

HPC working seminar for physicists

Scientific Computing Department at HIM

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bi-weekly meeting – 23.11.2021



Today's Topics

1. News

- TBit connection to GSI
- plans for Panda analysis

Questions to the users:

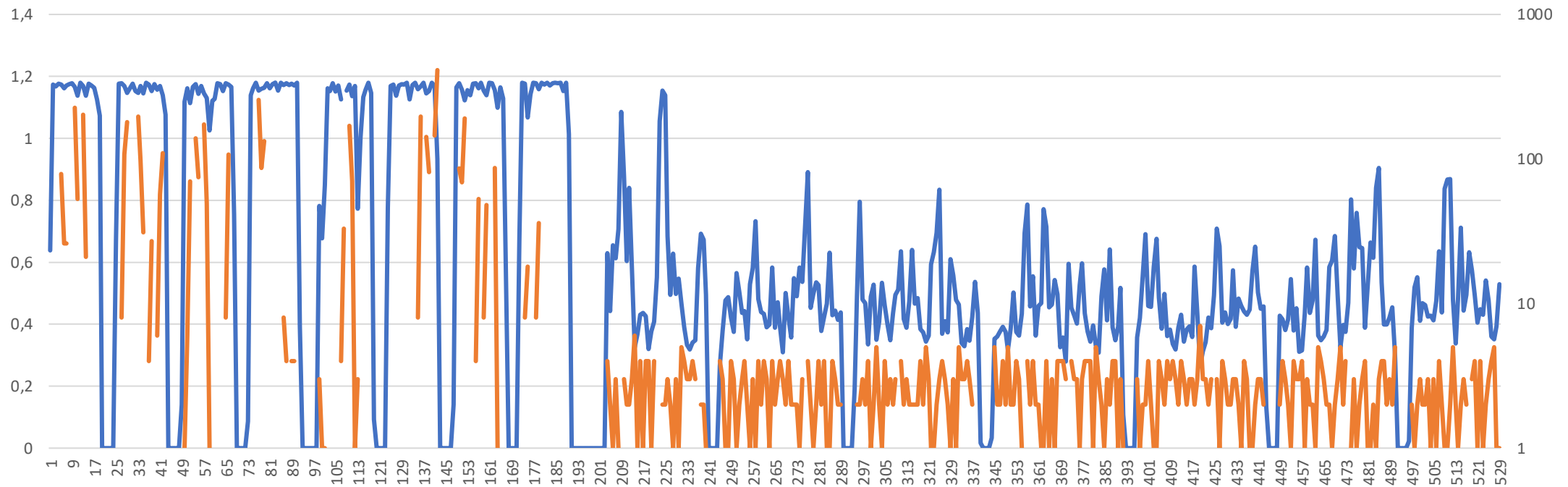
2. Vote for best time slot: <https://terminplaner4.dfn.de/Ini4dhZWEVrOHwiH>

