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AWS CERTIFIED CLOUD PRACTITIONER
AWS CCP OVERVIEW
ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 5

Working with Your AWS Resource

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AWS CERTIFIED CLOUD PRACTITIONER CCP OVERVIEW

AWS is a cloud computing platform that offers a wide range of services, including data storage, hosting websites, managing databases, and more. Resources are components used to create applications or services, such as EC2 Instances, S3 Buckets, RDS Databases, and Lambda Functions.

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!

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INTRODUCTION

- AWS is a cloud computing platform offering various services including data storage, website hosting, and database management.
- Resources are components used to create applications or services, including EC2 Instances, S3 Buckets, RDS Databases, and Lambda Functions.
- Users access AWS resources through the AWS Management Console, a web-based user interface.
- Monitoring resources involves setting up alarms based on metrics like CPU usage or disk space, like CloudWatch.
- Scaling resources involves adjusting resources based on demand, with two types: Vertical Scaling and Horizontal Scaling.
- Security is crucial with AWS using a system of permissions and roles to control access to resources.
- AWS is like a vast toolbox for building digital creations without owning all the tools themselves.

WORKING WITH AWS RESOURCES

Introduction to AWS

- AWS is a cloud computing platform that allows businesses and individuals to store data, host websites, manage databases, and more.
- Resources in AWS include EC2 Instances, S3 Buckets, RDS Databases, and Lambda Functions.

Example of AWS Resources in Action

- A website for a bakery might use EC2 Instances, S3 Buckets, and RDS Databases.
- AWS allows focus on creating the website rather than managing hardware.

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ACCESSING AWS RESOURCES

- To work with AWS resources, log in to the AWS Management Console.
- Navigate the console by clicking on the service you need, like creating an EC2 instanc

Managing AWS Resources

- Monitoring resources: Use tools like CloudWatch to set up alarms based on metrics.
- Scaling resources: Adjust resources based on demand, with vertical and horizontal scaling.
- Security and permissions: Use a system of permissions and roles to control access to resources.
- IAM (Identity and Access Management): Allows creation of users and groups with specific permissions.

AWS COMMAND-LINE INTERFACE OVERVIEW

- Essential for scripting AWS tasks and collecting bulk information from AWS resources.
- CloudWatch collects metrics from AWS services and can trigger alarms when a metric crosses a threshold.
- Receives and stores logs from AWS and non-AWS services, extracting metrics using metric filters.
- CloudTrail records events against your AWS account, defaulting to the last 90 days of management events in each region.
- Customizable events can be logged or stored in an S3 bucket.
- Trails can stream logs to CloudWatch Logs for storage, viewing, and searching.

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