Microsoft

Microsoft Azure training and certifications

aka.ms/AzureTrainCertDeck

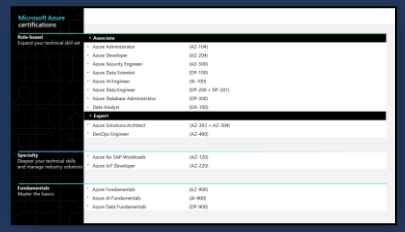
Welcome to Azure training and certifications

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

This guide has been created to provide training and certification options to achieve personal success.

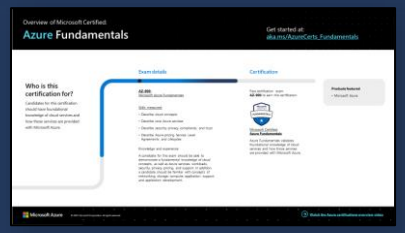
How to use this deck

The following resources will prepare you for the learning experience.



Certification portfolio

Available certifications and associated exams in portfolio.

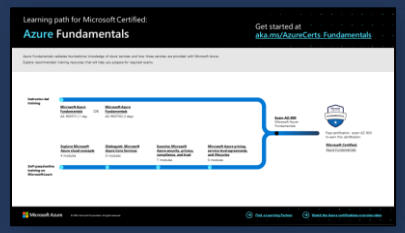


Certification overview

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.

Microsoft Azure certifications

*Exam in beta
**Beta exam coming soon

Role-based
Expand your technical skill set

Associate

- Azure Administrator (AZ-104)
- Azure Developer (AZ-204)
- Azure Security Engineer (AZ-500)
- Azure Stack Hub Operator (AZ-600)*
- Azure Data Scientist (DP-100)
- Azure AI Engineer (AI-102)*
- Azure Data Engineer (DP-203)*
- Azure Database Administrator (DP-300)
- Data Analyst (DA-100)

Expert

- Azure Solutions Architect (AZ-303 + AZ-304)
- DevOps Engineer (AZ-400)

Specialty
Deepen your technical skills and manage industry solutions

- Azure for SAP Workloads (AZ-120)
- Windows Virtual Desktop (AZ-140)**
- Azure IoT Developer (AZ-220)

Fundamentals
Master the basics

- Azure Fundamentals (AZ-900)
- Azure AI Fundamentals (AI-900)
- Azure Data Fundamentals (DP-900)

Overview of Microsoft Certified:

Azure Fundamentals

Get started at:
aka.ms/AzureCerts_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

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The journey to Microsoft Certified:

Azure Fundamentals

Get started at
aka.ms/AzureCerts_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.

AND

- You want to demonstrate a fundamental knowledge of cloud concepts, as well as Azure services, workloads, security, privacy, pricing, and support.

Upskill with recommended training and experience

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

- Microsoft Official Practice Test AZ-900

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.

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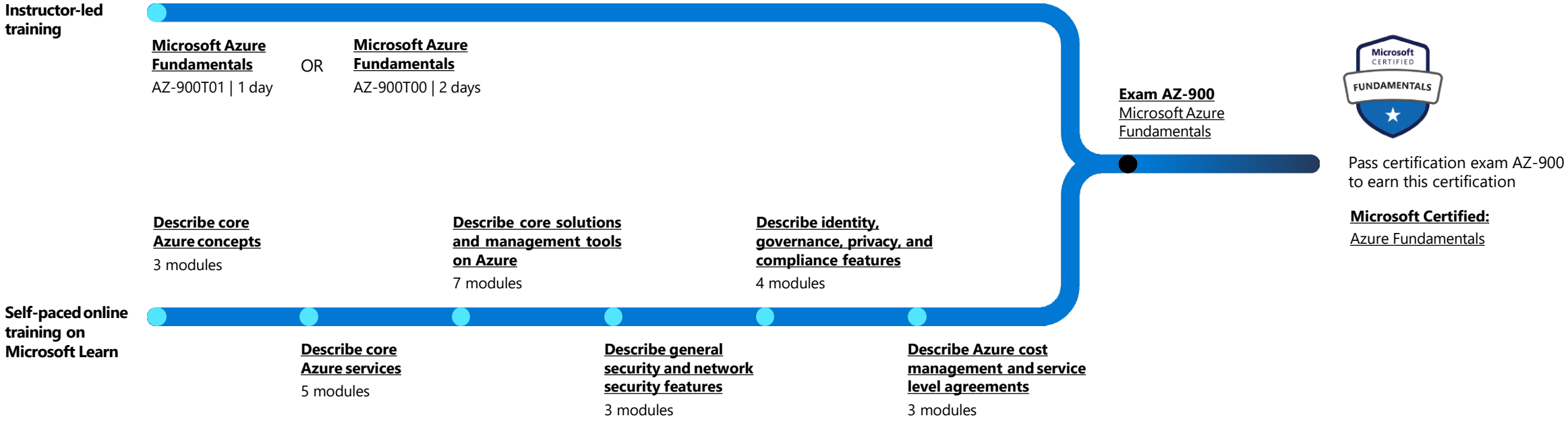
Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure Fundamentals

