

Der Web-Service Amazon Elastic Compute Cloud (Amazon EC2) ermöglicht die Anpassung der Rechenkapazität in der Cloud. Es ist darauf ausgelegt, Entwicklern die Webskalierung der Rechenleistung zu erleichtern.

Ihr Nutzen

Nach dem Seminar können Sie virtuelle EC2 Instanzen planen und bereitstellen. Neben der Konfiguration von Instanzen erlernen Sie sicherheitsrelevante Aspekte und Backup/Recovery Strategien.

Preis pro Teilnehmer

EUR 440,- exklusive der gesetzlichen MwSt.

Seminardauer

1 Tag(e)/Day(s)

Seminarinhalte

- 1. Tag
 - * EC2 Overview
 - Technology, Security, Performance and Costs
 - * Overview of the other Amazon Web Service Products
 - * S3 - Simple Storage Service:
 - Technology, Namespace, Access Control and Permissions
 - S3 Tools and Applications
 - Hierarchical Naming and other Tricks
 - * EC2 - Elastic Compute Cloud introduction
 - Technology Overview
 - Managing EC2 with GUI and Command-Line Tools
 - Connection to Linux Instances with SSH
 - Connecting to Windows Instances with RDP
 - S3 Usage from an EC2 Instances
 - * EC2 Configuration
 - Configuration of the EC2 Firewall: Security Groups
 - * Availability Zones
 - Run server in different Locations
 - Load Balancing and Failover Concepts
 - * Using the Amazon Web Service APIs
 - REST API, Query API, SOAP API
 - Command-Line Tools
 - * Customize and bundle existing AMIs (Amazon Machine Images)
 - * Create a new AMI (Demo)
 - * EBS - Elastic Block Storage
 - Create and mount EBS Volumes to Linux and Windows Instances
 - Best Practices for Linux File System Configuration and EBS
 - * Backup and Restore
 - Creation of EBS Snapshots, Best Practices for Linux
 - * Installation of MySQL on EBS
 - Automated Backup via EBS snapshots (Demo)
 - * Instance Naming
 - Management and Configuration of Elastic IP Addresses (EIP)
 - Best Practices:

Voraussetzungen

Kenntnisse von virtuellen Infrastrukturen von Vorteil.

Hinweise

Bitte bringen Sie Ihren eigenen Amazon Account zum Seminar mit.

Version: N/A

- Internal Naming with Dynamic DNS Provider
- D-DNS Provider Integration into EC2
- * Cloud Automation
 - Overview of existing Commercial and Open Source Solutions
- * Cloud Automation with RightScale
 - Customized AMIs vs. RightScale ServerTemplates
 - Deployments Environments
 - Version Management of Server Configuration and Script Code
 - Instance Creation with a ServerTemplate
 - Scripting with RightScripts
 - Instance Monitoring and Alerts
 - Automated and scheduled EBS Snapshot (Backup) Creation
 - Snapshot Management
 - DNS Integration with DNSmadeEasy.com
 - Load Balancing with HAProxy
 - Auto scaling with RightScale Arrays