3. your questions / discussion / requests to the maintainers

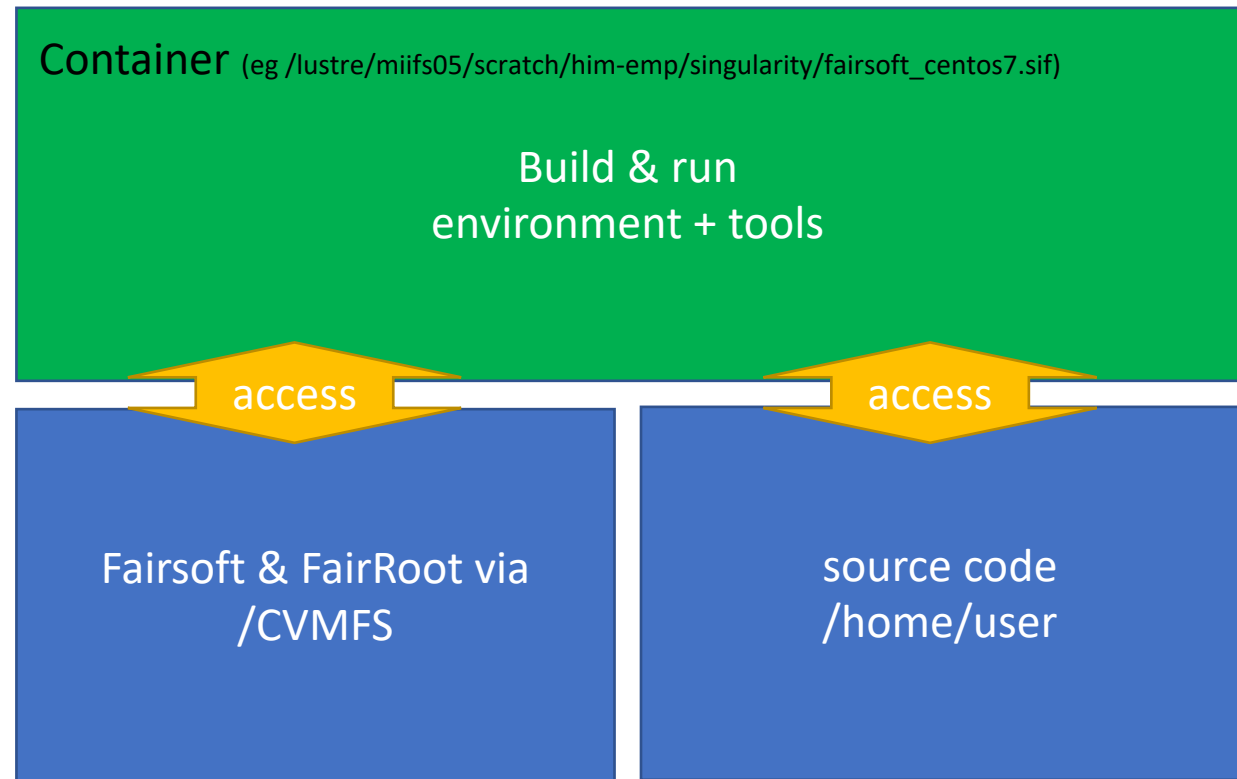
- compact in time (15mins + user questions/discussion).
- bring people together tackling the same problems
- minutes: <https://www.hi-mainz.de/research/computing/hpc-working-seminar/>

News

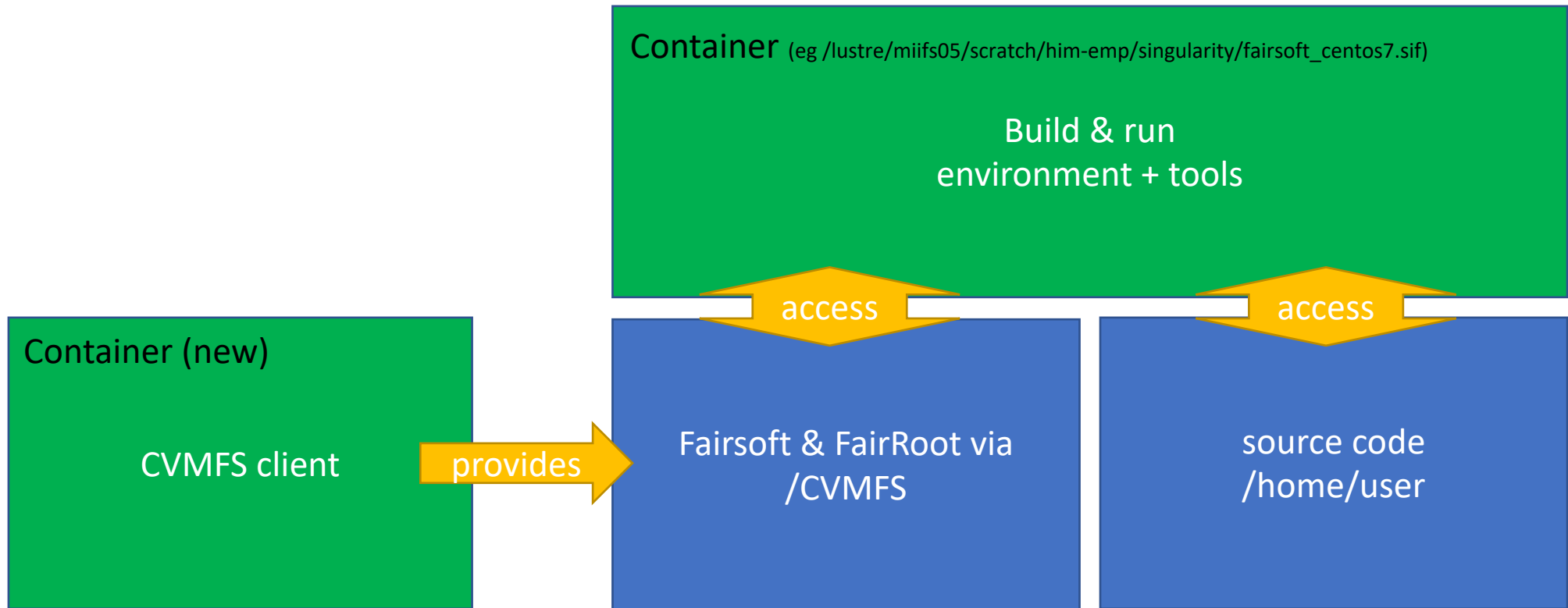
GSI Test Lustre File System mounted in Mainz, same data rates as locally. IOR: 1.0GBytes/s write, 1.1 Gbytes/s read



