Microsoft Azure training and certifications

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

### Training journeys
- Training journey for cloud IT pros
- Training journey for hybrid cloud IT pros
- Training journey for cloud IT pros expert level
- Training journey for developers
- Training journey for data & AI professionals
- Training journey for data analysts

### Microsoft Virtual Training Days
- Microsoft Azure Virtual Training Days

### Microsoft Azure certifications
- Certifications poster
- Certifications overview
- Azure Fundamentals
- Azure Data Fundamentals
- Azure AI Fundamentals
- Azure Administrator Associate
- Azure Security Engineer 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 Database Administrator Associate
- Azure Data Engineer Associate
- Azure Enterprise Data Analyst Associate
- Azure Cosmos DB Developer Specialty
- Azure AI Engineer Associate
- Azure Data Scientist Associate
Training journey for cloud IT pros

Grow in role

Start here

Implement, manage, and monitor cloud solutions
Azure administrator

Implement and manage secure cloud solutions
Azure security engineer

Manage SAP solutions on Azure
Azure for SAP workloads

Deliver virtual desktop experiences and remote apps on Azure
Azure Virtual Desktop administrator

Implement and manage networking solutions
Azure network engineer

Choose additional paths that best fit your role and projects

Master the basics

New to the cloud or new to Azure
Azure fundamentals

New to Azure administration
Prerequisites for Azure administrators

Want to keep learning?
Explore the Security, Compliance, and Identity Training Journey
Training journey for hybrid cloud IT pros

Grow in role

Start here

Manage Windows Server on-premises, hybrid, and IaaS platform workloads
Windows Server hybrid administrator

Choose additional paths that best fit your role and projects

Implement, manage, and monitor cloud solutions
Azure administrator

Deliver virtual desktop experiences and remote apps on Azure
Azure Virtual Desktop administrator

Master the basics

New to the cloud or new to Azure
Azure fundamentals

New to Azure administration
Prerequisites for Azure administrators
Training journey for cloud IT pros expert level

Grow in role

Start here

Implement, manage, and monitor cloud solutions
Azure administrator

Choose additional paths that best fit your role and projects

Deliver continuous value integrating people, processes, and technologies
DevOps engineer

Design and implement end-to-end cloud solutions
Azure solutions architect

Master the basics

New to Azure administration
Prerequisites for Azure administrators

New to Azure infrastructure architecture
Prerequisites for Azure solution architects
Training journey for developers

Start here

Design, build, test, and maintain cloud apps
Azure developer

Build, manage, and deploy AI solutions
Azure AI engineer

Deliver continuous value integrating people, processes, and technologies
DevOps engineer

Choose additional paths that best fit your role and projects

New to data solutions on Azure
Azure data fundamentals

New to AI or new to AI on Azure
Azure AI fundamentals

New to the cloud or new to Azure
Azure fundamentals

Want to keep learning? Check out the Power Platform Training Journey
Training journey for data & AI professionals

Grow in role

Start here

- Manage relational cloud and hybrid databases
  - Azure database administrator
  - DP-300

Choose additional paths that best fit your role and projects

- Deliver continuous value integrating people, processes, and technologies
  - Azure data engineer
  - DP-203

- Build, train, and deploy machine learning models
  - Azure data scientist
  - DP-100

Master the basics

- New to the cloud or new to Azure
  - Azure fundamentals
  - AZ-900

- New to data solutions on Azure
  - Azure data fundamentals
  - DP-900

- New to AI or new to AI on Azure
  - Azure AI fundamentals
  - AI-900

Check out the full Azure Training Journey
Training journey for data analysts

Grow in role

Start here

Maximize the value of data assets with advanced analytics
Power BI data analyst

Build enterprise-scale data analytics solutions
Azure Enterprise data analyst

Master the basics

New to cloud or new to Azure
Azure fundamentals

New to data solutions on Azure
Azure data fundamentals

New to Microsoft Power Platform
Microsoft Power Platform Fundamentals

Check out the full 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 AI Fundamentals
- Azure Data Fundamentals
- Azure Fundamentals
- Azure Virtual Desktop
- Cloud-Native Apps
- Deliver Integrated Analytics with Azure Synapse
- DevOps with GitHub
- Linux OSS Database Migration
- Migrating On-Premises Infrastructure and Data
- Well-Architected

View all Azure Virtual Training Days
Microsoft Azure certifications

Help advance your career, earn recognition, and validate your technical knowledge and abilities in current and future industry job roles with Microsoft Azure certifications. Visit the certifications page to get started.

