

GridMap Project Update

CERN openlab II Quarterly Review
29 Jan 2008

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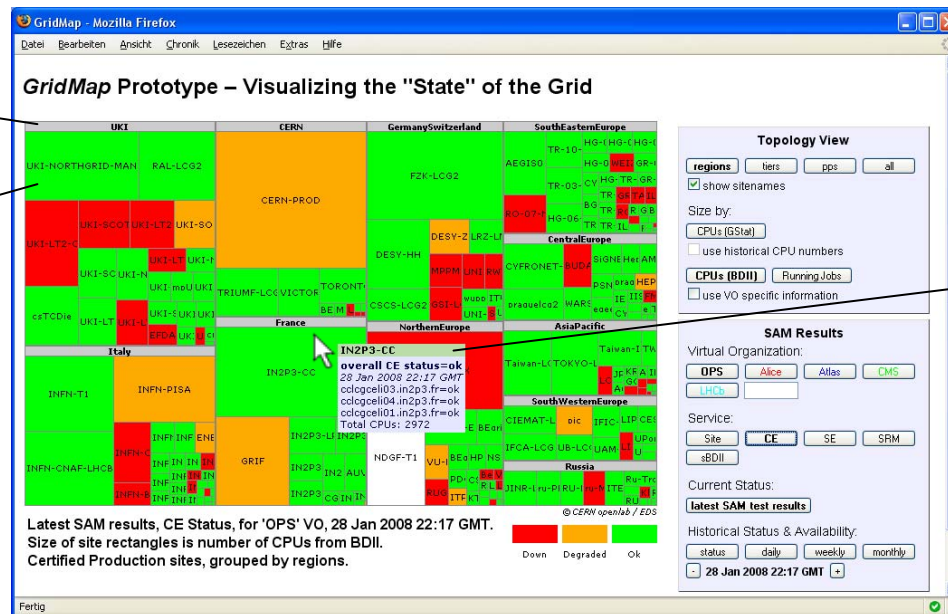


- Top-level visualization of distributed systems*
- Prototype deployed since EGEE'07
1st version Oct 2007, 2nd version Nov 2007, Link: <http://gridmap.cern.ch>

region

site

- size = #CPUs
- colour = status or availability



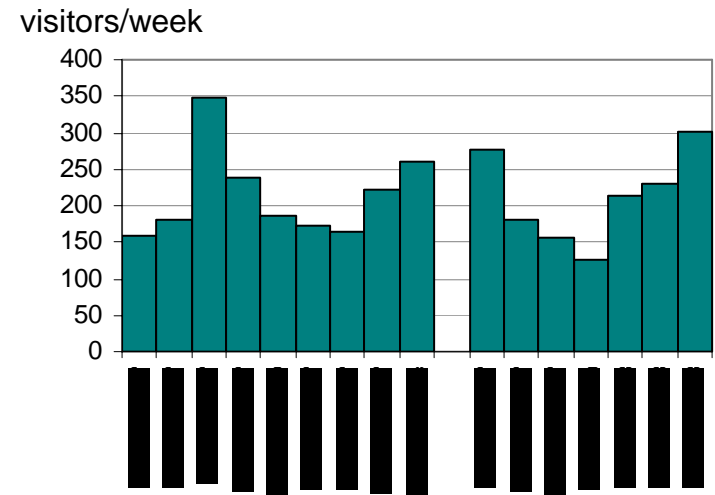
details, links to monitoring tool

- GridMaps visually correlate "importance" to status

* Patent Pending

so far...

- accessed by ~1500 different hosts (Oct 2007 – Jan 2008)
- integrated into
 - [CIC Operations Portal](#)
- used daily by CERN IT
 - and many other Grid people
- News coverage
 - [International Science Grid This Week: Link of the Week](#), 17 Oct 2007
 - [GridPP News](#), 24 Oct 2007
 - [CERN Computer Newsletter](#), Nov-Dec 2007



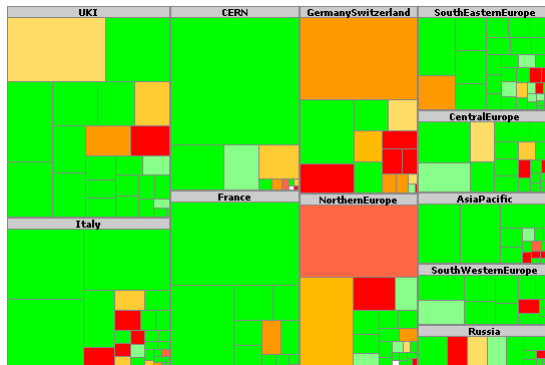
New Features

- "Central Services"
- Availability, Reliability, Maintenance

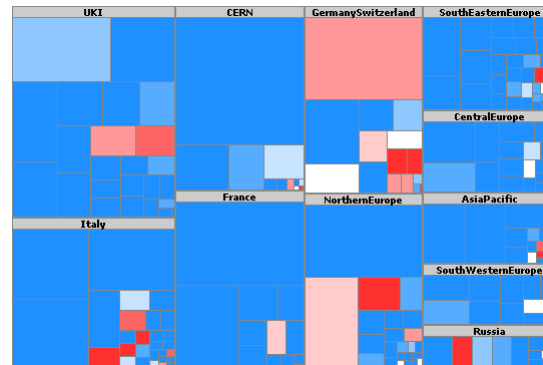
Central Services:

FTS
 LFC
 VOBOX
 BDII
 RB

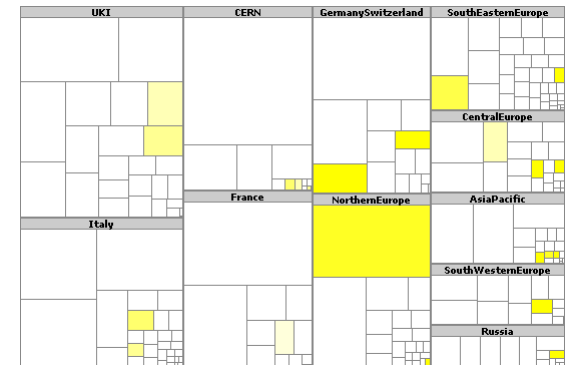
Availability



Reliability



Maintenance



Link to development version: http://gridmap.cern.ch/gm/gridmap_dev.html

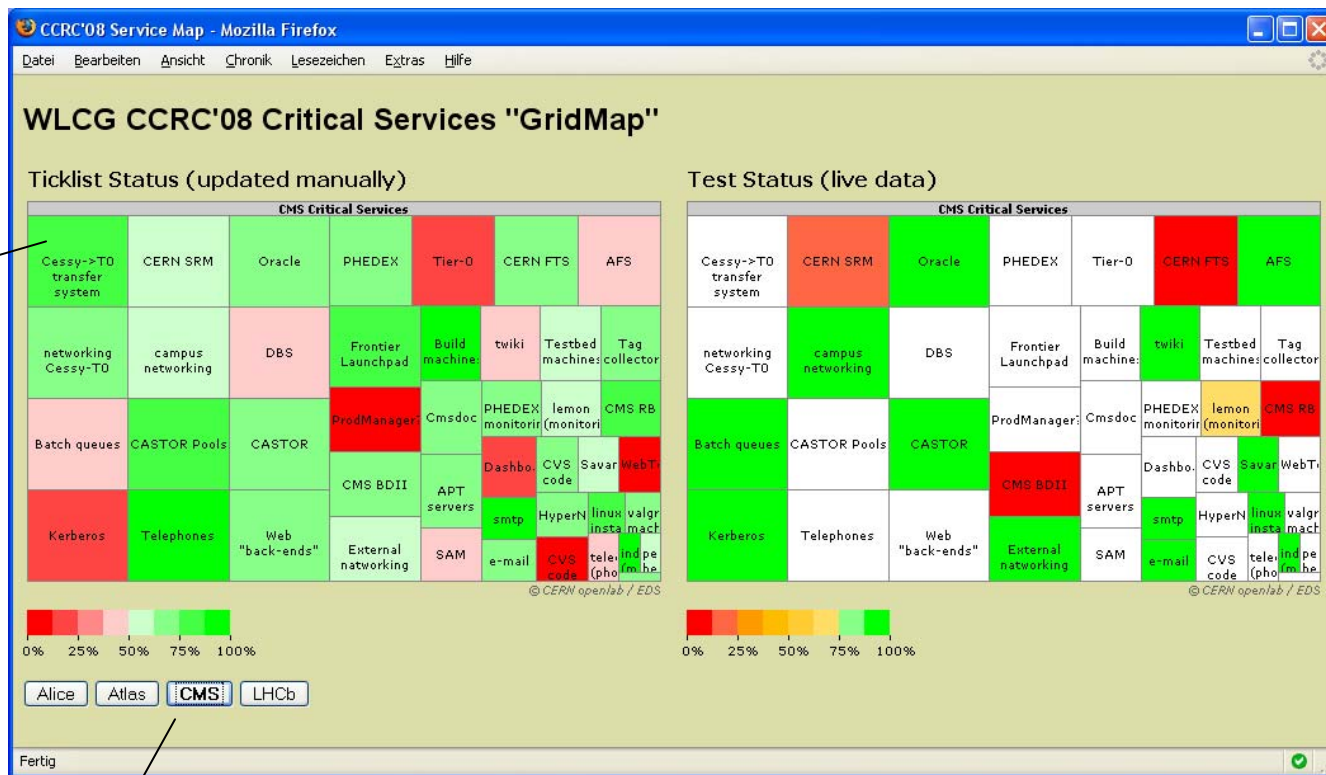
- CCRC'08 (Common Computing Readiness Challenge 2008)
- "Integration Test" of services for experiments
<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGCommonComputingReadinessChallenges>
- 4 major LHC experiments define their
 - list of services
 - criticality levels

