

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **98% success rate**
- Course-specific thinQtank® Learning publications to keep the learning engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by certified instructors

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- Experience with on-premises virtualization — virtual machines, virtual networking, virtual hard disks
- Networking fundamentals: TCP/IP, DNS, VPNs and encryption
- Directory concepts — users, groups and role-based access control
- Comfort at a command line: PowerShell or the Azure CLI
- **AZ-900 is the step before this one** if you are new to Azure entirely

EXAM

AZ-104 — awards Microsoft Certified: Azure Administrator Associate

One hundred minutes. Passing score **700 on a scale of 1 to 1,000**. Microsoft does not publish a question count, so we do not quote one.

Skills measured, as Microsoft weights them — in ranges, not fixed percentages.

Identities and governance **20-25%**

Compute resources **20-25%**

Storage **15-20%**

Virtual networking **15-20%**

Monitor and maintain **10-15%**

Last revised 17 April 2026, and this course is built on that revision.

Twelve months, then a free renewal. Microsoft role-based certifications expire after a year and are renewed at no cost by passing an online assessment on Microsoft Learn. Budget the annual renewal into your plan — it costs nothing but it is not automatic.

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn the **Microsoft Certified: Azure Administrator Associate** certification. As with all our Microsoft training experiences, the exam is delivered in the classroom.

AZ-104 is the working administrator's certification. Identities and governance, storage, compute, virtual networking, and the monitoring and backup that tell you whether any of it is still healthy. It is the credential most Azure job postings ask for by name.

It is also the foundation under the specialist tracks — AZ-700 for networking, AZ-500 for security, AZ-305 for architecture all assume it. The **voucher is available** at \$165 USD.

COURSE OBJECTIVES

Primary course objectives:

- Manage users, groups and administrative units in Microsoft Entra ID
- Manage access to Azure resources with role-based access control
- Manage subscriptions, management groups, policy and cost
- Configure access to storage, including shared keys, SAS and access tiers
- Create and manage storage accounts, redundancy and lifecycle
- Configure Azure Files and Azure Blob Storage for real workloads
- Automate deployment with ARM templates and Bicep files
- Create, size and configure virtual machines, and plan for availability
- Provision and manage containers, and configure Azure App Service
- Configure and manage virtual networks, subnets and peering
- Secure network access with network security groups and Azure Firewall
- Configure name resolution, and load balance traffic appropriately
- Monitor resources with Azure Monitor, alerts, metrics and logs
- Implement backup and recovery, and prove a restore actually works

WHAT YOU WILL BE ABLE TO DO

- Run an Azure subscription: identities, roles, policy and cost
- Provision and size compute and storage without over-buying
- Build and secure virtual networks, and resolve names reliably
- Know whether the estate is healthy, and restore it when it is not

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

EXCLUSIVE LEARNING PACKAGE

- Hands-on labs in a live Azure subscription, not a simulator
- Build-and-break exercises across identity, storage, compute and networking
- ARM template and Bicep deployment practice
- Backup, restore and monitoring drills against resources you provisioned
- AZ-104 video course
- AZ-104 reading plan and review guide
- AZ-104 certification practice exam

TARGET AUDIENCE

- System administrators moving an on-premises estate into Azure
- Cloud administrators who inherited a subscription and need the fundamentals
- IT operations staff responsible for provisioning, sizing and monitoring
- Support engineers who keep being escalated Azure problems
- Anyone planning AZ-700, AZ-500 or AZ-305 — this is the course under all three

COURSE MODULES

01 Prerequisites for Azure Administrators

- Topic A: The Azure portal, and finding your way around it
- Topic B: Azure Cloud Shell, Bash and PowerShell
- Topic C: The Azure CLI in practice
- Topic D: ARM templates and Bicep files
- Topic E: Resource groups, tags and naming that survives growth

02 Manage Identities and Governance — 20-25%

- Topic A: Microsoft Entra users, groups and administrative units
- Topic B: Role-based access control, and least privilege in practice
- Topic C: Subscriptions, management groups and resource locks
- Topic D: Azure Policy and governance
- Topic E: Cost management, budgets and self-service password reset

03 Implement and Manage Storage — 15-20%

- Topic A: Storage accounts, redundancy and performance tiers
- Topic B: Configuring access: keys, shared access signatures and firewalls
- Topic C: Azure Blob Storage, tiers and lifecycle management
- Topic D: Azure Files and file sync
- Topic E: Storage security and encryption

04 Deploy and Manage Compute Resources — 20-25%

- Topic A: Creating and configuring virtual machines
- Topic B: Sizing, disks and extensions
- Topic C: Availability sets, availability zones and scale sets
- Topic D: Containers: Azure Container Instances and the portal
- Topic E: Azure App Service and App Service plans

05 Configure and Manage Virtual Networking — 15-20%

- Topic A: Virtual networks, subnets and IP addressing
- Topic B: Network security groups and Azure Firewall
- Topic C: Virtual network peering and routing
- Topic D: Azure DNS and name resolution
- Topic E: Load Balancer, Application Gateway and Network Watcher

06 Monitor and Back Up Azure Resources — 10-15%

- Topic A: Azure Monitor, metrics and log queries
- Topic B: Alerts, action groups and what a useful alert looks like
- Topic C: Azure Backup for virtual machines and files
- Topic D: Azure Site Recovery, and testing a failover
- Topic E: Proving a restore works before you need it

TERMS

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