Azure Administrator Associate
Azure Security Engineer Associate
Azure Network Engineer Associate
Windows Server Hybrid Administrator Associate
Azure Virtual Desktop Specialty
Azure for SAP Workloads Specialty

Azure Data Scientist Associate
Azure Data Engineer Associate
Azure Database Administrator Associate
Azure Enterprise Data Analyst Associate

Azure Solutions Architect Expert
DevOps Engineer Expert
Azure Developer Associate
Azure Fundamentals
Azure Data Fundamentals
Azure AI Fundamentals
Azure AI Engineer Associate
Azure Cosmos DB Developer Specialty

Manage hybrid cloud infrastructure
Support with data and analytics
Innovate with best-in-class apps
Secure from the ground up

Azure. Invent with purpose.
<table>
<thead>
<tr>
<th>Azure Administrator Associate</th>
<th>Azure Security Engineer Associate</th>
<th>Azure Network Engineer Associate</th>
<th>Windows Server Hybrid Administrator Associate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam AZ-104</td>
<td>Exam AZ-500</td>
<td>Exam AZ-700</td>
<td>Exams AZ-800 + AZ-801</td>
</tr>
</tbody>
</table>

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

Azure security engineers implement security controls that protect identity, access, data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

Azure network engineers plan, implement, and maintain Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services.

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

- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Implement and manage virtual networking
- Monitor and maintain Azure resources

- Manage identity and access
- Secure networking
- Secure compute, storage, and databases
- Manage security operations

- Design and implement core networking infrastructure
- Design, implement, and manage connectivity services
- Design and implement private access to Azure services
- Secure and monitor networks

- 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
- 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
### Microsoft Azure certifications for IT pros (2)

#### Manage hybrid cloud infrastructure

<table>
<thead>
<tr>
<th>Certification</th>
<th>Exam Code(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DevOps Engineer Expert</strong></td>
<td>AZ-400</td>
<td>DevOps engineers work with people, processes, and products to enable continuous delivery of value in organizations.</td>
</tr>
<tr>
<td><strong>Azure Solutions Architect Expert</strong></td>
<td>AZ-305</td>
<td>Azure solution architects design cloud and hybrid solutions that run on Microsoft Azure, including compute, network, storage, monitoring, and security.</td>
</tr>
<tr>
<td><strong>Azure for SAP Workloads Specialty</strong></td>
<td>AZ-120</td>
<td>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 initial migration or integration and the long-term operation of an SAP solution on Microsoft Azure.</td>
</tr>
<tr>
<td><strong>Azure Virtual Desktop Specialty</strong></td>
<td>AZ-140</td>
<td>Administrators for Azure Virtual Desktop design, implement, manage, and maintain Microsoft Azure Virtual Desktop experiences and remote apps for any device.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tasks</strong></th>
<th></th>
<th><strong>Tasks</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Configure processes and communications</td>
<td></td>
<td>• Design identity, governance, and monitoring solutions</td>
</tr>
<tr>
<td>• Design and implement source control</td>
<td></td>
<td>• Design data storage solutions</td>
</tr>
<tr>
<td>• Design and implement build and release pipelines</td>
<td></td>
<td>• Design business continuity solutions</td>
</tr>
<tr>
<td>• Develop a security and compliance plan</td>
<td></td>
<td>• Design infrastructure solutions</td>
</tr>
<tr>
<td>• Implement an instrumentation strategy</td>
<td></td>
<td>• Migrate SAP workloads to Azure</td>
</tr>
<tr>
<td>• Design identity, governance, and monitoring solutions</td>
<td></td>
<td>• Design and implement an infrastructure to support SAP workloads on Azure</td>
</tr>
<tr>
<td>• Design data storage solutions</td>
<td></td>
<td>• Design and implement high availability and disaster recovery (HA/DR)</td>
</tr>
<tr>
<td>• Design business continuity solutions</td>
<td></td>
<td>• Maintain SAP workloads on Azure</td>
</tr>
<tr>
<td>• Design infrastructure solutions</td>
<td></td>
<td>• Plan and implement an Azure Virtual Desktop infrastructure</td>
</tr>
<tr>
<td>• Develop a security and compliance plan</td>
<td></td>
<td>• Plan and implement identity and security</td>
</tr>
<tr>
<td>• Implement an instrumentation strategy</td>
<td></td>
<td>• Plan and implement user environments and apps</td>
</tr>
<tr>
<td>• Monitor and maintain an Azure Virtual Desktop infrastructure</td>
<td></td>
<td>• Plan and implement an Azure Virtual Desktop infrastructure</td>
</tr>
</tbody>
</table>
# Microsoft Azure certifications for developers

