AZ-900T00 Microsoft Azure Fundamentals

Category: Cloud Platforms | **Vendor:** Microsoft

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 Certified: Azure Fundamentals
Related Exam:	AZ-900

Course Overview

This course will provide foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

About This Course

This course will provide foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

Who Should Attend

This course is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This course primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This course combines lecture, demonstrations, and hands-on labs. This course will also help prepare someone for the AZ-900 exam.

Prerequisites & Entry Requirements

General Prerequisites:

There are no prerequisites for taking this course. Familiarity with cloud computing is helpful, but isn't necessary.

Learning Outcomes

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

Learn about concepts, cloud services, the types of cloud models, and the types of cloud services

Understand Azure core cloud architectural components, Azure services and products, Azure solutions, and Azure management tools

Get familiar with Azure security, identity, governance, monitoring, reporting, and standards

Get details on Azure subscriptions, planning and managing costs, support options, SLAs, and service lifecycles.

Detailed Course Outline

1 - Describe cloud computing

- What is cloud computing
- Describe the shared responsibility model
- Define cloud models
- Describe the consumption-based model

2 - Describe the benefits of using cloud services

- Describe the benefits of high availability and scalability in the cloud
- Describe the benefits of reliability and predictability in the cloud
- Describe the benefits of security and governance in the cloud
- Describe the benefits of manageability in the cloud

3 - Describe cloud service types

- Describe Infrastructure as a Service
- Describe Platform as a Service
- Describe Software as a Service

4 - Describe the core architectural components of Azure

- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure

5 - Describe Azure compute and networking services

- Describe Azure Virtual Machines
- Describe Azure Virtual Desktop
- Describe Azure Containers
- Describe Azure Functions
- Describe application hosting options
- Describe Azure Virtual Networking
- Describe Azure Virtual Private Networks
- Describe Azure ExpressRoute
- Describe Azure DNS

6 - Describe Azure storage services

- Describe Azure storage accounts
- Describe Azure storage redundancy
- Describe Azure storage services
- Identify Azure data migration options
- Identify Azure file movement options

7 - Describe Azure identity, access, and security

- Describe Azure directory services
- Describe Azure authentication methods
- Describe Azure external identities
- Describe Azure conditional access
- Describe Azure role-based access control
- Describe zero trust model
- Describe defense-in-depth
- Describe Microsoft Defender for Cloud

8 - Describe cost management in Azure

- Describe factors that can affect costs in Azure
- Compare the Pricing and Total Cost of Ownership calculators
- Describe the Microsoft Cost Management tool
- Describe the purpose of tags

9 - Describe features and tools in Azure for governance and compliance

- Describe the purpose of Microsoft Purview
- Describe the purpose of Azure Policy
- Describe the purpose of resource locks
- Describe the purpose of the Service Trust portal

10 - Describe features and tools for managing and deploying Azure resources

- Describe tools for interacting with Azure
- Describe the purpose of Azure Arc
- Describe Azure Resource Manager and Azure ARM templates

11 - Describe monitoring tools in Azure

- Describe the purpose of Azure Advisor
- Describe Azure Service Health
- Describe Azure Monitor

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1 - Describe cloud computing

- What is cloud computing
- Describe the shared responsibility model
- Define cloud models
- Describe the consumption-based model
- Module assessment

2 - Describe the benefits of using cloud services

- Describe the benefits of high availability and scalability in the cloud
- Describe the benefits of reliability and predictability in the cloud
- Describe the benefits of security and governance in the cloud
- Describe the benefits of manageability in the cloud
- Module assessment

3 - Describe cloud service types

- Describe Infrastructure as a Service
- Describe Platform as a Service
- Describe Software as a Service
- Module assessment

4 - Describe the core architectural components of Azure

- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure
- Module assessment

5 - Describe Azure compute and networking services

- Describe Azure virtual machines
- Describe Azure virtual desktop
- Describe Azure containers
- Describe Azure functions
- Describe application hosting options
- Describe Azure virtual networking
- Describe Azure virtual private networks
- Describe Azure ExpressRoute
- Describe Azure DNS
- Module assessment

6 - Describe Azure storage services

- Describe Azure storage accounts
- Describe Azure storage redundancy
- Describe Azure storage services
- Identify Azure data migration options
- Identify Azure file movement options
- Module assessment

7 - Describe Azure identity, and security

- Describe Azure directory services
- Describe Azure authentication methods
- Describe Azure external identities
- Describe Azure conditional access
- Describe Azure role-based access control
- Describe Zero Trust model
- Describe defense-in-depth
- Describe Microsoft Defender for Cloud
- Module assessment

8 - Describe cost management in Azure

- Describe factors that can affect costs in Azure
- Explore the pricing calculator
- Describe the Microsoft Cost Management tool
- Describe the purpose of tags
- Module assessment

9 - Describe features and tools in Azure for governance and compliance

- Describe the purpose of Microsoft Purview
- Describe the purpose of Azure Policy
- Describe the purpose of resource locks
- Describe the purpose of the Service Trust portal
- Module assessment

10 - Describe features and tools for managing and deploying Azure resources

- Describe tools for interacting with Azure
- Describe the purpose of Azure Arc
- Describe Azure Resource Manager and Azure ARM templates
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11 - Describe monitoring tools in Azure

