

Deploy and Administer Linux Virtual Machines on Azure

AZ 1007

Course Name	Deploy and Administer Linux Virtual Machines on Azure
Course Code	AZ 1007
Course Duration	1 Day
Course Structure	Instructor-Led
Course Overview	AZ-1007: Deploy and Administer Linux Virtual Machines on Azure delivers practical, hands-on experience with the deployment and ongoing administration of Linux virtual machines within the Microsoft Azure platform. Delegates will develop the skills required to create and configure workloads on virtual machines, access blob and file storage, monitor performance, trigger alerts, and protect data through backup operations. The course bridges fundamental-level Azure skills and entry-level associate-level competencies, with applicability across multiple IT roles including infrastructure, storage, security, and monitoring. Through guided exercises, delegates will gain confidence administering Linux workloads in production-grade Azure environments.
Audience Profile	This course is intended for IT professionals performing Azure Administrator virtual machine workload tasks as part of their daily responsibilities. It is appropriate for learners seeking to bridge fundamental-level Azure skills with associate-level competencies, including those working in infrastructure, storage, security, and monitoring roles.
Course Prerequisites	Delegates should have completed Azure fundamentals training or possess equivalent knowledge of basic cloud and virtualisation concepts. Familiarity with Linux command-line operations is beneficial.
Course Outcome	Upon successful completion of this course, delegates will be equipped with the skills and knowledge required to: • Deploy Linux virtual machines on Microsoft Azure • Configure workloads, storage, and networking for Linux VMs • Access and manage Azure blob and file storage from Linux • Monitor virtual machines and configure alert rules • Implement backup and disaster recovery for Linux VMs

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	Administer day-to-day operations of Azure Linux workloads
Assessment/Evaluation	This course prepares delegates for the Microsoft Applied Skills credential: Deploy Linux Virtual Machines on Azure. Successful completion of the associated assessment will result in attainment of the credential and a Certificate of Attendance issued by IT-IQ Botswana.

Course Details	
Topic	Module 1: Deploy Linux Virtual Machines on Azure - Choosing virtual machine sizes and images - Creating Linux VMs through the portal and CLI - Configuring availability and resilience Module 2: Configure Linux VM Workloads - Installing and configuring workloads - Managing extensions and custom scripts - Securing the operating system Module 3: Manage Azure Blob and File Storage - Storage account fundamentals - Mounting Azure file shares from Linux - Accessing Blob storage from Linux Module 4: Monitor Linux Virtual Machines - Configuring Azure Monitor for VMs - Collecting performance and diagnostic data - Creating alert rules

	Module 5: Back Up and Restore Linux VMs • Azure Backup for Linux VMs • Defining backup policies • Restoring data and entire virtual machines Module 6: Secure and Govern Linux Workloads • Network security for VMs • Identity and access controls • Patching and update management Module 7: Operate and Optimise • Ongoing administration tasks • Cost management for VM workloads • Optimising performance
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