



Installed Capacity Reports

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LHCC Mini Review

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Installed capacity

- Action has been pending for a long time:
 - Information requested by RRB/RSG
- Significant effort was put into defining and agreeing how to publish and collect the data – via the information system.
 - Document has been available for some time
- Tool (gstat2) now has the ability to present this information →
 - Significant effort still required to validate this data before it is publishable
 - Propose to task Tier 1s with validation for Tier 2s, but Tier 1 data is not good yet!
 - Sites need to publish good data urgently
 - <http://gstat-wlwg.cern.ch/apps/capacities/federations/>

Published capacities ...

Topology Pledges **Capacities**

Capacities > Federations

All Tiers Tier 0 Tier 1 Tier 2

JSON CSV Search:

Federation	Physical CPU	Logical CPU	HEPSPEC06	Total Online Storage	Total Nearline Storage
CA-TRIUMF	464	1208	13460	1100000	750000
DE-KIT	2645	9770	88711	0	0
ES-PIC	592	2368	24504	0	0
FR-CCIN2P3	1143	4572	39437	228887	11267355
IT-INFN-CNAF	1332	4520	39197	0	0
NDFG	9716	9716	60966	2287320	0
NL-T1	2889	14064	150330	3979547	1085432
TW-ASGC	901	3981	800	0	0
UK-T1-RAL	1316	5264	49692	77981	14680
US-FNAL-CMS	0	0	0	0	0
US-T1-BNL	0	0	0	0	0

Showing 1 to 11 of 11 entries

All Tiers Tier 0 Tier 1 Tier 2

JSON CSV Search:

Federation	Physical CPU	Logical CPU	HEPSPEC06	Total Online Storage	Total Nearline Storage
CH-CERN	3266	12812	0	203	0

Showing 1 to 1 of 1 entries

- In September I showed the Tier1 Results
- They have all either: corrected their publishing, or explained any discrepancies
- Now the turn of Tier2s
- Remember, only you know what you **should** be publishing.

HSo6

Country	Federation	CPU	Cores	HSo6	Disk GB	Tape GB
Belgium	Belgian Tier-2 Federation	745	1361	0	0	0
Brazil	SPRACE, Sao Paulo	152	368	0	0	0
Estonia	NICPB, Tallinn	63	404	0	0	0
Finland	NDGF/HIP Tier2	32	64	0	0	0
Germany	ATLAS Federation, HH/Goe	266	1064	0	516495	0
Germany	ATLAS Federation, Munich	709	2072	0	772476	0
India	VECC/SINP, Kolkata	94	220	0	0	0
Norway	UNINETT SIGMA Tier-2	5456	5456	0	72894	0
Poland	Polish Tier-2 Federation	2009	11420	0	612226	0
Republic of Korea	CHEP of KNU, Daegu	140	336	0	0	0
Republic of Korea	KISTI, Daejeon	134	536	0	215195	0
Taipei	Taiwan Analysis Facility Federation	102	404	0	518186	0
USA	Florida CMS T2	1024	2496	0	0	0
Spain	LHCb Federation	165	355	1988	1548	0
Pakistan	Pakistan Tier-2 Federation	60	240	2400	69822	0

Disk

Country	Federation	CPU	Cores	HS06	Disk GB	Tape GB
Belgium	Belgian Tier-2 Federation	745	1361	0	0	0
Brazil	SPRACE, Sao Paulo	152	368	0	0	0
Estonia	NICPB, Tallinn	63	404	0	0	0
Finland	NDGF/HIP Tier2	32	64	0	0	0
India	VECC/SINP, Kolkata	94	220	0	0	0
Republic of Korea	CHEP of KNU, Daegu	140	336	0	0	0
USA	Florida CMS T2	102 4	2496	0	0	0
Israel	IL-HEP Tier-2 Federation	192	1040	54560	0	0
France	SUBATECH, Nantes	104	408	3487	8	0
Spain	LHCb Federation	165	355	1988	1548	0
Slovenia	SiGNET	335	1162	11388	10585	0
Pakistan	Pakistan Tier-2 Federation	60	240	2400	69822	0

Cores/CPU

Country	Federation	CPU	Cores	Core/CPU
India	TIFR, Mumbai	30	240	8.00
Estonia	NICPB, Tallinn	63	404	6.41
Switzerland	CHIPP	192	1152	6.00
Poland	Polish Tier-2 Federation	2009	11420	5.68
France	CC-IN2P3 AF	451	2537	5.63
Israel	IL-HEP Tier-2 Federation	192	1040	5.42
Germany	ATLAS Federation DESY	914	4944	5.41
Germany	CMS Federation DESY RWTH Aachen	1420	6968	4.91
Austria	Austrian Tier-2 Federation	189	927	4.90
France	CC-IN2P3 IPHC	256	1216	4.75
USA	Great Lakes ATLAS T2	568	2548	4.49
Spain	ATLAS Federation	552	2369	4.29
France	GRIF, Paris	1359	5559	4.09
France	LPC, Clermont-Ferrand	452	1824	4.04
Pakistan	Pakistan Tier-2 Federation	60	240	4.00

HSo6/core

Country	Federation	CPU	Cores	Core/CPU	HS06	HS06/core
India	TIFR, Mumbai	30	240	8.00	20400	85.00
Romania	Romanian Tier-2 Federation	549	916	1.67	72210	78.83
Israel	IL-HEP Tier-2 Federation	192	1040	5.42	54560	52.46
Germany	ATLAS Federation FR/W	436	1744	4.00	55808	32.00
Japan	ICEPP, Tokyo	224	896	4.00	12858	14.35
Canada	Canada-East Federation	168	672	4.00	8400	12.50
Australia	University of Melbourne	54	216	4.00	2538	11.75
Canada	Canada-West Federation	314	1256	4.00	14479	11.53
UK	NorthGrid	1705	3470	2.04	37942	10.93
Switzerland	CHIPP	192	1152	6.00	11520	10.00
Pakistan	Pakistan Tier-2 Federation	60	240	4.00	2400	10.00
China	IHEP, Beijing	226	904	4.00	8885	9.83
France	LAPP, Annecy	220	752	3.42	7391	9.83
Slovenia	SiNET	335	1162	3.47	11388	9.80



Country	Federation	Cores	HS06	Disk GB	Disk GB/HS06	Tape GB
Sweden	SNIC Tier-2	1364	3205	1157488	361.15	0
Spain	ATLAS Federation	2369	20802	6919173	332.62	7704742
Austria	Austrian Tier-2 Federation	927	2707	449703	166.13	0
USA	SLAC ATLAS T2	1852	9057	1400000	154.58	0
Germany	LHCb Federation DESY	712	6636	768452	115.80	0
Australia	University of Melbourne	216	2538	283874	111.85	0
USA	Southwest ATLAS T2	1706	11040	1060000	96.01	0
Japan	ICEPP, Tokyo	896	12858	1199997	93.33	0
USA	Great Lakes ATLAS T2	2548	11680	1060000	90.75	0
Russian Federation	Russian Data-Intensive GRID	4184	14796	1239395	83.77	0
USA	Midwest ATLAS T2	2104	16248	1319000	81.18	0

What Should You Do?

- Check gstat for your site.
 - <http://gstat-wlwg.cern.ch/apps/capacities/federations>
- Do the figures look realistic?
- Remember they show total resources installed, not just for LHC (yet).
- If you don't understand why your published results are wrong:
 - Ask your NGI
 - Ask your Tier1
 - Raise a general GGUS ticket.
- The results at the end of October will be