<table>
<thead>
<tr>
<th><strong>Azure Developer Associate</strong>&lt;br&gt;Exam AZ-204</th>
<th><strong>DevOps Engineer Expert</strong>&lt;br&gt;Exam AZ-400</th>
<th><strong>Azure AI Engineer Associate</strong>&lt;br&gt;Exam AI-102</th>
<th><strong>Azure Cosmos DB Developer Specialty</strong>&lt;br&gt;Exam DP-420</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azure developers participate in all phases of development from requirements definition and design to development, deployment, and maintenance.</td>
<td>DevOps engineers work with people, processes, and products to enable continuous delivery of value in organizations.</td>
<td>Azure AI engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.</td>
<td>Azure Cosmos DB developers design, implement, and monitor cloud-native applications that store and manage data.</td>
</tr>
</tbody>
</table>

- 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

- Configure processes and communications
- Design and implement source control
- Design and implement build and release pipelines
- Develop a security and compliance plan
- Implement an instrumentation strategy

- 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

- 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
### Microsoft Azure certifications for data and AI pros (1)

<table>
<thead>
<tr>
<th>Azure Database Administrator Associate</th>
<th>Azure Data Engineer Associate</th>
<th>Azure Data Scientist Associate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam DP-300</td>
<td>Exam DP-203</td>
<td>Exam DP-100</td>
</tr>
</tbody>
</table>

- Azure database administrators implement and manage the operational aspects of cloud-native and hybrid data platform solutions built with Microsoft SQL Server and Microsoft Azure Data Services.
- Azure data engineers integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.
- Azure data scientists apply data science and machine learning to implement and run machine learning workloads on Azure.

**Azure Database Administrator Associate (Exam DP-300)**
- Plan and implement data platform resources
- Implement a secure environment
- Monitor, configure, and optimize database resources
- Configure and manage automation of tasks
- Plan and configure a high availability and disaster recovery (HA/DR) environment

**Azure Data Engineer Associate (Exam DP-203)**
- Design and implement data storage
- Design and develop data processing
- Design and implement data security
- Monitor and optimize data storage and data processing

**Azure Data Scientist Associate (Exam DP-100)**
- Design and prepare a machine learning solution
- Explore data and train models
- Prepare a model for deployment
- Deploy and retrain a model
## Support with data and analytics

<table>
<thead>
<tr>
<th><strong>Azure AI Engineer Associate</strong>&lt;br&gt;Exam AI-102</th>
<th><strong>Azure Cosmos DB Developer Specialty</strong>&lt;br&gt;Exam DP-420</th>
<th><strong>Azure Enterprise Data Analyst Associate</strong>&lt;br&gt;Exam DP-500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azure AI engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.</td>
<td>Azure Cosmos DB developers design, implement, and monitor cloud-native applications that store and manage data.</td>
<td>Azure Enterprise data analysts design, create, and deploy enterprise-scale data analytics solutions.</td>
</tr>
</tbody>
</table>

- Plan and manage an Azure AI solution
- Implement image and video processing solutions
- Implement natural language processing solutions
- Implement knowledge mining solutions
- Implement conversational AI solutions

- 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

- Implement and manage a data analytics environment
- Query and transform data
- Implement and manage data models
- Explore and visualize data
## Get the right foundations

### Master the basics

<table>
<thead>
<tr>
<th>Azure Fundamentals</th>
<th>Azure AI Fundamentals</th>
<th>Azure Data Fundamentals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam AZ-900</td>
<td>Exam AI-900</td>
<td>Exam DP-900</td>
</tr>
</tbody>
</table>

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

Azure AI fundamentals validates foundational knowledge of machine learning and artificial intelligence concepts and related Microsoft Azure services.

