



HP in LCG

Update Sept 2004 for the LCG GDB

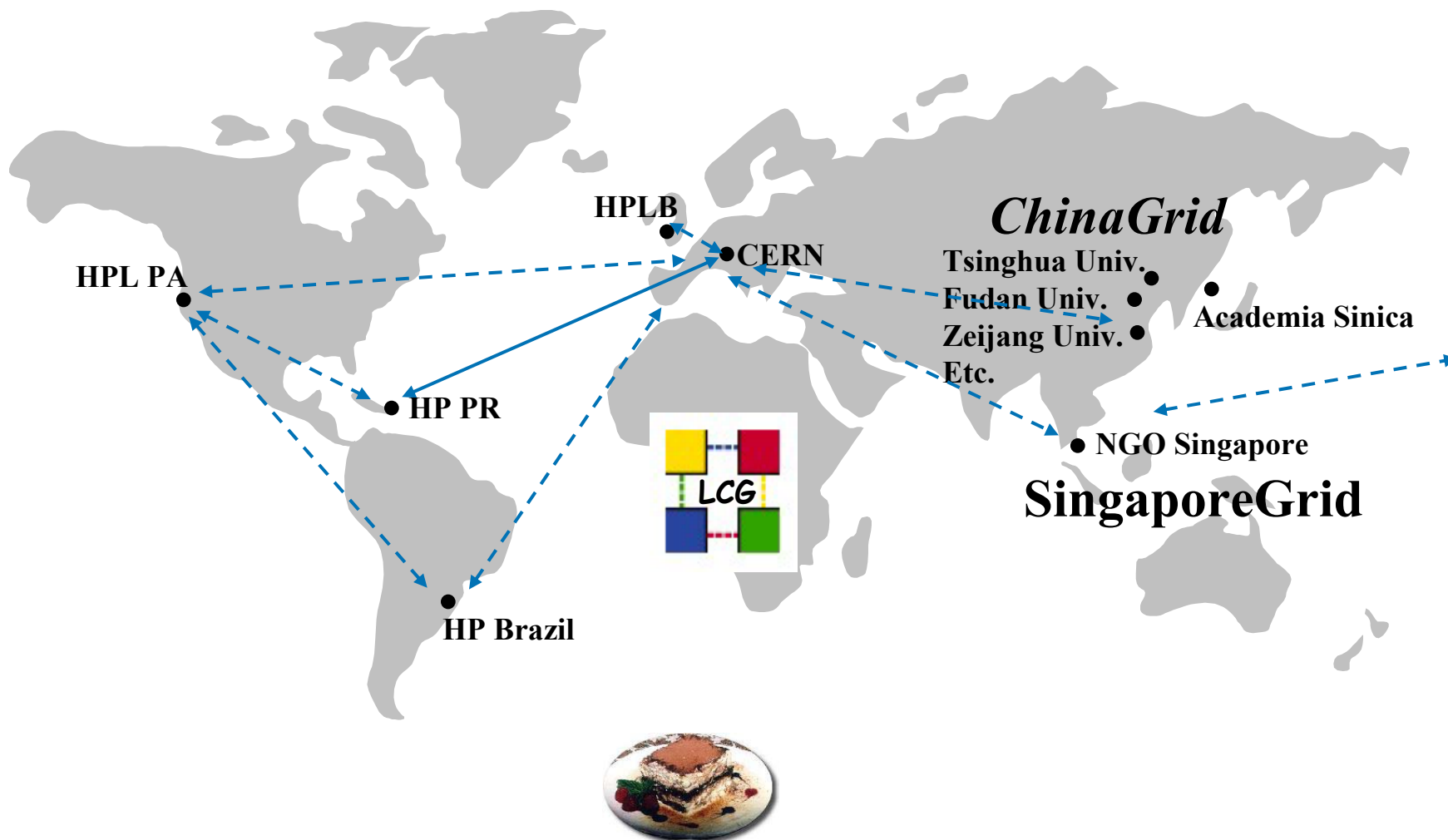
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Relations

