LEARNING PLAN Cloud Computing Fundamentals

The cloud continues to rapidly evolve and change today's work environments. Learn about the differences between on-premises and cloud-hosted applications and systems. Dig into the concepts of IaaS, PaaS, and SaaS to see how they can revolutionize your approach to IT.

Areas of focus

- What is cloud computing?
- Different types of clouds
- Common cloud platforms

Curriculum

VIDEOS FROM COURSE

AWS: Technical Essentials	4 hours
What is Amazon Web Services (AWS)	13 min
AWS Infrastructure and Services	11 min
Demo: AWS Management Console	11 min
AWS Elastic Compute Cloud (EC2)	11 min
Storage Options for EC2 Instances	10 min
Advanced EC2 Features	11 min
Demo: AWS Elastic Compute Cloud (EC2)	17 min
AWS Simple Storage Service (S3)	9 min
AWS S3 Concepts	9 min
Advanced S3 Features	10 min
Demo: AWS Simple Storage Service (S3)	12 min
Demo: AWS Elastic Block Store (EBS)	11 min
Demo: AWS Virtual Private Cloud (VPC)	16 min
AWS Shared Responsibility Model	12 min
Demo: Security Group and Network ACLs	12 min
AWS Identity and Access Management (IAM)	13 min
Demo: Identity and Access Management	12 min
AWS Relational Database Service (RDS)	11 min
Demo: AWS Relational Database Service (RDS)	11 min
AWS NoSQL DynamoDB	14 min
Demo: AWS NoSQL DynamoDB	6 min
AWS Auto Scaling	13 min

Prerequisite Plans

INTRODUCTORY LEVEL

Introduction to IT

Current Plan

FUNDAMENTAL LEVEL

Cloud Computing Fundamentals

Possible Next Plans

ASSOCIATE LEVEL

Virtualization Platforms & Implementation Cloud Concepts & Platforms

VIDEOS FROM COURSE

Google Compute Engine: Qualified Developer Videos 1-10

Videos 1-10	2 hours
Introduction to Google Compute Engine	10 min
Getting Started with GCE	11 min
Demo: Getting Started with GCE	14 min
Instances	14 min
Demo: Instances	15 min
Persistent Disks	16 min
Demo: Persistent Disks	13 min
Images and Snapshots	13 min
Demo: Images	16 min
Demo: Snapshots	12 min

