

AWS Certified Cloud Practitioner
Training Bootcamp

Module Completion & Exam Hints

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AWS Cloud Computing

What is Cloud Computing ?

- Cloud computing is the on-demand delivery of compute power, database storage, applications, and other IT resources through a cloud services platform via the internet with pay-as-you-go pricing
- Think of Cloud Computing as renting the hardware, with no initial investment, but pay-as-you-go and as-you-grow

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Cloud Computing Models

Cloud Computing Models

- There are three major types of cloud services available:
 - IaaS – Infrastructure as a Service
 - PaaS – Platform as a Service
 - SaaS – Software as a Service

Infrastructure as a Service (IaaS)

- Infrastructure as a Service (IaaS) contains the basic building blocks for cloud IT and typically provides access to networking features, computers and data storage space.



Amazon EC2

Platform as a Service (PaaS)

- Platform as a Service (PaaS) removes the need for your organization to manage the underlying infrastructure (HW and OSs) and allows you to focus on the deployment and mgmt. of your applications.



AWS
Lambda

Software as a Service (SaaS)

- Software as a Service (SaaS) provides you a complete product that is run and managed by the service provider



Gmail

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Cloud Computing Deployment Models

What are the possibilities ?

- Three Cloud Deployment Models are currently available:
- On-premises – you run everything in your own DC
- Hybrid – you run some of your Apps in your DC and some in the AWS Public Cloud
- Cloud – you run all your Apps in AWS Public Cloud

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The Six Advantages of AWS Cloud Computing

The 6 Advantages of AWS Cloud Computing

- Trade capital expense for variable expense
- Benefit from massive economies of scale
- Stop guessing about capacity
- Increase speed and agility
- Stop spending money running and maintaining DCs
- Go global in minutes

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AWS Global Infrastructure –Regions, Availability Zones and Edge Locations

AWS Global Infrastructure

- An Availability Zone represents one or more discrete data centers, each DC with redundant power, networking, and connectivity, housed in separate facilities
- An AWS Region is a physical location in the world that consists of multiple Availability Zones
- Edge Locations are AWS endpoints that cache content locally
- Regional Edge Caches store even more cache locally

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AWS Management Interfaces

AWS Management Interfaces

- AWS provides three distinct options in order to interact with the AWS Cloud Platform:
 - AWS Management Console
 - AWS Command Line Interface (CLI)
 - AWS Software Development Kits (SDKs)
- What's next: Module 3 - AWS Services High Level Overview

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Thank you