

AWS Foundations

Audience Course AWS Foundations

The course AWS Foundations is intended for anyone who wants to learn Amazon Web Services or prepare for the AWS Certified Cloud Practitioner exam (CLF-C01).

Prerequisites Course AWS Foundations

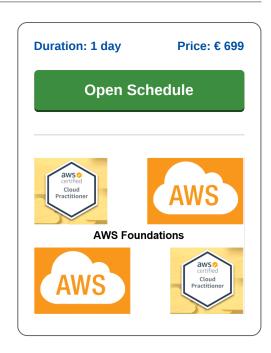
No specific prior knowledge is required for this course. General IT knowledge is desirable.

Realization Training AWS Foundations

AWS's services are explained using demos. During the course demonstrations are interchanged with practical exercises.

Certification Course AWS Foundations

Attendants receive a certificate of participation in the AWS Foundations course upon successful completion.



Content Course AWS Foundations

The course AWS Foundation is designed to help candidates prepare for the AWS Certified Cloud Practitioner exam. The course covers fundamental AWS concepts, services and best practices and provides the knowledge and skills needed to work effectively in the AWS cloud environment.

AWS Intro

The course AWS Foundations starts with a general overview of Cloud Computing and provides an understanding of the overall structure of the Amazon Web Service (AWS) cloud. The AWS pricing model and AWS billing are also discussed.

Compute Services

Next the Compute Services in AWS are covered, including the Elastic Compute Cloud (EC2) with which Virtual Machines can be created and enabled in the cloud. Attention will also be paid to Elastic Load Balancing, Serverless Computing and AWS Lambda.

Storage Services

Next Storage Services are treated, including the S3 Simple Storage Service, the Elastic Block Store (EBS) and the Elastic File System (EFS). The Relational Database Service will also be discussed, which allows relational databases to be hosted in the AWS cloud.

AWS Networking

Part of the program of the AWS Foundations course is also an overview of networking in the AWS cloud. The possibilities of the Virtual Private Cloud (VPC), VPN Connections, Amazon CloudFront CDN and the Route 53 DNS Service are explained.

AWS Security

AWS Security is also covered with the Shared Responsibility Model, AWS Identity and Access Management (IAM). And AWS Data Encryption is treated.

AWS Foundations exam

Finally attention is paid to the preparation for the AWS Foundations exam. The questions from various test exams are discussed and tips are given that can help you to pass the exam.



Modules Course AWS Foundations

Module 1 : AWS Intro	Module 2 : Compute Services	Module 3 : Storage Services
Intro to Cloud Computing	Elastic Compute Cloud (EC2)	Simple Storage Service
What is AWS?	EC2 Instance Types	S3 Buckets and Objects
AWS Global Infrastructure	EC2 Families	Data Encryption in S3
AWS Pricing Model	Launching EC2 Instances	Elastic Block Store (EBS)
AWS Billing	EC2 Security Groups	Elastic File System (EFS)
AWS Cloud Types	Key Pairs and SSH Access	Storage Gateway
AWS Identity	Elastic Load Balancing	Storage Services
IAM Access Keys	Auto Scaling in AWS	Relational Database Service
CloudWatch for Monitoring	Serverless Computing	RDS Engine Types
Resource Management	AWS Lambda	DynamoDB NoSQL Database
Systems Manager (SSM)	Elastic Container Service	ElastiCache for Caching
Module 4 : AWS Networking	Module 5 : AWS Security	Module 6 : AWS Exam Preparation
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Virtual Private Cloud (VPC)	Shared Responsibility Model	Certified Cloud Practitioner
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Virtual Private Cloud (VPC) VPC Subnets	Shared Responsibility Model	Certified Cloud Practitioner
Virtual Private Cloud (VPC) VPC Subnets Route Tables	Shared Responsibility Model Security Best Practices	Certified Cloud Practitioner AWS Exam Overview
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security	Shared Responsibility Model Security Best Practices AWS Identity	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security Network Access Control	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM)	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security Network Access Control VPC Peering	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM) Network Security	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions AWS Financial Benefits
Virtual Private Cloud (VPC)	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM) Network Security VPC Security	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions AWS Financial Benefits Exam Preparation Tips
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security Network Access Control VPC Peering VPN Connections	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM) Network Security VPC Security AWS Data Encryption	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions AWS Financial Benefits Exam Preparation Tips Practice Questions
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security Network Access Control VPC Peering VPN Connections Amazon CloudFront CDN	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM) Network Security VPC Security AWS Data Encryption Compliance and Auditing	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions AWS Financial Benefits Exam Preparation Tips Practice Questions Mock Exams
Virtual Private Cloud (VPC) VPC Subnets Route Tables VPC Security Network Access Control VPC Peering VPN Connections Amazon CloudFront CDN Route 53 DNS Service	Shared Responsibility Model Security Best Practices AWS Identity Access Management (IAM) Network Security VPC Security AWS Data Encryption Compliance and Auditing Trusted Advisor	Certified Cloud Practitioner AWS Exam Overview Well-Architected Framework Identify Solutions AWS Financial Benefits Exam Preparation Tips Practice Questions Mock Exams Test-Taking Strategies