301-258-8200 | Sales@PhoenixTS.com | www.PhoenixTS.com

View Full Course Details including Latest Schedule Online

MICROSOFT

AZ-303T00: Microsoft Azure Architect Technologies

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' 5-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches Solutions Architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include virtualization, automation, networking, storage, identity, security, data platform, and application infrastructure. This course outlines how decisions in each theses area affects an overall solution.

What You'll Learn

- Secure identities with Azure Active Directory and users and groups.
- Implement identity solutions spanning on-premises and cloud-based capabilities
- Apply monitoring solutions for collecting, combining, and analyzing data from different sources.
- Manage subscriptions, accounts, Azure policies, and Role-Based Access Control.
- Administer Azure using the Resource Manager, Azure portal, Cloud Shell, and CLI.
- Configure intersite connectivity solutions like VNet Peering, and virtual network gateways.
- Administer Azure App Service, Azure Container Instances, and Kubernetes.

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.

Program Level

Intermediate

Training Delivery Methods

Group Live

Duration

5 Days / 32 hours Training

CPE credits

26 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 IT Professionals with expertise in designing and implementing solutions running on Microsoft Azure. They should have broad knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance. Azure Solution Architects use the Azure Portal and as they become more adept they use the Command Line Interface. Candidates must have expert-level skills in Azure administration and have experience with Azure development processes and DevOps processes.

Prerequisites

Successful Azure Solution Architects 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

AZ-303: Microsoft Azure Architect Technologies

Implement and monitor an Azure infrastructure	50-55%
Implement management and security solutions	25-30%
Implement solutions for apps	10-15%
Implement and manage data platforms	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

5 Days

Price

$3,295

Course Outline

Module 1: Implement VMs for Windows and Linux

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

Lessons

- Select Virtual Machine Size
- Configure High Availability
- Implement Azure Dedicated Hosts
- Deploy and Configure Scale Sets
- Configure Azure Disk Encryption

After completing this module, students will be able to:

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

- Understand High Availability options for VMs in Azure

Module 2: Automate Deployment and Configuration of Resources

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:

Lessons

- Azure Resource Manager Templates
- Save a Template for a VM
- Evaluate Location of New Resources
- Configure a Virtual Hard Disk Template
- Deploy from a Template
- Create and Execute an Automation Runbook

After completing this module, students will be able to:

- Leverage Azure Resource Manager to organize resources.
- Use ARM Templates to deploy resources.
- Create and Execute an Automation Runbook
- Deploy an Azure VM from a VHD
- Understand Azure encryption technologies

Module 3: Implement 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.

Lessons

- Virtual Network Peering
- Implement VNet Peering

After completing this module, students will be able to:

- Connect services with Virtual Network Peering
- Configure VNet Peering
- Understand Service Chaining
- Modify or delete VNet Peering

Module 4: Implement Load Balancing and Network Security

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.

Lessons

- Implement Azure Load Balancer
- Implement an Application Gateway
- Understand Web Application Firewall
- Implement Azure Firewall
- Implement Azure Front Door
- Implementing Azure Traffice Manager
- Implement Network Security Groups and Application Security Grou
- Implement Azure Bastion

After completing this module, students will be able to:

- Select a Load Balancer solution
- Configure Application Gateway
- Implement Azure Firewall
- Create an Azure Front Door
- Understand Traffic Manager routing methods
- Configure Network Security Groups (NSGs)

Module 5: Implement Storage Accounts

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.

Lessons

- Storage Accounts
- Blob Storage
- Storage Security
- Managing Storage
- Accessing Blobs and Queues using AAD
- Configure Azure Storage Firewalls and Virtual Networks

After completing this module, students will be able to:

- Understand Storage Account services and types
- Configure Blob storage, accounts, containers, and access tiers
- Implement Shared Access Signatures
- Understand Azure Storage firewalls and virtual networks

Module 6: Implement Azure Active Directory

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

Lessons

- Overview of Azure Active Directory
- Users and Groups
- Domains and Custom Domains
- Azure AD Identity Protection
- Implement Conditional Access
- Configure Fraud Alerts for MFA
- Implement Bypass Options
- Configure Trusted IPs
- Configure Guest Users in Azure AD
- Manage Multiple Directori

After completing this module, students will be able to:

- Understand how Multiple AAD organizations interact
- Add Guest Users to Azure AD
- Configure Location Condition Configuration
- Configure Azure MFA settings
- Implement Conditional Access Azure MFA

