other
There were no other items discussed.