Containerised Analysis

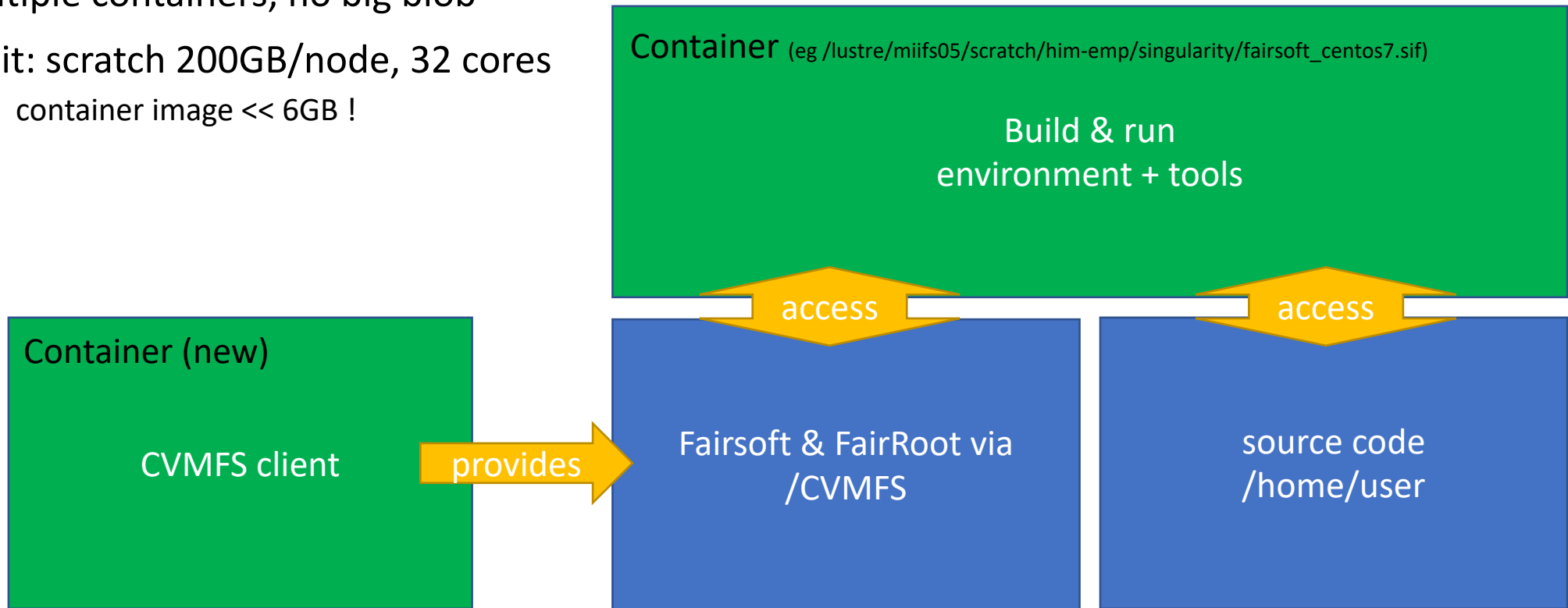


Containerised Analysis



Containerised Analysis

- multiple containers, no big blob
- Limit: scratch 200GB/node, 32 cores
 - container image \ll 6GB !



Presentation by Roman Klasen on 7th December for PandaRoot analysis

Your requests

- Problematic file transfer between data centers (Jülich, GSI, Mainz)
 - in the pipeline (GridFTP, UFTP or SCP?)
 - Who else encounters these problems: BES3, LatticeQCD
- Better time slot for this seminar?
 - doodle poll!
- What else needs improvement?

Next meeting, 7th December

- Last user group presentations
- This will be our last meeting in 2021. The next will be on 18th January.
- What to expect next time: on 7th December
 - presentation by Alaa on his work
 - introduction to Jupyter notebooks as batch jobs by Dalibor
 - multi container PandaRoot analysis by Roman
- Planning ahead:
 - detailed presentation of algorithms
- hand in your topics!