AZ-1007 Deploy and administer Linux virtual machines on Azure

Category: Infrastructure & IT Operations | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Deploy and administer Linux virtual machines on Azure
Related Exam:	AZ-1007

Course Overview

In this learning path, you prepare for the Applied Skill, Deploy and administer Linux virtual machines on Microsoft Azure.

About This Course

In this learning path, you prepare for the Applied Skill, Deploy and administer Linux virtual machines on Microsoft Azure.

Prerequisites & Entry Requirements

General Prerequisites:

- Experience using the Azure portal and CLI to create resources.
- Familiarity with identity management and role-based access control.
- Experience creating and configuring Azure virtual machines.
- Working knowledge of administering operating systems based on the Linux kernel.

Learning Outcomes

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

Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs using Azure Monitor for performance metrics and diagnostics.Implement backup and recovery strategies using Azure Backup for VMs.Administer Linux VMs with Azure CLI, including SSH access and software installation.Manage access and security with Azure roles, managed identities, and RBAC.Configure Azure Files, Azure File Sync, and use AzCopy for efficient data management., Course ObjectivesConfigure and deploy Linux virtual machines in Azure, focusing on storage and sizing.Manage and resize disks for VMs, including attaching and configuring VHDs.Monitor Linux VMs

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Detailed Course Outline

1 - Configure virtual machines

- Review cloud services responsibilities
- Plan virtual machines
- Determine virtual machine sizing
- Determine virtual machine storage
- Create virtual machines in the Azure portal
- Connect to virtual machines

2 - Add and size disks in Azure virtual machines

- Understand storage options for virtual machines (VMs)
- Determine whether to use premium storage
- Resize virtual machine disks

3 - Monitor your Azure virtual machines with Azure Monitor

- Monitoring for Azure VMs
- Monitor VM host data
- Use Metrics Explorer to view detailed host metrics
- Collect client performance counters by using VM insights
- Collect VM client event logs

4 - Protect your virtual machines by using Azure Backup

- Azure Backup features and scenarios
- Back up an Azure virtual machine by using Azure Backup
- Restore virtual machine data

5 - Manage virtual machines with the Azure CLI

- What is the Azure CLI?

6 - Implement access management for Azure resources

- Assign Azure roles
- Configure custom Azure roles
- Create and configure managed identities
- Access Azure resources with managed identities
- Analyze Azure role permissions
- Configure Azure Key Vault RBAC policies
- Retrieve objects from Azure Key Vault
- Explore Microsoft Entra Permissions Management

7 - Configure Azure Files and Azure File Sync

- Compare storage for file shares and blob data
- Manage Azure file shares
- Create file share snapshots
- Implement soft delete for Azure Files
- Use Azure Storage Explorer
- Deploy Azure File Sync

8 - Copy and move blobs from one container or storage account to another using the AzCopy command

- Move Azure Storage blobs using AzCopy

9 - Guided Project: Deploy and administer Linux virtual machines on Azure

, Configure virtual machines, Add and size disks in Azure virtual machines, Monitor your Azure virtual machines with Azure Monitor, Protect your virtual machines by using Azure Backup, Manage virtual machines with the Azure CLI, Implement access management for Azure resources, Configure Azure Files and Azure File Sync, Copy and move blobs from one container or storage account to another using the AzCopy command, Guided Project: Deploy and administer Linux virtual machines on Azure

🎓 Certification Path

Microsoft Applied Skills: Deploy and administer Linux virtual machines on Azure

Exam: AZ-1007

Frequently Asked Questions

Q: What delivery options are available for AZ-1007 Deploy and administer Linux virtual machines on Azure ?

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: What certification does this course prepare me for?

The AZ-1007 Deploy and administer Linux virtual machines on Azure course helps prepare you for the Microsoft Applied Skills: Deploy and administer Linux virtual machines on Azure certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-1007 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AZ-1007 Deploy and administer Linux virtual machines on Azure course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-1007 Deploy and administer Linux virtual machines on Azure training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-1007 Deploy and administer Linux virtual machines on Azure ?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-1007 Deploy and administer Linux virtual machines on Azure . 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: AZ-1007: Deploy and administer Linux virtual machines on Azure, Microsoft, vILT, AZ-1007

Q: Why choose Nexus Human for AZ-1007 Deploy and administer Linux virtual machines on Azure ?

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 AZ-1007 Deploy and administer Linux virtual machines on Azure training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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