



Enabling Grids for E-science

Operation metrics

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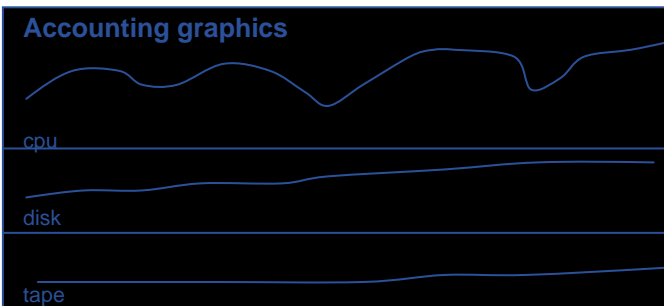
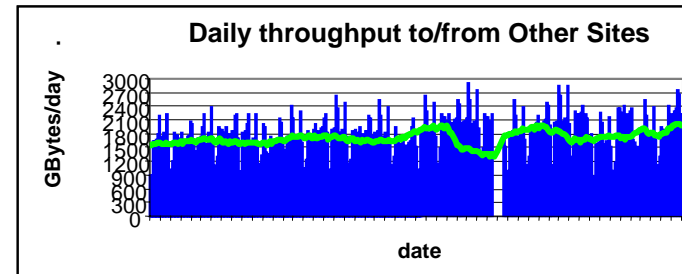
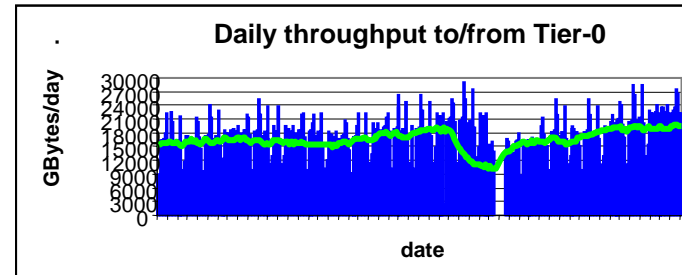
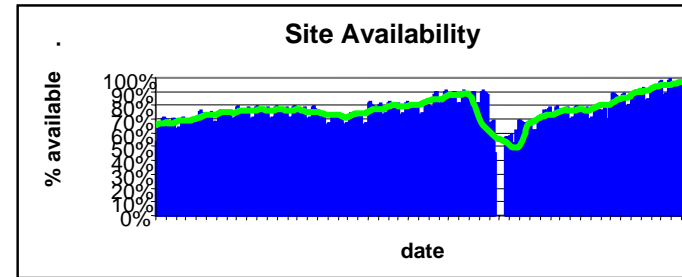
Information Society
and Media



- **Milestone on metric definition being reviewed**
- **Material on this taken for metrics' wiki:**
 - Different level of completeness for different metrics
 - Some of them already implemented and providing results, others not clearly defined
 - Existing results are spread through different web pages, difficult to collect them for a site/ROC
- **Metric groups:**
 - Size metrics
 - Operation metrics
 - Usage metrics
 - User support metrics
 - Service metrics

- Gather periodic results for all defined metrics
- Show them aggregated per site, per ROC
 - Both for core services and site services
 - Per VO
- Monthly summaries
- All this information will be made available online, in a public web page available to everybody
- It will be input information for the ROC reviews

Current month			% of target
		target	
Service level			
availability %	94%	90%	104%
service interrupts	14		
MTRR - prime shift	2.4	max 2hr	
- beam on	n/a	max 12hr	
- other periods	12.6	max 24hr	
Network data transfers			
Tier-0 GB/day	19,255	17,280	111%
other sites GB/day	1,816	2,074	88%
Accounting data			
cpu delivered KSI2K-days	3500	4,800	73%
disk allocated TBytes	155	250	62%
disk used TBytes	113	175	65%
tape used TBytes	123	850	14%



Scheduled service interrupts	
15/4 09:00-11:30	- installation of gLite 3.0
21/4 16:00-21:00	- network upgrade
27/4 22:30-28/4 02:00	- critical security patch

- This is a task that needs collaboration from more than one ROC
- **Steps:**
 - Find out in detail what is the implementation/summarization/display status of each metric
 - Small group of representatives from all ROCs to review the definition of the metrics: do we agree with what we are measuring?
 - Distribute the implementation, with commitments to finish within agreed deadlines (this responsibility includes maintenance in case of bugs/change requests)
 - **First summary covering most important metrics by the end of June**

- **Site availability**: summary of availability of core services of a site: CE, SRM, BDII, FTS
- **ROC availability**: summary of sites
- **Site availability for a specific VO**: availability of core services + VO services
- **Service availability for a specific VO**: availability of core services + VO services + central services
- Tests are run periodically and the aggregation of the results is done on a daily basis
- Expect to have first results (Tier-1s) including basic display in June