Microsoft Azure training and certifications

aka.ms/AzureTrainCertDeck
This guide has been created to provide training and certification options to achieve personal success.

How to use this deck

Training Journeys

- Azure training journey for IT pros
- Azure training journey for developers
- Azure training journey for data & AI pros

Certifications

- Microsoft Azure certifications
  - Azure Fundamentals
  - Azure Data Fundamentals
  - Azure AI Fundamentals
  - Azure Administrator Associate
  - Azure Security Engineer Associate
  - Azure Stack Hub Operator Associate
  - Azure Network Engineer Associate
  - Windows Server Hybrid Administrator Associate
  - Azure Solutions Architect Expert
  - Azure for SAP Workloads Specialty

- Azure Virtual Desktop Specialty
- Azure Developer Associate
- DevOps Engineer Expert
- Azure IoT Developer Specialty
- Azure Database Administrator Associate
- Azure Data Engineer Associate
- Data Analyst Associate
- Azure Cosmos DB Developer Specialty
- Azure AI Engineer Associate
- Azure Data Scientist Associate

Continue your Azure training journey
Microsoft Azure Virtual Training Days
Welcome to Microsoft Azure training and certifications

Our approach to learning is to develop an inclusive environment for every stage in an individual's career.

How to use this deck
The following resources will prepare you for the learning experience.

- **Training journey**
  Recommended tracks to help you identify where to start your training and where to go based on your role or projects.

- **Certification portfolio**
  Available certifications and associated exams in portfolio.

- **Certification overview**
  Identify the right candidate profile with the recommended skills, knowledge, and experience.

- **Certification journey**
  Recommended steps to earn a certification, including preparation resources and opportunities for continue learning.

- **Certification learning path**
  Recommended training content to prepare for certification exams, including self-paced training and Microsoft Official Courseware (MOC) delivered by Learning Partners.
Azure training journey for IT pros

Master the basics

New to the cloud or new to Azure
- Azure Fundamentals

Grow in role

- Azure Administrator Associate
- Azure Security Engineer Associate
- Azure Solutions Architect Expert
- Azure Network Engineer Associate
- Azure for SAP Workloads Specialty

Continue to grow with additional training

- DevOps Engineer Expert
- Azure Stack Hub Operator Associate
- Azure Virtual Desktop Specialty
- Azure for SAP Workloads Specialty
- Azure Virtual Desktop Specialty

- Migrate apps and infrastructure to the cloud
- Manage Windows Server and hybrid cloud solutions
- Manage Linux on Azure

See the complete Azure Training Journey
Azure training journey for developers

Master the basics

New to the cloud or new to Azure
- Azure Fundamentals

New to data solutions on Azure
- Azure Data Fundamentals

New to AI or new to AI on Azure
- Azure AI Fundamentals

Grow in role

- Design, build, test, and maintain cloud apps
  - Azure Developer Associate

- Deliver continuous value integrating people, processes, and technologies
  - DevOps Engineer Expert

- Build, manage, and deploy AI solutions
  - Azure AI Engineer Associate

- Develop cloud and edge IoT solutions
  - Azure IoT Developer Specialty

- Design and implement end-to-end cloud solutions
  - Azure Solutions Architect Expert

Continue to grow with additional training

Migrate data to the cloud

See the complete Azure Training Journey
Azure training journey for data & AI pros

**Master the basics**

- **New to the cloud or new to Azure**
  - Azure Fundamentals

- **New to data solutions on Azure**
  - Azure Data Fundamentals

- **New to AI or new to AI on Azure**
  - Azure AI Fundamentals

**Start here**

- **Manage relational cloud and hybrid databases**
  - Azure Database Administrator Associate

**Grow in role**

- **Get structured and unstructured data ready for analytics**
  - Azure Data Engineer Associate

**Start here**

- **Build, manage, and deploy AI solutions**
  - Azure AI Engineer Associate

**Start here**

- **Build, train, and deploy machine learning models**
  - Azure Data Scientist Associate

**Start here**

- **Get insights from data assets**
  - Data Analyst Associate

**Continue to grow with additional training**

- **Migrate data to the cloud**

See the complete Azure Training Journey
Continue your Azure training journey

**IT Pros**

- **Migrate apps and infrastructure to the cloud**
  - Migrating Application Workloads to Azure – Course WS-050T00
  - Microsoft Learn learning paths

- **Manage Windows Server and hybrid cloud solutions**
  - Windows Server 2019 Administration – Course WS-011T00
  - Windows Server 2019 Hybrid and Azure IaaS – Course WS-012T00
  - Azure Stack HCI – Course WS-013T00
  - Microsoft Learn learning paths

- **Manage Linux on Azure**
  - Microsoft Learn learning paths

**Developers and Data & AI Pros**

- **Migrate data to the cloud**
  - Migrate SQL workloads to Azure – Course DP-050T00
  - Migrate NoSQL workloads to Azure Cosmos DB – Course DP-060T00
  - Migrate Open Source Data Workloads to Azure – Course DP-070T00

Microsoft Learn learning paths

See the complete Azure Training Journey
Microsoft Azure Virtual Training Days

Grow your skills in just days
Take advantage of free, in-depth, virtual training events, and start boosting your career potential right away. Grow your technical skills through weekly events for every skill level.

- Azure Fundamentals
- Azure Data Fundamentals
- Migrating On-Premises Infrastructure and Data
- Linux OSS Database Migration
- Deliver Integrated Analytics with Azure Synapse
- Azure AI Fundamentals
- DevOps with GitHub
- Modernize .NET Apps
- Implementing Hybrid Infrastructure

See the complete Azure Training Journey
# Microsoft Azure Certifications

## Role-based
Expand your technical skill set

### Associate
- Azure Administrator (AZ-104)
- Azure Security Engineer (AZ-500)
- Azure Stack Hub Operator (AZ-600)
- Azure Developer (AZ-204)
- Azure Database Administrator (DP-300)
- Azure Data Engineer (DP-203)
- Data Analyst (DA-100)
- Azure AI Engineer (AI-102)
- Azure Data Scientist (DP-100)
- Azure Network Engineer (AZ-700)
- Windows Server Hybrid Administrator (AZ-800 + AZ-801)

### Expert
- Azure Solutions Architect (AZ-303 + AZ-304)
- DevOps Engineer (AZ-400)
- Azure for SAP Workloads (AZ-120)
- Azure Virtual Desktop (AZ-140)
- Azure IoT Developer (AZ-220)

## Specialty
Deepen your technical skills and manage industry solutions

### Fundamentals
- Azure Fundamentals (AZ-900)
- Azure Data Fundamentals (DP-900)
- Azure AI Fundamentals (AI-900)
Overview of Microsoft Certified: Azure Fundamentals

Who is this certification for?
Candidates for this certification should have foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

Exam details

**AZ-900:** Microsoft Azure Fundamentals

**Skills measured:**
- Describe cloud concepts
- Describe core Azure services
- Describe security, privacy, compliance, and trust
- Describe Azure pricing Service Level Agreements and Lifecycles

**Knowledge and experience:**
A candidate for this exam should be able to demonstrate a fundamental knowledge of cloud concepts, as well as Azure services, workloads, security, privacy, pricing, and support. In addition, a candidate should be familiar with concepts of networking, storage, compute, application support, and application development.

Certification

Pass certification exam AZ-900 to earn this certification

Microsoft Certified: Azure Fundamentals
Azure Fundamentals validates foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

Products featured
- Microsoft Azure

Get started at aka.ms/AzureCerts_Fundamentals
The journey to Microsoft Certified: Azure Fundamentals

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

This certification is a good fit if:
• You are new to the cloud or new to Azure.
  AND
• You want to demonstrate a fundamental knowledge of cloud concepts, as well as Azure services, workloads, security, privacy, pricing, and support.

Skills outline guides
• AZ-900

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-900T01: Microsoft Azure Fundamentals (1 Day)
OR
Course AZ-900T00: Microsoft Azure Fundamentals (2 Day)

Additional resources
• Microsoft Docs

Take a practice exam

Pass required exam to earn your certification

Exam AZ-900
Microsoft Azure Fundamentals

Microsoft Certified: Azure Fundamentals

Azure Fundamentals validates foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

Get started at aka.ms/AzureCerts_Fundamentals

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Fundamentals

Azure Fundamentals validates foundational knowledge of cloud services and how those services are provided with Microsoft Azure. Explore recommended training resources that will help you prepare for required exams.