Get started at
aka.ms/AzureCerts_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.



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Overview of Microsoft Certified:

Azure Data Fundamentals

Get started at:
aka.ms/AzureCerts_DataFundamentals

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

Microsoft Azure

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Watch the Azure certifications overview video

The journey to Microsoft Certified:

Azure Data Fundamentals

Get started at
aka.ms/AzureCerts_DataFundamentals

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 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.

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

Exam DP-900
Microsoft Azure Data Fundamentals

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.

Brand new? First, master the basics.

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

Microsoft Azure

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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

Microsoft Azure

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Find a Learning Partner

Watch the Azure certifications overview video

Overview of Microsoft Certified:

Azure AI Fundamentals

Get started at:
aka.ms/AzureCerts_AIFundamentals

Who is this certification for?

Candidates for this certification should have foundational knowledge of machine learning (ML) and artificial intelligence (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 Artificial Intelligence 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 artificial intelligence concepts and related Microsoft Azure services.

Products featured

- Microsoft Azure

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The journey to Microsoft Certified:

Azure AI Fundamentals

Get started at
aka.ms/AzureCerts_AIFundamentals

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 Artificial Intelligence (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

Microsoft Certified:
Azure AI Fundamentals

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

Brand new? First, master the basics.

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

Microsoft Azure

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Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure AI Fundamentals

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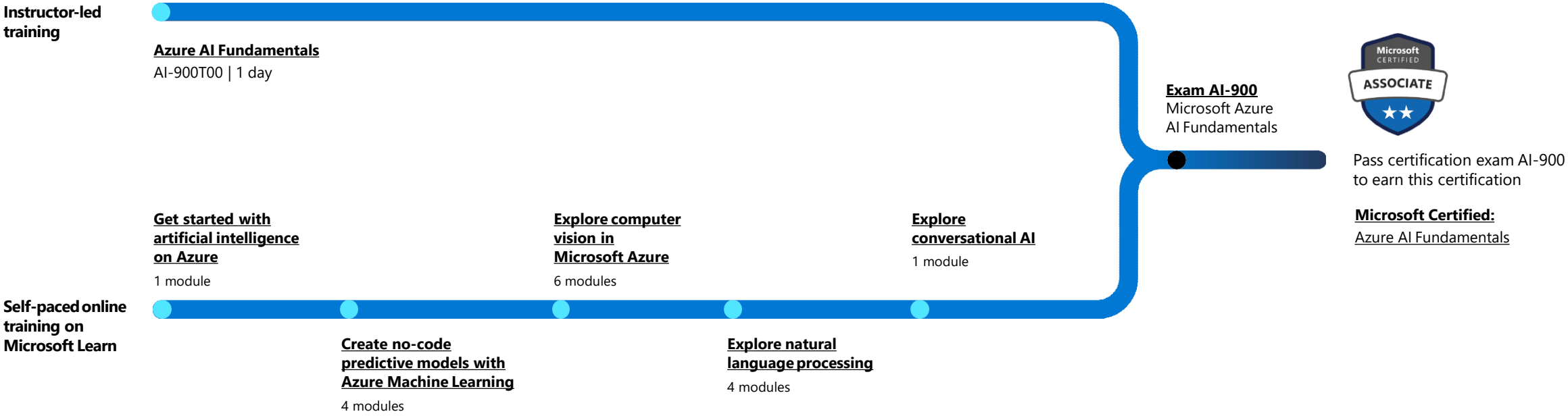

