

MICROSOFT AZURE

AZ-900 Azure Fundamentals Preparation Training

Delivered from Hacky Security's own curriculum, by instructors who also work our security operations centre. Classroom, online live, or at your office.

BEGINNER

At a glance

COURSE	AZ-900 Azure Fundamentals	WHAT IS INCLUDED
TRACK	Microsoft Azure	✓ Instructor-led delivery by practitioners who also work our SOC
DOMAIN	Cloud & Infrastructure	✓ Hands-on lab access for the duration of the course
LEVEL	Beginner	✓ Course materials and lab guides
DURATION	On request	✓ Hacky Security certificate of completion
DELIVERY	Classroom · Online live · On-site at your office	✓ Post-course support by email
LANGUAGE	English	
CLASS SIZE	Small cohorts — everyone gets lab time	

Who this is for

This is a beginner course. It suits people already working in or moving into Cloud & Infrastructure who want structured, hands-on preparation rather than a video library. If you are unsure whether the level fits your team, send us the job titles and we will tell you honestly — including if a different course would serve you better.

Course outline

About this course map

Three skill areas, mapped one-for-one to Microsoft's published skills-measured outline for Exam AZ-900, and taught in the same order, so nothing on the exam is left uncovered. AZ-900 is current. It has not been retired or renamed, and Microsoft has not announced a replacement or a retirement date for it.

Microsoft revises its exams continuously and dates every change. The skills measured for AZ-900 are published as of 20 July 2026. That revision left all three skill area names and weightings unchanged and made minor adjustments inside three sub-areas — Azure compute and networking services, the tools for managing and deploying Azure resources, and the monitoring tools — along with the audience profile. Each skill area below carries its published weighting range, and we give it classroom time in proportion. Microsoft publishes weightings as ranges rather than fixed percentages, and we have reproduced them as ranges rather than tidying them into single numbers.

AZ-900 is a describe-and-recognise exam, not a build-it exam. The verb at the front of almost every objective is describe, and the questions test whether you can tell services apart and put a scenario against the right one. The teaching follows that: short explanation, a look at the real thing in the portal so the name attaches to something you have seen, then practice distinguishing services that sound similar.

Skill area 01 — Describe cloud concepts

The vocabulary everything else is built on, and the commercial model that makes cloud different from buying servers. 25–30% of the exam.

- Defining cloud computing, and the shared responsibility model that decides which risks stay yours and which move to the provider
- Public, private and hybrid cloud models, and identifying which one a given workload actually calls for
- The consumption-based model, and how cloud pricing compares with capital purchase of hardware
- Serverless, and what drops off your responsibility list when you use it
- High availability and scalability as properties you design for rather than buy
- Reliability and predictability, and the difference between the two
- The security, governance and manageability benefits of running in the cloud
- Infrastructure as a service, platform as a service and software as a service, and the use cases that suit each

Skill area 02 — Describe Azure architecture and services

The largest skill area, and the one that asks you to name the right service for a stated need. 35–40% of the exam.

- Regions, region pairs, sovereign regions, availability zones and datacentres, and what each layer protects against
- Resources, resource groups, subscriptions and management groups, and the hierarchy they form
- Comparing compute types: virtual machines, containers and functions
- Virtual machine options including Azure Virtual Machine Scale Sets, availability sets and Azure Virtual Desktop, and the resources a virtual machine needs to exist
- Application hosting options — web apps, containers and virtual machines — and choosing between them
- Virtual networking: virtual networks, subnets, peering, Azure DNS, Azure VPN Gateway and ExpressRoute, and the difference between public and private endpoints
- Comparing Azure Storage services, and understanding storage tiers, redundancy options, account options and storage types
- Moving and migrating data with AzCopy, Azure Storage Explorer, Azure File Sync, Azure Migrate and Azure Data Box
- Directory and authentication services: Microsoft Entra ID, Microsoft Entra Domain Services, single sign-on, multifactor authentication, passwordless and external identities
- Microsoft Entra Conditional Access, Azure role-based access control, Zero Trust, defence in depth, and Microsoft Defender for Cloud

Skill area 03 — Describe Azure management and governance

Keeping an estate affordable, compliant and observable once it exists. 30–35% of the exam.

- The factors that drive Azure cost, and using the pricing calculator before you commit to anything
- Cost management capabilities in Azure, and tags as the thing that makes a bill readable
- Microsoft Purview in Azure, Azure Policy and resource locks, and the governance problem each one solves
- The Azure portal, Azure Cloud Shell, the Azure CLI and Azure PowerShell, and when each is the right way in
- Azure Arc, and bringing resources outside Azure under one set of controls
- Infrastructure as code, Azure Resource Manager and ARM templates
- Azure Advisor recommendations and Azure Service Health
- Azure Monitor, including Log Analytics, Azure Monitor alerts and Application Insights

Who should take this

Anyone who needs to hold a conversation about Azure and be right — sales and procurement staff, project and programme managers, finance and compliance people funding cloud work, and technical staff who are new to Azure and want the map before the detail. It is also the sensible first step for anyone heading towards AZ-104 or the security exams.

Microsoft states recommendations rather than requirements, and there is nothing gating the booking. There is no technical prerequisite at all: the outline is written for candidates with and without an IT background, and general familiarity with technology concepts such as networking, storage, compute and databases is described as helpful rather than necessary.

In our experience the course works for complete beginners provided they are comfortable being shown a portal they have never used. If you already administer Azure, this is not your exam — go to AZ-104.

The exam

Exam AZ-900 is set and awarded by Microsoft and delivered through Pearson VUE, at a test centre or online with a proctor.

- 45 minutes
- Microsoft does not publish a question count for AZ-900, and no range is published — plan by topic coverage rather than by pace
- A score of 700 or greater out of 1000 is required to pass, and the score is scaled rather than a raw percentage
- Proctored, and may include interactive components alongside standard question types such as multiple choice and multiple response
- Available in English, Arabic (Saudi Arabia), Chinese (Simplified), Chinese (Traditional), French, German, Indonesian (Indonesia), Italian, Japanese, Korean, Portuguese (Brazil), Russian and Spanish
- Fundamentals certifications do not expire, so there is no annual renewal to keep track of

The exam is purchased separately from Microsoft. We arrange it on your behalf and send you the booking details, and you choose your own exam date.

How we deliver it

One day, classroom or online live, or at your office for a private group. Every delegate gets portal access for the day, because the fastest way to stop confusing two services is to look at both of them.

Short teaching blocks then guided exploration, with a checkpoint at the end of each skill area and a full-length mock in exam conditions at the end of the day. We spend deliberate time on the pairs of services that the exam likes to contrast, because that is where delegates lose marks rather than on anything genuinely hard.

Mapped to Microsoft's AZ-900 skills-measured outline as of 20 July 2026. Taught from Hacky Security's own curriculum by instructors who work in Azure for a living. These are our own preparation courses; they are not official Microsoft courseware and we are not a Microsoft Learning Partner.

Sitting the official exam

Exam voucher sold separately. We buy it from the certification body on your behalf and send you the code — you book your own exam date. This course is Hacky Security's own preparation training. The certification itself is awarded by the certification body, not by us.

Investment

Priced per cohort. Tell us how many people and which delivery mode and we will send a quote the same working day.

Book this course

Tell us how many people, where, and when — we will come back with dates and a quote within one working day.

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<https://hackysecurity.com/courses/azure-az-900-azure-fundamentals/>

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