KAÏNA-COM
TRAINING CATALOGUE

AWS-CLOUD

Design principles, including strategies for networking, storage, DNS, DBaaS, Monitoring, Load Balancing and much more

Nos locaux
KAÏNA-COM France
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KCLD001 – AWS-CLOUD

Reference	KCLD001

Experience

- ☐ Beginner
- ☒ Intermediate
- ☐ Advanced

Duration

Training Program:

- 5 days

Training Method

- ☐ I: i-learning, individual training (web-based training)

- ☒ V: v-learning, virtual class

- ☐ C: c-learning, classroom training

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Price

2.526,00 € HT

Prerequisite

Virtualization knowledge.

Audience

IT professionals, DevOps, Cloud Architects

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KCLD001 – AWS-CLOUD, Continued

Objective

AWS is the most popular and most widely used cloud platform in the world. This course will teach you design principles, including strategies for networking, storage, DNS, DBaaS, Monitoring, Load Balancing and much more.

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KCLD001 – AWS-CLOUD, Continued

Course Contents

Course Contents :

Table 1: KCLD001 - Course Contents

Chapter	Description
Course Introduction	• Introduction • Course Highlights • Strategy of Success
Understanding and Configuring Amazon Virtual Private Cloud (VPC)	• VPC Overview • VPC Elements • VPC Characteristics • VPC Configuration Demo Preparation • VPC Configurations
Understanding and Configuring NAT Instances, Gateways, and VPC Endpoints	• VPC NAT Bottlenecks • NAT Instances vs NAT Gateways • VPC endpoints
Understanding and Configuring VPC Peering, VPN, and Direct Connect	• VPC Peering • Configure VPC Peering • AWS VPC Access • AWS VPC Access Diagram • AWS Direct Connect • AWS VPN CloudHub
Understanding and Using Elastic Cloud Compute (EC2)	• EC2 Instance Types • On-demand and Dedicated Instances • Creating EC2 Instances • Standard Reserved Instances • HPC and Placement Groups

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KCLD001 – AWS-CLOUD, Continued

Course Contents, continued

Chapter	Description
Understanding and Configuring Load Balancers	• Classic LB Characteristics • Classic LB Scenarios • Creating and Configuring the Classic LB • Application LB Characteristics • Application LB Architectural Diagram
Understanding and Configuring Auto Scaling	• Auto Scaling Features • Configuring Auto Scaling
Understanding Elastic Block Store (EBS) and Elastic File System (EFS)	• Instance Storage Type • Increasing IOPS Performance • EBS-optimized Instances • EBS Snapshots Characteristics • Configuring and Managing Snapshots • Amazon EFS
Understanding and Configuring Amazon S3 and CloudFront	• Storage and Archive • Amazon S3 Features • Configuring S3 • Amazon Glacier and Storage Gateway • Amazon CloudFront
Understanding AWS Relational Database Services (RDS)	• RDS Characteristics • Multi-AZ Failover • Configuring RDS
Understanding Amazon DynamoDB and Redshift	• Amazon DynamoDB Characteristics • Amazon DynamoDB Features • ElastiCache • Amazon Redshift

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KCLD001 – AWS-CLOUD, Continued

Course Contents, continued

Chapter	Description
Understanding AWS Security	• Physical Access • Shared Responsibility • Security Methods and Connectivity • Identity and Access Management
Understanding Amazon Route 53	• Route 53 Characteristics • DNS Records • Routing Policies • Configuring Hosted Zones
Understanding AWS Monitoring	• CloudTrail vs. CloudWatch • CloudTrail and CloudWatch Characteristics • Trusted Advisor • Configuring CloudWatch • Configuring CloudTrail • Exploring Trusted Advisor
Additional AWS Services	• Kinesis Streams • Partition Keys • CloudFormation • Template Elements • Elastic Beanstalk • OpsWorks
The End	• Summary • Q&A • Evaluation

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