Instructor-led training
- Microsoft Azure Fundamentals AZ-900T01 | 1 day
- Microsoft Azure Fundamentals AZ-900T00 | 2 days

Self-paced online training on Microsoft Learn
- Describe core Azure concepts 3 modules
- Describe core services on Azure 5 modules
- Describe general security and network security features 3 modules
- Describe identity, governance, privacy, and compliance features 4 modules
- Describe Azure cost management and service level agreements 3 modules

Exam AZ-900
Microsoft Azure Fundamentals

Pass certification exam AZ-900 to earn this certification
Microsoft Certified: Azure Fundamentals

Get started at aka.ms/AzureCerts_Fundamentals

Find a Learning Partner
Watch the Azure certifications overview video
Overview of Microsoft Certified: Azure Data Fundamentals

Who is this certification for?
Candidates for this certification should have foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services.

Exam details
- **DP-900:** Microsoft Azure Data Fundamentals

**Skills measured:**
- Describe core data concepts
- Describe how to work with relational data on Azure
- Describe how to work with non-relational data on Azure
- Describe an analytics workload on Azure

**Knowledge and experience:**
A candidate for this exam should be familiar with the concepts of relational and non-relational data, and different types of data workloads, such as transactional or analytical.

Certification
Pass certification exam DP-900 to earn this certification

Microsoft Certified: Azure Data Fundamentals

Azure Data Fundamentals validates foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services.

Products featured
- Microsoft Azure
- Microsoft SQL Server

Get started at aka.ms/AzureCerts_DataFundamentals

Watch the Azure certifications overview video
The journey to Microsoft Certified:

**Azure Data Fundamentals**

Start here
Decide if this is the right certification for you

This certification is a good fit if:
- You are beginning to work with data in the cloud.

AND
- You want to demonstrate your knowledge of core data concepts like relational and non-relational data, types of data workloads, like transactional or analytical, and how they are implemented using Azure data services.

Begin your journey with:

**Skills outline guides**
- **DP-900**

**Self-paced online learning**
Microsoft Learn

**Instructor-led training**
Course DP-900T00: Microsoft Azure Data Fundamentals

**Additional resources**
- Microsoft Docs

Upskill with recommended training and experience

Pass required exam to earn your certification

**Exam DP-900**
Microsoft Azure Data Fundamentals

**Take a practice exam**
Microsoft Official Practice Test DP-900

Get started at [aka.ms/AzureCerts_DataFundamentals](aka.ms/AzureCerts_DataFundamentals)

Brand new? First, master the basics.

**New to the cloud or Azure?**
Choose Azure Fundamentals training.

Microsoft Certified: Azure Data Fundamentals

Azure Data Fundamentals validates foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services.

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Data Fundamentals

Get started at aka.ms/AzureCerts_DataFundamentals

Azure Data Fundamentals validates foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services. Explore recommended training resources that will help you prepare for required exams.

Instructor-led training

**Microsoft Azure Data Fundamentals**
DP-900T00 | 1 day

Self-paced online training on Microsoft Learn

- **Explore core data concepts**
  - 5 modules
- **Explore relational data in Azure**
  - 3 modules
- **Explore non-relational data in Azure**
  - 3 modules
- **Explore modern data warehouse analytics in Azure**
  - 4 modules

Exam DP-900
Microsoft Azure Data Fundamentals

Pass certification exam DP-900 to earn this certification

Microsoft Certified: Azure Data Fundamentals

Find a Learning Partner
Watch the Azure certifications overview video
Who is this certification for?

Candidates for this certification should have foundational knowledge of machine learning and AI concepts and related Microsoft Azure services. This certification is intended for candidates with both technical and non-technical backgrounds. Data science and software engineering experience are not required; however, some general programming knowledge or experience would be beneficial.

Exam details

**AI-900: Microsoft Azure AI Fundamentals**

**Skills measured:**
- Describe AI workloads and considerations
- Describe fundamental principles of machine learning on Azure
- Describe features of computer vision workloads on Azure
- Describe features of natural language processing (NLP) workloads on Azure
- Describe features of conversational AI workloads on Azure

**Knowledge and experience:**
A candidate for this exam should have knowledge of common machine learning and AI workloads and how to implement them on Azure.

Certification

Pass certification exam AI-900 to earn this certification

Microsoft Certified: Azure AI Fundamentals

Azure AI Fundamentals validates foundational knowledge of machine learning and AI concepts and related Microsoft Azure services.

Products featured
- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure AI Fundamentals

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Pass required exam to earn your certification

This certification is a good fit if:

• You are new to AI or AI on Azure.

AND

• You want to demonstrate your knowledge of common machine learning and AI workloads and how to implement them on Azure.

Skills outline guide

• AI-900

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AI-900T00: Microsoft Azure AI Fundamentals

Additional resources

• Microsoft Docs

Exam AI-900
Microsoft Azure AI Fundamentals

Take a practice exam
Microsoft Official Practice Test AI-900

Pass required exam to earn your certification

Exam AI-900
Microsoft Azure AI Fundamentals

Take a practice exam
Microsoft Official Practice Test AI-900

Microsoft Certified: Azure AI Fundamentals

Azure AI Fundamentals validates foundational knowledge of machine learning and AI concepts and related Microsoft Azure services.

Brand new? First, master the basics.

New to the cloud or Azure?
Choose Azure Fundamentals training.

Get started at aka.ms/AzureCerts_AIFundamentals

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure AI Fundamentals

Azure AI Fundamentals validates foundational knowledge of machine learning and AI concepts and related Microsoft Azure services. Explore recommended training resources that will help you prepare for required exams.

**Instructor-led training**
- **Azure AI Fundamentals**
  - AI-900T00 | 1 day

**Self-paced online training on Microsoft Learn**
- **Get started with artificial intelligence on Azure**
  - 1 module
- **Explore computer vision in Microsoft Azure**
  - 6 modules
- **Explore conversational AI**
  - 1 module
- **Create no-code predictive models with Azure Machine Learning**
  - 4 modules
- **Explore natural language processing**
  - 4 modules

**Exam AI-900**
Microsoft Azure AI Fundamentals

Pass certification exam AI-900 to earn this certification

Microsoft Certified: Azure AI Fundamentals

Get started at [aka.ms/AzureCerts_AIFundamentals](aka.ms/AzureCerts_AIFundamentals)
Overview of Microsoft Certified: Azure Administrator Associate

Who is this certification for?

Candidates for this certification should have subject matter expertise implementing, managing, and monitoring an organization’s Microsoft Azure environment.

Responsibilities for this role include implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, and adjust resources, when needed.

Exam details

**AZ-104:** Microsoft Azure Administrator

**Skills measured:**
- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Configure and manage virtual networking
- Monitor and back up Azure resources

**Knowledge and experience:**
A candidate for this exam should have at least six months of hands-on experience administering Azure, along with a strong understanding of core Azure services, Azure workloads, security, and governance. In addition, this role should have experience using PowerShell, Azure CLI, Azure portal, and Azure Resource Manager templates.

Certification

Pass certification exam AZ-104 to earn this certification

Microsoft Certified: Azure Administrator Associate

Azure Administrators implement, manage, and monitor an organization’s Microsoft Azure environment.

Products featured

- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure Administrator Associate

Get started at aka.ms/AzureCerts_Admin

Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:
• Implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment.
• Provisioning, sizing, monitoring, and adjusting resources when needed.

If you already have or were working toward any of these certifications:
• MCSE: Core Infrastructure
• MCSA: Windows Server 2012
• MCSA: Windows Server 2016

Brand new? First, master the basics.
New to the cloud or Azure?
Choose Azure Fundamentals training.

New to administering Azure?
Choose Prerequisites for Azure administrators.

Upskill with recommended training and experience

Take a practice exam

Pass required exam to earn your certification

Skills outline guide
• AZ-104

Exam AZ-104
Microsoft Azure Administrator

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-104T00: Microsoft Azure Administrator

Additional resources
• Microsoft Docs
• Azure Architecture Center
• Microsoft Azure Well-Architected Framework

Microsoft Certified: Azure Administrator Associate

Azure Administrators implement, manage, and monitor an organization’s Microsoft Azure environment.

Explore these resources next

Self-paced online learning
• Migrate application workloads and data to Azure
• Automate your deployments with Azure DevOps

Instructor-led training
• Course WS-050T00: Migrating Application Workloads to Azure
• Course WS-011T00: Windows Server 2019 Administration
• Course WS-012T00: Windows Server 2019 Hybrid and Azure IaaS
• Course WS-013T00: Azure Stack HCI

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Administrator Associate

Get started at aka.ms/AzureCerts_Admin

Azure Administrators implement, manage, and monitor an organization’s Microsoft Azure environment.