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HP participation in LCG



Status of HP participation in EGEE/LCG

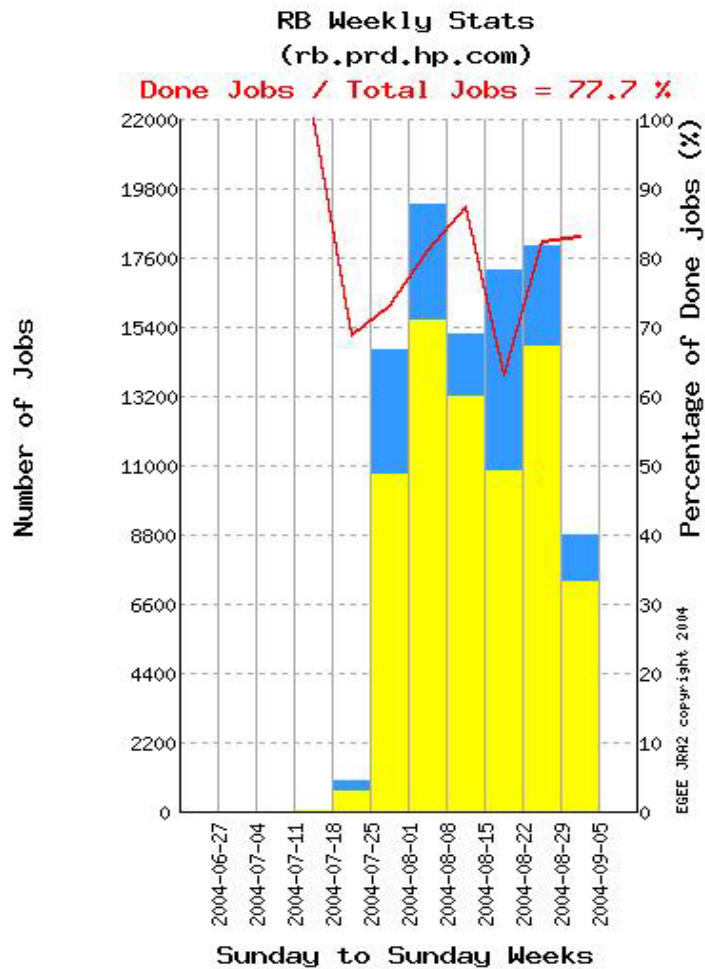


- HP sites connected to LCG:
 - Puerto Rico: Tests successful, Operational since 1 month with LHCb
 - Bristol: Equipment installed, SW installation starting soon
 - Palo Alto: Equipment in place, SW installation in November
 - Brazil: in preparation (with CMS)
 - NGO Singapore: cluster installed, installation of SW pending

- Utility Computing Resource Allocation model ready (Tycoon)

- Possibility to run industrial applications on EGEE/LCG:
 - Digital Media (Rendering) with HPLB: application ready
 - Digital Publishing with HPPR, Unesco and Purdue: in preparation
 - BioInformatics with NGO Singapore, SIB and HPLB: in preparation

Status of HP Puerto Rico Operations in LCG



Indicator Definition

RB: rb.prd.hp.com (prod)

Type: RB

Last 10 Weeks

Total Jobs
Done Jobs

More details...

Submit

Results and Opportunities

- All LCG middleware ported and tested on Itanium
- HP Grid Operation benchmarks - first results:
 - Efficiency up to 80% inside LCG
 - Data Challenge with rx2600:
 - 7Gb/s for memory to memory (mid 2004)
 - 3.3Gb/s for disk to disk
- Opportunities:
 - Data Challenge with rx4640: up to 10Gb/s
 - Efficiency of other HP sites – Operation track records
 - Operations with new applications (Rendering, Bio, Publishing)
- Testbed for Utility Computing resource allocation model