

SWT2-OU-LU SITE STATUS

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OSG ALL HANDS MEETING

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Outline

- Network Deployment, Performance Statistics
- Equipment Deployment
- Middleware Upgrade

OU Network, Performance

- OU connected at 20 Gbps to I2 and ESnet via OneNet
- LU connected at 10 Gbps to OneNet
- 5-7 Gbps from Tier 2 cluster to BNL
- 100 Gbps line to OneNet already live on campus in 1PP
- After cluster move to 4 PP, will have 40 Gbps available on DMZ
- New OSCER cluster Schooner on that same DMZ network
- Locally, can get over 2 GB/s throughput from Lustre servers to compute nodes
- LHCONE migration from I2 to ESnet in progress, then Lucille



Equipment Deployment

- Have 17 R430 and 7 R630 compute nodes deployed in Schooner as dedicated 'Condo' nodes
- About to order 3 more R430s from first part of FY16 funds
- Will keep running remaining 1950 until they die
- Other OCHEP compute nodes are R610s, still in good shape
- Space, Power, Cooling not an issue
- LU submitted MRI for new cluster



Middleware, Dynamic Queue Deployment

- **OU_OCHEP_SWT2:** upgrade to osg-3.3 during next downtime
- **OU_OSCER_ATLAS:** osg-3.3 deployed on CentOS7, testing now
 - GridFTP server and HTCondor-CE functional
 - Some issues with SLURM jobmanager: SELinux and shared file system
 - Now solved, continue testing
- **Lucille_CE:** osg-3.3, fully updated
 - HTCondor-CE with whole node dynamically partitionable slots
 - Will be on same Oklahoma Friction Free Network (OFFN) DMZ as OSCER and OCHEP
- **SFs:** Bestman2

