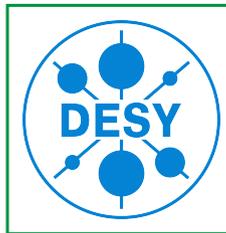


DCACHE INTRODUCTION COURSE

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OVERVIEW

This course covers the following chapters:

I. Introduction To dCache

Gives an overview on dCache, its history, future and application areas, its basic functionality and special features, its structure, main components, databases, protocols and data access model as well as typical cluster setups.

Held by Christoph Anton Mitterer.

II. Puppet, Git And dCache

Gives a brief introduction to the configuration management system Puppet and how it can be used together with git to manage a dCache cluster.

Held by Cesare delle Fratte and Luca Mazzaferro.

III. Installation

Describes the installation-procedure for a dCache cluster, including its external dependencies, the core-services and the file hierarchy provider, the creation of pools as well as the configuration system.

This will be facilitated by using Puppet.

Held by Cesare delle Fratte and Luca Mazzaferro.



OVERVIEW

IV. dCache Within Grids

Gives some brief notes on grid-specific concepts, techniques, tools and clients that are important for using dCache within a grid (for example the LCG) and that will be referenced in later chapters.

Held by Christoph Anton Mitterer.

V. Access Control

Gives a basic overview on the main access control systems within dCache as well as their configuration.

Held by Christoph Anton Mitterer.

VI. Data Transfers To / From dCache

Shows some typical methods of writing files to / reading files from a dCache cluster.

Held by Oleg Tsigenov.



OVERVIEW

VII. Pool Management And Pool Selection

Covers some of the concepts and means of selecting pools for client read- and write-accesses as well as their configuration.

Held by Oleg Tsigenov.

VIII. Typical Cluster Management Tasks

Shows some typical cluster management tasks, like adding or decommissioning pools, migrating files between pools and balancing a pool group's pools.

Held by Oleg Tsigenov.

IX. Upgrading dCache With Puppet

Describes how a dCache cluster can be upgraded from Puppet point of view.

Held by Cesare delle Fratte and Luca Mazzaferro.