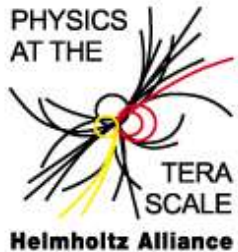# dCache administration workshop
Installation session

Steinbuch Centre for Computing, Information Services and Data Management

Doris Ressmann
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10th International **GridKa School 2012**
Cloud & Grid Computing
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www.kit.edu

Welcome to dCache Administration Workshop

⊗ This course is organized by the German Support Group!

- ⊗ Doris Ressmann (KIT)
- ⊗ Christoph Anton Mitterer (LMU)
- ⊗ Oleg Tsigenov (RWTH Aachen)

⊗ Previous members of the group

- ⊗ Xavier Mol (KIT)
- ⊗ Sergey Kalinin (Uni Wuppertal)

Some questions:

- Who of you has already used dCache before?
- Who has already installed its own dCache instance?
- Do you have experience with other storage systems like Castor, DPM, Storm?
- Did you use already a Linux or Unix system?

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Overview

This course covers the following chapters:

- ⊘ Introduction To dCache

  - ⊘ overview on dCache
  - ⊘ its history, future and application areas
  - ⊘ basic functionality and special features
  - ⊘ Its structure, main components, databases,
  - ⊘ protocols and data access model
  - ⊘ *Held by Christoph Anton Mitterer.*

- ⊘ dCache Within Grids

  - ⊘ Typical cluster setups.
  - ⊘ grid-specific concepts, techniques, tools and clients.
  - ⊘ *Held by Christoph Anton Mitterer.*

Overview (2)

⊘ Installation

  ⊘ typical installation-procedure for a dCache cluster

  ⊘ including its external dependencies,

  ⊘ the core-services and the file hierarchy provider,

  ⊘ the creation of pools

  ⊘ the configuration system

  ⊘ *Held by Doris Ressmann.*

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Overview (3)

⊙ Pool Management And Pool Selection

  ⊙ concepts and means of selecting pools for client read- and write-accesses

  ⊙ their configuration

  ⊙ *Held by Oleg Tsigenov.*

⊙ Access Control

  ⊙ overview on the main access control systems including configuration

  ⊙ *Held by Christoph Anton Mitterer.*