AWS Cloud Practitioner Certification (~2000 Practice Questions + Cheat Sheet)

1. Cloud Computing Basics

Definition

Cloud computing delivers IT resources on-demand over the internet with pay-as-you-go pricing.

Cloud Computing Models

Model	Description
IaaS	Basic infrastructure services like servers.
PaaS	Platforms for application development.
SaaS	Fully managed applications over the web.

Cloud Deployment Models

Model	Description
Public Cloud	Shared by multiple organizations.
Private Cloud	Used by a single organization.
Hybrid Cloud	Combination of public and private clouds.

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2. Benefits of AWS Cloud

Benefit	Description
Agility	Quickly adapt to changing business needs.
Cost-Efficiency	Pay only for what you use.
Elasticity	Scale resources up or down automatically.
Security	Extensive security measures.
Global Reach	Services available worldwide.

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3. AWS Global Infrastructure

Component	Description
Regions	Geographical areas containing AWS resources.
Availability Zones (AZs)	Isolated locations within regions.

Component	Description
Edge Locations	Content delivery points for low latency.

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4. Core AWS Services

Compute

Service	Description
Amazon EC2	Virtual servers for computing needs.
AWS Lambda	Serverless function execution.
Amazon ECS/EKS	Manage containers.

Storage

Service	Description
Amazon S3	Object storage with scalability.
Amazon EBS	Block storage for EC2 instances.
Amazon EFS	File storage.

Databases

Service	Description
Amazon RDS	Managed relational databases.
Amazon DynamoDB	NoSQL database.
Amazon Redshift	Data warehousing.

Networking

Service	Description
Amazon VPC	Virtual private cloud for resources.
Amazon CloudFront	Content delivery network.
Elastic Load Balancer (ELB)	Distributes application traffic.

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5. Security and Identity

Feature	Description
IAM	Manage user access and permissions.
AWS Shield	Protect against DDoS attacks.
AWS WAF	Web application firewall.

Feature	Description
AWS Organizations	Manage multiple AWS accounts.

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6. Pricing and Support

Pricing Models

Model	Description
Pay-as-you-go	Pay for resources as consumed.
Savings Plans	Discounts for consistent usage.
Reserved Instances	Capacity reserved upfront.
Spot Instances	Utilize unused capacity at reduced rates.

Support Plans

Plan	Description
Basic	Free support.
Developer	Email support during business hours.
Business	24/7 email and phone support.
Enterprise	24/7 technical support with a TAM.

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7. Monitoring and Management

Service	Description
Amazon CloudWatch	Monitor AWS resources and applications.
AWS CloudTrail	Track user actions and API activity.
AWS Trusted Advisor	Recommendations for security and cost.

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8 Roughly ~2000 questions (links below)

https://www.dropbox.com/scl/fi/yrytqhz6bwu77bayip4ur/AWS-Cloud-Practitioner-Practice-Questions.docx?rlkey=ydwabhzq5cthv6e1xk372os8q&e=1&dl=0

https://github.com/kananinirav/AWS-Certified-Cloud-Practitioner-Notes/tree/master/practice-exam

https://quizlet.com/392359849/aws-cloud-practitioner-exam-questions-flash-cards/

https://www.w3schools.com/aws/aws_quiz.php

https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/

https://digitalcloud.training/aws-cloud-practitioner-free-practice-questions/