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Overview of Microsoft Certified:

Azure Administrator Associate

Get started at:
aka.ms/AzureCerts_Admin

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

Microsoft Azure

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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

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:

- Implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment.
- Provisioning, sizing, monitoring, and adjusting resources when needed.

OR

If you already have or are 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.

Skills outline guide

- AZ-104

Self-paced online learning
Microsoft Learn

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

OR

Course AZ-010T00: Azure Administrator for AWS SysOps

Additional resources

- Microsoft Docs
- Azure Architecture Center
- Microsoft Azure Well-Architected Framework

- Microsoft Official Practice Test AZ-104

Exam AZ-104
Microsoft Azure Administrator

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

Microsoft Azure

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Watch the Azure certifications overview video

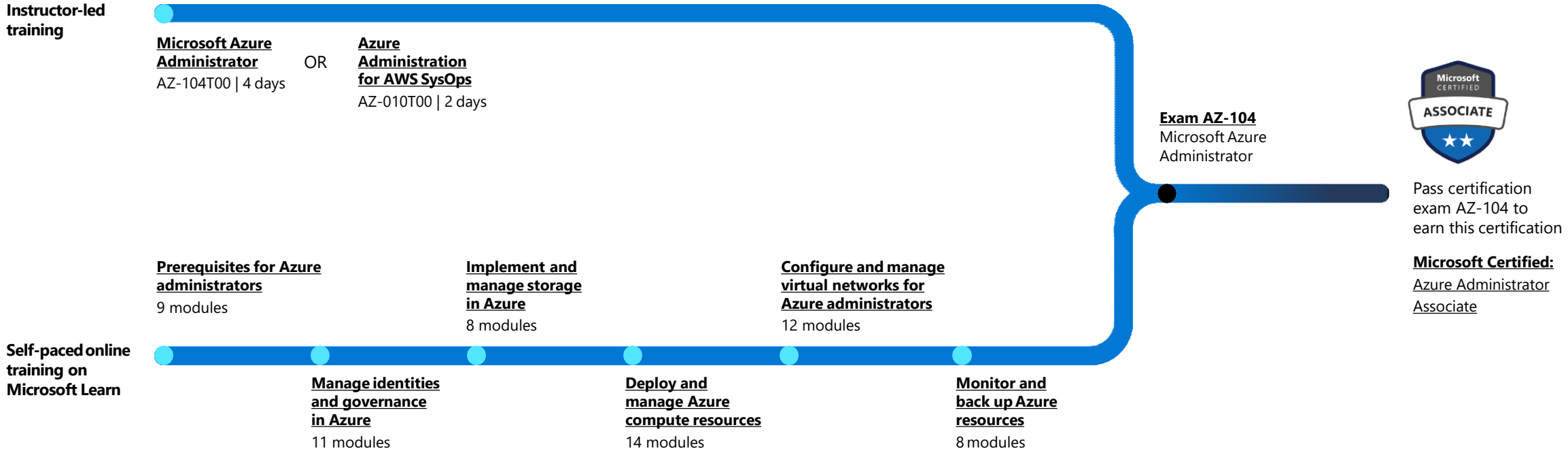
Learning path for Microsoft Certified:

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.



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Overview of Microsoft Certified:

Azure Security Engineer Associate

Get started at:
aka.ms/AzureCerts_SecurityEngineer

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

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The journey to Microsoft Certified:

Azure Security Engineer Associate

Get started at
aka.ms/AzureCerts_SecurityEngineer

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:

- 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

Self-paced online learning
Microsoft Learn

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

Additional resources

- Microsoft Docs
- Azure Architecture Center

- Microsoft Official Practice Test AZ-500

Exam AZ-500
Microsoft Azure Security Technologies

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

First, make sure your skills are up to date.

