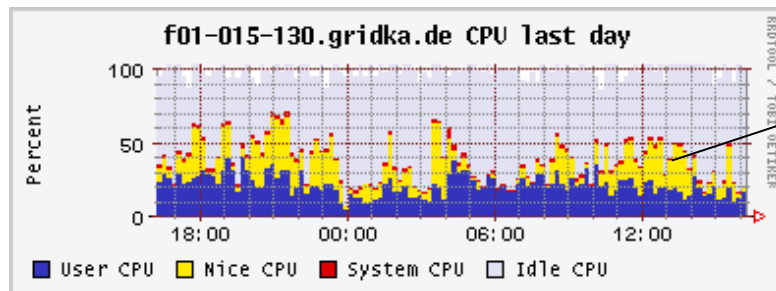


# FTS @ FZK/GridKa

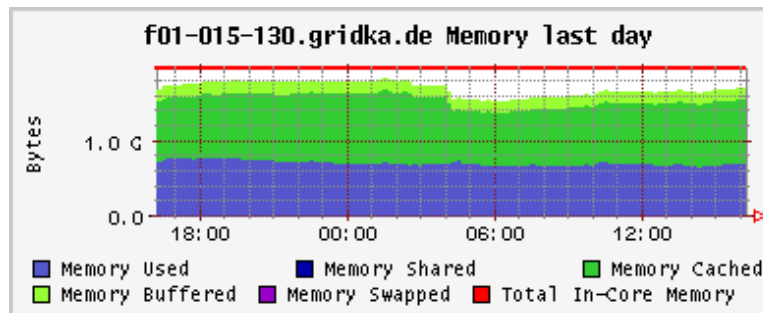
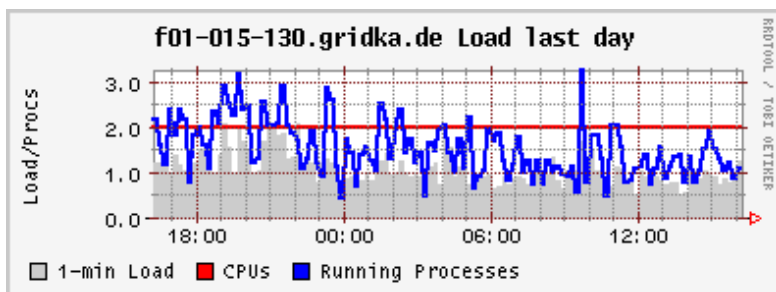
andreas.heiss@iwr.fzk.de  
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## Current situation:

- One machine (dual Xeon 3.2 GHz, 2GB RAM) running all VO- and channel agents and web service.
- 29 channels (19 STAR-channels, no dedicated T1↔T2 channels)
- 7 VO agents (4 experiments + dteam, ops, dech)
- Oracle database on extra machine (dual Xeon 3.0GHz, 1GB RAM)



gmetric-fts.pl script for  
Ganglia job statistics  
(thanks to M. P. Hodges, RAL!)

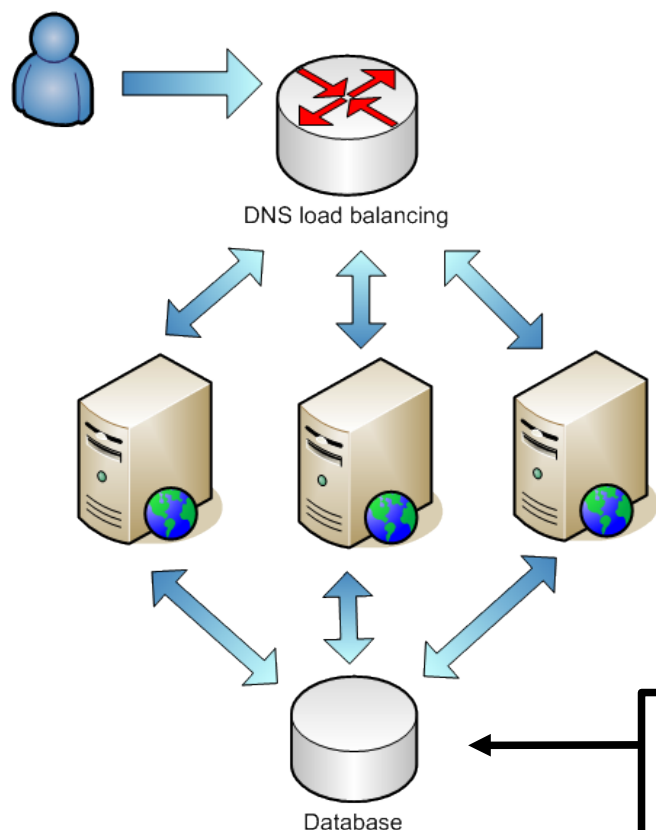


Machine load ok, but probably need another machine to run further channel agents!

## 2007:

### 3 dual Xeon machines (IBM blades)

- each machine running a web service
- VO- and channel agents distributed on the 3 nodes
- Dedicated T1↔T2 channels to and from (at least) the big Tier-2 sites.
- Oracle RAC



### In case of a node failure:

- Start daemons ran on failed node temporarily on the two remaining nodes. *Is this feasible?* (yes, there will also be a spare node)
- *DNS load balancing?*
- *Virtualisation? → to be tested.*

Web service on all nodes,  
VO- and channel agents  
distributed over all nodes.

RAC on 2 nodes (later: 2+2 nodes)  
shared with LFC.

## Questions:

- Monitoring:
  - How to find corresponding log-file to a given request ID?
- Use BDII instead of services.xml?
- Use of channel type “SRMCP”?
- Log files when agents run on different nodes? DB logging?
- Channel- and VO manager policy?
- myproxy: currently single point of failure for the whole LCG.