Module 7: Implement and Manage Azure Governance

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

Lessons

- Create Management Groups, Subscriptions, and Resource Groups
- Overview of Role-Based Access Control (RBAC)
- Role-Based Access Control (RBAC) Roles
- Azure AD Access Reviews
- Implement and Configure an Azure Policy
- Azure Blueprints

After completing this module, students will be able to:

- Understand Resource Group 0rganization
- Understand how RBAC works
- Create an Azure AD access review

- Create and manage policies to enforce compliance
- Create a Blueprint

Module 8: Implement and Manage Hybrid Identities

In this module, you will learn how to install and configure Azure AD Connect and implement Azure AD Connect Health.

Lessons

- Install and Configure Azure AD Connect
- Configure Password Sync and Password Writeback
- Configure Azure AD Connect Health

After completing this module, students will be able to:

- Implement Azure AD seamless Single Sign-On
- Perform an Azure AD Connect installation
- Implement Azure AD Connect Health

Module 9: Manage Workloads in Azure

In this module, you will learn how to migrate workloads using Azure Migrate, perform VMware agent-based and agent-less migrations, and perform Azure Backup and Azure Site Recovery.

Lessons

- Migrate Workloads using Azure Migrate
- VMware – Agentless Migration
- VMware – Agent-Based Migration
- Implement Azure Backup
- Azure to Azure Site Recovery
- Implement Azure Update Management

After completing this module, students will be able to:

- Understand agent-based migration architecture
- Prepare for Azure for migration
- Prepare an on-premises VMware environment
- Understand Azure VM backup architecture
- Manage updates and patches for Azure VMs

Module 10: Implement Cloud Infrastructure Monitoring

In this module, you will learn about Azure Monitor, Azure Workbooks, Azure Alerts, Network Watcher, Azure Service Health, Azure Application Insights.

Lessons

- Azure Infrastructure Security Monitoring
- Azure Monitor
- Azure Workbooks
- Azure Alerts
- Log Analytics
- Network Watcher
- Azure Service Health
- Monitor Azure Costs
- Azure Application Insights
- Unified Monitoring in Azure

Module 11: Manage Security for Applications

In this module, you will learn about Azure Key Vault and implementing authentication using Azure Managed Identities.

Lessons

- Azure Key Vault
- Azure Managed Identity

After completing this module, students will be able to:

- Explain Key Vault uses such as screts, key, and Cerficate management
- Use Managed Identities with Azure resources

Module 12: Implement an Application Infrastructure

In this module, you will learn how to create an App Service web App for Containers, create and configure an App Service Plan, and create and manage Deployment Slots.

Lessons

- Create and Configure Azure App Service
- Create an App Service Web App for Containers
- Create and Configure an App Service Plan
- Configure Networking for an App Service

- Create and Manage Deployment Slots
- Implement Logic Apps
- Implement Azure Functions

After completing this module, students will be able to:

- Configure an Azure App Service
- Create an App Service Plan
- Create a Workflow using Azure Logic Apps
- Create a Function App

Module 13: Implement Container-Based Applications

In this module, you will learn how to run Azure Container instances and how to deploy Kubernetes with AKS.

Lessons

- Azure Container Instances
- Configure Azure Kubernetes Service

After completing this module, students will be able to:

- Run Azure Container instances
- Deploy Kubernetes with AKS

Module 14: Implement NoSQL Databases

In this module, you will learn about Azure Table Storage and recommend options for CosmsoDB APIs.

Lessons

- Configure Storage Account Tables
- Select Appropriate CosmosDB APIs

After completing this module, students will be able to:

- Outline the Table Service Data Model
- Understand options for Azure Cosmos DB
- Understand high availability using CosmosDB

Module 15: Implement Azure SQL Databases

In this module, you will create an Azure SQL Database single database, create an Azure SQL Database Managed Instance, and review high-availability and Azure SQL database.

Lessons

- Configure Azure SQL Database Settings
- Implement Azure SQL Database Managed Instances
- High-Availability and Azure SQL Database

After completing this module, students will be able to:

- Create an Azure SQL Database single database
- Create an Azure SQL Database Managed Instance
- Recommend high-availability architectural models used in Azure SQL Database

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Starting at **$3,295**

ATTENTION

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Price Match Guarantee

We'll match any competitor's price quote. Call us at 240-667-7757.