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EESSI-going scientific software installations

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The European Environment for Scientific Software Installations (EESSI, pronounced as “easy”) is a collaboration between different European HPC sites and industry partners, with the common goal to set up a shared stack of optimized scientific software installations.

It can be used on a variety of systems, regardless of the operating system, processor architecture, or GPU of the client system, or whether it’s a full-size HPC cluster, an HTC system, a cloud environment, or a personal workstation, while providing improved reproducibility in scientific computing.

Leveraging the tools and expertise inherent in the HPC community, EESSI integrates solutions such as Easy-Build, Lmod, CernVM-FS and Gentoo Prefix to ensure the creation of a scalable and rigorously tested software stack that is easy to deploy and maintain.

EESSI also enables users to access the same software stack on their own desktop or laptop, allowing them to run small tests and scale up to larger systems as needed, with a consistent user experience.

This presentation provides an exploration of the motivation, design, implementation, and benefits of EESSI.

Docs: <http://www.eessi.io/docs>

Intro: <https://www.youtube.com/watch?v=Fzv4iei1jo>

Slot length

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