Explore recommended training resources that will help you prepare for required exams.

Instructor-led training

Microsoft Azure Administrator
AZ-104T00 | 4 days
OR
Azure Administration for AWS SysOps
AZ-010T00 | 2 days

Exam AZ-104
Microsoft Azure Administrator

Pass certification exam AZ-104 to earn this certification

Microsoft Certified: Azure Administrator Associate

Self-paced online training on Microsoft Learn

Prerequisites for Azure administrators
9 modules

Manage identities and governance for Azure administrators
14 modules

Implement and manage storage for Azure administrators
10 modules

Deploy and manage compute resources for Azure administrators
14 modules

Configure and manage virtual networks for Azure administrators
16 modules

Monitor and back up resources for Azure administrators
9 modules

Find a Learning Partner
Watch the Azure certifications overview video
Who is this certification for?

Candidates for this certification should have subject matter expertise implementing security controls and threat protection, managing identity and access, and protecting data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

Responsibilities for this role include maintaining the security posture, identifying and remediating vulnerabilities by using a variety of security tools, implementing threat protection, and responding to security incident escalations.

Exam details

AZ-500: Microsoft Azure Security Technologies

Skills measured:
- Manage identity and access
- Implement platform protection
- Manage security operations
- Secure data and applications

Knowledge and experience:
A candidate for this exam should have strong skills in scripting and automation; a deep understanding of networking, virtualization, and cloud N-tier architecture; and a strong familiarity with cloud capabilities and products and services for Azure, plus other Microsoft products and services.

Certification

Pass certification exam AZ-500 to earn this certification

Microsoft Certified: Azure Security Engineer Associate

Azure Security Engineers implement security controls and threat protection, manage identity and access, and protect data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

Products featured

- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure Security Engineer Associate

Start here
Decide if this is the right certification for you

Get started at aka.ms/AzureCerts_SecurityEngineer

This certification is a good fit if your responsibilities include:
• Maintaining security posture.
• Identifying and remediating vulnerabilities by using a variety of security tools.
• Implementing threat protection.
• Responding to security incident escalations.

Skills outline guide
• AZ-500

Pass required exam to earn your certification
Exam AZ-500
Microsoft Azure Security Technologies

Take a practice exam
• Microsoft Official Practice Test AZ-500

Upskill with recommended training and experience
Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-500T00: Microsoft Azure Security Technologies

Additional resources
• Microsoft Docs
• Azure Architecture Center

First, make sure your skills are up to date.

Need to update your skills in Azure administration?
Azure Administrator training on Microsoft Learn.

Microsoft Certified: Azure Security Engineer Associate
Azure Security Engineers implement security controls and threat protection, manage identity and access, and protect data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

Explore this resource next
• Microsoft Azure Well-Architected Framework

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Security Engineer Associate

Azure Security Engineers implement security controls and threat protection, manage identity and access, and protect data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure. Explore recommended training resources that will help you prepare for required exams.

**Instructor-led training**

- **Microsoft Azure Security Technologies**
  - AZ-500T00 | 5 days

**Self-paced online training on Microsoft Learn**

- **Manage Identity and Access**
  - 5 modules

- **Implement platform protection**
  - 4 modules

- **Secure your data and applications**
  - 4 modules

- **Manage security operation**
  - 3 modules

**Exam AZ-500**

Microsoft Azure Security Technologies

Pass certification exam AZ-500 to earn this certification

Microsoft Certified: Azure Security Engineer Associate

Find a Learning Partner

Watch the Azure certifications overview video
Who is this certification for?
Candidates for this certification are Azure administrators or Azure Stack Hub operators who provide cloud services to end users or customers from within their own datacenter using Azure Stack Hub.

Responsibilities include planning, deploying, packaging, updating, and maintaining the Azure Stack Hub infrastructure. They also offer hybrid cloud resources and requested services and manage infrastructure as a service (IaaS) and platform as a service (PaaS).

Exam details

**AZ-600:** Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

- **Skills measured:**
  - Provide services
  - Implement data center integration
  - Manage identity and access
  - Manage infrastructure

- **Knowledge and experience:**
  A candidate for this exam should have significant experience managing and operating Azure Stack Hub environments. They should have a strong understanding of Azure, in addition to some knowledge of virtualization, networking, and identity management. They need to understand how Azure Stack Hub enables DevOps processes and the hybrid development model.

Certification

Pass certification exam **AZ-600** to earn this certification

Microsoft Certified: Azure Stack Hub Operator Associate

Azure Stack Hub operators provide cloud services to their end users or customers from within their own datacenter using Azure Stack Hub.

Products featured

- Microsoft Azure
The journey to Microsoft Certified:

Azure Stack Hub Operator Associate

Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:
• Plan, deploy, package, update, and maintain the Azure Stack Hub infrastructure.
• Offer hybrid cloud resources and requested services and manage infrastructure as a service (IaaS) and platform as a service (PaaS).

Upskill with recommended training and experience

Skills outline guide
• AZ-600

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-600T00: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

Additional resources
• Microsoft Docs

Pass required exam to earn your certification

Exam AZ-600
Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

Microsoft Certified: Azure Stack Hub Operator Associate

Azure Stack Hub operators provide cloud services to their end users or customers from within their own datacenter using Azure Stack Hub.

First, make sure your skills are up to date.
Need to update your skills in Azure administration?
Azure Administrator training on Microsoft Learn.

Get started at aka.ms/AzureCerts_StackHubOperator

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Watch the Azure certifications overview video
Who is this certification for?

Candidates for this certification plan, implement, and maintain Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services.

Responsibilities for this role include managing networking solutions for performance, resiliency, scale, and security. They deploy networking solutions by using the Azure Portal and other methods, including PowerShell, Azure Command-Line Interface (CLI), and Azure Resource Manager templates (ARM templates).

Exam details

**AZ-700: Designing and Implementing Microsoft Azure Networking Solutions**

**Skills measured:**
- Design, implement, and manage hybrid networking
- Design and implement core networking infrastructure
- Design and implement routing
- Secure and monitor networks
- Design and implement private access to Azure services

**Knowledge and experience:**
Candidates for this exam should have expert Azure administration skills, in addition to extensive experience and knowledge of networking, hybrid connections, and network security.

Certification

Pass certification exam **AZ-700** to earn this certification

Microsoft Certified: Azure Network Engineer Associate

Azure Network Engineers plan, implement, and maintain Azure networking solutions.

Products featured
- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified:

**Azure Network Engineer Associate**

Get started at [aka.ms/AzureCerts_NetworkEngineer](aka.ms/AzureCerts_NetworkEngineer)

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**Start here**
 Decide if this is the right certification for you

**Upskill with recommended training and experience**

**Pass required exam to earn your certification**

**Continue to grow**

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**Skills outline guide**
- **AZ-700**
  - **Self-paced online learning**
    - Microsoft Learn
  - **Instructor-led training**
    - Course AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions

**Additional resources**
- Microsoft Docs
- Azure Architecture Center

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First, make sure your skills are up to date.

**Need to update your skills in Azure administration?**
Azure Administrator training on Microsoft Learn.

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**Exam AZ-700**
Designing and Implementing Microsoft Azure Networking Solutions

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Microsoft Certified: Azure Network Engineer Associate

Azure Network Engineers plan, implement, and maintain Azure networking solutions.

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Explore this resource next
- Microsoft Azure Well-Architected Framework

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Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Network Engineer Associate

Azure Network Engineers plan, implement, and maintain Azure networking solutions. Explore recommended training resources that will help you prepare for required exams.

- **Instructor-led training**
  - Designing and Implementing Microsoft Azure Networking Solutions
    - AZ-700T00 | 3 days

- **Self-paced online training on Microsoft Learn**
  - Designing and Implementing Microsoft Azure Networking Solutions
    - 8 modules

**Exam AZ-700**
Designing and Implementing Microsoft Azure Networking Solutions

Pass certification Exam AZ-700 to earn this certification

Microsoft Certified: Azure Network Engineer Associate

Get started at aka.ms/AzureCerts_NetworkEngineer

Find a Learning Partner  Watch the Azure certifications overview video
Overview of Microsoft Certified: Windows Server Hybrid Administrator Associate

Who is this certification for?
Candidates for this certification should have subject matter expertise in configuring and managing Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workloads. They should have extensive experience working with Windows Server operating systems. Responsibilities include integrating Windows Server environments with Azure services and managing Windows Server in on-premises networks.

