

AWS

Technical Essentials

Duration: 1 Day (9am – 4pm)

Course Pre-Requisites: None

Course Overview

This 1-day course provides knowledge about AWS products, services, and solutions. Designed for participants to identify AWS services, make informed decisions based on business requirements, and start working on AWS. The course involves instructor-led training, hands-on labs, and group exercises.

1. AWS Concepts

AWS, as a leading cloud provider, has a vast array of services and infrastructure components. This section provides an overview of AWS's core concepts, its benefits, and global presence.

- Foundational principles and services of Amazon Web Services.
- Benefits of cloud computing and how AWS can provide scalable and cost-effective solutions.
- Global infrastructure of AWS, including regions and availability zones.

2. AWS Core Services

Dive deep into the primary services that AWS offers. From compute services like EC2 to storage solutions such as S3, get a comprehensive understanding of AWS's core offerings.

- Key AWS services such as Amazon EC2, Amazon S3, and Amazon RDS.
- Detail AWS's offerings in compute, storage, and databases.
- Clarify the usage of AWS Marketplace and its vast array of software and services.

3. AWS Security Measures

Security remains a top priority in the cloud. Delve into the security measures AWS has in place, from IAM to security best practices, ensuring the safety of data and applications.

- The importance of security in AWS and the tools provided.
- AWS Identity and Access Management (IAM) and its role in managing access to AWS services.
- Best practices for ensuring security in AWS.

4. AWS Management Tools

Managing resources efficiently is crucial in the cloud. Explore AWS's suite of management tools that help in deploying, monitoring, and optimizing resources.

- Explore tools like AWS Management Console, AWS CLI, and AWS SDKs.
- Outline the functionalities and benefits of AWS CloudFormation.
- Clarify the usage of AWS monitoring tools such as Amazon CloudWatch.