



www.multixscale.eu

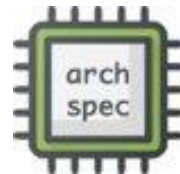
EESSI Happy Hour

Topic Series: A peek inside EESSI layers

Mondays at 14:00 CEST



CernVM-FS



Current session: Getting to Know EESSI: Compatibility and Software Layer(s)
<https://www.eessi.io/docs/training/2025/happy-hours-sessions>



Website: eessi.io

EESSI support portal:

gitlab.com/eessi/support

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<https://www.eessi.io/docs/training/2025/happy-hours-sessions>

Session Highlights:

- MultiXscale CoE at the European Researchers' Night

<https://lnkd.in/djRegpJn>

- Hackathon session in wake of EuroHPC User Days 2025 (Thursday 2 October 2025)

- EESSI compat layer(s)

- 2023.06
- 2025.06

- EESSI versions and software toolchains

- 2023.06 → foss-2022b / 2023a / 2023b
- 2025.06 → GCC-13.3.0 / 14.2.0
→ foss-2024a / 2025a

Deeper look into EESSI compat and software layers



EESSI CI/CD hackathon



CernVM-FS



EASYBUILD



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<https://www.eessi.io/docs/training/2025/happy-hours-sessions>

Session Highlights:

- EESSI software optimized for CPU micro architectures

```
/cvmfs/software.eessi.io/versions/2023.06/software
`-- linux
   |-- aarch64
   |   |-- generic
   |   |-- neoverse_n1
   |   `-- neoverse_v1
   `-- x86_64
       |-- amd
       |   |-- zen2
       |   |-- zen3
       |-- generic
       `-- intel
           |-- haswell
           `-- skylake_avx512
               |-- modules
               |-- software
```



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Session Highlights:

- EESSI software optimized for CPU micro architectures/GPU compute capability

```
/cvmfs/software.eessi.io/versions/2023.06/software
|-- linux
|
|-- x86_64
|   |-- amd
|       |-- zen2
|           |-- accel
|               |-- nvidia
|                   |-- cc70
|                   |-- cc80
|                   |-- cc90
|                       |-- modules
|                       |-- software
```



Deeper look into EESSI compat and software layers



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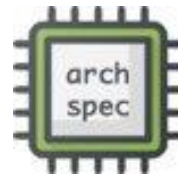
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Next session: Navigating the EESSI GitHub Repositories

<https://www.eessi.io/docs/training/2025/happy-hours-sessions>



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