Exam details

**AZ-800:** Administering Windows Server Hybrid Core Infrastructure

**Skills measured:**
- Deploy and manage Active Directory Domain Services (AD DS) in on-premises and cloud environments
- Manage Windows Servers and workloads in a hybrid environment
- Manage virtual machines and containers
- Implement and manage an on-premises and hybrid networking infrastructure
- Manage storage and file services

**Knowledge and experience:**
A candidate for this exam administers core Windows Server workloads using on-premises, hybrid, and cloud technologies. They should have expertise in implementing and managing on-premises and hybrid solutions, such as identity, management, compute, networking, and storage.

**AZ-801:** Configuring Windows Server Hybrid Advanced Services

**Skills measured:**
- Secure Windows Server on-premises and hybrid infrastructures
- Implement and manage Windows Server high availability
- Implement disaster recovery
- Migrate servers and workloads
- Monitor and troubleshoot Windows Server environments

**Knowledge and experience:**
A candidate for this exam configures advanced Windows Server services using on-premises, hybrid, and cloud technologies. They should have expertise in performing tasks related to security, migration, monitoring, high availability, troubleshooting, and disaster recovery.

Certification
Pass certification exams AZ-800 and AZ-801 to earn this certification

**Products featured**
- Windows Server
- Microsoft Azure

Microsoft Certified: Windows Server Hybrid Administrator Associate

Windows Server Hybrid Administrator configure and manage Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workloads.

Get started at aka.ms/AzureCerts_WindowsServer

Watch the Azure certifications overview video
This certification is a good fit if your responsibilities include:

- Integrating Windows Server environments with Azure services and managing Windows Server in on-premises networks.
- Managing and maintaining Windows Server IaaS workloads in Azure, in addition to migrating and deploying workloads to Azure.
- Administering core and advanced Windows Server workloads and services using on-premises, hybrid, and cloud technologies.

OR

If you already have or were working toward any of these certifications:

- MCSE: Core Infrastructure
- MCSA: Windows Server 2012
- MCSA: Windows Server 2016

Skills outline guide

- AZ-800
- AZ-801

Self-paced online learning

Microsoft Learn

Instructor-led training

Course AZ-800T00 Administering Windows Server Hybrid Core Infrastructure

Course AZ-801T00 Configuring Windows Server Hybrid Advanced Services

Additional resources

- Microsoft Docs

Pass required exams to earn your certification

AZ-800: Administering Windows Server Hybrid Core Infrastructure

AZ-801: Configuring Windows Server Hybrid Advanced Services

Microsoft Certified: Windows Server Hybrid Administrator Associate

Windows Server Hybrid Administrator configure and manage Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workloads.

Watch the Azure certifications overview video
Overview of Microsoft Certified: Azure Solutions Architect Expert

Who is this certification for?
Candidates for this certification should have subject matter expertise in designing and implementing solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security.

Responsibilities for this role include advising stakeholders and translating business requirements into secure, scalable, and reliable cloud solutions.

Exam details

**AZ-303:** Microsoft Azure Architect Technologies

**Skills measured:**
- Implement and monitor an Azure infrastructure
- Implement management and security solutions
- Implement solutions for apps
- Implement and manage data platforms

**Knowledge and experience:**
A candidate for this exam should have advanced experience and knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance.

**AZ-304:** Microsoft Azure Architect Design

**Skills measured:**
- Design monitoring
- Design identity and security
- Design data storage
- Design business continuity
- Design infrastructure

**Knowledge and experience:**
A candidate for this exam should have advanced experience and knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance.

Certification

Pass certification exams AZ-303 and AZ-304 to earn this certification

Products featured
- Microsoft Azure

Microsoft Certified: Azure Solutions Architect Expert

Azure Solution Architects design and implement solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security.

Get started at aka.ms/AzureCerts_SolutionsArchitect

Watch the Azure certifications overview video
The journey to Microsoft Certified:

Azure Solutions Architect Expert

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Pass required exams to earn your certification

Continue to grow

This certification is a good fit if your responsibilities include:

• Advising stakeholders and translating business requirements into secure, scalable, and reliable cloud solutions.

First, make sure your skills are up to date.

Need to update your skills in Azure administration?
Choose Azure Administrator training.

Need to update your skills in Azure security?
Choose Azure Security Engineer training.

Need to update your skills in Azure development?
Choose Azure Developer training.

Skills outline guide

- AZ-303
- AZ-304

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-303T00 Microsoft Azure Architect Technologies OR
Course AZ-304T00 Microsoft Azure Architect Design

Take practice exams
Microsoft Official Practice Test AZ-303
Microsoft Official Practice Test AZ-304

Exam AZ-303
Microsoft Azure Architect Technologies

Exam AZ-304
Microsoft Azure Architect Design

Additional resources

- Microsoft Docs
- Azure Architecture Center

Pass required exams to earn your certification

Exam AZ-303
Microsoft Azure Architect Technologies

Exam AZ-304
Microsoft Azure Architect Design

Take practice exams
Microsoft Official Practice Test AZ-303
Microsoft Official Practice Test AZ-304

Explore these resources next

- Microsoft Azure Well-Architected Framework
- Microsoft Cloud Adoption Framework for Azure

Microsoft Certified:
Azure Solutions Architect Expert

Azure Solution Architects design and implement solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security.

Continue to grow
Explore these resources next

• Microsoft Azure Well-Architected Framework
• Microsoft Cloud Adoption Framework for Azure

Watch the Azure certifications overview video
Learning path for Microsoft Certified:

Azure Solutions Architect Expert

Azure Solution Architects design and implement solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security.
Explore recommended training resources that will help you prepare for required exams.

Instructor-led training
Microsoft Azure Architect Technologies
AZ-303T00 | 5 days
OR
Microsoft Azure Technologies for AWS Architects
AZ-030T00 | 4 days

Self-paced online training on Microsoft Learn
Exam AZ-303
Architect network infrastructure in Azure
12 modules
Architect compute infrastructure in Azure
9 modules
Exam AZ-304
Architect a data platform in Azure
10 modules
Exam AZ-301
Microsoft Azure Architect Technologies
Architect modern applications in Azure
8 modules
Architect storage infrastructure in Azure
9 modules
Architect message brokering and serverless applications in Azure
8 modules
Architect migration, business continuity, and disaster recovery in Azure
9 modules
Exam AZ-304
Microsoft Azure Architect Design
Architect message brokering and serverless applications in Azure
8 modules
Architect API integration in Azure
5 modules

Pass certification exams AZ-303 and AZ-304 to earn this certification
Microsoft Certified: Azure Solutions Architect Expert

Find a Learning Partner
Watch the Azure certifications overview video

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Who is this certification for?

Candidates for this certification should be architects or engineers with extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the initial migration or integration and the long-term operation of an SAP solution on Microsoft Azure.

Responsibilities for this role include making recommendations on services and adjusting resources as appropriate for optimal resiliency, performance, scale, provision, size, and monitoring.

Exam details

**AZ-120:**
Planning and Administering Microsoft Azure for SAP Workloads

**Skills measured:**
- Migrate SAP Workloads to Azure
- Design an Azure Solution to Support SAP Workloads
- Build and Deploy Azure for SAP Workloads
- Validate Azure Infrastructure for SAP Workloads
- Operationalize Azure SAP Architecture

**Knowledge and experience:**
A candidate for this exam should have extensive experience and knowledge of SAP applications: SAP HANA, S/4HANA, SAP NetWeaver, SAP BW/4HANA, OS servers for SAP applications and databases, Azure portal, Azure Resource Manager templates, operating systems, virtualization, cloud infrastructure, storage structures, high availability design, disaster recovery design, data protection concepts, and networking.

Certification

Pass certification exam **AZ-120** to earn this certification

Microsoft Certified: **Azure for SAP Workloads Specialty**

Architects or engineers for Azure for SAP Workloads have extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the long-term operation of an SAP solution on Microsoft Azure.

Products featured

- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure for SAP Workloads Specialty

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Pass required exam to earn your certification

This certification is a good fit if your responsibilities include:
• Making recommendations on services and adjusting resources as appropriate for optimal resiliency, performance, scale, provision, size, and monitoring of Azure for SAP Workloads.

Skills outline guide
• AZ-120

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-120T00: Planning and Administering Microsoft Azure for SAP Workloads

Additional resources
• Microsoft Docs
• Azure Architecture Center

Exam AZ-120
Planning and Administering Microsoft Azure for SAP Workloads

First, make sure your skills are up to date.

Need to update your skills in Azure administration?
Choose Azure Administrator training on Microsoft Learn.

Need to update your skills in Azure architecture?
Choose Azure Solutions Architect training on Microsoft Learn.

