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EMI Highlights and Outlook

The European Middleware Initiative (EMI) project aims to deliver a consolidated set of middleware components based on the four major middleware providers in Europe - ARC, dCache, gLite and UNICORE. EMI 1 (Kebnekaise) is the first step towards a stable integrated distribution of compute and data management services that will deliver a broad suite of technologies for deployment in distributed computing infrastructures in Europe and beyond.

The first EMI release is focused primarily on laying the foundations for the distribution, increasing the level of integration among the original middleware stacks, improving the compatibility with mainstream operating systems' guidelines and extending the compliance with existing standards.

EMI 1 components follow more closely packaging guidelines and policies defined by Fedora, introduce widespread compliance with the File Hierarchy Standard (FHS), make extensive use of off-the-shelf packages from the OS distribution or major downstream repositories like EPEL, reduce the dependency on less standard technologies and protocols.

EMI 1 introduced a number of changes and new functionality in response to existing user requirements in the areas of Security, Compute, Data, Information Systems.

This session will present the major highlights of EMI 1 (Kebnekaise) and current implementations towards EMI 2 (Matterhorn).

Duration (90min sessions)

180min

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