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View Full Course Details including Latest Schedule Online

MICROSOFT

AZ-104T00: Microsoft Azure Administrator

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

Phoenix TS' 4-day instructor-led Microsoft Azure Administrator training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches IT Professionals how to manage their 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.

What You'll Learn

- Identity
- Governance and Compliance
- Azure Administration
- Virtual Networking
- Intersite Connectivity
- Network Traffic Management
- Azure Storage
- Azure Virtual Machines
- Serverless Computing
- Data Protection and
- Monitoring

Schedule

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DATE	LOCATION	
5/28/24 - 5/31/24 (4 days)	Columbia, MD Open	Contact Us
5/28/24 - 5/31/24 (4 days)	Live Online Open	Contact Us
9/03/24 - 9/06/24 (4 days)	Live Online Open	Contact Us
9/03/24 - 9/06/24 (4 days)	Columbia, MD Open	Contact Us
12/03/24 - 12/06/24 (4 days)	Live Online Open	Contact Us
12/03/24 - 12/06/24 (4 days)	Columbia, MD Open	Contact Us
1/21/25 - 1/24/25 (4 days)	Live Online Open	Contact Us
1/21/25 - 1/24/25 (4 days)	Columbia, MD Open	Contact Us

Program Level

Intermediate

Training Delivery Methods

Group Live

Duration

4 Days / 32 hours Training

CPE credits

20 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

Who Should Attend

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

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Prerequisites

Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking.

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP).
- Understanding of resilience and disaster recovery, including backup and restore operations.

Exam Information

Exam AZ-104: Microsoft Azure Administrator

Manage Azure identities and governance	15-20%
Implement and manage storage	10-15%
Deploy and manage Azure compute resources	25-30%
Configure and manage virtual networking	30-35%
Monitor and back up Azure resources	10-15%

You can purchase the exam voucher separately through Phoenix TS. Phoenix TS is an authorized testing center for Pearson VUE and Prometric websites. Register for exams by calling us or visiting the Pearson VUE and Prometric websites.

Duration

4 Days

Price

$2585

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Course Outline

Module 1: Identity

In this module, you will learn how to secure identities with Azure Active Directory, and implement users and groups.

- Azure Active Directory
- Users and Groups

Lab : Manage Azure Active Directory Identities

After completing this module, students will be able to:

- Secure and manage identities with Azure Active Directory.
- Implement and manage users and groups.

Module 2: Governance and Compliance

In this module, you will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control (RBAC)

Lab : Manage Subscriptions and RBAC

Lab : Manage Governance via Azure Policy

After completing this module, students will be able to:

- Implement and manage Azure subscriptions and accounts.
- Implement Azure Policy, including custom policies.
- Use RBAC to assign permissions.

Module 3: Azure Administration

In this module, you will learn about the tools an Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates. This module includes:

- Azure Resource Manager
- Azure Portal and Cloud Shell

- Azure PowerShell and CLI
- ARM Templates

Lab : Manage Azure resources by Using the Azure Portal

Lab : Manage Azure resources by Using ARM Templates

Lab : Manage Azure resources by Using Azure PowerShell

Lab : Manage Azure resources by Using Azure CLI

After completing this module, students will be able to:

- Leverage Azure Resource Manager to organize resources.
- Use the Azure Portal and Cloud Shell.
- Use Azure PowerShell and CLI.
- Use ARM Templates to deploy resources.

Module 4: Virtual Networking

In this module, you will learn about basic virtual networking concepts like virtual networks and subnetting, IP addressing, network security groups, Azure Firewall, and Azure DNS.

- Virtual Networks
- IP Addressing
- Network Security groups
- Azure Firewall
- Azure DNS

Lab : Implement Virtual Networking

After completing this module, students will be able to:

- Implement virtual networks and subnets.
- Configure public and private IP addressing.
- Configure network security groups.
- Configure Azure Firewall.
- Configure private and public DNS zones.

Module 5: Intersite Connectivity

In this module, you will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

Lab : Implement Intersite Connectivity

After completing this module, students will be able to:

- Configure VNet Peering.
- Configure VPN gateways.
- Choose the appropriate intersite connectivity solution.

Module 6: Network Traffic Management

In this module, you will learn about network traffic strategies including network routing and service endpoints, Azure Load Balancer, Azure Application Gateway, and Traffic Manager.

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway
- Traffic Manager

Lab : Implement Traffic Management

After completing this module, students will be able to:

- Configure network routing including custom routes and service endpoints.
- Configure an Azure Load Balancer.
- Configure and Azure Application Gateway.
- Choose the appropriate network traffic solution.

Module 7: Azure Storage

In this module, you will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Lab : Manage Azure storage

After completing this module, students will be able to:

- Create Azure storage accounts.
- Configure blob containers.
- Secure Azure storage.

- Configure Azure files shares and file sync.
- Manage storage with tools such as Storage Explorer.

Module 8: Azure Virtual Machines

In this module, you will learn about Azure virtual machines including planning, creating, availability and extensions.

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

Lab : Manage virtual machines

After completing this module, students will be able to:

- Plan for virtual machine implementations.
- Create virtual machines.
- Configure virtual machine availability, including scale sets.
- Use virtual machine extensions.

Module 9: Serverless Computing

In this module, you will learn administer serverless computing features like Azure App Service, Azure Container Instances, and Kubernetes.

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

Lab : Implement Web Apps

Lab : Implement Azure Container Instances

Lab : Implement Azure Kubernetes Service

After completing this module, students will be able to:

- Create an app service plan.
- Create a web app.
- Implement Azure Container Instances.
- Implement Azure Kubernetes Service.

Module 10: Data Protection

In this module, you will learn about backing up files and folders, and virtual machine backups.

- File and Folder Backups
- Virtual Machine Backups

Lab : Implement Data Protection

After completing this module, students will be able to:

- Backup and restore file and folders.
- Backup and restore virtual machines.

Module 11: Monitoring

In this module, you will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher

Lab : Implement Monitoring

After completing this module, students will be able to:

- Use Azure Monitor.
- Create Azure alerts.
- Query using Log Analytics.
- Use Network Watcher.

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