



[www.multixscale.eu](http://www.multixscale.eu)

# *EESSI Happy Hour*

*Mondays at 14:00 CE(S)T*

*Topic Series: EESSI Roadmap 2026*

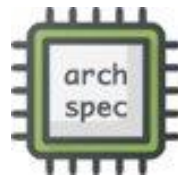
<https://www.eessi.io/docs/training/2026/happy-hours-sessions>

*Current session: EESSI Roadmap 2026*

<https://www.eessi.io/docs/training/2026/happy-hours-sessions>



CernVM-FS



Website: [eessi.io](http://eessi.io)

EESSI support portal:

[gitlab.com/eessi/support](https://gitlab.com/eessi/support)



**CernVM-FS**



## 1. Core Infrastructure, Operations & Policy

- **Lifecycle & Governance Policies**

- **Version Lifecycle:** Define clear policies for "Active" vs. "Archived" versions (e.g., how long to add software to EESSI/2023.06)
- **Development Policy:** Establish lifetime policies for experimental installations on `dev.eessi.io`
- **Cadence:** Formalise the yearly release cycle (targeting pre-summer releases)

- **Build System Modernisation**

- **Diversify Build Sites:** Enhance reliability by spreading build operations
- **Bot Modernisation:** Upgrade infrastructure; implement tarball analysis to simplify ingestion and track differences
- **Maintainer Support:** Leverage the EESSI bot to assist EasyBuild maintainers

- **Quality Assurance & Compliance**

- **Automated License Checks:** Towards automatic mandatory license checks for EESSI/2026.06
- **Monitoring:** Establish regular use of regression tests & status dashboard

- **Compatibility Layer**

- **Release EESSI/2026.06:** next version bundled with upcoming toolchains (update of Gentoo Prefix)



**CernVM-FS**



## 2. Software Stack & Hardware Targets

- **Hardware Enablement**
  - **NVIDIA:** Support for Blackwell GPUs
  - **AMD:** Support for Zen5 and ROCm stack
  - **ARM:** Support for AWS Graviton 4
- **Software Portfolio**
  - **AI/ML Focus:** Extend GPU software (PyTorch, TensorFlow, AlphaFold)
  - **Volume Goal:** Reach 1,000 unique software packages
  - **Toolchains:** Integration of foss/2025b (EESSI/2025.06); foss/2026a and foss/2026b (EESSI/2026.06)



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### 3. User Experience & Integration

- **Direct User Interaction**
  - **CLI:** Prototype an EESSI Command Line Interface (CLI) to provide an interface beyond modules
  - **Discovery:** Create a dynamic software overview ([mockup](#))
- **Feedback & Transparency**
  - **Software Wishlist:** Implement mechanism (e.g., anonymous forms) for users to request software and trigger documentation PRs
  - **Work-in-Progress (WIP) View:** Create dashboard/overview of WIP PRs so users can see upcoming software
- **Workflow Integration**
  - **Tools:** Prototype Nextflow & Spack integration
  - **CI/CD:** Promote EESSI usage in CI/CD pipelines
  - **Scientific Compliance:** Enhance FAIRness of software installations

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## 4. Community, Outreach & Sustainability

- **Governance & Future:**
  - **Sustainability:** Advance steps towards joining Linux Foundation (LF) & HPSF
- **Community Engagement:**
  - **Events:** Continue "Happy Hours", hackathons (focus on documentation/cleanup), and training
  - **Feedback:** Conduct an annual User Survey (aligned with annual EasyBuild survey)
  - **Adoption:** Track and map systems/sites that have adopted EESSI
- **Dissemination & Marketing:**
  - **Content:** Maintain a standard slide deck, elevator pitch, monthly blog/social updates
  - **Conferences:** FOSDEM, EuroHPC Summit, ISC, EUM, and EuroHPC User Days, etc



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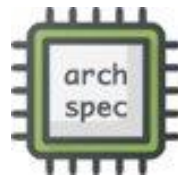
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*Next topic series: TBA shortly*

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