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

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# Person power & funding

- combined computing funding $1\ ^2/_3$ FTE: **A+C Computing in Run 3** (1) + FIDIUM ($^2/_3$)

  - 1 FTE fully financing 1 PostDoc
  - two PhD students $^1/_3$ FTE each
    (another $^1/_3$ 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

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
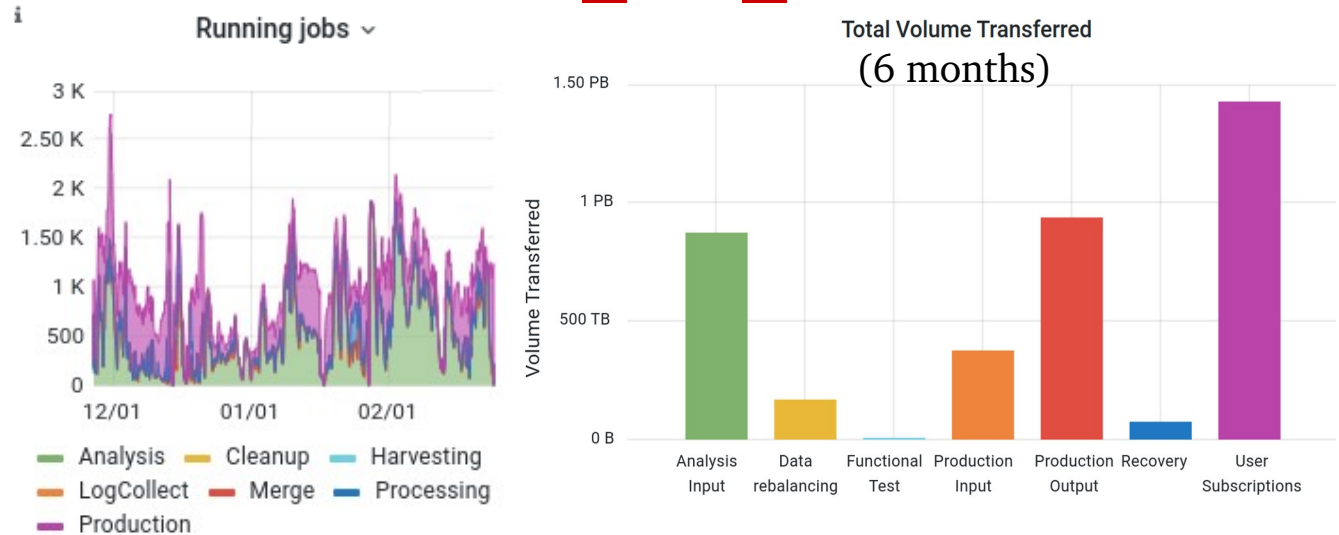
- move from GridKa-CA personal grid certificates to GÉANT caused many problems

  - some very specific to UHH (e.g., DN contains a comma) *(solved)*

  - some general (e.g., root CA not trusted by servers running services)
  (mostly solved, but student certificates do not work at all, yet – still trying to find the right experts for further debugging)

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

  – some are solved or "worked around", others still in active discussion in CMS

– user space manangement further optimized

  – regular evaluation of access monitoring

  – automatic creation of user directories for D-CMS members

  – systematic determination of ex-users

dCache store poolgroup
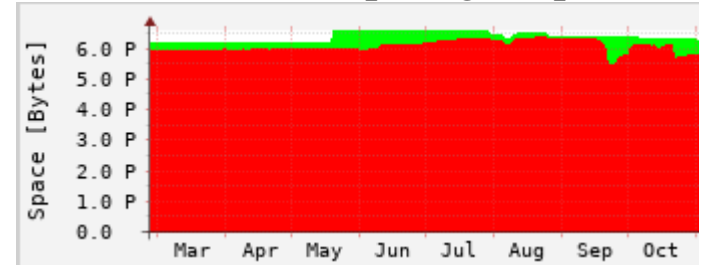
dCache user poolgroup
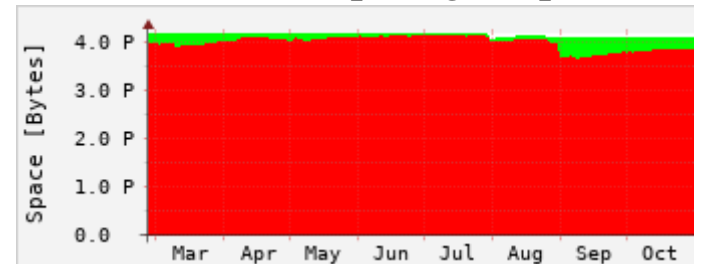
UHH approx. 2PB

B: User support

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

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

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

NAF: total > 9000 cores
UHH approx. 2000 cores

– maintenance/development of the
  grid-control job submission tool

  – transitions   PhEDEx → rucio,
                   siteDB   → CRIC
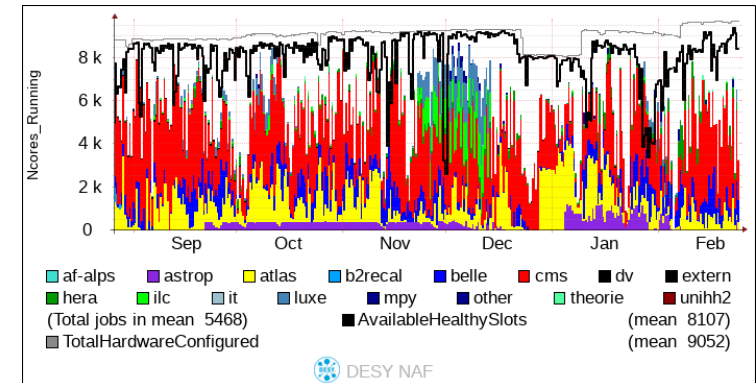
Outlook

- continuation of basically all of the aforementioned items
- deployment and adaption of HappyFace4 for Hamburg

Thanks for your attention!

BACKUP

Johannes Lange

Mandates in the computing area

Hartmut Stadie	CMS representative in the NAF users committee	since 2008
Marcel Rieger	Coordinator of the CMS "Machine learning production" group	06/2020-08/2022
Johannes Lange	Coordinator of the German CMS computing team	since 11/2021
Marcel Rieger	Coordinator of the "Workflows and Analysis Preservation" group	since 02/2023