German Site Report

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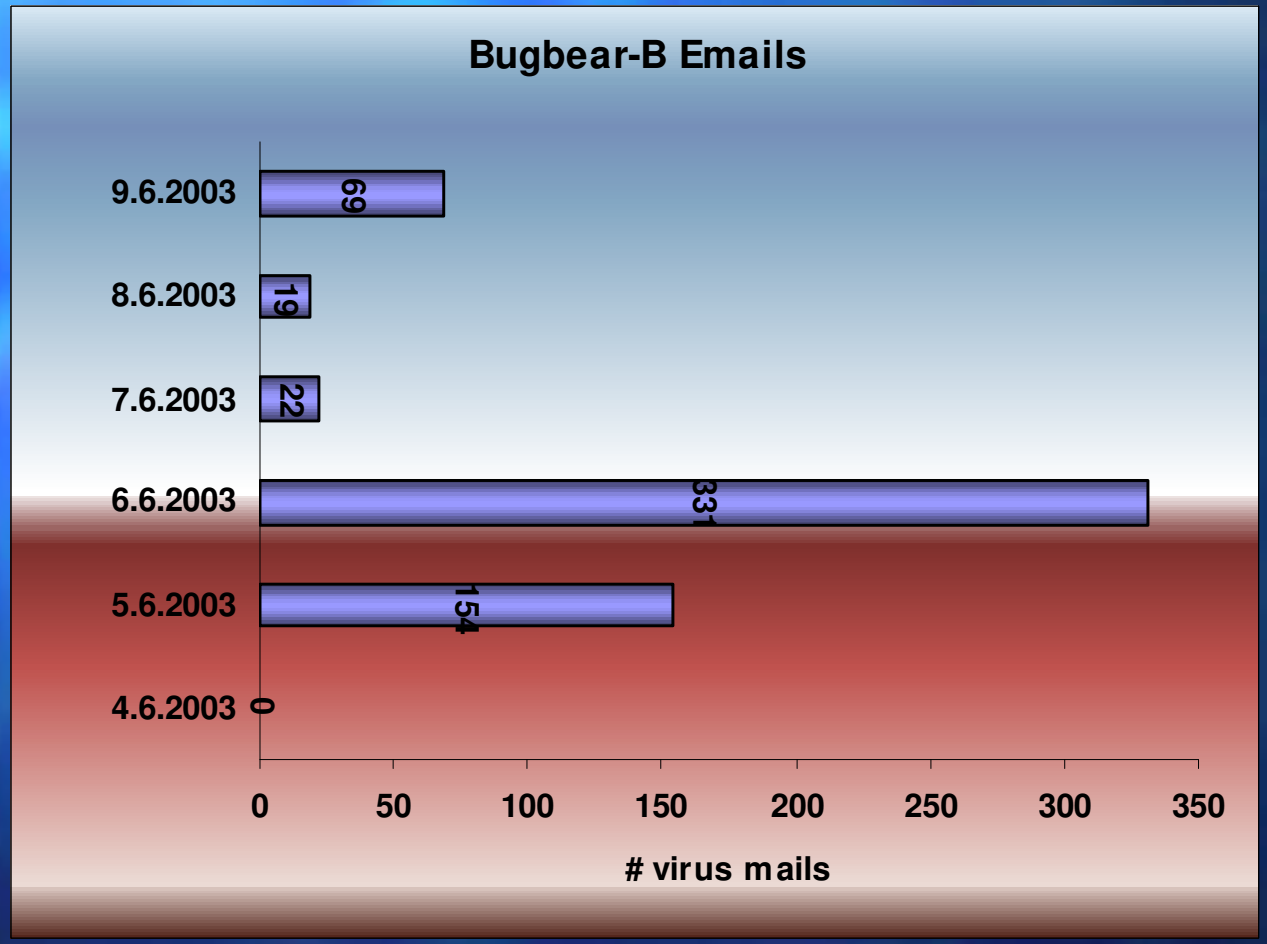
DESY

- Lab-wide spam filter in production
  - integrated solution for both UNIX (mail.desy.de) and Windows (ntmail.desy.de) mail servers
  - commercial tool upstream of main mail servers
  - also virus filtering
  - real-time blacklisting, flagging, opt-in
  - also whitelists (HEP labs) under discussion

