MIGRATING TO AWS CERTIFICATION TRAINING
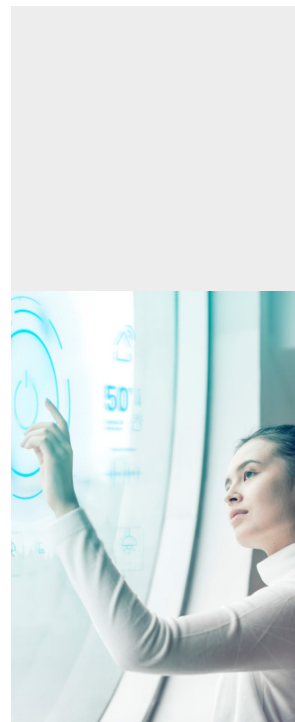
Course Level:
Intermediate

Course Duration:
3 Days

Course Overview:

This Migrating to AWS course from CloudThat offers candidates an understanding of how to plan and migrate existing workloads to the AWS Cloud. Candidates taking up this AWS Cloud Migration training learn about various cloud migration strategies and how to conduct a migration, apply portfolio discovery, post-migration validation, application optimization, and application migration planning and design.

This AWS Server Migration online course provides hands-on lab learning sessions to provide candidates with an in-depth understanding and knowledge necessary to complete migration tasks. The course comprises presentations, demonstrations, assessments, and group exercises.

Prerequisites

We recommend that attendees of this AWS Cloud Migration course have:

- Familiarity with enterprise IT infrastructure (hardware and software)

- Completed the AWS Technical Essentials or Architecting on AWS classroom training

- Achieved their AWS Certified Solutions Architect – Associate certification (optional)

Objectives

- Recognize the common business and technical drivers for migrating to the cloud

- Summarize the three phases of a migration and associated objectives, tasks, and stakeholders for each

- Describe AWS architecture, tools, and migration best practices

- Distinguish between the various cloud migration strategies and when each is most appropriate

- Determine an organization's application migration readiness

- Discover a portfolio and gather data necessary for migration

- Plan and design an application migration strategy

Perform and validate application migration to the cloud

Optimize applications and operations after migrating to the cloud

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Course Outline

Day 1

Module 1: Introduction to Migrating to AWS

- Course introduction Module 1: What Is a Cloud Migration?
- Summarize the drivers and desired outcomes of a cloud migration
- Identify the elements of a successful migration journey
- Describe the three-phase AWS migration process

Module 2: Assessing Migration Readiness

- Summarize the activities and goals of the assess phase
- Evaluate tools for assessing your organization's cloud readiness
- Describe Migration Readiness Assessments (MRAs) and their importance
- Group Exercise: Assess cloud migration readiness with AWS Cloud Adoption Readiness Tool (CART)

Module 3: Preparing for a Migration and Understanding Related Workstreams

- Summarize the mobilize phase of the process
- Discuss the eight unique migration-related workstreams

Module 4: Discovering Landing Zones and Their Benefits

- Explain the function of a landing zone
- Discuss best practices for creating a custom landing zone
- Describe how you would use AWS Control Tower to create a landing zone

Module 5: Building a Landing Zone

- Summarize the process of building a landing zone
- Determine the best multi-account structure, governance policies, and connectivity plan for a landing zone
- Demonstration: AWS Control Tower
- Hands-On Lab: Connecting Your On-Premises Network & Directory Services to AWS

Module 6: Discovering the Portfolio and Understanding Migration Strategies

- Explain the activities of the detailed portfolio discovery workstream
- Describe how to assess an application's migration readiness
- Summarize the seven migration strategies
- Group Exercise: Choose the best strategy (scenario-based)

Day 2

Module 7: Understanding and Choosing Portfolio Discovery Tools

- Summarize the various discovery tools available
- Distinguish which tools are best to use based on scenario
- Hands-On Lab: Gathering Application Data Necessary for Migration