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

Microsoft Azure

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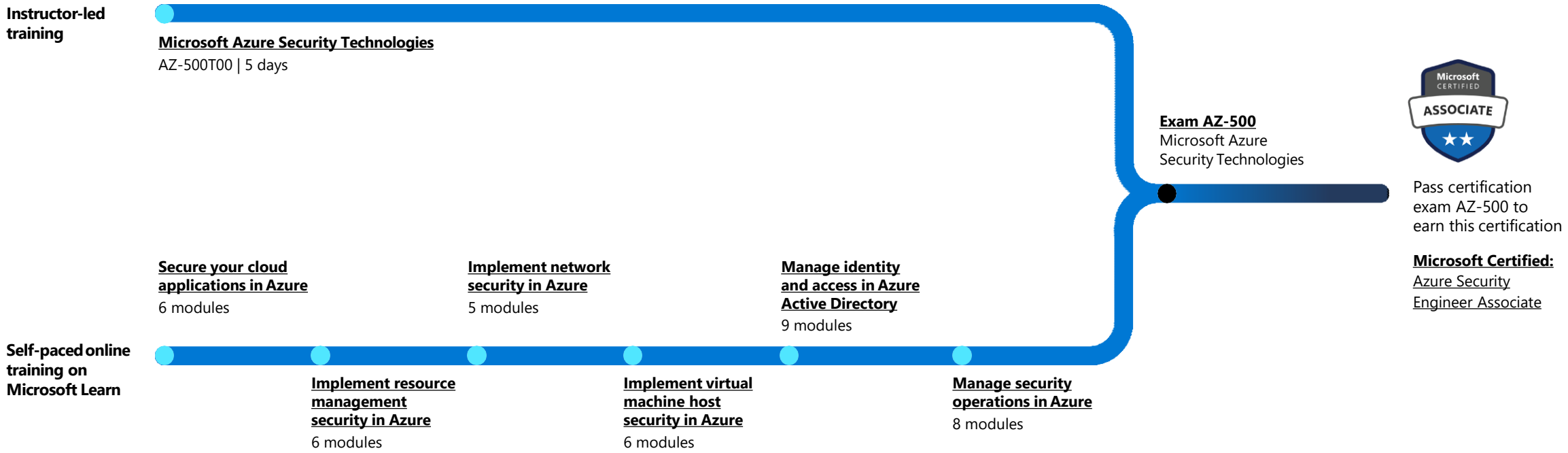
Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure Security Engineer Associate

Get started at
aka.ms/AzureCerts_SecurityEngineer

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.



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Overview of Microsoft Certified:

Azure for SAP Workloads Specialty

Get started at:
aka.ms/AzureCerts_SAPWorkloads

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 long-term operation of an SAP solution on Microsoft Azure. Responsibilities include making recommendations on services and adjust 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, ARM 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

Microsoft Azure

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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

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

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.

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 Azure

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Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure for SAP Workloads Specialty