Microsoft Certified: Azure for SAP Workloads Specialty
Architects or engineers for Azure for SAP Workloads have extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the long-term operation of an SAP solution on Microsoft Azure.

Get started at aka.ms/AzureCerts_SAPWorkloads

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure for SAP Workloads Specialty

Architects or engineers for Azure for SAP Workloads have extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the long-term operation of an SAP solution on Microsoft Azure. Explore recommended training resources that will help you prepare for required exams.

Get started at aka.ms/AzureCerts_SAPWorkloads

Instructor-led training

Planning and Administering Microsoft Azure for SAP Workloads
AZ-120T00 | 4 days

Exam AZ-120
Planning and Administering Microsoft Azure for SAP Workloads

Self-paced online training on Microsoft Learn

SAP certified offerings for Azure
4 modules

Planning Azure for SAP workloads
3 modules

Run Azure for SAP workloads
3 modules

Pass certification exam AZ-120 to earn this certification

Microsoft Certified: Azure for SAP Workloads Specialty

Find a Learning Partner

Watch the Azure certifications overview video
Overview of Microsoft Certified: 
Azure Virtual Desktop Specialty

Who is this certification for?
Candidates for the Azure Virtual Desktop Specialty certification are administrators with subject matter expertise in planning, delivering, and managing virtual desktop experiences and remote apps, for any device, on Azure.

Responsibilities for this role include deploying virtual desktop experiences and apps to Azure. These professionals deliver applications on Azure Virtual Desktop and optimize them to run in multi-session virtual environments. To deliver these experiences, they work closely with Azure administrators and architects, along with Microsoft 365 administrators.

Exam details

**AZ-140:**
Configuring and Operating Microsoft Azure Virtual Desktop

Skills measured:
- Plan an Azure Virtual Desktop architecture
- Implement an Azure Virtual Desktop infrastructure
- Manage access and security
- Manage user environments and apps
- Monitor and maintain an Azure Virtual Desktop infrastructure

Knowledge and experience:
Candidates for this certification should have experience in Azure technologies, including virtualization, networking, identity, storage, backups, resilience, and disaster recovery. They should understand on-premises virtual desktop infrastructure technologies as they relate to migrating to Azure Virtual Desktop. These professionals use the Azure portal and Azure Resource Manager templates to accomplish many of their tasks. They might use PowerShell and Azure CLI for more efficient automation.

Certification

Pass certification exam **AZ-140** to earn this certification

Microsoft Certified: Azure Virtual Desktop Specialty

Administrators for Azure Virtual Desktop plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure.

Products featured
- Microsoft Azure

Get started at aka.ms/AzureCerts_VirtualDesktop
The journey to Microsoft Certified:
Azure Virtual Desktop Specialty

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

This certification is a good fit if your responsibilities include:
- Deploying virtual desktop experiences and apps to Azure.
- Delivering applications on Azure Virtual Desktop and optimizing them to run in multi-session virtual environments.

Skills outline guide
- AZ-140

- Self-paced online learning
  Microsoft Learn

- Instructor-led training
  Course AZ-140T00: Configuring and Operating Microsoft Azure Virtual Desktop

Additional resources
- Microsoft Docs

Pass required exam to earn your certification

Exam AZ-140
Configuring and Operating Microsoft Azure Virtual Desktop

Microsoft Certified: Azure Virtual Desktop Specialty
Administrators for Azure Virtual Desktop plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure.

First, make sure your skills are up to date.

Need to update your skills in Azure administration?
Azure Administrator training on Microsoft Learn.

Get started at aka.ms/AzureCerts_VirtualDesktop
Professionals in this role plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Explore recommended training resources that will help you prepare for required exams.

**Instructor-led training**
- **Configuring and Operating Microsoft Azure Virtual Desktop**
  - AZ-140T00 | 4 days

- **Deliver remote desktops and apps with Azure Virtual Desktop**
  - 8 modules

**Self-paced online training on Microsoft Learn**

**Exam AZ-140**
- Configuring and Operating Microsoft Azure Virtual Desktop

Pass certification Exam AZ-140 to earn this certification

Microsoft Certified: Azure Virtual Desktop Specialty

Find a Learning Partner

Watch the Azure certifications overview video
Overview of Microsoft Certified: Azure Developer Associate

Get started at aka.ms/AzureCerts_Developer

Who is this certification for?
Candidates for this certification should have subject matter expertise designing, building, testing, and maintaining cloud applications and services on Microsoft Azure.

Responsibilities for this role include participating in all phases of cloud development, from requirements definition and design to development, deployment, maintenance, performance tuning, and monitoring.

Exam details
AZ-204: Developing Solutions for Microsoft Azure

Skills measured:
• Develop Azure compute solutions
• Develop for Azure storage
• Implement Azure security
• Monitor, troubleshoot, and optimize Azure solutions
• Connect to and consume Azure services and third-party services

Knowledge and experience:
A candidate for this exam should have one to two years of professional development experience and experience with Microsoft Azure. In addition, they should have the ability to program in a language supported by Azure, plus proficiency in Azure SDKs, Azure PowerShell, and Azure CLI. They should also be proficient in data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring.

Certification
Pass certification exam AZ-204 to earn this certification

Microsoft Certified: Azure Developer Associate
Azure Developers design, build, test, and maintain cloud applications and services.

Products featured
• Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified:

**Azure Developer Associate**

Get started at [aka.ms/AzureCerts_Developer](aka.ms/AzureCerts_Developer)

**Start here**

Decide if this is the right certification for you

**Upskill with recommended training and experience**

- **Skills outline guide**
  - AZ-204

- **Self-paced online learning**
  - Microsoft Learn

- **Instructor-led training**
  - Course AZ-204T00: Developing Solutions for Microsoft Azure

- **Additional resources**
  - Microsoft Docs
  - Azure Developer Guide
  - Azure Architecture Center

**Take a practice exam**

- Microsoft Official Practice Test AZ-204

**Pass required exam to earn your certification**

- Exam AZ-204: Developing Solutions for Microsoft Azure

**Pass required exam to earn your certification**

- **Exam AZ-204: Developing Solutions for Microsoft Azure**

**Continue to grow**

Explore these resources next

- Build intelligent apps
- Build Azure IoT solutions
- Build applications with Azure DevOps

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This certification is a good fit if your responsibilities include:

- Participating in all phases of cloud development: requirements definition and design, development, deployment, maintenance, performance tuning, and monitoring.

OR

If you already have or are working toward any of these certifications:

- MCSD: App Builder
- MCSA: Web Applications
- MCSA: Universal Windows Platform

Brand new? First, master the basics.

New to the cloud or Azure?

Choose Azure Fundamentals training.

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Developer Associate

Azure Developers design, build, test, and maintain cloud applications and services. Explore recommended training resources that will help you prepare for required exams.

Get started at aka.ms/AzureCerts_Developer

Instructor-led training

- Developing solutions for Microsoft Azure
  - AZ-204T00 | 5 days
- Microsoft Azure solutions for AWS Developers
  - AZ-020T00 | 3 days

Self-paced online training on Microsoft Learn

- Create serverless applications
  - 10 modules
- Connect your services together
  - 4 modules
- Store data in Azure
  - 5 modules
- Deploy a website with Azure virtual machines
  - 4 modules
- Manage resources in Azure
  - 6 modules
- Deploy a website to Azure with Azure App Service
  - 6 modules
- Store data in Azure
  - 5 modules
- Secure your cloud data in Azure
  - 7 modules

Exam AZ-204
Developing Solutions for Microsoft Azure

Pass certification exam AZ-204 to earn this certification

Microsoft Certified: Azure Developer Associate

Find a Learning Partner
Watch the Azure certifications overview video
Overview of Microsoft Certified: DevOps Engineer Expert

Get started at aka.ms/AzureCerts_DevOpsEngineer

Who is this certification for?
Candidates for this certification should have subject matter expertise working with people, processes, and technologies to continuously deliver business value. Candidates must be familiar with both Azure administration and development and must be expert in at least one of these areas.

Prerequisite

Certification option 1
• Azure Administrator Associate

OR

Certification option 2
• Azure Developer Associate

Exam details

AZ-400: Designing and Implementing Microsoft DevOps Solutions

Skills measured:
• Develop an instrumentation strategy
• Develop a Site Reliability Engineering (SRE) strategy
• Develop a security and compliance plan
• Manage source control
• Facilitate communication and collaboration
• Define and implement continuous integration
• Define and implement a continuous delivery and release management strategy

Knowledge and experience:
A candidate for this exam should have expertise implementing strategies for collaboration, code, infrastructure, source control, security, compliance, continuous integration, testing, delivery, monitoring, and feedback. Additionally, a candidate must be familiar with both Azure administration and development and must be expert in at least one of these areas.