Email Virus Detection



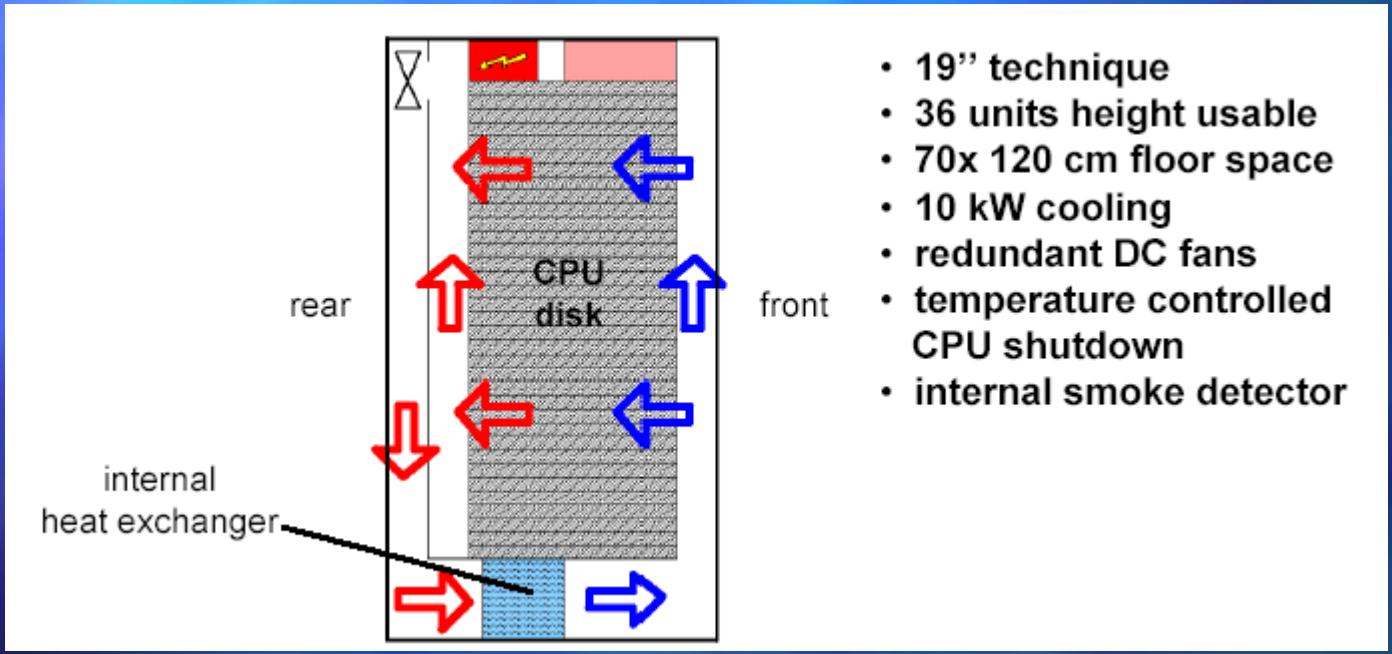
DESY (cont'd)

- This might be a general issue
  - Whitelists could distinguish HEP traffic and allow more rigid filtering on non-HEP traffic
  - but how to make sure about the sender?
- Possible solution: corporate signatures
  - HEP institutes could sign outgoing mail automatically (small version of PKI)
  - would this be feasible in HEP?

GridKA Karlsruhe

- CPU installation 188 dual PIII/PIV (about 23 kSi95, > 500 Gflops peak)
  - newest systems are mounted in watercooled 19” racks
- Online disk storage: 45 TB net
- Tape storage: 110 TB (LTO Ultrium)