Get started at
aka.ms/AzureCerts_SAPWorkloads

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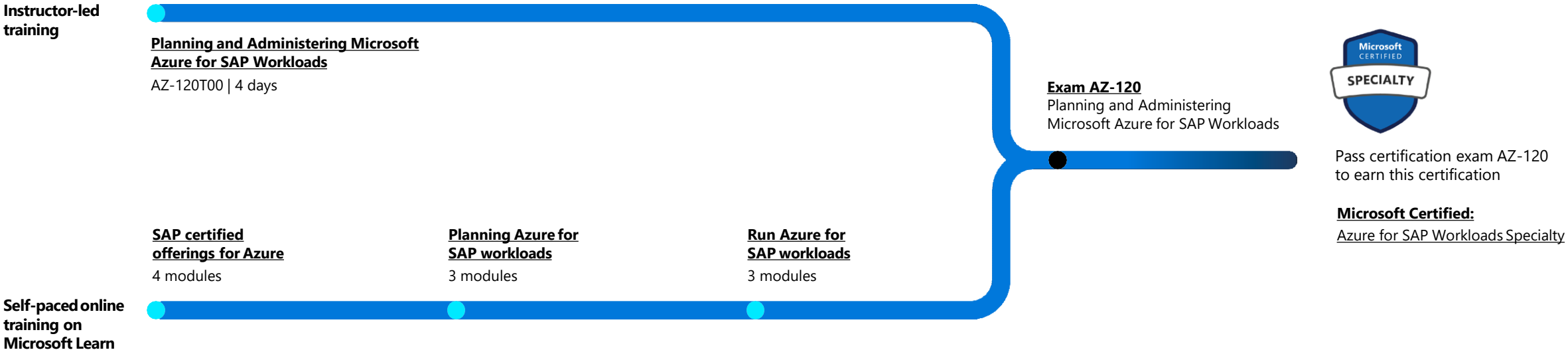

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Overview of Microsoft Certified:

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

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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.

Earn one prerequisite certification

Azure Administrator Associate

OR

Azure Developer Associate

Upskill with recommended training and experience

Skills outline guide

- AZ-400

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AZ-400T00-A: Designing and Implementing Microsoft DevOps solutions

Additional resources

- Microsoft Docs
- Azure Architecture Center

Take a practice exam

- Microsoft Official Practice Test AZ-400

Pass required exam to earn your certification

Exam AZ-400
Designing and Implementing Microsoft DevOps solutions

Microsoft Certified:
DevOps Engineer Expert

DevOps Engineers work with people, processes, and technologies to continuously deliver business value.

Continue to grow

Explore these resources next

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

Microsoft Azure

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Watch the Azure certifications overview video

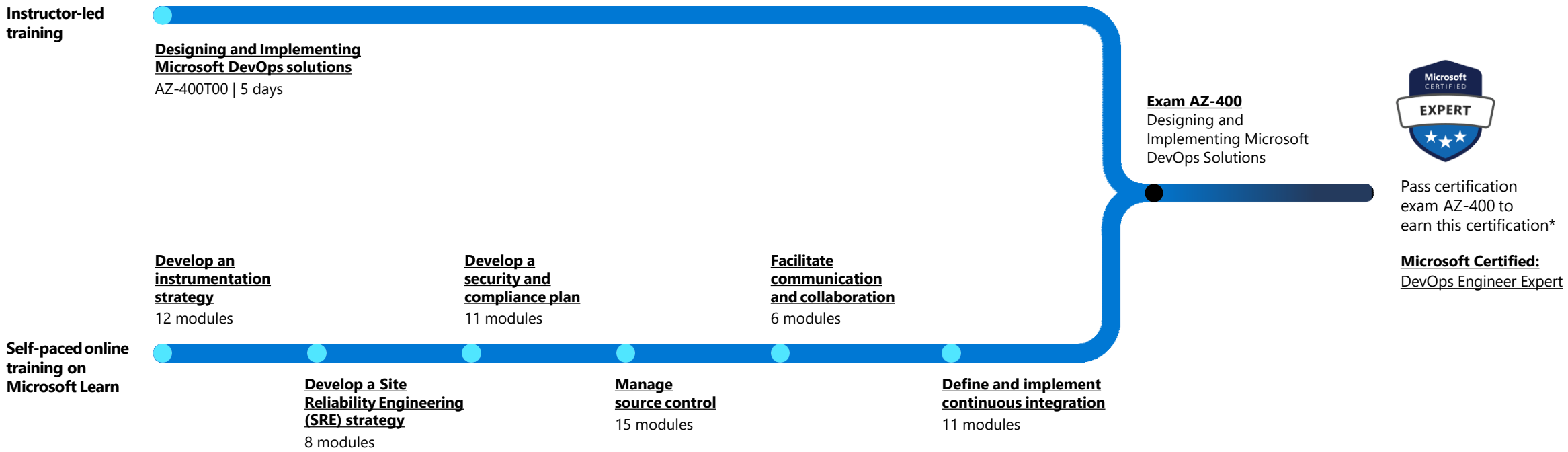
Learning path for Microsoft Certified:

DevOps Engineer Expert

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.



