ISEngineering

Technische Universität Berlin

Enterprise Computing

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	Tuesday, Oct 14 Organizational Aspects		
Fundamentals	Monday, Oct 20 Introduction	Monday, Oct 27 Messaging	Monday, Nov 3 Services
Engineering	Monday, Nov 10 Hadoop and MapReduce	Monday, Nov 17 Platforms	Monday, Nov 24 Configuration Management
Technologies and Systems	Monday, Dec 1 Case Study: Dynamo	Monday, Dec 8 Case Study: GFS, BigTable	Monday, Dec 15 Case Study: Cassandra
Hands-on Exercises	Tuesday, Dec 16 Kick-Off		Tuesday, Jan 20 End of Exercises
Further Topics	Monday, Jan 26 Benchmarking	Monday, Feb 2 Assessment	
Wrap-Up	Monday, Feb 9 Summary		

ISEngineering
Wirtschaftsinformatik –
Information Systems Engineering

In a Nutshell

Contents:

The lecture and lab introduces methods and technologies for the design and deployment of large-scale IT systems. Focus is set on cloud systems for enterprise computing, covering fundamentals and select advanced topics. Hands-on exercises complement the learning experience.

Learning Objectives:

You are familiar with all subjects covered, allowing you to assess and appreciate enterprise solutions, and to apply concepts, methods, and technologies studied in system design and realization. You have both a conceptual, theoretical understanding as well as hands-on practical experience with select cloud technologies.

Requirements

- Java programming skills are required
- Basic knowledge of Linux is useful
- Interest in learning new technologies, such as Hadoop, Cloud, NoSQL, etc.