Certification
Pass certification exam AZ-400 to earn this certification

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Products featured
• Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: DevOps Engineer Expert

Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:
- Designing and implementing strategies for collaboration, code, infrastructure, source control, security, compliance, continuous integration, testing, delivery, monitoring, and feedback.

Earn one prerequisite certification

Azure Administrator Associate
OR
Azure Developer Associate

Upskill with recommended training and experience

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Skills outline guide
- Self-paced online learning
  - Microsoft Learn
- Instructor-led training
  - Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Take a practice exam

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Continue to grow

Explore these resources next
- Microsoft Cloud Adoption Framework for Azure
- Microsoft Azure Well-Architected Framework

Microsoft Certified: DevOps Engineer Expert
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Additional resources
- Microsoft Docs
- Azure Architecture Center

Get started at aka.ms/AzureCerts_DevOpsEngineer
DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Explore recommended training resources that will help you prepare for required exams.

Instructor-led training

**Designing and Implementing Microsoft DevOps solutions**
AZ-400T00 | 5 days

Self-paced online training on Microsoft Learn

- **Develop an instrumentation strategy**
  12 modules
- **Develop a security and compliance plan**
  11 modules
- **Facilitate communication and collaboration**
  6 modules
- **Develop a Site Reliability Engineering (SRE) strategy**
  8 modules
- **Manage source control**
  15 modules
- **Define and implement continuous integration**
  11 modules

**Exam AZ-400**
Designing and Implementing Microsoft DevOps Solutions

Pass certification exam AZ-400 to earn this certification*

Microsoft Certified: DevOps Engineer Expert

*As a prerequisite for this certification, earn either the Azure Administrator Associate or the Azure Developer Associate certification
Overview of Microsoft Certified:

Azure IoT Developer Specialty

Who is this certification for?

Candidates for this certification should have subject matter expertise creating and maintaining the cloud and edge portions of an Azure IoT solution.

Responsibilities for this role include managing the device lifecycle setup, configuration, and maintenance—using cloud services and other tools, implementing designs for Azure IoT solutions, including device topology, connectivity, debugging, and security, implementing solutions to manage, monitor, and transform IoT-related data pipelines, deploying Azure IoT Edge components, and configuring device networking on the edge.

Exam details

AZ-220: Microsoft Azure IoT Developer

Skills measured:
• Set up the IoT solution infrastructure
• Provision and manage devices
• Implement Edge
• Implement Business Integration
• Process and manage data
• Monitor, troubleshoot, and optimize IoT solutions
• Implement security

Knowledge and experience:
A candidate for this exam should have general understanding of devices types and Azure services, including data storage options, data analysis, data processing, AI, and other platform as a service (PaaS) options. IoT developers must be able to program in at least one Azure IoT SDK-supported language.

Certification

Pass certification exam AZ-220 to earn this certification

Products featured
• Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure IoT Developer Specialty

Start here
Decide if this is the right certification for you

Explore this resource next
Skills outline guide
- AZ-220

Take a practice exam
Microsoft Official Practice Test AZ-220

Pass required exam to earn your certification
Exam AZ-220
Microsoft Azure IoT Developer

Continue to grow
Explore this resource next
• AI edge engineer learning path

Brand new? First, master the basics.
New to the cloud or Azure?
Choose Azure Fundamentals training.

Get started at aka.ms/AzureCerts_IoTDev

This certification is a good fit if your responsibilities include:
• Managing the device lifecycle—setup, configuration, and maintenance—using cloud services and other tools.
• Implementing designs for Azure IoT solutions, including device topology, connectivity, debugging, and security, as well as solutions to manage, monitor, and transform IoT-related data pipelines.
• Deploying Azure IoT Edge components and configuring device networking on the edge.

Skills outline guide
- AZ-220

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-220T00: Microsoft Azure IoT Developer

Additional resources
• Channel 9 Internet of Things Show
• Microsoft Docs
• Azure Developer Guide
• Azure Architecture Center

Microsoft Certified: Azure IoT Developer Specialty
Azure IoT Developers create and maintain the cloud and edge portions of an IoT solution.

Watch the Azure certifications overview video
Learning path for Microsoft Certified:

**Azure IoT Developer Specialty**

Azure IoT Developers create and maintain the cloud and edge portions of an IoT solution. Explore recommended training resources that will help you prepare for required exams.

Get started at [aka.ms/AzureCerts_IoTDev](https://aka.ms/AzureCerts_IoTDev)

Instructor-led training:

**Microsoft Azure IoT Developer**

AZ-220T00 | 4 days

Self-paced online training on Microsoft Learn:

- **Introduction to Azure IoT**
  8 modules

- **Securely connect IoT devices to the cloud**
  6 modules

- **Build the intelligent edge with Azure IoT Edge**
  3 modules

- **Develop IoT solutions with Azure IoT Central**
  4 modules

- **Develop with Azure Digital Twins**
  4 modules

Exam AZ-220

Microsoft Azure IoT Developer

Pass certification exam AZ-220 to earn this certification

Microsoft Certified:

**Azure IoT Developer Specialty**
Who is this certification for?

Candidates for this certification should be data management specialists with subject matter expertise implementing and managing cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services.

Responsibilities for this role include database management, availability, and security, plus performance monitoring and optimization of modern relational database solutions.

Exam details

**DP-300:** Administering Relational Databases on Microsoft Azure (beta)

**Skills measured:**
- Plan and implement data platform resources
- Implement a secure environment
- Monitor and optimize operational resources
- Optimize query performance
- Perform automation of tasks
- Plan and implement a high availability disaster recovery (HADR) environment
- Perform administration by using T-SQL

**Knowledge and experience:**
A candidate for this exam should have experience using a variety of methods and tools to perform day-to-day operations, including applying knowledge of using T-SQL.

Certification

Pass certification exam DP-300 to earn this certification

Microsoft Certified: Azure Database Administrator Associate

Azure Database Administrators implement and manage cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services.

Products featured

- Microsoft Azure
- Microsoft SQL Server

Watch the Azure certifications overview video
The journey to Microsoft Certified:

**Azure Database Administrator Associate**

Get started at aka.ms/AzureCerts_DatabaseAdmin

Start here

Decide if this is the right certification for you

Upskill with recommended training and experience

Pass required exam to earn your certification

Continue to grow

This certification is a good fit if your responsibilities include:

- Database management, availability, and security.
- Performance monitoring and optimization of modern relational database solutions.

OR

If you already have or are working toward any of these certifications:

- MCSA: SQL Server 2012/2014
- MCSA: SQL 2016 Database Development
- MCSA: SQL 2016 Database Administration

Brand new? First, master the basics.

**New to the cloud or Azure?**
Choose Azure Fundamentals training.

**New to data solutions on Azure?**
Choose Azure Data Fundamentals training

Skills outline guide

- DP-300

Self-paced online learning

- Microsoft Learn

Instructor-led training

- Course DP-300T00: Administering Relational Databases on Microsoft Azure

Exam DP-300

Administering Relational Databases on Microsoft Azure

Take a practice exam

- Microsoft Official Practice Test DP-300

Additional resources

- Microsoft Docs
- Azure Architecture Center

Pass required exam to earn your certification

Exam DP-300

**Exam DP-300**

Administering Relational Databases on Microsoft Azure

Take a practice exam

Microsoft Official Practice Test DP-300

Microsoft Certified: Azure Database Administrator Associate

Azure Database Administrators implement and manage cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services.

Explore these resources next

Self-paced online learning

- Migrate SQL workloads to Azure

Instructor-led training

- Course DP-050T00: Migrate SQL workloads to Azure

Brand new? First, master the basics.

**New to the cloud or Azure?**
Choose Azure Fundamentals training.

**New to data solutions on Azure?**
Choose Azure Data Fundamentals training

Watch the Azure certifications overview video
Learning path for Microsoft Certified:

**Azure Database Administrator Associate**

Azure Database Administrators implement and manage cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services. Explore recommended training resources that will help you prepare for required exams.

**Instructor-led training**

- **Administering Relational Databases on Microsoft Azure**
  - DP-300T00 | 4 days

**Self-paced online training on Microsoft Learn**

- **Azure SQL fundamentals**
  - 6 modules
- **Plan and implement data platform resources**
  - 3 modules
- **Implement a secure environment for a database service**
  - 3 modules
- **Optimize query performance in SQL Server**
  - 3 modules
- **Monitor and Optimize Operational Resources in SQL Server**
  - 5 modules
- **Automate tasks in SQL Server**
  - 3 modules
- **Plan and implement an HA-DR environment**
  - 3 modules

**Exam DP-300**

Administering Relational Databases on Microsoft Azure

Pass certification exam DP-300 to earn this certification

Microsoft Certified:

**Azure Database Administrator Associate**

Find a Learning Partner | Watch the Azure certifications overview video
Who is this certification for?

