Migrating to AWS

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course is for individuals who seek an understanding of how to plan and migrate existing workloads to the AWS Cloud. You will learn about various cloud migration strategies and how to apply each step of the migration process, including portfolio discovery, application migration planning and design, conducting a migration, and post-migration validation and application optimization. Hands-on labs reinforce learning, and each lab is designed to provide you with the understanding and foundation necessary to complete migration tasks in your organization.

About This Course

This course is for individuals who seek an understanding of how to plan and migrate existing workloads to the AWS Cloud. You will learn about various cloud migration strategies and how to apply each step of the migration process, including portfolio discovery, application migration planning and design, conducting a migration, and post-migration validation and application optimization. Hands-on labs reinforce learning, and each lab is designed to provide you with the understanding and foundation necessary to complete migration tasks in your organization.

Who Should Attend

This course is intended for:

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

Prerequisites & Entry Requirements

General Prerequisites:

We recommend that attendees of this course have:

- Familiarity with enterprise IT infrastructure (hardware and software)
- Completed the AWS Technical Essentials (AWSE) or Architecting on AWS (AWSA)
- Achieved their (!) certification (optional)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

In this course, you will learn to:

- 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

Detailed Course Outline

Day 1

Module 1: What Is a Cloud Migration?

- Drivers and outcomes of a cloud migration
- Planning for a successful cloud migration
- The three-phase migration process

Module 2: Assessing Migration Readiness

- The assess phase
- Cloud readiness assessment tools

- Examine your IT landscape and build your business case

- Group Exercise: The Cloud Adoption Tool (CART)

Module 3: Preparing for a Migration and Understanding Related Workstreams

- Mobilize phase

- Migration-related workstreams

Module 4: Discovering Landing Zones and Their Benefits

- What is a landing zone?

- Custom multi-account structure with AWS Organizations

- AWS Control Tower

- Customizations for AWS Control Tower (CfCt)

- Planning for connectivity

Module 5: Building a Landing Zone and Their Benefits

- What is a landing zone?

- Custom multi-account structure with AWS Organizations

- AWS Control Tower

- Planning for connectivity

Module 6: Discovering the Portfolio and Understanding Migration Strategies

- Detailed portfolio discovery workstream

- Evaluating cloud readiness

- Cloud migration strategies

- Group Exercise: Choose a migration strategy (scenario-based)

Day 2

Module 7: Understanding and Choosing Portfolio Discovery Tools

- Migration Evaluator
- AWS Migration Hub and AWS Application Discovery Service
- AWS Systems Manager and Amazon CloudWatch
- Hands-On Lab: Gathering Application Data Necessary for Migration

Module 8: Planning and Designing a Migration

- Plan the migration overall
- Building the migration factory
- Design the migration for each application
- Group Exercise: Build a migration plan
- Group Exercise: Design for migration

Module 9: Performing the Migration to AWS

- Server migration process
- Server migration tools
- VMware Cloud on AWS
- AWS Application Migration Service (AWS MGN)
- Evaluating server migration tools
- Hands-On Lab: Migrating an Application to AWS

Module 10: Understanding Database and Data Migration Services

- Data migration
- Online data migration services
- Offline data migration services
- Database migration
- Hands-On Lab: Migrating an Existing Database to Amazon Aurora

Day 3

Module 11: Understanding Additional Migration Support Options

- AWS Managed Services

- AWS Service Catalog

- AWS Service Catalog integrations

- Microsoft workloads on AWS

- SAP on AWS

Module 12: Integrating, Validating, and Cutting Over Applications

- Migrate and modernize phase

- Cutover strategy

Module 13: Modernizing and Optimizing an Application Migration

- Cost optimization

- Performance optimization

- AWS tools used to optimize

- Modernize the enterprise

- Use containers

- Use serverless architectures

- Hands-On Lab: Optimizing an Application with Amazon S3 and Amazon ECS

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

- AWS Config

- Infrastructure and operations as code

- Adopting a DevOps approach

- Automate change and configuration

- Automate management

Module 15: Migration Best Practices

- Course review

- Best practices

- Continue your learning

- Hands-On Lab: Automating Application Deployments, Planning and Designing a Migration, Performing the Migration to AWS, Understanding Additional Migration Support Options, Understanding Database and Data Migration Services, Modernizing and Optimizing an Application Migration, Integrating, and Cutting Over Applications, Understanding Operations Tools, and Automation, Migration Best Practices, Assessing Migration Readiness, Introduction to Migrating to AWS, What Is a Cloud Migration?, Building a Landing Zone, Understanding and Choosing Portfolio Discovery Tools, Discovering the Portfolio and Understanding Migration Strategies, Discovering Landing Zones and Their Benefits, Preparing for a Migration and Understanding Related Workstreams

Skills You Will Learn:

In this course, you will learn to:

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

Q: What delivery options are available for Migrating to AWS?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Migrating to AWS course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Migrating to AWS training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Migrating to AWS?

Yes, we provide corporate training, dedicated training, and closed classes for Migrating to AWS. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Migrating to AWS, Migration, AWSM, Amazon Web Services, vILT

Q: Why choose Nexus Human for Migrating to AWS?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Migrating to AWS training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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