

SA1

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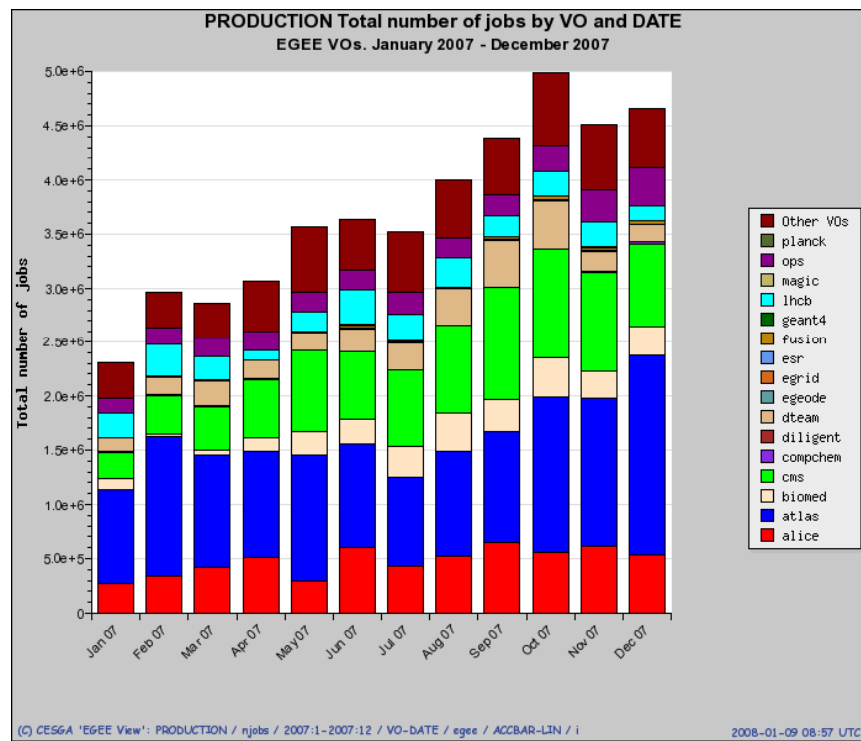
***All Activity Meeting, Sofia
21-23 January 2008***

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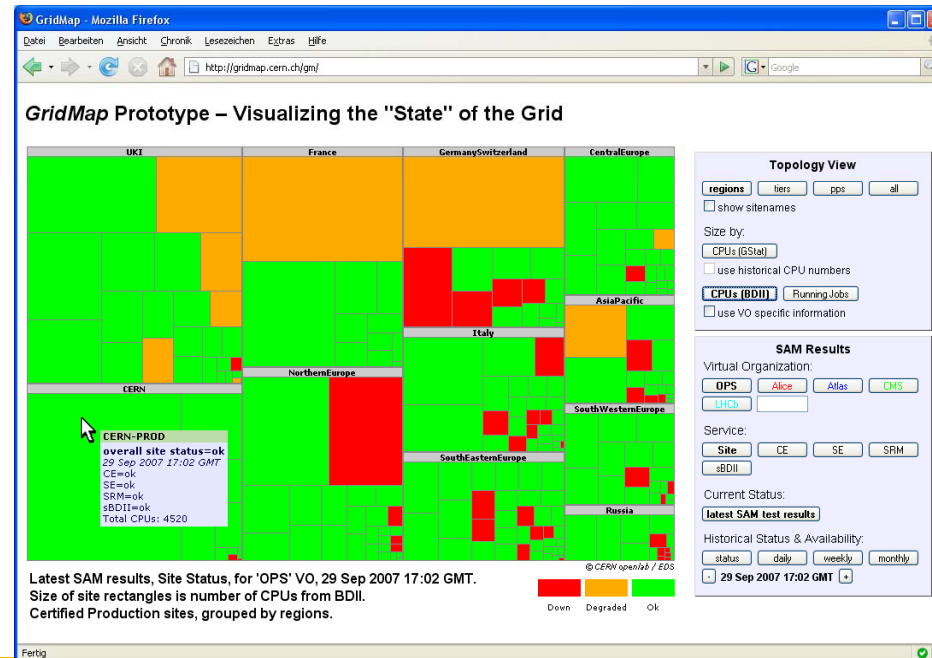


