**Annual Meeting of the BMBF-funded Research Compound
"Föderiertes Computing für die ATLAS- und CMS-Experimente am Large Hadron Collider in Run-3"**

Status Universität Hamburg
"Computing für das CMS-Experiment in Run-3"

Johannes Haller, Johannes Lange, Hartmut Stadie
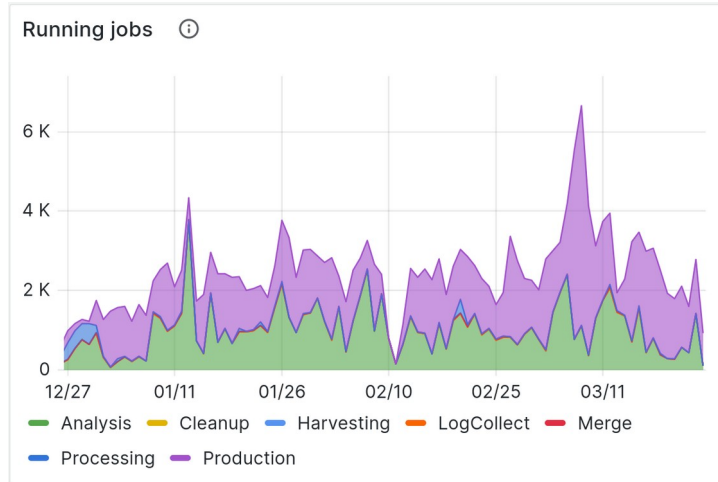(Universität Hamburg)

Person power & funding

- combined computing funding $1 \frac{2}{3}$ FTE: **A+C Computing in Run 3** (1) + FIDIUM ($\frac{2}{3}$)

  - 1 FTE fully financing 1 PostDoc

  - two PhD students $\frac{1}{3}$ FTE each
    (another $\frac{1}{3}$ FTE each from local CMS analysis project)

  → assures good integration of **A+C Computing in Run 3**
    with analysis activities and FIDIUM project

- further involved staff ("Eigenmittel"):
  - (Johannes Haller)
  - JL
  - Hartmut Stadie
- hardware purchases (from group funds) mainly go into the general NAF CMS pool
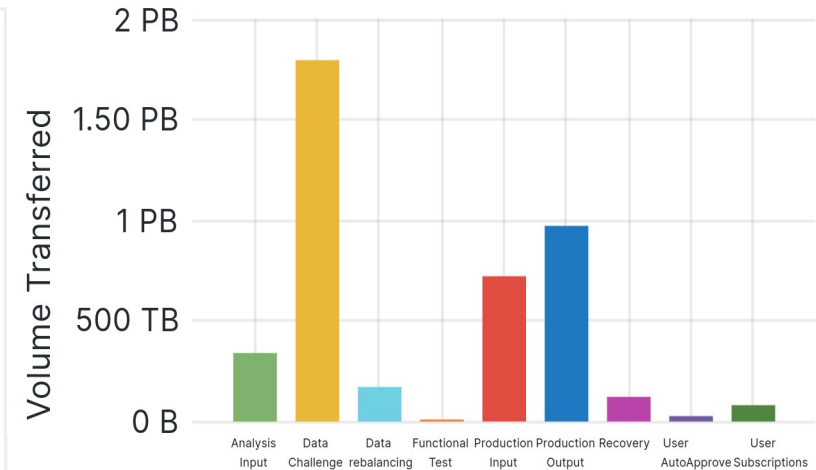
Task overview

- A: Tier-2 specific tasks

  - operations and quality assurance of CMS-specific services

  - development and adaption of common tools

  - user space management at Tier-2

- B: User support

  - user support T1&T2

  - user support for the NAF and CMS utilization of the NAF

  - development and adaption of common tools
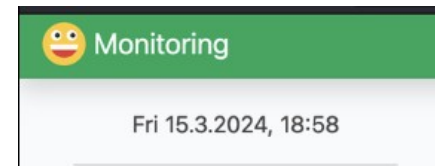
A: Tier-2 specific tasks (T2_DE_DESY)

