

SWT2 Site Report

OSG AHM 2017

Procurement Status

- Columbia close out purchases received
 - Deployed at OU_OSCER_ATLAS
 - UTA:
 - Rebuild of UTA_SWT2
 - Add 25 new compute node (40 slots)
 - Replace internal network
 - Retire ancient machines
 - Replace gridftp doors
 - SWT2_CPB
 - Add 25 new compute nodes (40 slots)

Capacities / Pledges

Site	HS06 (k)	Storage (TB)
OU_OCHEP_SWT2	11.6	0 (+300)
OU_OSCER_ATLAS	9.8	500
UTA_SWT2	7.4 (-1.0, +10.9)	133 (+600)
SWT2_CPB	80.4 (-1.2, +10.9)	6300 (-1000)
Total	109.2 (-2.2, +21.8)	6933 (-400)

Year	HS06 (k)	Storage (TB)
2017	57.5	4242
2018	59.3	4651

Retirements, Additions for FY17

CPU Usage (hours) per Month by Queue

Resource	03/16	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17
Lucille_CE	131,541	220,891	253,954	270,464	376,968	215,425	171,965	245,988	159,148	116,636	20,695	56,213
Lucille_MCORE	379,004	299,356	295,669	258,547	155,608	231,608	227,853	147,498	279,954	185,125	229,369	171,152
ANALY_OU_OCHEP_SWT2	36,252	48,799	44,452	28,980	93,591	86,237	36,989	56,282	7,518	0	0	0
OU_OCHEP_SWT2	259,437	204,309	253,581	307,916	364,216	305,273	431,614	343,862	41,586	452,807	181,406	360,465
OU_OSCER_ATLAS	0	123	7,935	1,242	324	5,556	5,470	3,347	1,998	10,350	196	4,093
OU_OSCER_ATLAS_MCORE	0	2,884	8,801	10	14	3	40,690	53,685	66,128	35,692	1,468	19,347
OU_OSCER_ATLAS_OPP	0	4,707	19,199	30	84	3,925	12,626	4,297	4,540	11,291	146	6,293
ANALY_SWT2_CPB	219,543	184,157	398,664	271,309	306,284	166,972	167,348	362,238	334,717	367,980	255,379	329,773
SWT2_CPB	165,929	117,257	87,571	426,251	163,537	431,695	445,209	711,674	35,470	55,027	127,250	781,840
SWT2_CPB_MCORE	1,047,553	1,289,198	1,693,997	1,400,498	1,437,123	1,305,086	2,007,429	1,060,483	1,704,983	2,127,556	1,212,442	924,959
UTA_SWT2	92,942	47,121	60,015	73,955	4,532	106,730	79,670	337,178	48,608	86,339	51,944	78,638
UTA_SWT2_MCORE	486,602	596,542	722,241	761,630	579,603	643,163	725,348	206,858	717,379	658,811	751,792	740,082
Total	2,818,802	3,015,344	3,846,079	3,800,831	3,481,883	3,501,671	4,352,211	3,533,391	3,402,029	4,107,614	2,832,087	3,472,856

LocalGroupDisk

- OU
 - Planning on 50TB available in new storage
- UTA
 - 150TB provisioned, 70TB used at SWT2_CPB
 - Nothing at UTA_SWT2
- Happy to revisit the quotas if this fills up

LocalSiteMover

- Used at UTA
- Will be used at OU
- Issue seen with New Mover interface, not fatal

HTCondor CE

- UTA
 - First implementation at UTA_SWT2 with rebuild
 - Use lessons learned to implement at SWT2_CPB
- OU
 - OU_OSCER_ATLAS is done
 - OU_OCHEP_SWT2 will be done with next upgrade

Bestman Retirement

- Looking to implement LVS at UTA sites
 - Will try with UTA_SWT2 rebuild
 - If everything works, implement at SWT2_CPB
- OU
 - May just move to gridftp only (no SRM, no LVS)
 - Expiement at OSCER

Networking

- All sites peered with LHCOne
- UTA
 - Research Network at 20 Gb/s
 - Expecting 100 Gb/s to campus edge this year
- OU
 - OCHEP & OSCER currently at 10 Gb/s
 - 100 Gb/s at campus edge
 - Expect 40 Gb/s to OSCER in the next 6 months

ETC

- IPV6
 - OU OSCER appears to be ready
 - UTA Need to do testing
- RHEL7
 - OU OSCER already
 - OU OCHEP upgrade with next downtime
 - UTA Waiting