

GDB 02 May 2007 LCG Planning (1/4)

- ALICE: Currently installing new ALIEN environment at all sites then should start ramp up to full scale dress rehearsal of p-p running.
- ATLAS: Paused Tier 0 DAQ and export test waiting for new CASTOR stager. Meanwhile running separate data export tuning tests to BNL and IN2P3. Full scale dress rehearsal ramp up to start in June to reach full rate in September. At last GDB I wrongly reported request for 70% of 2008 resources to be for 4Q2007 when it was in fact for 1Q2008.
- CMS: About to start a new 5-week load test cycle. Large scale Tier 0 test in last 2 weeks of July. CSA07 (30 day run at 50% of computing model) now scheduled for after Chep. 300 MB/sec out of CERN to tape and intra-Tier 1 and 2 data transfers included.
- LHCB bulk Monte-Carlo finished. About to restart stripping and reconstruction. Tier 0 DAQ and distribution to Tier 1 at full rate (42 MB/sec out of CERN) scheduled for June and July.
- WLCG proposing serious 'debug running' multi-VO data distribution tests during May (see Jamie's talk).

GDB 02 May 2007 LCG Planning (2/4)

- From 1 April start new resource reporting as per L.M.Robertson document **Summary of the Process for Reporting Experiment Requirements, and Site Capacity and Usage Data for CERN and the Tier-1 Centres** Version 7. Plan is for sites to inform me and Jamie of changes or concrete plans to installed and allocated (not used) resources as they happen (at least monthly) to trigger updates to the mid-term planning tables. These will be copied into the accounting on the 8th of each month so we will hold back increases that have not yet happened.
- We have had updates changing the 2Q2007 tables from:
 - PIC – reduce the reported installed disk space
 - FZK – cpu and tape resources already at 2007/8 pledge levels
 - IN2P3 – new experiment allocated disk capacities
 - SARA-NIKHEF – increases in disk space (some being checked)
- Most sites reported changed experiment disk allocations in the March accounting report not to me/Jamie. Is it worth to know of planned allocation increases ?

GDB 02 May 2007 LCG Planning (3/4)

- Resultant 2Q2007 planning is on the web. Globally installed resources exceed 2006/7 pledges and experiment requirements.
- Model takes same share of cpu/disk/tape resources at a site whereas many pledge unevenly, especially in reduced tape.
- Most sites that are low plan to catch up by 3Q2007 when the 2007/8 site pledges should be available to be allocated to experiments. The next foil shows the draft 3Q2007 planning (I took cms site shares from 2008 disk split – not confirmed) but does not include unconfirmed or undated plans (mostly taken from the January workshop):
 - ASGC: some delivery and installation in 2Q2007
 - CNAF: have new capacity - what fraction goes to LCG
 - FNAL: 2007 target of 3900 KSI2K cpu and 1400 TB disk (above pledges)
 - NDGF: some expansion after March
 - SARA-NIKHEF: target of 958 KSI2K cpu and 214 TB tape during 2Q2007 and have just added disk space
 - TRIUMF: Disk/tape resources for 2007 planned for 1 July

GDB 02 May 2007 LCG Planning (4/4)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Period	Version 30.04.2007: 3Q2007 WLCG Service Coordination Planning for LCG Tier 1 Capacity: Planned pledges, Available and Required by Experiments for Scheduled and Service Challenge Activities																								
2	3Q2007	DRAFT: Tier 1 Capacity: Available vs. Required (Scheduled)										Scheduled Capacity Required by LHC Experiments and Site March Disk Allocation														
3	WLCG	CPU KSI2K			Disk TB			Tape TB			ALICE				ATLAS				CMS				LHCb			
4	Site	2007/8 pledge	Installed	Required	2007/8 pledge	Installed	Required	2007/8 pledge	Installed	Required	CPU	Disk	Alloc.	Tape	CPU	Disk	Alloc.	Tape	CPU	Disk	Alloc.	Tape	CPU	Disk	Alloc.	Tape
5	ASGC	1770	945	942.4	900	474	340.4	800	304	453					198	136	67	93	744	204	218	360				
6	CC-IN2P3	1286	1171	1429.2	779	340	694.2	745	510	659.1	321	165	20	136	416	286	149	195	620	170	76	300	72.2	73.2	87	28.1
7	FZK/GridKa	1860	1860	1859.4	880	880	737.8	1010	1007	860.4	752	242	61	331	320	220	71	150	744	204	116	360	43.4	71.8	51	19.4
8	INFN/CNAF	2400	1500	1840.8	1200	450	792.8	1000	500	808.7	488	229	22	160	320	220	74	150	992	272	110	480	40.8	71.8	51	18.7
9	NDGF	688	683	611	385	189	302	273	186	492.5	467	203		425	144	99		67.5								
10	PIC	501	600	552.3	218	70	272.8	243	161	264.4					144	99	18	67.5	372	102	23	180	36.3	71.8	29	16.9
11	RAL	1300	1300	933.1	640	640	482.8	1080	1080	450.9	23	11	1	10	384	264	36	180	496	136	77	240	30.1	71.8	41	20.9
12	SARA-NIKHEF	1677	774	611.5	1059	253	422.6	719	52	275	146	75	9	63	400	275	59	188					65.5	72.6	51	24.5
13	TRIUMF	160	305	137.6	110	24	94.6	80	12	64.5					138	94.6	29	64.5								
14	US-ATLAS BNL	2560	1120	736	1100	920	506	603	600	345					736	506	520	345								
15	US-CMS FNAL	1792	2250	2232	700	720	612	300	500	1080									2232	612	700	1080				
16	US-ALICE		180	254		45	78		35	0	254	78		0												
17																										
18	TOTALS	15994	12688	12139	7971	5005	5336	6853	4947	5753.5	2451	1003	107	1125	3200	2200	1011	1500	6200	1700	1320	3000	288	433	310	129
19	CERN Tier-0	4480			330			1620			53	14		66	1900	80		400	1900	100		800				
20	CERN CAF	3090			960			790			26	3		0	800	200		60	1900	400		400				
21	CERN Total	7570	3174	6640.3	1290	1290	884.9	2410	3000	1792.3	79	17	286	66	2700	280	390	460	3800	500	331	1200	61.3	87.9	179	66.3