Azure data fundamentals validates foundational knowledge of core data concepts and how they’re implemented using Azure data services.

- Describe cloud concepts
- Describe Azure architecture and services
- Describe Azure management and governance

- Describe Artificial Intelligence 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 core data concepts
- Identify considerations for relational data on Azure
- Describe considerations for working with non-relational data on Azure
- Describe an analytics workload on Azure
The journey to Microsoft Certified: Azure Fundamentals

Start here
Decide if this is the right certification for you

This certification is a good fit if:
• You are new to the cloud or new to Azure.

Get trained
Exam study guide
› AZ-900

Self-paced training
› Microsoft Learn

Instructor-led training
› Course AZ-900: Microsoft Azure Fundamentals

Virtual events
› Microsoft Azure Virtual Training Day: Fundamentals

Get trained
Exams
Exam study guide
‐ AZ-900

Self-paced training
‐ Microsoft Learn

Instructor-led training
‐ Course AZ-900: Microsoft Azure Fundamentals

Virtual events
‐ Microsoft Azure Virtual Training Day: Fundamentals

Build confidence
Exam preparation
‐ Exam Readiness Zone

Take a practice exam
‐ Practice Assessment on Microsoft Learn AZ-900

Skills measured:
• Describe cloud concepts
• Describe Azure architecture and services
• Describe Azure management and governance

Get recognized
Pass 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

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.

Get trained
Exam study guide
› DP-900
Self-paced training
› Microsoft Learn
Instructor-led training
› Course DP-900: Microsoft Azure Data Fundamentals
Virtual events
› Microsoft Azure Virtual Training Day: Data Fundamentals

Build confidence
Exam preparation
› Exam Readiness Zone
Take a practice exam
› Practice Assessment on Microsoft Learn DP-900

Skills measured:
• Describe core data concepts
• Identify considerations for relational data on Azure
• Describe considerations for working with non-relational data on Azure
• Describe an analytics workload on Azure

Get recognized
› Pass Exam DP-900 to earn this certification.

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’re implemented using Azure data services.

Products featured
• Microsoft Azure
• Microsoft SQL Server

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

Get started at aka.ms/AzureCerts_AIFundamentals

This certification is a good fit if:
• You are new to AI or AI on Azure.

Start here
Decide if this is the right certification for you

Get trained
Exam study guide
› AI-900
Self-paced training
› Microsoft Learn
Instructor-led training
› Course AI-900: Microsoft Azure AI Fundamentals
Virtual events
› Microsoft Azure Virtual Training Day: AI Fundamentals

Get recognized
Pass Exam AI-900 to earn this certification.

Skills measured:
• Describe Artificial Intelligence 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

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

Build confidence
Exam preparation
› Exam Readiness Zone
Take a practice exam
› Practice Assessment on Microsoft Learn AI-900

Microsoft Certified: Azure AI Fundamentals
Azure AI fundamentals validates foundational knowledge of machine learning and artificial intelligence concepts and related Microsoft Azure services.

Products featured
• Microsoft Azure

Watch the Azure certifications overview video
Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:
• Managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, and adjust resources, when needed.

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

Get trained
Exam study guide
› AZ-104

Self-paced training
› Microsoft Learn

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

Build confidence
Exam preparation
› Exam Readiness Zone

Take a practice exam
› Practice Assessment on Microsoft Learn AZ-104

Skills measured:
• Manage Azure identities and governance
• Implement and manage storage
• Deploy and manage Azure compute resources
• Implement and manage virtual networking
• Monitor and maintain Azure resources

Get recognized
› Pass 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
The journey to Microsoft Certified: Azure Security Engineer Associate

Start here
Decide if this is the right certification for you

Get trained

- Exam study guide
  - AZ-500
- Self-paced training
  - Microsoft Learn
- Instructor-led training
  - Course AZ-500: Microsoft Azure Security Technologies

Build confidence

- Exam preparation
  - Exam Readiness Zone
- Take a practice exam
  - Practice Assessment on Microsoft Learn AZ-500

Skills measured:

- Manage identity and access
- Secure networking
- Secure compute, storage, and databases
- Manage security operations

Get recognized

- Pass Exam AZ-500 to earn this certification.

