



Short-term future work

EESSI Community Meeting @ Amsterdam

16 Sept 2022

Build-and-deploy bot

- Get [PR#24](#) merged => build bot
- Implement deploy phase => build-and-deploy bot
- Run bot (only) on CitC @ AWS to build software for next EESSI pilot
 - Get software stack in place through PRs to `EESSI/software-layer` repository
- Also look into test phase (in between build and deploy)
- Iterate to improve bot as we learn how well it works...

New domain: `eessi.io`

- More appropriate (and shorter!) than `eessi-hpc.org`
 - We're not only focussing on HPC
- Move public website to this domain
 - Forward old domain
 - Maintain website contents via GitHub
- Switch all services to the new domain name (incl. Stratum-0, Stratum-1s)
- Rename the CernVM-FS repositories to `*.eessi.io`
- Note that we also still have `eessi-infra.org`

CernVM-FS Infrastructure

- **New Stratum 0**
 - Physical machine @ RUG (there's budget for this in MultiXscale)
 - Recreate masterkeys and store it on a couple of yubikeys to have a more secure setup
 - Very strict firewall and access policies (but more than 1 person with admin access)
 - Use publisher node(s) to ingest tarballs
- **Only use EESSI-managed Stratum 1 servers**
 - Small set of EESSI admins should have access to them (ideally)
 - Mix of Stratum 1s in the cloud (AWS, Azure) + HPC sites hosting them
- **Include our CernVM-FS config in the `cvmfs-config-default` package**
 - Everyone who installs CernVM-FS gets EESSI automatically!

New version of the EESSI software stack

- Still pilot, or make it an alpha/beta release?
 - Repository name: something like `<beta,prod,test>.<sw/soft/software>.eessi.i?`
 - Also see discussion and Ryan's recommendation for using an additional subdomain in <https://github.com/EESSI/filesystem-layer/issues/4>
 - Wait for new Stratum 0?
- Add more software and switch to newer toolchain
- Build all software using the bot
- Add CUDA support
- Drop `ppc64le` , start looking into `riscv64`
- Deprecate and remove 2021.06 (and 2021.12?)
 - Test procedures for storing it as a tarball + making a variable symlink?

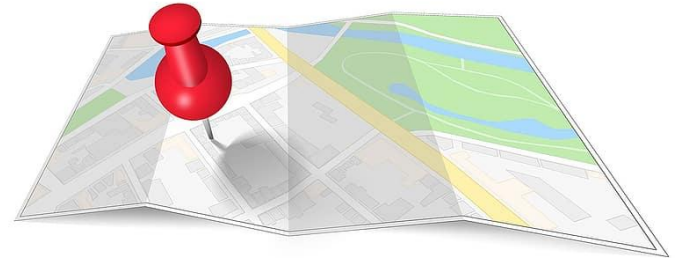
Next events

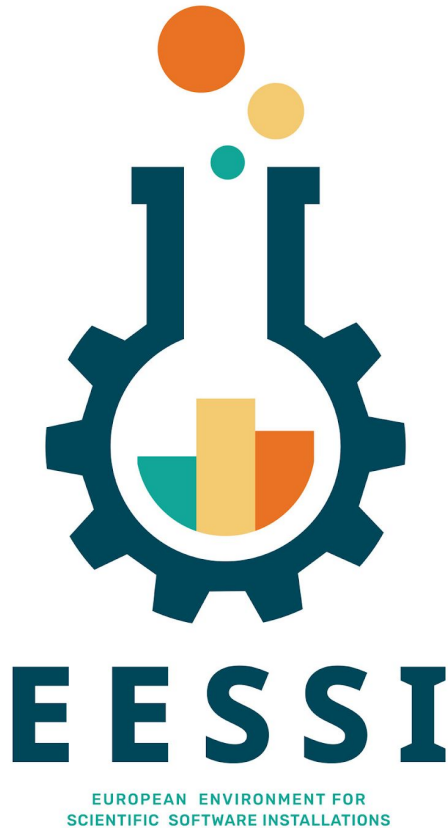
- Next EESSI hackathon

- Virtual via Zoom/Slack, cfr. Dec'21 + Jan'22
- Focused list of things to work on + “task leaders” to herd the cats joining the hackathon
- Full week, but no requirements w.r.t. how much time people spend on it
- “Experts” are around to help, answer questions, etc.
- Week before Christmas break in Dec'22?

- Next EESSI Community Meeting

- (Half-)Yearly meeting?
- Location?





Paper (open access): <https://doi.org/10.1002/spe.3075>

Website: <https://www.eessi-hpc.org>

Join our mailing list & Slack channel

<https://www.eessi-hpc.org/join>

Documentation: <https://eessi.github.io/docs>

GitHub: <https://github.com/eessi>

Twitter: [@eessi_hpc](https://twitter.com/eessi_hpc)

youtube.com/channel/UCKLS5X7_oMWhUrAZuzSwBxQ

Monthly online meetings (first Thursday, 2pm CEST)