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WIR SCHAFFEN WISSEN – HEUTE FÜR MORGEN

Derek Feichtinger ::

HPCE update

AWI Department Meeting 6. 3. 2023

Outline

TransAlps project

- got privileged access to our Alps testbed nodes
  - since VLAN technology not yet ready, CSCS made this now possible before the network segregation to allow us to work on the system
  - required the singing of a special security document

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  - required the singing of a special security document
- Integration work on Alps testbed
  - Systems are provisioned with PSI identities
    - using a temporary LDAP server at CSCS containing subset of PSI AD information
  - AFS (Auristor) is available on the test nodes
  - test Lustre file system available on old HW also integrated with PSI LDAP information

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TransAlps project pricing/funding

- First pricing information given by CSCS
  - Still preliminary for GPU and storage
  - higher pricing since we are required to buy enterprise GPU for BIO
  - higher pricing for high IOPS storage that needs to be constructed on a separate NVME based Lustre pool
- Funding
  - Process for understanding PSI HPC funding 2024-28 on Alps
  - setting up meetings with stakeholders to iterate on budget contributions and sizing (GFA, BIO, NUM epxeriments: MeG and Mu3e, SCD labs)

Other HPCE News

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- Positions
  - OpenEM project (Spencer)
    - there will be 6 positions for scientific IT at various Swiss academic institutions for OpenEM
    - If people have coleagues interested to join these projects, please contact Spencer
  - HPCE BIO support
    - we will have a 2y position for BIO IT HPC support within HPCE (replaces Spencer's role for this time)