

Cloud Computing Training Course Online

- Fundamental Cloud Computing Terminology and Concepts
- Virtualization Essentials
- Containerization Essentials
- Specific Characteristics that Define a Cloud, Types of Cloud computing and discuss the challenges associated with them
- Understanding Elasticity, Resiliency, Availability On-Demand and Measured Usage
- Benefits, Challenges and Risks of Contemporary Cloud Computing Platforms and Cloud Services
- Cloud Resource Administrator and Cloud Service Owner Roles
- Cloud Computing for System Administrators Discussin about Migration, Hybrid Environments, Provisioning, Uptime, Disaster Recovery and Security
- Cloud Computing for Developers Discussion about Performance, Security, Availability, Deployment and Ecosystem
- Cloud Computing for the IT Consultant Discussion about Software-as-a-Service, Infrastructure-as-a-Service, Benefits over Traditional Environment
- Cloud Computing for CTOs and CIOs Discussion about Finding Talent, Improved Speed of Innovation, Lower Cost, Availability, A Boost to Productivity, Better Analytics, Security and Data Protection

- Cloud Service and Cloud Service Consumer Roles
- Describe the different types of cloud services Software as a Service (SaaS), Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) Cloud Delivery Models
- Cloud Service Models
- Cloud Deployment Models Public Cloud, Private Cloud, Hybrid Cloud and Community Cloud Deployment Models
- Cloud Computing and Storage
- Business Cost Metrics and Formulas for Comparing and Calculating Cloud and On-Premise Solution Costs
- Describe cloud security requirements and policies Describe how cloud services manage privacy, how compliance goals are met, how data is secured at rest or on-the-wire, and how data and operations transparency requirements are met
- Service Level Agreements (SLAs) for Cloud-based IT Resources
- Formulas for Calculating and Rating SLA Quality of Service Characteristics
- Cloud Automation, Provisioning, and Management

- Understand the Computing services, including $^{\circ}$
- Understand the Networking services, including

• Understand the Storage services, including

• Understand the security services, including

- Understand AWS management tools, including

• AWS Best Practices

• Lab with Hands-on experience

 Understand the Computing services, including
 Understand the Networking services, including
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 Understand the security services, including
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 Understand the Database services, including
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 Understand AWS management tools, including
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AWS Best Practices
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• Lab with Hands-on experience

• AWS Integration with

• AWS Best Security Practices

- Module 1: Introducing Google Cloud Platform
- Module 2: Getting Started with Google Cloud Platform
- Module 3: Google App Engine and Google Cloud Datastore
- Module 4: Google Cloud Platform Storage Options
- Module 5: Google Container Engine
- Module 6: Google Compute Engine and Networking
- Module 7: Big Data and Machine Learning
- Module 8: Google Cloud Platform Projects
- Module 9:Instances
- Module 10: Networks
- Module 11: Disks and Images
- Module 12: Authorization
- Module 13: Snapshots

- Module 14: Google Cloud Storage
- Module 15: Instance Groups
- Module 16: Google Container Registry
- Module 17: Google Cloud SQL
- Module 18: Metadata
- Module 19: Google API Client Library
- Module 20: Autoscaling
- Module 21: Load Balancing
- Module 22: Deleting Cloud Platform Projects and Resources
- Module 23: Google Cloud Deployment Manager
- Module 24: HTTP/HTTPS Load Balancing
- Module 25: Startup and Shutdown Scripts

• The Rise of the Virtual Machine

• Installing and Updating Docker - Latest Stable Version Docker 1.12

- Major Docker Components

• Container Management

• Building from a Dockerfile

• Diving Deeper with Dockerfile

• How Images Get Built

• Working with Registries

• Docker Networking