

A Munich T2

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Overview

- ▶ A “Federated” Munich T2
- ▶ The LMU Situation
- ▶ The MPI Situation
- ▶ Issues - to address
- ▶ Outlook

Federated T2

- ▶ Aim to provide an “Average” ATLAS T2
- ▶ Resources from LMU and MPI computing centers (LRZ/RZG) to be used
- ▶ The situation at the two centers is quite different
- ▶ Hope that by sharing knowledge and resources we can produce a strong T2

The LMU/LRZ Situation

- ▶ Currently - University Linux cluster running SUSE9
- ▶ Contributed to DC2/Rome Via NorduGrid
- ▶ Have LCG testbed of 4 machines CE/SE/UI/WN - SLC3 - stand alone
- ▶ LRZ is set to move next year - no new hardware until then
- ▶ Aim to have a dedicated linux cluster, where we have more control over the linux flavour etc
- ▶ But - it would be good to opportunistically use the shared cluster also

The MPI/RZG Situation

- ▶ 140 CPUs on 70 nodes IBM BladeCenter, 30% dedicated to ATLAS
- ▶ various releases of ATLAS sw installed with kit/pacman, running MC production
- ▶ 24TB Disk, approx 30% dedicated to ATLAS
- ▶ LCG servers located at MPI, connected to RZG via afs and SGE clients installed by FZK person (praise!)
- ▶ System still needs some testing - for ATLAS at least

Issues

- ▶ Linux Flavour
- ▶ In a Federated T2 what do we share?
 - ▶ CE - ATLAS software deployment
 - ▶ Shared Filesystem
 - ▶ SE - DDM software needs to be deployed
 - ▶ VOBOX
 - ▶ Database server?
- ▶ Shared resources could be placed at same site, would prob be easier
- ▶ Funding - for LMU/LRZ

Outlook

- ▶ Continue with setup and testing of both systems
- ▶ Aim to contribute to ATLAS Production CSC - was DC3
- ▶ The relocation of LRZ will have an impact on how much we can do there