Remote Computing at RAL

a *NON*-working model

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History and Consequences

- prior to December 2009, worked remotely by logging into heplnw17 and X-forwarding
  - slow, but worked
  - could develop, test, and repair EPICS code

- December 2009 - 1/4 of a year ago - heplnw17 died
  - no more remote access
  - cannot fix problems during MICE runs remotely
  - twice called and verbally talked shifters through repair
  - lucky – would expect to have problems which require searching
  - remote development halted
  - remote maintenance halted – could not contribute to CAM upgrades

- FINALLY have remote access
  - account on bastion0 and PPD cluster (+ VPN access)
  - no scp
  - no X-forwarding
  - still awaiting MICE bastion account
Needs and Suggestions

• Present model does NOT work!!!

• Most of MICE are remote users

• MUST have infrastructure that supports those users

• Bottleneck exists at site boundary, not internal to MICE

• Infrastructure support MUST come from those controlling the boundary

• Working models exist
  – Fermilab and CERN both have sensitive networks
  – each lab supports thousands of remote users