

Document Generated: 12/17/2025

Learning Style: On Demand

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 24 Hours

Microsoft Azure Virtual Machines



About this course:

Cloud computing is a fact for a small and big company alike. MS Azure is at the frontier of cloud computing, which is why system administrators and engineers must recognize how virtual machines can be created and managed on Azure.

Great capabilities come with the help of the cloud. They are still technical, that being said. That is why we've put together this step-by-step program to provide you all you need to know about MS Azure Virtual Machines from the ground up. This training emphasizes using Logging as a service virtual machine for Logging as a service workload in Azure, focusing on basic tasks such as setup, planning, management, and deployment. You will be guided to how to maintain your virtual machines and make them highly scalable and accessible.

The Azure Engineer can earn an average salary of \$88,573 per annum.

Course Objective:

- Discover how to plan, build and implement virtual machines from Azure Windows.
- How Logging as a service (LaaS) utilizes virtual machines and the essential endpoint and IP addressing concepts.
- How to configure availability, IP addresses, security and scalability of a virtual machine.
- How virtual machine workloads can be determined and the virtual machines correctly configured.
- How to import, export, manage and attach virtual disks.

Audience:

This online training program is designed for

- Network Administrators and Systems Engineers who want to improve their MS Azure and IaaS skills.

Prerequisite:

- Basic understanding of virtualization concepts.
- Fundamental knowledge of cloud computing models.
- Fundamental knowledge of command-line interface (CLI) and PowerShell scripting.

Course Outline:

Introduction to Virtual Machines

- Virtual Machines-Overview
- IaaS and Virtual Machines
- Identifying Workloads
- Sizing Virtual Machines
- Review Questions-Introduction to Virtual Machines

Creating Virtual Machines

- Planning for Virtual Machine Deployment

- Creating Virtual Machines (Portal)
- Virtual Machines (PowerShell)
- Virtual Machines (Templates)
- Virtual Machines (Custom Images)
- Virtual Machines (Linux)
- Review Questions-Creating Virtual Machines

Configuring Virtual Machines

- Configuring Virtual Machines-Overview
- Virtual Machine IP Addressing
- Virtual Machine Availability
- Virtual Machine Scalability
- Review Questions-Configuring Virtual Machines

Virtual Machine Disks

- Virtual Machine Storage-Overview
- Virtual Machine Disk Types
- Importing and Exporting Disks
- Review Questions-Virtual Machine Disks

Managing Virtual Machines

- Managing Virtual Machines-Overview
- Configuration Management Tools
- Monitoring Virtual Machines
- Review Questions-Managing Virtual Machines

Course Completion

- Final Exam
- Lab-Graded