Idea: Visualize service readiness with *GridMaps*



CCRC'08 Service Map

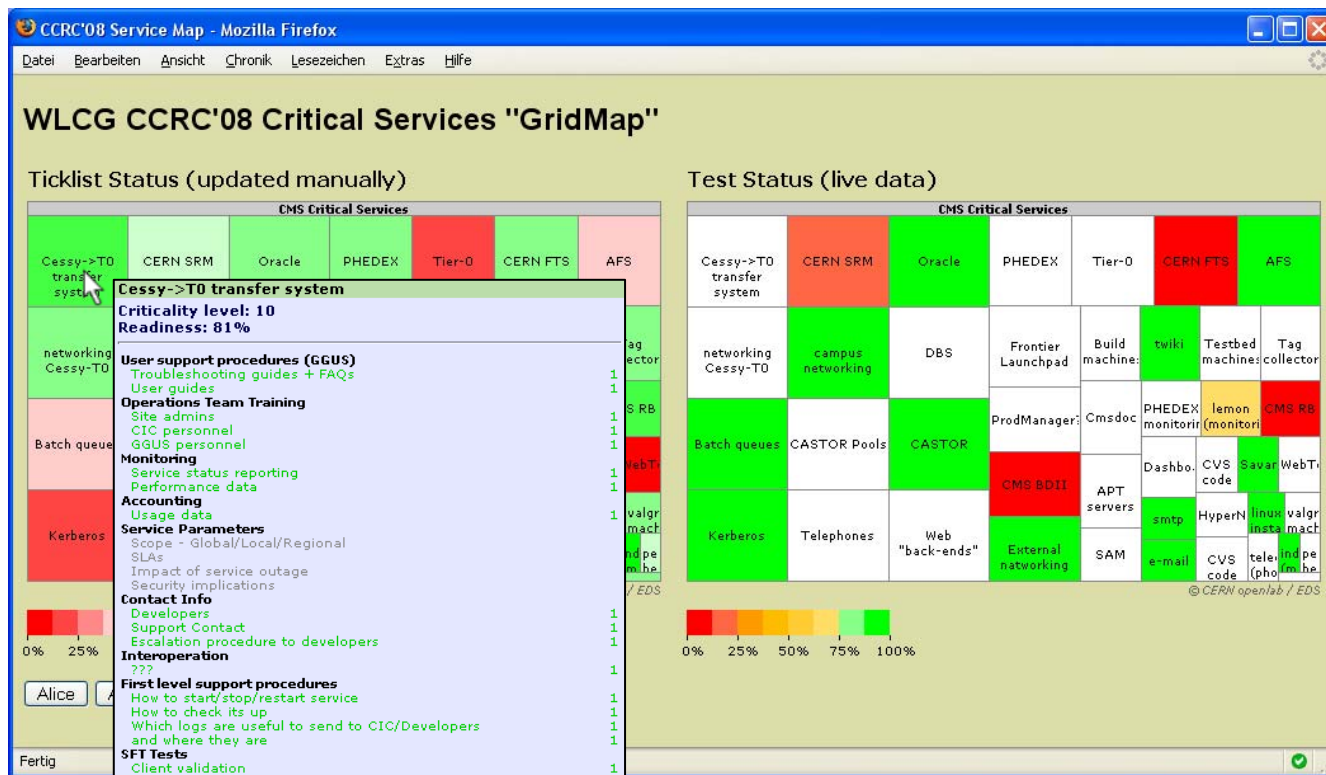
rect = service
size = criticality
colour = status