- Describe the purpose of Azure Advisor
- Describe Azure Service Health
- Describe Azure Monitor
- Module assessment

, Describe cloud computing

Define cloud computing

Describe the shared responsibility model

Define cloud concepts and models, including public, private, and hybrid

Identify appropriate use cases for each cloud model

Describe the consumption-based model

Compare cloud pricing models

Describe the benefits of using cloud services

Describe the benefits of high availability and scalability in the cloud

Describe the benefits of reliability and predictability in the cloud

Describe the benefits of security and governance in the cloud

Describe the benefits of manageability in the cloud

Describe cloud service types

Describe Infrastructure as a Service (IaaS)

Describe Platform as a Service (PaaS)

Describe Software as a Service (SaaS)

Identify appropriate use cases for each cloud service (IaaS, PaaS, SaaS)

Describe the core architectural components of Azure

Describe Azure regions, region pairs, and sovereign regions

Describe Availability Zones

Describe Azure datacenters

Describe Azure resources and Resource Groups

Describe subscriptions

Describe management groups

Describe the hierarchy of resource groups, subscriptions, and management groups

Lab: Explore the Learn sandbox

Lab: Create an Azure resource

Describe Azure compute and networking services

Compare compute types, including container instances, virtual machines, and functions

Describe virtual machine (VM) options, including VMs, Virtual Machine Scale Sets, availability sets, Azure Virtual Desktop

Describe resources required for virtual machines

Describe application hosting options, including Azure Web Apps, containers, and virtual machines

Describe virtual networking, including the purpose of Azure Virtual Networks, Azure virtual subnets, peering, Azure DNS, VPN Gateway, and ExpressRoute

Define public and private endpoints

Lab: Create an Azure Virtual Machine

Lab: Configure network access

Describe Azure storage services

Compare Azure storage services

Describe storage tiers

Describe redundancy options

Describe storage account options and storage types

Identify options for moving files, including AzCopy, Azure Storage Explorer, and Azure File Sync

Describe migration options, including Azure Migrate and Azure Data Box

Lab: Create a storage blob

Describe Azure identity, and security

Describe directory services in Azure, including Azure Active Directory (AD) and Azure AD DS

Describe authentication methods in Azure, including single sign-on (SSO), multifactor authentication (MFA), and passwordless

Describe external identities and guest access in Azure

Describe Azure AD Conditional Access

Describe Azure Role-Based Access Control (RBAC)

Describe the concept of Zero Trust

Describe the purpose of the defense-in-depth model

Describe the purpose of Microsoft Defender for the Cloud

Describe cost management in Azure

Describe factors that can affect costs in Azure

Compare the Pricing calculator and Total Cost of Ownership (TCO) calculator

Describe Azure Cost Management Tool

Describe the purpose of tags

Lab: Estimate workload costs by using the Pricing calculator

Lab: Compare workload costs using the TCO calculator

Describe features and tools in Azure for governance and compliance

Describe the purpose of Azure Blueprints

Describe the purpose of Azure Policy

Describe the purpose of resource locks

Describe the purpose of the Service Trust portal

Lab: Configure a resource lock

Describe features and tools for managing and deploying Azure resources

Describe Azure portal

Describe Azure Cloud Shell, including Azure CLI and Azure PowerShell

Describe the purpose of Azure Arc

Describe Azure Resource Manager (ARM) and Azure ARM templates

Describe monitoring tools in Azure

Describe the purpose of Azure Advisor

Describe Azure Service Health

Describe Azure Monitor, including Azure Log Analytics, Azure Monitor Alerts, and Application Insights

□□ Certification Path

Microsoft Certified: Azure Fundamentals

Exam: AZ-900

Upcoming Schedule

Available training dates for AZ-900T00 Microsoft Azure Fundamentals:

Start Date	End Date	Location	Delivery	Price
16 Nov 2026	16 Nov 2026	Online	Virtual	€695.00
30 Nov 2026	30 Nov 2026	Online	Virtual	€695.00
14 Dec 2026	14 Dec 2026	Online	Virtual	€695.00
04 Jan 2027	04 Jan 2027	Online	Virtual	€695.00
15 Feb 2027	15 Feb 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€495.00
08 Mar 2027	08 Mar 2027	Virtual Classroom - Zoom	Virtual	€495.00
17 May 2027	17 May 2027	Online	Virtual	€495.00
16 Aug 2027	16 Aug 2027	Online	Virtual	€495.00
06 Dec 2027	06 Dec 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€495.00

Additional Course Details

Nexus Humans AZ-900 Microsoft Azure Fundamentals training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and

collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AZ-900 Microsoft Azure Fundamentals course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for AZ-900T00 Microsoft Azure Fundamentals?

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-900T00 Microsoft Azure Fundamentals course helps prepare you for the Microsoft Certified: Azure Fundamentals certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-900 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-900T00 Microsoft Azure Fundamentals 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-900T00 Microsoft Azure Fundamentals 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-900T00 Microsoft Azure Fundamentals?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-900T00 Microsoft Azure Fundamentals. 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: az900 az 900 az901 az-901 az 901, AZ-900T00: Introduction to Cloud Infrastructure, Microsoft, vILT, AZ-900T00

Q: Why choose Nexus Human for AZ-900T00 Microsoft Azure Fundamentals?

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-900T00 Microsoft Azure Fundamentals training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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