Microsoft Certified: Azure Security Engineer Associate

Azure security engineers implement security controls that protect identity, access, data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

First, make sure your skills are up to date.

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

Products featured

- Microsoft Azure

Get started at aka.ms/AzureCerts_SecurityEngineer

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

**Start here**

Decide if this is the right certification for you

**Get trained**

- Exam study guide
  - AZ-700
- Self-paced training
  - Microsoft Learn
- Instructor-led training
  - Course AZ-700: Designing and Implementing Microsoft Azure Networking Solutions

**Build confidence**

- Exam preparation
  - Exam Readiness Zone
- Take a practice exam
  - Practice Assessment on Microsoft learn AZ-700

**Skills measured:**

- Design and implement core networking infrastructure
- Design, implement, and manage connectivity services
- Design and implement private access to Azure services
- Secure and monitor networks

**Get recognized**

- Pass Exam AZ-700 to earn this certification.

Microsoft Certified: Azure Network Engineer Associate

Azure network engineers plan, implement, and maintain Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services.

**Products featured**

- Microsoft Azure

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Get started at aka.ms/AzureCerts_NetworkEngineer

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

Start here

Decide if this is the right certification for you

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.

OR

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

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

Get trained

Exam study guides

› AZ-800 and AZ-801

Self-paced training

› Microsoft Learn

Instructor-led training

› Course AZ-800 Administering Windows Server Hybrid Core Infrastructure
› Course AZ-801T00 Configuring Windows Server Hybrid Advanced Services

Virtual events

› Microsoft Azure Virtual Training Day: Implementing Hybrid Infrastructure

Build confidence

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
• 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

Exam preparation

› Exam Readiness Zone
› Practice Assessment on Microsoft Learn AZ-800
› Practice Assessment on Microsoft Learn AZ-801

Get recognized

› Pass Exam AZ-800 and Exam AZ-801 to earn this certification.

Microsoft Certified: Windows Server Hybrid Administrator Associate

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

Products featured

• Windows Server
• Microsoft Azure

Get started at aka.ms/AzureCerts_WindowsServer

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

Get started at aka.ms/AzureCerts_SolutionsArchitect

Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:
• Advising stakeholders and translating business requirements into designs for secure, scalable, and reliable Azure solutions.

Exam study guide
› AZ-305

Self-paced training
› Microsoft Learn

Instructor-led training
› Course AZ-305: Designing Microsoft Azure Infrastructure Solutions

Virtual events
› Microsoft Azure Virtual Training Day: Well-Architected

Prerequisite: Certification
• Azure Administrator Associate

Build confidence

Exam preparation
› Exam Readiness Zone

Take a practice exam
› Practice Assessment on Microsoft Learn AZ-305

Skills measured:
• Design identity, governance, and monitoring solutions
• Design data storage solutions
• Design business continuity solutions
• Design infrastructure solutions

Get recognized

› Pass Exam AZ-305 to earn this certification.

Microsoft Certified: Azure Solutions Architect Expert
Azure solution architects design cloud and hybrid solutions that run on Microsoft Azure, including compute, network, storage, monitoring, and security.

First, make sure your skills are up to date.

Need to update your skills in Azure infrastructure architecture?
Choose Azure architect design prerequisites training.

Products featured
• Microsoft Azure

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

Get started at aka.ms/AzureCerts_SAPWorkloads

Start here
Decide if this is the right certification for you

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.

