

Cloud Explorations

Course ID: ECSCEWS1D



Course Description

In this session, we will define and explore the various concepts and technologies that weave the fabric we often refer to as “cloud.” We will examine the various cloud technologies, solutions, concepts, and implementation practices that impact today’s business landscape.

Learning Objectives

- + Learn how key initiatives involving cloud play a role in transforming an organization
- + Understand the differences in X-as-a-Service (XaaS) Models
- + Investigate differences in public, private, and multi cloud architectures and strategy
- + Learn about connectivity patterns and securing communication between data centers and clouds
- + Examine some of today's determinations in application modernization candidacy
- + Highlight the various types of tasks that become automated in cloud
- + Look at governance models needed to ensure successful implementation of cloud initiatives
- + Consider security parameters of cloud computing
- + Define DevOps practices

Who Should Attend

- + Business Executives
- + Line of Business Owners
- + IT and Engineering Directors or Managers
- + CXO Leadership
- + Technology Individual Contributors

Prerequisites

- + There are no prerequisites for this session

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Course Content

Module 1: Introduction

- + Introductions
- + Voice of the Customer

Module 2: Cloud Center of Excellence

- + Getting started on the journey
- + Benefits of the CCOE
- + Team makeup and skillsets

Module 3: Service Offerings

- + IaaS
- + SaaS
- + PaaS + Beyond

Module 4: Connectivity

- + Inter-Cloud Patterns
- + Intra-Cloud Patterns
- + Going multi-cloud?

Module 5: Design Patterns

- + Review XaaS Examples
- + Hybrid Application Deployments

Module 6: Security + Identity

- + Compliance
- + Encryption
- + Segmentation with native and 3rd party tools
- + Federation, SSO, and MFA
- + Active Directory in the Cloud

Module 7: Costing

- + Designing for efficiency
- + Visibility and alerting
- + Native and 3rd party tool integration

Module 8: App Modernization + Automation

- + DevOps and microservices
- + Containers
- + Automation tooling

Module 9: Governance + Day 2 Operations

- + Cloud Management Platforms
- + Tooling – Monitoring, Management, Logging
- + Internal Organizational Shifts – Skillsets
- + Exit Strategies

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