— overall smooth
   operation

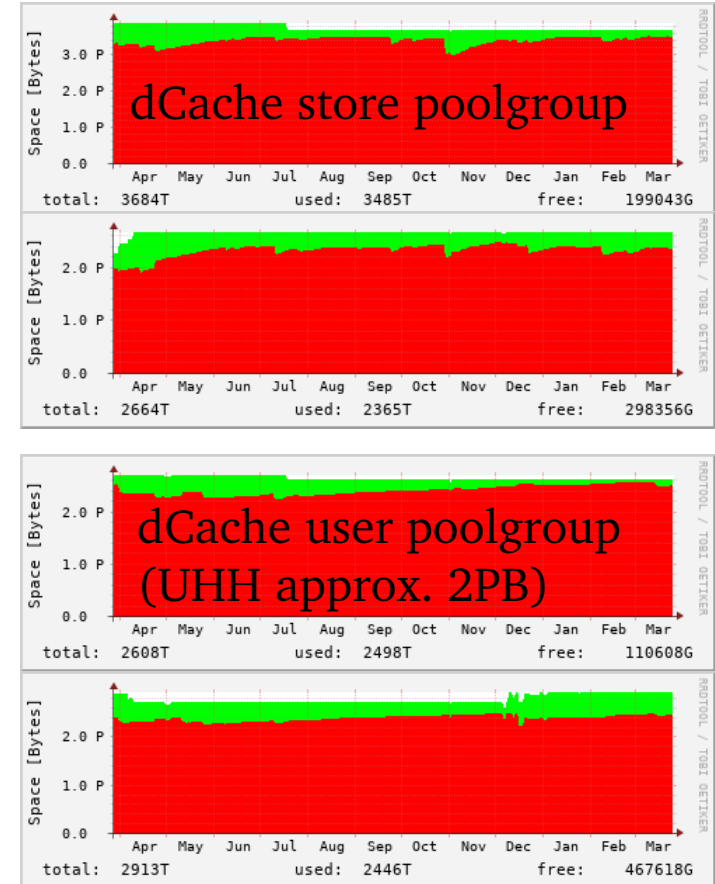

Total Volume Transferred   (6 months)

— PhD student working on adapting HappyFace4

😃 Monitoring

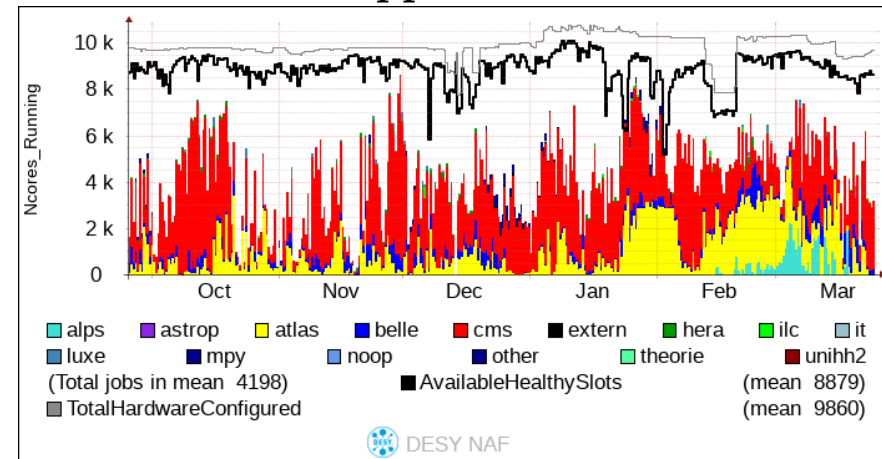Fri 15.3.2024, 18:58

A: Tier-2 specific tasks (T2_DE_DESY)

– adaptions of services to rucio usage

   – larger obstacles in the management esp. of local-user-created rules within CMS

   – lifetime policies for local-user-created rules work well

– user space manangement continuously optimized

   – regular evaluation of access monitoring

   – automatic creation of user directories for D-CMS members

   – systematic determination of ex-users

dCache store poolgroup

dCache user poolgroup (UHH approx. 2PB)

B: User support

- contributing to Germany-wide CMS support team (T1, T2, NAF)

  - esp. responding to questions/problems related to tools developed in Hamburg

- NAF user support esp. wrt. environment changes

  - OS versions, multi factor authentication, …

- adaption of software environment(s) for CMS@NAF, usage of CMS data@NAF, representation in NAF user committee

- maintenance/development of the grid-control job submission tool (used less by local users)

NAF: total > 9000 cores
UHH approx. 2000 cores

Close cooperation with DESY colleagues

- roughly bi-weekly meeting with
  Christoph Wissing (CMS computing) and Christian Voß (IT)

- coordination of day-to-day business

Outlook

- continuation of basically all of the aforementioned items

- deployment and adaption of HappyFace4 for Hamburg

Thanks for your attention!