Module 8: Planning and Designing a Migration

- Describe the planning and design process
- Summarize how to set up a migration factory
- Choose and finalize an application migration strategy

Module 9: Performing the Migration to AWS

- Explain the server migration process
- Discuss the various migration automation and governance tools available
- Evaluate server migration tools for compatibility with your environment
- Hands-On Lab: Migrating an Application to AWS

Module 10: Understanding Database and Data Migration Services

- Summarize the significance of database and data migration
- Discuss the various data migration tools available
- Hands-On Lab: Migrating an Existing Database to Amazon Aurora

Day 3

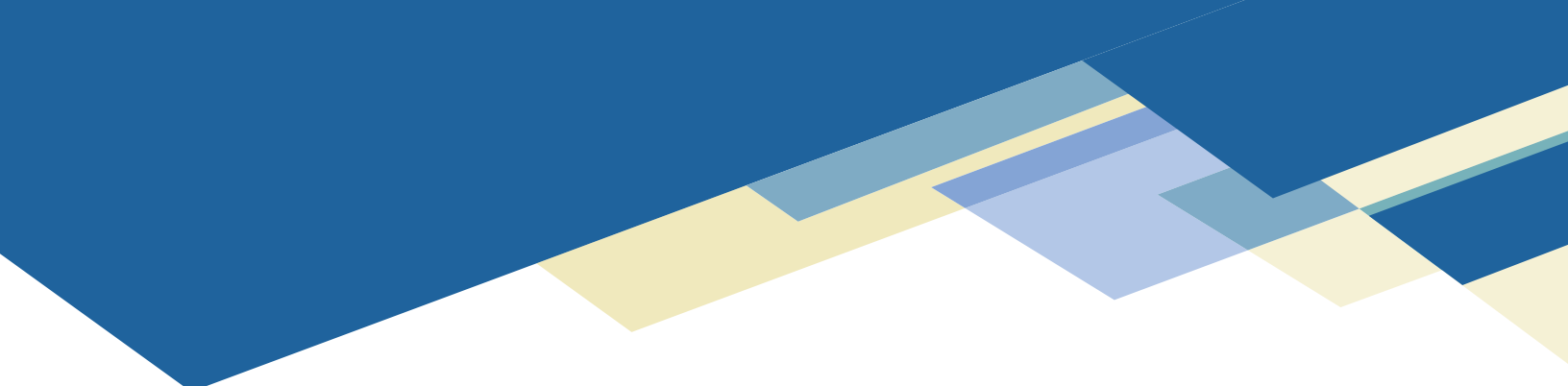## Module 11: Understanding Additional Migration Support Options

- Discuss additional migration support options
- Summarize AWS Managed Services and AWS Marketplace
- Describe SAP on AWS and services offered for Windows

Module 12: Integrating, Validating, and Cutting Over Applications

- Discuss the process and benefits of integrating, validating, and cutting over applications

Module 13: Modernizing and Optimizing an Application Migration

- Identify post-migration opportunities for modernization and optimization
- Understand cost and security optimization processes
- Explore tools available to support these processes
- Hands-On Lab: Optimizing an Application with Amazon S3 and Amazon ECS

Module 14: Understanding Operations Tools, Integration Testing, and Automation

- Summarize operations in the cloud
- Discuss four functions of operations and their domains
- Review operations automation and relevant support tools

Module 15: Migration Best Practices

- Course review and key takeaways
- Summarize and reinforce AWS best practices for migrating
- Hands-On Lab: Automating Application Deployments

Who should attend this course?

- Solutions architects
- Software engineers
- IT project managers
- Operation leads
- Other individuals involved in the planning and running of migration projects

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

Our Success Track

11+ Years of Experience	100+ Corporates served	28+ countries catered
650K+ Professionals trained	300+ Projects delivered	500+ Cloud certifications

To know more about our VMware certification training, email at **sales@cloudthat.com** or call us at **+918880002200.**