Experiment



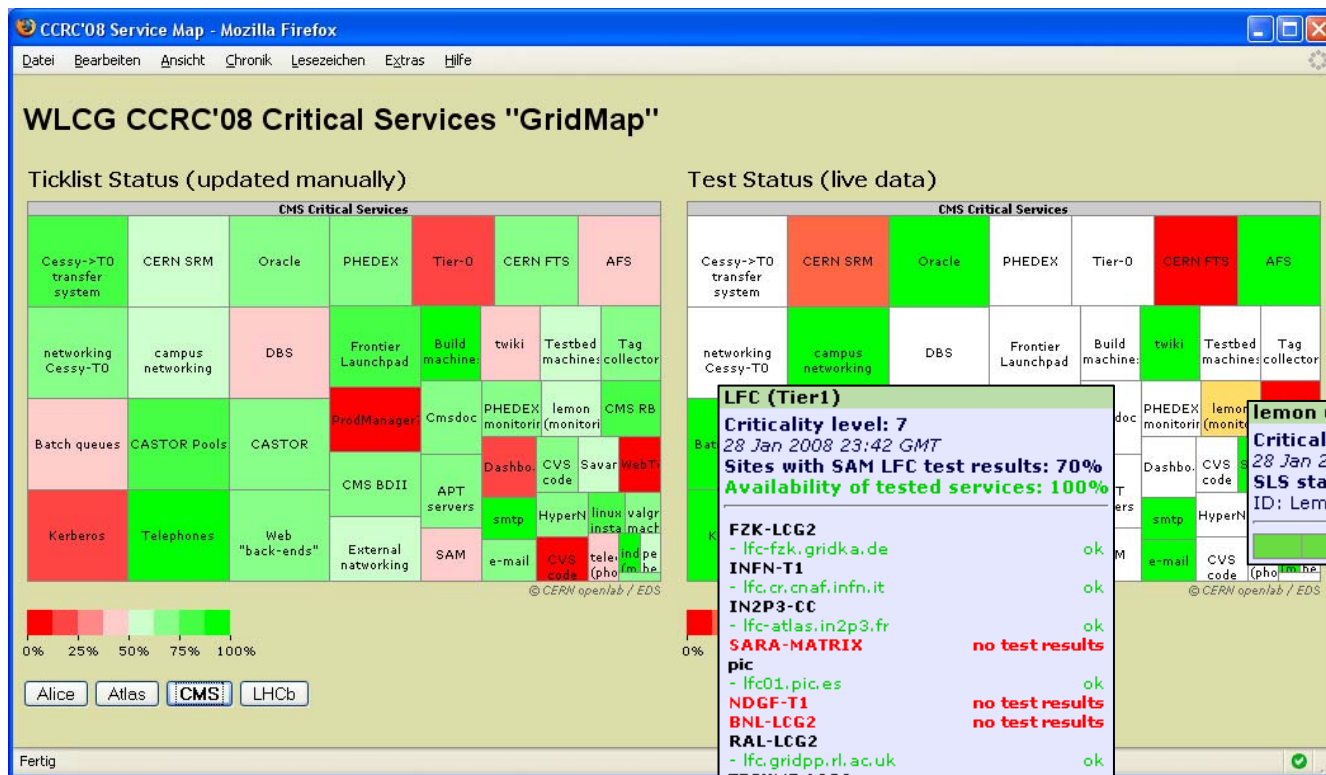
CCRC'08 Service Map



Checklist



CCRC'08 Service Map



SAM Status

SLS Status

Link: <http://gridmap.cern.ch/ccrc08/servicemap.html>

- Prepare *GridMap* package (v02) and documentation

- Improve CCRC'08 Service Map

- New use cases / applications ?
 - CERN (e.g. FTS monitoring, BDII data visualization, ...)
 - EDS customers