Get trained

Exam study guide
AZ-120

Self-paced training
Microsoft Learn

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

Build confidence

Exam preparation
Exam Readiness Zone

Take a practice exam
Microsoft Official Practice Test AZ-120

Skills measured:

- Migrate SAP workloads to Azure
- Design and implement an infrastructure to support SAP workloads on Azure
- Design and implement high availability and disaster recovery (HA/DR)
- Maintain SAP workloads on Azure

Get recognized

Pass Exam AZ-120 to earn this certification.

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 architecture?
Choose Azure solutions architect training.

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 initial migration or integration and the long-term operation of an SAP solution on Microsoft Azure.

Watch the Azure certifications overview video

Products featured

- Microsoft Azure
Start here
Decide if this is the right certification for you

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.

Exam study guide
› AZ-140

Self-paced training
› Microsoft Learn

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

Virtual events
› Microsoft Azure Virtual Training Day: Azure Virtual Desktop

First, make sure your skills are up to date.

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

Get trained

Exam preparation
› Exam Readiness Zone

Take a practice exam
› Practice Assessment on Microsoft Learn AZ-140

Skills measured:
• Plan and implement an Azure Virtual Desktop infrastructure
• Plan and implement identity and security
• Plan and implement user environments and apps
• Monitor and maintain an Azure Virtual Desktop infrastructure

Get recognized

Pass Exam AZ-140 to earn this certification.

Microsoft Certified: Azure Virtual Desktop Specialty
Administrators for Azure Virtual Desktop design, implement, manage, and maintain Microsoft Azure Virtual Desktop experiences and remote apps for any device.

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

Start here
Decide if this is the right certification for you

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.

Get trained

Exam study guide
› AZ-204

Self-paced training
› Microsoft Learn

Instructor-led training
› Course AZ-204: Developing solutions for Microsoft Azure

Build confidence

Exam preparation
› Exam Readiness Zone

Take a practice exam
› Practice Assessment on Microsoft Learn AZ-204

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

Get recognized

› Pass Exam AZ-204 to earn this certification.

Microsoft Certified: Azure Developer Associate

Azure developers participate in all phases of development from requirements definition and design to development, deployment, and maintenance.

Products featured
• Microsoft Azure

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

Get started at aka.ms/AzureCerts_DevOpsEngineer

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.

Prerequisite

Certification option 1
• Azure Administrator Associate

OR

Certification option 2
• Azure Developer Associate

Get trained

Exam study guide
› AZ-400

Self-paced training
› Microsoft Learn

Instructor-led training
› Course AZ-400: Designing and Implementing Microsoft DevOps solutions

Virtual events
› Microsoft Azure Virtual Training Day: DevOps with GitHub

Build confidence

Exam preparation
› Exam Readiness Zone

Take a practice exam
› Practice Assessment on Microsoft Learn AZ-400

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

Get recognized

Pass Exam AZ-400 to earn this certification.

Microsoft Certified: DevOps Engineer Expert

DevOps engineers work with people, processes, and products to enable continuous delivery of value in organizations.

Products featured

• Microsoft Azure

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

Start here

Decide if this is the right certification for you

## This certification is a good fit if your responsibilities include:

- Management, availability, security, and performance monitoring and optimization of database solutions.
- Evaluating and implementing migration strategies for moving databases to Azure.

OR

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

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

### Get trained

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### Build confidence

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### Get recognized

| Pass | Exam DP-300 to earn this certification. |

### Skills measured:

- Plan and implement data platform resources
- Implement a secure environment
- Monitor, configure, and optimize database resources
- Configure and manage automation of tasks
- Plan and configure a high availability and disaster recovery (HA/DR) environment

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

New to data solutions on Azure? Choose Azure data fundamentals training.

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### Products featured

- Microsoft Azure
- Microsoft SQL Server

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

Start here
Decide if this is the right certification for you

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

Brand new? First, master the basics.
New to data solutions on Azure?
Choose Azure data fundamentals training.

Get trained
Exam study guide
¬ DP-203
Self-paced training
¬ Microsoft Learn
Instructor-led training
¬ Course DP-203: Data Engineering on Microsoft Azure
Virtual events
¬ Microsoft Azure Virtual Training Day: Deliver Integrated Analytics with Azure Synapse

Build confidence
Exam preparation
¬ Exam Readiness Zone
Take a practice exam
¬ Practice Assessment on Microsoft Learn DP-203

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

Get recognized
Pass Exam DP-203 to earn this certification.