Candidates for this certification have subject matter expertise integrating, transforming, and consolidating data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

Responsibilities for this role include helping stakeholders understand the data through exploration, building, and maintaining secure and compliant data processing pipelines by using different tools and techniques. These professionals use various Azure data services and languages to store and produce cleansed and enhanced datasets for analysis.

Exam details

**DP-203: Data Engineering on Microsoft Azure**

- **Skills measured:**
  - Design and implement data storage
  - Design and develop data processing
  - Design and implement data security
  - Monitor and optimize data storage and data processing

- **Knowledge and experience:**
  Candidates for this exam must have solid knowledge of data processing languages, such as SQL, Python, or Scala, and they need to understand parallel processing and data architecture patterns.

Certification

Pass certification exam **DP-203** to earn this certification

Microsoft Certified: **Azure Data Engineer Associate**

Azure Data Engineers integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

Products featured

- Microsoft Azure

Watch the Azure certifications overview video

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The journey to Microsoft Certified:

**Azure Data Engineer Associate**

Get started at [aka.ms/AzureCerts_DataEngineer](https://aka.ms/AzureCerts_DataEngineer)

**Start here**

Decide if this is the right certification for you

**Pass required exams to earn your certification**

- **Exam DP-203**
  - Data Engineering on Microsoft Azure

**Skills outline guides**

- **DP-203**

**Self-paced online learning**

- Microsoft Official Practice Test DP-203

**Instructor-led training**

- Course DP-203T00: Data Engineering on Microsoft Azure

**Additional resources**

- Microsoft Docs
- Azure Architecture Center

**Explore these resources next**

**Self-paced online learning**

- Migrate data to Azure

**Instructor-led training**

- Course DP-050T00: Migrate SQL workloads to Azure
- Course DP-060T00: Migrate NoSQL workloads to Azure Cosmos DB
- Course DP-070T00: Migrate Open Source Data Workloads to Azure

**Brand new? First, master the basics.**

- **New to the cloud or Azure?**
  - Choose Azure Fundamentals training.

- **New to data solutions on Azure?**
  - Choose Azure Data Fundamentals training.

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This certification is a good fit if your responsibilities include:

- Building and maintaining secure and compliant data processing pipelines by using different tools and techniques.
- Using various Azure data services and languages to store and produce cleansed and enhanced datasets for analysis.

OR

If you already have or were working toward this certification:

- MCSA: Data Engineering with Azure

Microsoft Certified: Azure Data Engineer Associate

Azure Data Engineers integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

**Continue to grow**

- Take a practice exam

**Watch the Azure certifications overview video**

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Learning path for Microsoft Certified: Azure Data Engineer Associate

Azure Data Engineers integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

Instructor-led Training

- Designing and Implementing a Microsoft Azure AI Solution (coming soon)
  - DP-203T00 | 4 days

Self-paced online training on Microsoft Learn

- Azure for the Data Engineer
  - 3 modules
- Data integration at scale with Azure Data Factory or Azure Synapse Pipeline
  - 7 modules
- Work with Data Warehouses using Azure Synapse Analytics
  - 7 modules
- Perform data engineering with Azure Synapse Apache Spark Pools
  - 5 modules
- Data engineering with Azure Databricks
  - 15 modules
- Implement a Data Streaming Solution with Azure Streaming Analytics
  - 2 modules
- Build data analytics solutions using Azure Synapse serverless SQL pools
  - 6 modules
- Work with Hybrid Transactional and Analytical Processing Solutions
  - 4 modules
- Large-Scale Data Processing with Azure Data Lake Storage Gen2
  - 3 modules
- Store data in Azure
  - 5 modules
- Integrated Analytical Solutions with Azure Synapse Analytics
  - 4 modules
- Work with Hybrid Transactional and Analytical Processing Solutions
  - 4 modules
- Large-Scale Data Processing with Azure Data Lake Storage Gen2
  - 3 modules

Pass certification exam DP-203 to earn this certification

Microsoft Certified: Azure Data Engineer Associate

Find a Learning Partner
Watch the Azure certifications overview video
Overview of Microsoft Certified: Data Analyst Associate

Who is this certification for?

Candidates for this certification should have subject matter expertise helping businesses to maximize the value of their data assets using Microsoft Power BI.

Responsibilities for this role include designing and building scalable data models, cleaning and transforming data, and enabling advanced analytics capabilities that provide meaningful business value through easy-to-understand data visualizations.

Exam details

**DA-100:**
Analyzing Data with Microsoft Power BI (beta)

Skills measured:
- Prepare the data
- Model the data
- Visualize the data
- Analyze the data
- Deploy and maintain deliverables

Knowledge and experience:
A candidate for this exam should have a fundamental understanding of data repositories and data processing in the cloud and in on-premises settings. In addition, the role should have knowledge and experience with Power BI.

Certification

Pass certification exam DA-100 to earn this certification

Microsoft Certified: Data Analyst Associate

Data Analysts help businesses to maximize the value of their data assets using Microsoft Power BI.

Products featured

- Microsoft Power BI

Get started at aka.ms/AzureCerts_DataAnalyst

Watch the Azure certifications overview video
The journey to Microsoft Certified:
Data Analyst Associate

Get started at aka.ms/AzureCerts_DataAnalyst

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Pass required exam to earn your certification

Skills outline guides
- DA-100

Exam DA-100
Analyzing Data with Microsoft Power BI

Self-paced online learning
Microsoft Learn

Instructor-led training
Course DA-100T00: Analyzing Data with Microsoft Power BI

Take a practice exam
Microsoft Official Practice Test DA-100

Additional resources
- Microsoft Docs

This certification is a good fit if your responsibilities include:
- Designing and building scalable data models.
- Cleaning and transforming data.
- Enabling advanced analytics capabilities that provide meaningful business value through easy-to-understand data visualizations.

OR

If you already have or are working toward any of these certifications:
- MCSA: BI Reporting
- MCSA: SQL 2016 BI Development

First, make sure your skills are up to date.

New to the cloud or Azure?
Choose Azure Fundamentals training.

New to data solutions on Azure?
Choose Azure Data Fundamentals training.

Need to update your skills on Microsoft Power Platform?
Choose Power Platform Fundamentals training.

Microsoft Certified:
Data Analyst Associate

Data Analysts help businesses to maximize the value of their data assets using Microsoft Power BI.

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Data Analyst Associate

Data Analysts help businesses to maximize the value of their data assets using Microsoft Power BI. Explore recommended training resources that will help you prepare for required exams.

Get started at aka.ms/AzureCerts_DataAnalyst

Instructor-led training

Analyzing Data with Microsoft Power BI
DA-100T00 | 5 days

Self-paced online training on Microsoft Learn

Get started with Microsoft data analytics
Prepared for analysis:
2 modules

Prepare data for analysis:
2 modules

Model data in Power BI:
3 modules

Model data in Power BI:
3 modules

Visualize data in Power BI:
4 modules

Visualize data in Power BI:
4 modules

Data analysis in Power BI:
2 modules

Data analysis in Power BI:
2 modules

Exam DA-100
Analyzing Data with Microsoft Power BI

Pass certification exam DA-100 to earn this certification

Microsoft Certified: Data Analyst Associate

Find a Learning Partner

Watch the Azure certifications overview video
Overview of Microsoft Certified:

Azure Cosmos DB Developer Specialty

Get started at aka.ms/AzureCerts_CosmosDBDeveloper

Who is this certification for?

Candidates for this certification should have subject matter expertise in designing, implementing, and monitoring cloud-native applications that store and manage data. Responsibilities include designing and implementing data models and data distribution, loading data into an Azure Cosmos DB database, and optimizing and maintaining the solution. These professionals integrate the solution with other Azure services. They also design, implement, and monitor solutions that consider security, availability, resilience, and performance requirements.

Exam details

**Exam DP-420:**
Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB

**Skills measured:**
- Design and implement data models
- Design and implement data distribution
- Integrate an Azure Cosmos DB solution
- Optimize an Azure Cosmos DB solution
- Maintain an Azure Cosmos DB solution

**Knowledge and experience:**
A candidate for this exam must have solid knowledge and experience developing apps for Azure and working with Azure Cosmos DB database technologies. They should be proficient at developing applications by using the Core (SQL) API and SDKs, writing efficient queries and creating appropriate index policies, provisioning and managing resources in Azure, and creating server-side objects with JavaScript. They should be able to interpret JSON, read C# or Java code, and use PowerShell.

