SAP on AWS - Fundamentals

Duration: 3 Days Course Code: AD620 Delivery Method: Company Event

Overview:

This seminar provides fundamentals for SAP NetWeaver and SAP HANA on AWS. Participants will learn in detail how to implement the basic infrastructure components such as virtual networks, virtual machines, storage, etc. for the installation and administration of SAP NetWeaver and SAP HANA Systems on AWS Cloud. SAP Best Practices will be performed in individual lab environments, introducing the capabilities and limitations of SAP on AWS.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

AdministratorsConsululTants

Objectives:

- This seminar provides fundamentals for SAP NetWeaver and SAP HANA on AWS. Participants will learn in detail how to implement the basic infrastructure components such as virtual networks, virtual machines, storage, etc. for the installation and administration of SAP NetWeaver and SAP HANA Systems on AWS Cloud. SAP Best Practices will be performed in individual lab environments, introducing the capabilities and limitations of SAP on AWS.

Prerequisites:

Essential

For this course, basic knowledge of SAP NetWeaver and SAP HANA taught in the courses ADM100 and HA200 is required. In addition, a basic knowledge of Linux Systems (course AD660) as well as IP Networks is recommended.

Content:

Module 1 Fundamentals

- AWS Services
- AWS Infrastructure
- Well-Architected Framework
- Management Console and CLI
- AWS Systems Manager

Module 2 Account Security

- Principals and identities
- Security policies
- AWS Permission Management
- Best practices for IAM
- Managing multiple accounts
- AWS SSO
- AWS Control Tower

Module 3 Networking

- VPC Fundamentals
- VPC Traffic Security
- VPC Endpoints
- VPC Peering
- Hybrid networking
- Transit Gateway
- AWS Network Firewall (optional)

Module 4 Compute

- EC2 instances
- EC2 pricing options
- Connect to EC2 instances
- AWS Systems Manager Node Management
- AWS Outpost and VMWare on AWS
- EC2 instances for SAP HANA
- OS Image for SAP
- OS Configuration for SAP
- Tagging EC2 instances

Module 5 Storage

- Storage for EC2 instances
- Shared File Systems
- Simple Storage Service (S3)
- Data migration
- SAP HANA Data Tiering on AWS
- Storage Configuration for SAP
- Amazon FSx for NetApp ONTAP

Module 6 Monitoring and Alerting

- Simple Notification Service (SNS)
- Monitoring
- Alarms and events
- AWS Config
- Health Monitoring
- Amazon GuardDuty
- Amazon Inspector
- AWS Data Provider for SAP

Module 7 Automation

- Cloud Formation
- AWS Launch Wizard for SAP
- AWS Systems Manager Change Management

Module 8 Operations

- AWS License Manager
- AWS Systems Manager Operations Management

Module 9 High Availability and reliability

- Failure scenarios
- SAP NetWeaver architecture single points of failure
- Load Balancer
- Route 53
- EC2 auto recovery
- Single Region vs Multi-Region SAP Architecture Patterns
- High Availability with Overlay IP Address Routing
- SAP HANA on AWS with high availability clusters

Module 10 Backup and Recovery

- Disaster planning
- AWS Backup
- Recovery strategies

Module 11 Edge Services

- Amazon CloudFront
- Amazon Global Accelerator
- Improving SAP Fiori Performance

Module 12 Security

- AWS Shield
- AWS WAF
- AWS Certificate Manager (ACM)
- Security and Encryption

Module 13 Cost Management

- AWS Pricing Fundamentals
- SAP on AWS Pricing

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK