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# EMI User Tutorial

The European Middleware Initiative (EMI) aims to deliver a consolidated set of middleware components for deployment in Distributed Computing Infrastructures, extending the interoperability between grids and other computing infrastructures, strengthening the reliability of the services, and establish a sustainable model to maintain and evolve the middleware, fulfilling the requirements of user communities.

EMI middleware is not build from ground up, but rather, delivers a consolidated and streamlined set of services and components from existing middleware projects ARC, gLite, UNICORE and dCache by re-factoring existing components, defining and implementing standards and phasing out duplicate or obsolete components from the original middleware stacks. The middleware components are divided in four areas (Compute, Data, Security, Infrastructure). This tutorial will introduce usage of most commonly used clients for job and data management.

This user oriented tutorial is based on the first release of the EMI middleware, EMI-1 “Kebnekaise”. It will provide an overview of EMI clients for Computing and Data Services, giving concrete examples and highlighting best practices and most common mistakes.

## Required Facilities

Network connectivity in order to connect to external EMI resources for hands-on

## Duration (90min sessions)

180

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