Apply skills
¬ Cloud Games on Microsoft Learn: Data Feeds

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

Get started at aka.ms/AzureCerts_DataEngineer
The journey to Microsoft Certified: Azure Enterprise Data Analyst Associate

Start here
Decide if this is the right certification for you

Get trained

- Exam study guide
  > DP-500

- Self-paced training
  > Microsoft Learn

- Instructor-led training
  > Course DP-500: Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI

- Virtual events
  > Microsoft Azure Virtual Training Day: Deliver Integrated Analytics with Azure Synapse

Build confidence

- Exam preparation
  > Exam Readiness Zone

- Take a practice exam
  > Microsoft Official Practice Test DP-500

- Skills measured:
  - Implement and manage a data analytics environment
  - Query and transform data
  - Implement and manage data models
  - Explore and visualize data

Get recognized

- Pass Exam DP-500 to earn this certification.

Apply skills

- Cloud Games on Microsoft Learn: Data Feeds

Brand new? First, master the basics.

New to data solutions on Azure?
Choose Azure data fundamentals training.

Make sure your skills are up to date.

Need to update your skills in data analytics?
Choose Microsoft Power BI data analyst training.

Products featured

- Microsoft Power BI

Get started at aka.ms/AzureCerts_EnterpriseDataAnalyst

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

Start here
Decide if this is the right certification for you

Get trained

- Exam study guide
  - DP-420

- Self-paced training
  - Microsoft Learn

- Instructor-led training
  - Course DP-420: Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB

- Virtual events
  - Microsoft Azure Virtual Training Day: Cloud-Native Apps

Build confidence

- Exam preparation
  - Exam Readiness Zone

- Take a practice exam
  - Microsoft Official Practice Test DP-420

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

Get recognized

- Pass 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.

Brand new? First, master the basics.

New to data solutions on Azure?
Choose Azure data fundamentals training.

Products featured

- Microsoft Azure

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

Get started at aka.ms/AzureCerts_AIEngineer

Start here
Decide if this is the right certification for you

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.

Get trained

- Exam study guide
  - AI-102

- Self-paced training
  - Microsoft Learn

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

Build confidence

- Exam preparation
  - Exam Readiness Zone

- Take a practice exam
  - Practice Assessment on Microsoft Learn AI-102

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

Get recognized

- Pass Exam AI-102 to earn this certification.

Brand new? First, master the basics.

New to AI or Al on Azure?
Choose Azure AI fundamentals training.

Products featured
- Microsoft Azure

Microsoft Certified: Azure AI Engineer Associate

Azure AI engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.

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

Start here
Decide if this is the right certification for you

Get trained
- Exam study guide
  - DP-100
- Self-paced training
  - Microsoft Learn
- Instructor-led training
  - Course DP-100: Designing and Implementing a Data
  - Course DP-090: Implementing a Machine Learning Solution with Microsoft Azure Databricks

Build confidence
- Exam preparation
  - Exam Readiness Zone
- Take a practice exam
  - Practice Assessment on Microsoft Learn DP-100

Skills measured:
- Design and prepare a machine learning solution
- Explore data and train models
- Prepare a model for deployment
- Deploy and retrain a model

Get recognized
- Pass Exam DP-100 to earn this certification.

Apply skills
- Cloud Games on Microsoft Learn: Data Feeds

Products featured
- Microsoft Azure

Brand new? First, master the basics.
New to AI or AI on Azure? Choose Azure AI fundamentals training.

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.

Microsoft Certified: Azure Data Scientist Associate
Azure data scientists apply data science and machine learning to implement and run machine learning workloads on Azure.
Resources

- Microsoft Learn
  Microsoft.com/Learn

- Practice Assessments on Microsoft Learn
  https://aka.ms/practiceassessments

- Microsoft Learning Partners
  aka.ms/LearningPartners

- Microsoft Learn support
  aka.ms/LearnFAQ

- Azure certifications poster
  aka.ms/AzureCerts_Poster

- Certification support
  aka.ms/MCPForum

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