

AZ-900: Microsoft Azure Fundamentals

Understand how Azure works, speak the language of cloud with confidence and prepare for the AZ-900 exam in a single day.

DURATION

1 day · 8 hours

LEVEL

Beginner

CURRICULUM

5 modules · 5 labs

DELIVERYLive online, Onsite,
Corporate

Course overview

Most cloud conversations in a project meeting assume you already know what a region is, why a managed service costs less to run than a virtual machine, or who is responsible for patching what. This one-day course gives you that foundation quickly. It is designed for technical and non-technical professionals alike, and it uses the Azure portal throughout so the ideas stay concrete rather than theoretical.

The morning covers cloud concepts — service models, deployment models, the shared responsibility model and the consumption-based way cloud is paid for — before moving into Azure architecture: regions, availability zones, subscriptions and resource groups. You then look at the main compute, networking and storage services and when each one is the sensible choice.

The afternoon turns to identity, security and governance. You will see how Microsoft Entra ID, multifactor authentication and Conditional Access protect sign-ins, how Azure Policy, resource locks and tags keep an estate organised, and how cost tools such as the pricing calculator and Cost Management help a team stay within budget. Monitoring tools including Azure Advisor and Service Health round off the day.

Short labs follow each block, so you deploy a virtual machine, create a storage account and apply a policy yourself instead of only watching slides. The final session explains the question styles you will meet and walks through a practice quiz with every answer explained.

The course is aligned to the published AZ-900 skills outline. Microsoft revises its exams from time to time, so confirm the current outline on Microsoft Learn before you book.

Highlights

- 8 hours of live, trainer-led teaching
- Five short labs in the Azure portal — no prior cloud experience needed
- Covers every AZ-900 skill area in plain language
- Practice quiz with explained answers
- Ideal first step before AZ-104, AZ-305 or DP-900

What's included

- Live trainer-led session with time for questions
- Hands-on labs in the Azure portal after each block
- Plain-language explanations suited to non-technical roles
- Cost and governance tools demonstrated on a real subscription
- Practice quiz with answer walkthrough
- Course completion certificate from Ace Skills Consulting

Who this course is for

Who should attend

- Professionals starting a career in cloud computing
- IT support and infrastructure staff new to Azure
- Sales, pre-sales and account managers selling cloud solutions
- Project and programme managers working on cloud migrations
- Students and fresh graduates preparing for their first certification

Prerequisites

- No prior cloud experience required
- General familiarity with computers, networks and the internet
- A laptop with a modern browser for the labs

Detailed curriculum — 1 day, 8 hours, 5 modules, 5 hands-on labs

Day 1 Cloud Concepts, Azure Services, Security & Governance

8 hours

1.1 Cloud concepts

- What cloud computing is and the shared responsibility model
- Consumption-based pricing and CapEx vs OpEx
- IaaS, PaaS and SaaS compared with examples
- Public, private and hybrid cloud
- High availability, scalability, elasticity and reliability

LAB Tour the Azure portal and create a resource group · 20 min

1.2 Azure architecture and core services

- Regions, region pairs and availability zones
- Compute: VMs, scale sets, App Service, containers and Functions
- Storage accounts, redundancy options and access tiers
- Management groups, subscriptions and resource groups
- Networking: VNets, peering, VPN Gateway, ExpressRoute and DNS
- Migration options such as Azure Migrate and Data Box

LAB Deploy and connect to a Linux virtual machine · 40 min

LAB Create a storage account and upload blobs to different tiers · 25 min

1.3 Identity, access and security

- Microsoft Entra ID, single sign-on and multifactor authentication
- Azure role-based access control
- Microsoft Defender for Cloud at a glance
- Conditional Access and passwordless sign-in
- Zero Trust and defence in depth

1.4 Management and governance

- Factors that affect cost, the pricing calculator and Cost Management
- Microsoft Purview overview
- Azure Advisor, Service Health and Azure Monitor
- Tags, resource locks and Azure Policy
- Azure Resource Manager, ARM templates, Bicep and Azure Arc

LAB Apply a tagging policy and a delete lock · 25 min

LAB Estimate a workload with the pricing calculator · 15 min

1.5 Exam readiness

- How Microsoft fundamentals exams are structured
- Practice quiz with explained answers
- Reading scenario questions carefully

Skills and tools

Skills you will build

Cloud concepts

Shared responsibility

Azure regions & zones

Azure compute

Azure networking

Azure Storage

Microsoft Entra ID

Azure Policy

Cost Management

Azure Monitor

Tools used in class

Azure portal

Azure Cloud Shell

Azure pricing calculator

Azure Cost Management

Azure Advisor

Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	Microsoft Certified: Azure Fundamentals
Exam code	AZ-900
Duration	45 minutes
Passing score	700 / 1000 (scaled)
Format	Multiple choice, Multiple response, Drag and drop
Delivery	Online proctored, Test centre
Validity	Does not expire
Official page	https://learn.microsoft.com/credentials/certifications/exams/az-900/

Exam skill areas covered
Describe Azure management and governance

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Do I need a technical background for AZ-900?

No. The course is designed for both technical and non-technical professionals, and every service is explained from first principles.

Will I get hands-on practice in a single day?

Yes. Five short labs are spread through the day so you create real resources in the Azure portal between theory blocks.

How do I book the exam?

You schedule AZ-900 through Microsoft Learn, either online-proctored from home or at a test centre. We explain the booking steps during the session.

Does the AZ-900 certification expire?

No. Microsoft fundamentals certifications do not expire, so there is no renewal assessment to take.

Can you run a private batch for our team?

Yes. We run private online or onsite batches for corporate teams, and we can weight the labs towards your own cloud adoption plans. Request a corporate quote with your team size and preferred dates.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/az-900-microsoft-azure-fundamentals · Email: info@aceskillsconsulting.com

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