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Understanding Your AWS Account

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AWS CERTIFIED CLOUD PRACTITIONER CCP OVERVIEW

AWS account is a crucial aspect of managing your cloud computing platform, providing a safe haven for all your resources and configurations. Each account has an Account ID, a 12-digit number, uniquely identifying each account and including a root user with full administrative privileges

Learning Objectives

- Introduction
- What Is Cloud Computing?
- **Understanding Your AWS Account**
- Understanding the AWS Environment
- Working with Your AWS Resource
- AWS Certified Cloud Practitioner Credential
- Summary and Resources
- AWS CCP Quiz_Test Your Knowledge!



INTRODUCTION

- Each AWS account has an Account ID and root user with administrative privileges.
- AWS Identity and Access Management (IAM) allows users with specific permissions.
- Billing and cost management are crucial aspects of AWS account management.
- AWS charges according to resource usage through a pay-as-you-go pricing model.
- AWS Billing Dashboard provides financial control and cost allocation tags.
- Security is a paramount concern with AWS managing cloud security and the user responsible for securing what is placed in the cloud.
- AWS Security Hub aggregates security alerts and compliance status from multiple AWS accounts and services.
- A multi-account strategy can alleviate complexity of resource management, compliance requirements, and cost control.
- Service Control Policies (SCPs) define permissions for accounts within an organization.

UNDERSTANDING AWS ACCOUNTS

Understanding AWS Accounts

- AWS is a comprehensive cloud computing platform offering a wide array of services.
- The Free Tier is a promotional offering that allows new users to explore and experiment with AWS services at no cost for a limited time.
- The Free Tier includes three types of offers: Always Free, 12 Months Free, and Trials.
- It is essential to monitor usage carefully to avoid unexpected charges. AWS offers tools like AWS Budgets and Cost Explorer to help manage expenditures.





PRODUCT PRICING

- AWS services operate on a pay-as-you-go pricing model.
- Pricing models include On-Demand Pricing, Reserved Instances, and Spot instances.
- Examples of product pricing include on-demand pricing for EC2 instances and reserving instances for predictable workloads.

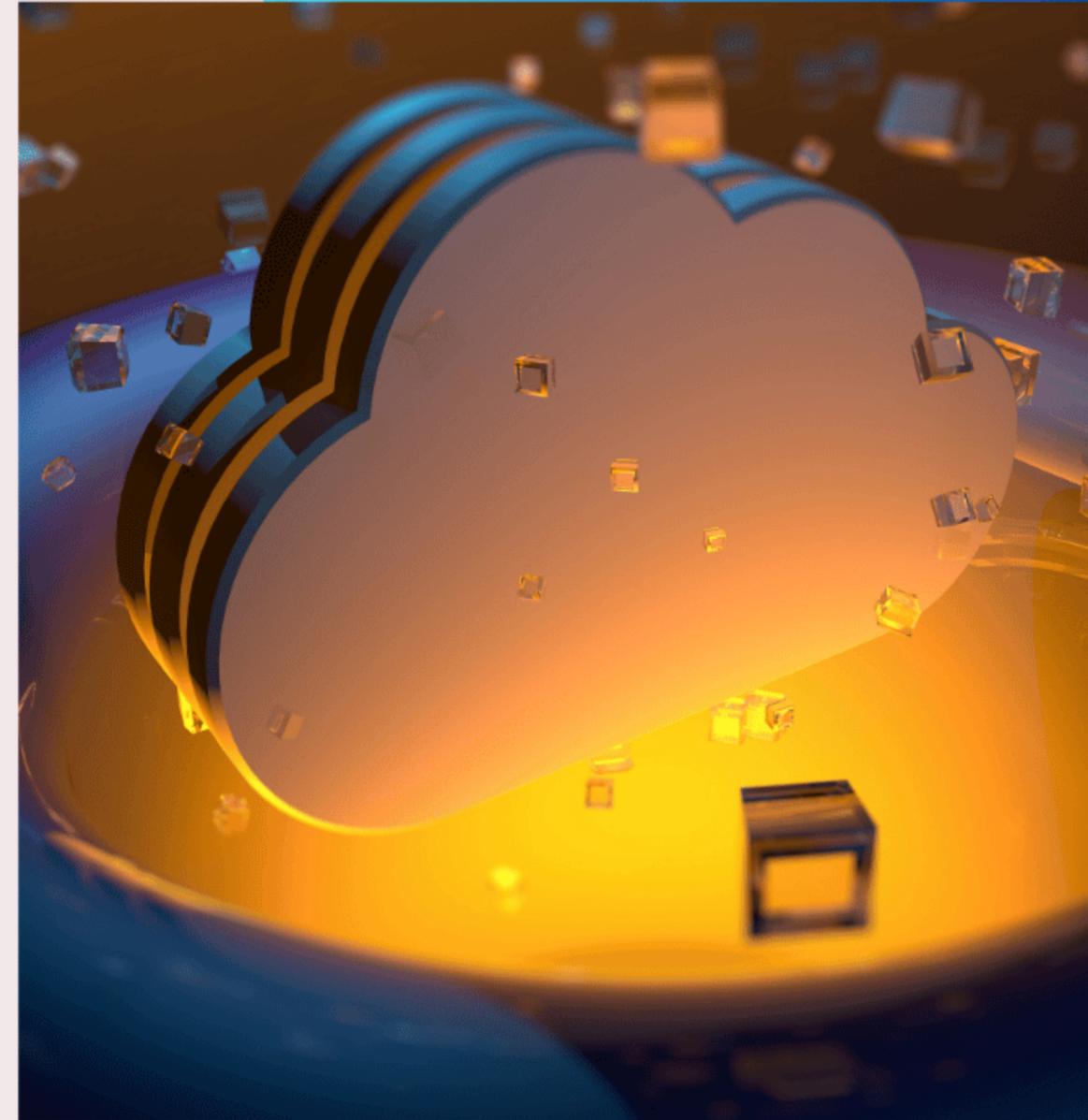


Service Limits

- AWS enforces service limits to ensure fair use and maintain system integrity.
- Common service limits include EC2 Instances and S3 Buckets.
- An example of service limits in practice is a startup launching a new application and planning to use S3 for data storage.

BILLING AND COST MANAGEMENT TOOLS

- AWS Billing Dashboard provides a comprehensive overview of account usage and costs.
- AWS Budgets allows users to set custom cost and usage budgets.
- Cost Explorer is a visualization tool that enables users to analyze their AWS spending over time.
- An example of cost management is a development team setting a budget of \$500 for a month and receiving an alert indicating they are approaching their budget limit.





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