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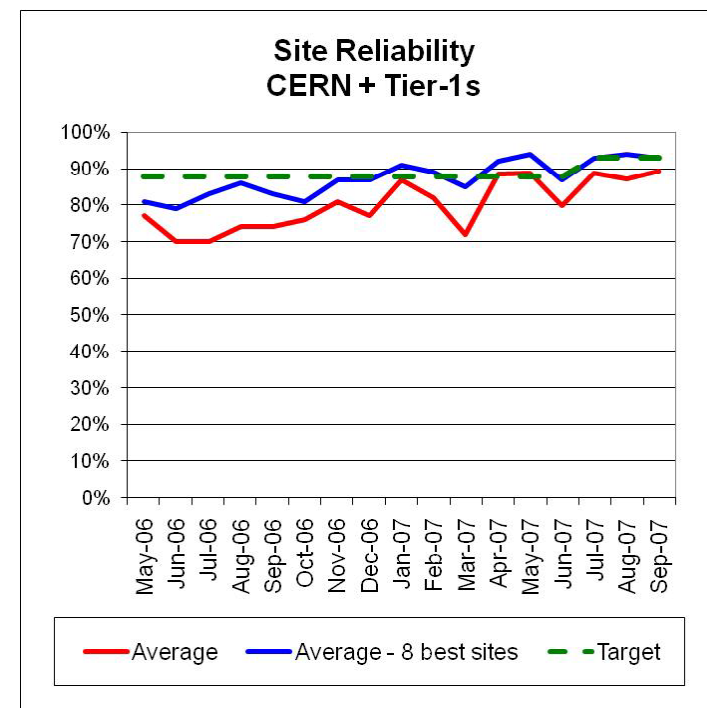
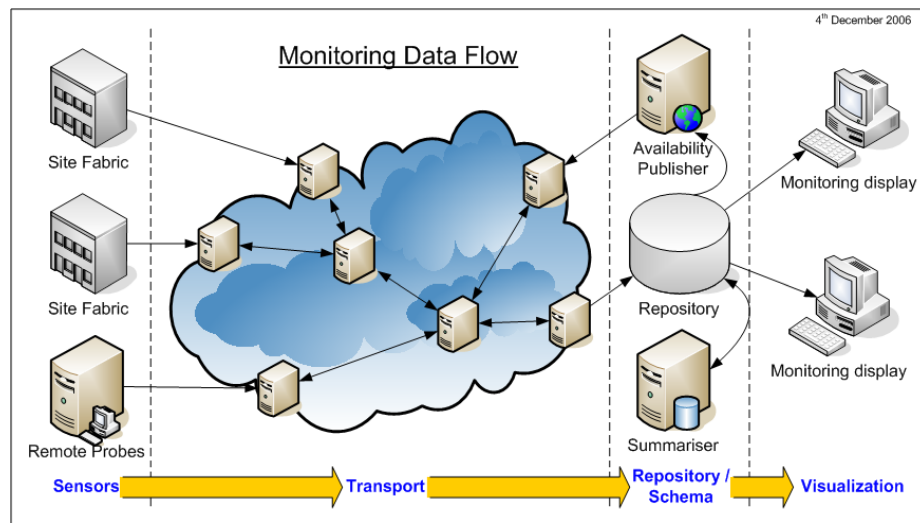




- EGEE – ran 44M jobs in 2007
 - x2 from 2006
- Peak (Oct) 160k jobs/day
 - of which 103k LCG



- Continual but gradual improvement in site reliability
 - Almost all Tier1 sites now above or close to targets
 - Experiments also use the SAM tool to run experiment-specific site tests
 - Now published monthly for LCG Tier 1 and Tier 2 sites
 - Used for metrics in the SA1 SLD



- A lot of progress in site and service monitoring and the experiment dashboards
 - These all contribute to improving the reliability with feedback to the sites
 - Nagios developments etc.

- **SLA (SLD) implemented between ROCs and sites**
 - Several rounds of discussion to agree the structure – the actual numbers to be agreed between each ROC and their sites
- **DSA1.5 – cookbook produced**
 - Included large discussion of fabrics and how to run services
- **DSA1.6 – ROC status**
 - Summary of progress with ROCs – good comparison between the different implementations, issues, and peculiarities; lessons learned.
- **These 2 deliverables should be taken seriously by the EGI_DS project – together they are a good summary of grid operations structures**

- **Final Deliverable – DSA1.7 : assessment of the status of the infrastructure**
 - Same structure as previous version
- **Final milestone – MSA1.10: report on NPM activities and progress**
- **Major operations task (not just in EGEE-II!!!)**
 - Preparation for LCG activities – CCRC08 (Feb, May), LHC start-up (summer)
- **...business as usual**

- **VO AUPs – VOs must make it clear to users what is acceptable to do under the VO**
 - Recent issue of mis-use
- **The AUPs must not only exist – they must be taken seriously**
- **Must ensure sites really do:**
 - Site fabric and service monitoring – they can use the Nagios tools provided
 - Security monitoring – many smaller sites are potential problems
 - APEL – must publish accounting – test will be critical
 - Working group on improving service management (inc middleware issues)
- **Speed of deployment of new versions of middleware**
- **Use of PPS ...**
- **Reliability and manageability of services**
 - Now critical for LCG – perhaps biggest outstanding issue for continuous operations

- **Improve the information collected and maintained on VOs, both to improve the level of detail, e.g. number of sites and resources used, and to permit tracking of the evolution of the behaviour and needs of VOs.**
- **Response:**
 - There is a great deal of information available in the grid service monitoring tools, accounting data, and other elements such as the job monitoring developments. Various views of this data exist, but usually at quite a detailed level. Thus, the data collected and the level of detail is probably sufficient, but what is missing is a concise overview and a historical view that shows the evolution of the behaviour of the VOs.
 - SA1 will develop high level dashboard-style summaries of the data, in order to compare resources available to resources consumed, and to provide overviews of the state of the infrastructure according to the needs of a VO. The data to build such views is already collected; early prototypes of such dashboard views are being designed. The needs of VOs are better tracked through dialogue with the VO managers. The current VO registration process facilitates this by providing a contact for each VO.

- **Encourage more of the unregistered VOs to register. This will enable the project to have fuller knowledge of grid usage and users' perceptions of the service.**
- **Response:**
 - The current VO registration process provides some benefit to the VOs: it enhances their visibility, allows NA4 to dialog with them about their needs, and allows new users to find and register with the VO. The data collected on the VO is gathered into the "VO ID cards" which summarise all of the data required in order for the VO to be configured and supported at a site, including important contact information, and the aims of the VO. These ID cards are used to automatically generate the configuration data to be used by the configuration tool that is run by a site to enable a VO. It is proposed that this ID card mechanism be the unique way in which this data is provided for the configuration, and that without this data there will be no support from the project for enabling a VO at a site. Of course a site is free to configure non-registered VOs manually without project registration, but this will be at a low-level.
 - Site managers have requested this mechanism to be enforced, as it ensures that they have the full information about a VO available in a standard way, so that they can be clear about whether a specific VO should be allowed to use the site.
 - This mechanism and its enforcement will be prominently advertised, the benefit to the VOs will be a much simpler and straightforward registration process as well as greatly improved response from the sites in enabling registered VOs.