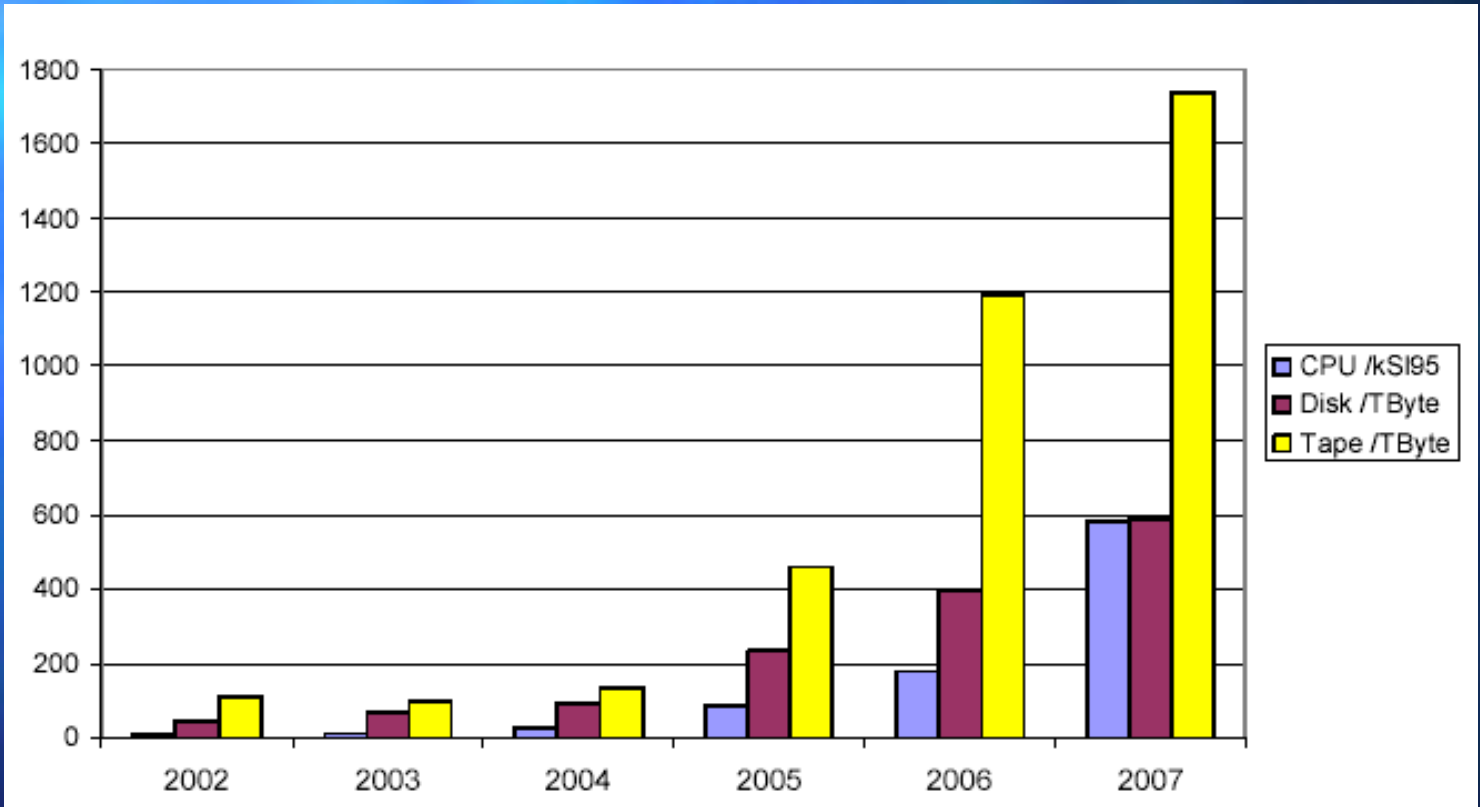
Water-Cooled Racks



from: H. Marten (GridKa)

- Joint development of FZ Karlsruhe & Knürr Company
- Estimated cost reduction >70% compared to air conditioning
- 12 kW/m^2

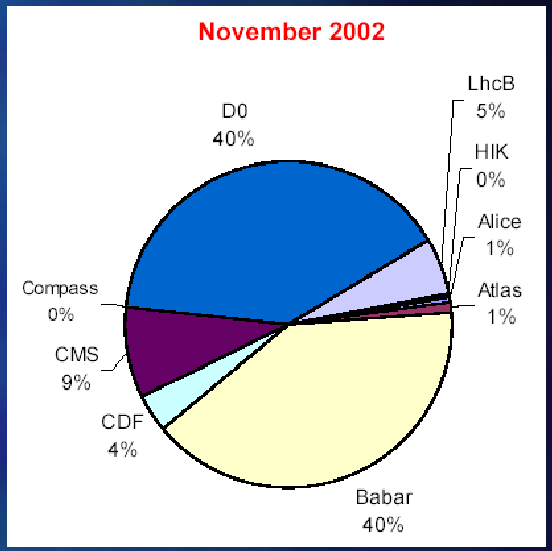
GridKa: Upgrade Plans



from: H. Marten (GridKa)

GridKA (cont'd)

- BaBar Tier-B upgraded to Tier-A
  - MC production, grid competence
  - motivated additional 10 kSi95 CPU
- DZero: prototype of Regional Analysis Centre (SAM), 1 TB of thumbnail data
- LHCb: physics data challenge
  - 4.4 M events, 15 centres
  - 11% by GridKA (3rd largest)



CPU fractions

D-Grid

- German national grid initiative in the making (kick-off 7-Feb-2003)
- HGF institutes (including DESY +KA), MPG+FG, other centres (ZIB, ...), Universities, DFN
- Strategy paper this summer