EESSI Happy Hour

Topic Series: A peek inside EESSI layers

Mondays at 14:00 CEST

www.multixscale.eu

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

Streaming Optimised Scientific Software

EESSI
EUROPEAN ENVIRONMENT FOR SCIENTIFIC SOFTWARE INSTALLATIONS

Website: eessi.io

EESSI support portal:

gitlab.com/eessi/support

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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

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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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Next session: Navigating the EESSI GitHub Repositories

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

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