

Migrating Workloads to Azure

Modality: Self-Paced Learning

Duration: 16 Hours

About this course:

Either overcoming obsolescence cycles for hardware, allowing disaster recovery or speeding up the time to market, enterprises should think about moving some services to the cloud on-premises. This program will teach you why it might just make sense to move some loads of work to Azure. Apps specifically designed for the cloud will effectively leverage the benefits of the cloud and the agility it provides. Nevertheless, several approaches initially designed for a situation at the premises can also advantageous from the cloud. This training will expose you to various migration scenarios such as when to restore a migration in Azure and the drawbacks of migration.

Students will also discover techniques to ensure that there are no incompatible features or configurations of the services you want to migrate. Like validating, scheduling, checking and then committing to a migration workflow. This course will focus on techniques to configure your migration to the Azure platform. You'll explore how to configure and choose the Azure virtual network and right storage account. Students will study regarding ASR (Azure Site Recovery) as the Business Continuity Disaster Recovery approach in addition to the multiple implementation models, requirements and scenarios for replicating and migrating resources to Azure.

The MS Azure Administrator will make an average salary of \$87,304 per annum.

Course Objective:

Once the training is finished, the applicant will be able to:

- Techniques to configure and choose the right virtual Azure network and storage account.
- Differentiate the various migration situations and consider when to restore a migration in Azure.
- Verify that workloads are recoverable and secure through on-site server replication, utilizing ASR (Azure Site Recovery)
- Migration preparation to confirm that migrating resources can be protected in Azure.

Audience:

This course is designed for

- Cloud administrator

Prerequisites:

- Basic knowledge of cloud computing models
- Basic knowledge of virtualization

- Understanding of storage and networking concepts
- Fundamental knowledge of command-line interface scripting and PowerShell

Course Outline:

1 | Why Migrate Workloads to Microsoft Azure

- What are the Benefits of Migrating to Azure
- Security of the Azure Platform
- Review Questions

2 | Planning for Migration

- General Planning Considerations and Key Concepts
- Governance Considerations
- Additional Planning Considerations
- Review Questions

3 | Migrating to Microsoft Azure

- Building the Azure Environment
- Traditional Migration Approaches
- Using Azure Site Recovery as a Migration Tool (IaaS)
- Azure Site Recovery Step by Step
- Review Questions

4 | A Migration Case Study

- An Example Customer Case Study
- Proposed Solution
- Additional Planning Considerations

Course Completion

- Final Exam Graded