AVWSQ-AZ104

WSQ - Microsoft Azure Administrator

4 Days Course • Instructor-Led Training (English)

About The Course

This course teaches IT professionals how to manage their Microsoft Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create, and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Audience Profile

This course is for Azure Administrators. Azure Administrators manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors. Azure Administrators use the Azure Portal and as they become more proficient, they will use Microsoft PowerShell and the Command Line Interface to manage tasks.

Pre-Requisites

- Basic understanding of Cloud Computing concepts
- Basic understanding of Networking and Virtualization concepts
- Be able to listen and speak English at a proficiency level equivalent to the Employability Skills Workforce Skills Qualifications (ES WSQ) Workplace Literacy (WPL) level 6; and
- Be able to read and write English at a proficiency level equivalent to ES WSQ WPL level 6; and
- Be able to manipulate numbers at a proficiency level equivalent to ES WSQ WPN level 6; and
- The minimum age of course participants should be 21 years

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Course Outcome

- Secure identities with Azure Active Directory and users and groups.
- Manage subscriptions, accounts, Azure policies, and Role-Based Access Control.
- Administer Azure using the Resource Manager, Azure Portal, Cloud Shell, Azure PowerShell, CLI, and ARM templates.
- Configure virtual networks including planning, IP addressing, Azure DNS, Network Security Groups, and Azure Firewall.
- Configure intersite connectivity solutions like VNet Peering, virtual network gateways, and Site-to-Site VPN connections.
- Manage network traffic using network routing and service endpoints, Azure Load Balancer, and Azure Application Gateway.
- Implement, manage, and secure Azure storage accounts, blob storage, and Azure files with File Sync.
- Plan, create, and scale virtual machines.
- Administer Azure App Service, Azure Container Instances, and Kubernetes.
- Backup files, folders, and virtual machines.
- Monitor the Azure infrastructure with Azure Monitor, Azure alerts, Log Analytics, and Network Watcher.

Course Outline

11 Lessons

- Lesson 1: Administer Identity
- Lesson 2: Administer Governance and Compliance
- Lesson 3: Administer Azure Resources
- Lesson 4: Administer Virtual Networking
- Lesson 5: Administer Intersite Connectivity
- Lesson 6: Administer Network Traffic
- Lesson 7: Administer Azure Storage
- Lesson 8: Administer Azure Virtual Machines
- Lesson 9: Administer PaaS Compute Services
- Lesson 10: Administer Data Protection
- Lesson 11: Administer Monitoring