

# HEPiX CASPUR

Highlights and Comments

# Computer Room Issues

- Computer room cooling and air conditioning systems: mentioned in a majority of site reports, either at the rack or building level. Several sites are having to build or equip new computer rooms to get past capacity restrictions in existing facilities.
- Highlight – the talk from Intel

# Benchmarks

- As usual at recent HEPiX meetings, there were a number of benchmarks presented with very detailed overheads – well worth a look if you are interested in performance or costs
- These benchmarks should be compiled into one place, for example on the HEPiX web site. I started this 2 years ago (see <http://wwwhepix.web.cern.ch/wwwhepix/performance.html>) but have not found time to work on it for 18 months. Would love to discuss with a volunteer to update the site with talks at the last few meetings including this one

# Hardware

- Processors -- buy dual-core Opterons and don't be afraid of running in 64 bit compatibility but there is a boost in performance if you can recompile to true 64 bit
- Technology reviews on Storage Day

# Optimisation and Performance

- Popular subject and one which we should probably continue to schedule
- Highlights – excellent tutorials/talks from Sverre and Rene

# Collaborations

- Inter-site collaborations are alive and well, and not only in the area of grids
- The number of tools and products in common use grows steadily but usually without any fanfare – more as a matter of course now
- New verb – to “quattorise” your software
- And thanks to Michel for spotting CERN dependencies in our code

# Networking

- Mmmmmmmmmmm
- Proof (yet again) that most of us are lost without networking and/or e-mail
- The interrupts in the latter half of the week are a good argument for MAC address registration

# Future Meetings

- Fall 2006 – Jefferson Lab – Oct 9 to 13
- Spring 2007 – DESY Hamburg (date unknown)
- Fall 2007 – Fermilab (tentative)
- Spring 2008 – CERN (date unknown)



# Meeting Format

- New-style HEPiX meeting agenda
  - split the week into topics.
  - Was it a success?
  - How to judge
  - it certainly brought in new speakers and some new participants.
  - Should we repeat?
  - Every meeting or every other meeting

# Thanks

- First, many thanks to Andre and his team of helpers
- Thanks to CASPUR and to CNR for hosting this event
- Thanks to the speakers and topic conveners
- And thanks to everyone and see you in JLab on October 9<sup>th</sup>