Certification

Pass certification exam DP-420 to earn this certification

Microsoft Certified: Azure Cosmos DB Developer Specialty

Azure Cosmos DB Developers design, implement, and monitor cloud-native applications that store and manage data.

Products featured

- Microsoft Azure
The journey to Microsoft Certified:

**Azure Cosmos DB Developer Specialty**

Get started at [aka.ms/AzureCerts_CosmosDBDeveloper](aka.ms/AzureCerts_CosmosDBDeveloper)

**Start here**
Decide if this is the right certification for you

**This certification is a good fit if your responsibilities include:**
- Designing and implementing data models and data distribution.
- Loading data into an Azure Cosmos DB database.
- Optimizing and maintaining the solution.
- Integrating the solution with other Azure services.
- Designing, implementing, and monitoring solutions that consider security, availability, resilience, and performance requirements.

**Upskill with recommended training and experience**

**Skills outline guide**
- RP-420

**Self-paced online learning**
Microsoft Learn

**Additional resources**
- Microsoft Docs

**Pass required exam to earn your certification**

**Exam DP-420**
Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB (beta)

**First, make sure your skills are up to date.**

**Need to update your skills in Azure administration?**
Azure Administrator training on Microsoft Learn.

**Microsoft Certified: Azure Cosmos DB Developer Specialty**
Azure Cosmos DB Developers design, implement, and monitor cloud-native applications that store and manage data.

Watch the Azure certifications overview video
Overview of Microsoft Certified:

Azure AI Engineer Associate

Who is this certification for?

Candidates for this certification should have subject matter expertise building, managing, and deploying AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework.

Responsibilities for this role include participating in all phases of AI solutions development—from requirements definition and design, to development, deployment, maintenance, performance tuning, and monitoring.

Exam details

AI-102: Designing and Implementing a Microsoft Azure AI Solution

Skills measured:
- Plan and manage an Azure cognitive services solution
- Implement computer vision solutions
- Implement natural language processing solutions
- Implement knowledge mining solutions
- Implement conversational AI solutions

Knowledge and experience:
A candidate for this exam should be proficient in C#, Python, or JavaScript and should be able to use REST-based APIs and SDKs to build computer vision, natural language processing, knowledge mining, and conversational AI solutions on Azure. In addition, a candidate should understand the components that make up the Azure AI portfolio and the available data storage options. A candidate also needs to understand and be able to apply responsible AI principles.

Certification

Pass certification exam AI-102 to earn this certification

Microsoft Certified: Azure AI Engineer Associate


Products featured
- Microsoft Azure

Watch the Azure certifications overview video
The journey to Microsoft Certified: Azure AI Engineer Associate

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Take a practice exam

Pass required exam to earn your certification

Continue to grow

This certification is a good fit if your responsibilities include:

• Participating in all phases of AI solutions development—from requirements definition and design to development, deployment, maintenance, performance tuning, and monitoring.

Skills outline guide

• AI-102

Self-paced online learning
Microsoft Learn

Instructor-led training

Course AI-102T00: Designing and Implementing a Microsoft Azure AI Solution (4 days)

Additional resources

• Microsoft Docs
• Azure Developer Guide
• Azure Architecture Center

Exam AI-102
Designing and Implementing a Microsoft Azure AI Solution

Microsoft Official Practice Test AI-102

Additional resources

• Microsoft Docs
• Azure Developer Guide
• Azure Architecture Center

Brand new? First, master the basics.

New to the cloud or Azure?
Choose Azure Fundamentals training.

New to AI on Azure?
Choose Azure AI Fundamentals training.

Get started at aka.ms/AzureCerts_AIEngineer

Microsoft Certified: Azure AI Engineer Associate


Explore these resources next

• Create machine learning models
• AI Business School

Watch the Azure certifications overview video
Learning path for Microsoft Certified:

Azure AI Engineer Associate


Instructor-led training
- Designing and Implementing a Microsoft Azure AI Solution
  - AI-102T00 | 4 days

Self-paced online training on Microsoft Learn
- Prepare for AI engineering
  - 1 module
- Process and translate text with Azure Cognitive Services
  - 2 modules
- Create a Language Understanding solution
  - 3 modules
- Create conversational AI solutions
  - 2 modules
- Extract text from images and documents
  - 2 modules
- Provision and manage Azure Cognitive Services
  - 4 modules
- Process and Translate Speech with Azure Cognitive Speech Services
  - 2 modules
- Build a QnA solution
  - 1 module
- Create computer vision solutions with Azure Cognitive Services
  - 5 modules
- Create conversational AI solutions with Azure Cognitive Services
  - 1 module
- Implement knowledge mining with Azure Cognitive Search
  - 3 modules

Exam AI-102
- Designing and Implementing a Microsoft Azure AI Solution

Pass certification exam AI-102 to earn this certification
- Microsoft Certified: Azure AI Engineer Associate

Get started at aka.ms/AzureCerts.AIEngineer

Find a Learning Partner
Watch the Azure certifications overview video
Who is this certification for?
Candidates for this certification should have subject matter expertise implementing and running machine learning workloads on Microsoft Azure.

Responsibilities for this role include planning and creating a suitable working environment for data science workloads on Azure, running data experiments and training predictive models, and managing, optimizing, and deploying machine learning models into production.

Exam details

**DP-100: Designing and Implementing a Data Science Solution on Azure**

**Skills measured:**
- Set up an Azure Machine Learning workspace
- Run experiments and train models
- Optimize and manage models
- Deploy and consume models

**Knowledge and experience:**
A candidate for this exam should have knowledge and experience in data science and using Azure Machine Learning.

Certification

Pass certification exam DP-100 to earn this certification

Microsoft Certified: Azure Data Scientist Associate

Azure Data Scientists implement and run machine learning workloads on Microsoft Azure Machine Learning.

Products featured
- Microsoft Azure

Get started at aka.ms/AzureCerts_DataScientist
The journey to Microsoft Certified: Azure Data Scientist Associate

Get started at aka.ms/AzureCerts_DataScientist

This certification is a good fit if your responsibilities include:

- Planning and creating a suitable working environment for data science workloads on Azure.
- Running data experiments and training predictive models.
- Managing, optimizing, and deploying machine learning models into production.

Brand new? First, master the basics.

New to the cloud or Azure?
Choose Azure Fundamentals training.

New to Artificial Intelligence (AI) or AI on Azure?
Choose Azure AI Fundamentals training.

Skills outline guide

- DP-100

Instructor-led training
Course DP-100T01: Designing and Implementing a Data Science Solution on Azure

Additional resources

- Microsoft Docs

Take a practice exam

- Microsoft Official Practice Test DP-100

Pass required exam to earn your certification

Exam DP-100
Designing and Implementing a Data Science Solution on Azure

Continue to grow

Explore these resources next

- AI Business School

Microsoft Certified: Azure Data Scientist Associate

Azure Data Scientists implement and run machine learning workloads on Microsoft Azure Machine Learning.

New to the cloud or Azure?
Choose Azure Fundamentals training.

New to Artificial Intelligence (AI) or AI on Azure?
Choose Azure AI Fundamentals training.

Watch the Azure certifications overview video
Learning path for Microsoft Certified: Azure Data Scientist Associate

Azure Data Scientists implement and run machine learning workloads on Microsoft Azure Machine Learning. Explore recommended training resources that will help you prepare for required exams.

Get started at aka.ms/AzureCerts_DataScientist

Instructor-led training

- **Designing and Implementing a Data Science Solution on Azure**
  - DP-100T01 | 3 days

- **Implementing a Machine Learning Solution with Microsoft Azure Databricks**
  - DP-090T00 | 1 day

Self-paced online training on Microsoft Learn

- **Create machine learning models**
  - 5 modules

- **Build and operate machine learning solutions with Azure Machine Learning**
  - 14 modules

- **Build and operate machine learning solutions with Azure Databricks**
  - 8 modules

Exam DP-100
Designing and Implementing a Data Science Solution on Azure

Pass certification exam DP-100 to earn this certification
Microsoft Certified: Azure Data Scientist Associate

Create machine learning models

- Use visual tools to create machine learning models with Azure Machine Learning
  - 4 modules

Build and operate machine learning solutions with Azure Machine Learning

- Build and operate machine learning solutions with Azure Databricks
  - 8 modules

Find a Learning Partner

Watch the Azure certifications overview video
## Resources

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## Stay connected

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