*As a prerequisite for this certification, earn either the Azure Administrator Associate or the Azure Developer Associate certification

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Overview of Microsoft Certified:

Azure Solutions Architect Expert

Get started at:
aka.ms/AzureCerts_SolutionsArchitect

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

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.

Products featured

- Microsoft Azure

Microsoft Azure

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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 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.

Upskill with recommended training and experience

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-030T00 Microsoft Azure Technologies for AWS Architects

+

Course AZ-304T00 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

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

Microsoft Azure

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Watch the Azure certifications overview video

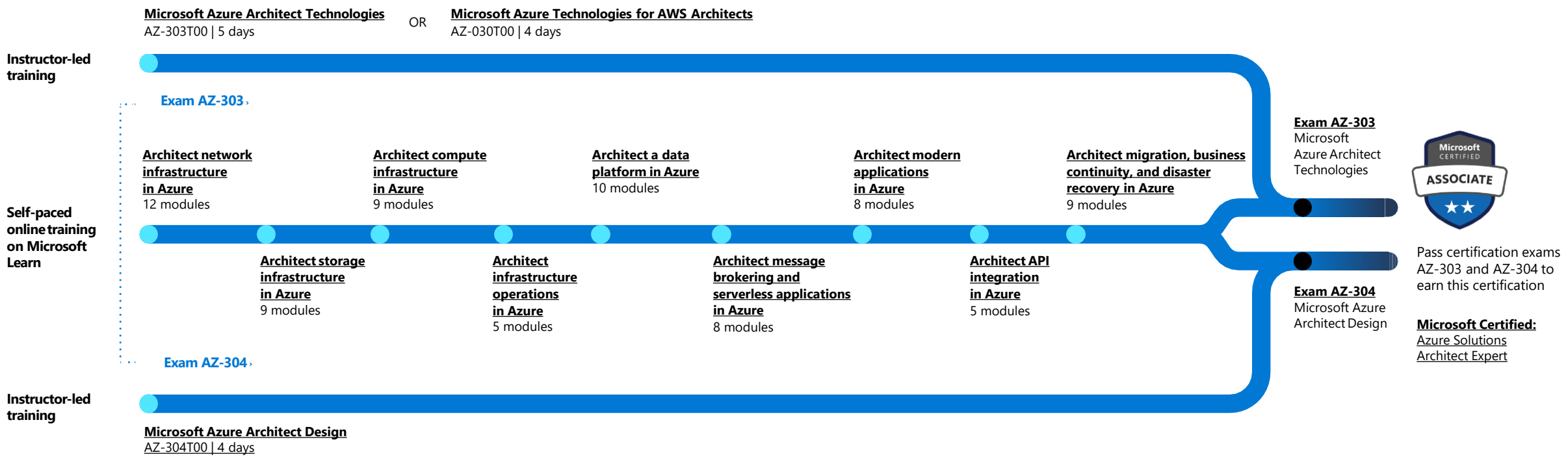
Learning path for Microsoft Certified:

Azure Solutions Architect Expert

Get started at
aka.ms/AzureCerts_SolutionsArchitect

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.



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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, and 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 1-2 years professional development experience and experience with Microsoft Azure. In addition, have ability programming in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, 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

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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

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 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.

Skills outline guide

- AZ-204

Self-paced online learning
Microsoft Learn

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

OR

Course AZ-020T00: Microsoft Azure Solutions for AWS Developers

Additional resources

- Microsoft Docs
- Azure Developer Guide
- Azure Architecture Center

- Microsoft Official Practice Test AZ-204

Exam AZ-204
Developing Solutions for Microsoft Azure

Microsoft Certified:
Azure Developer Associate

Azure Developers design, build, test, and maintain cloud applications and services.

Explore these resources next

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

Microsoft Azure

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Watch the Azure certifications overview video

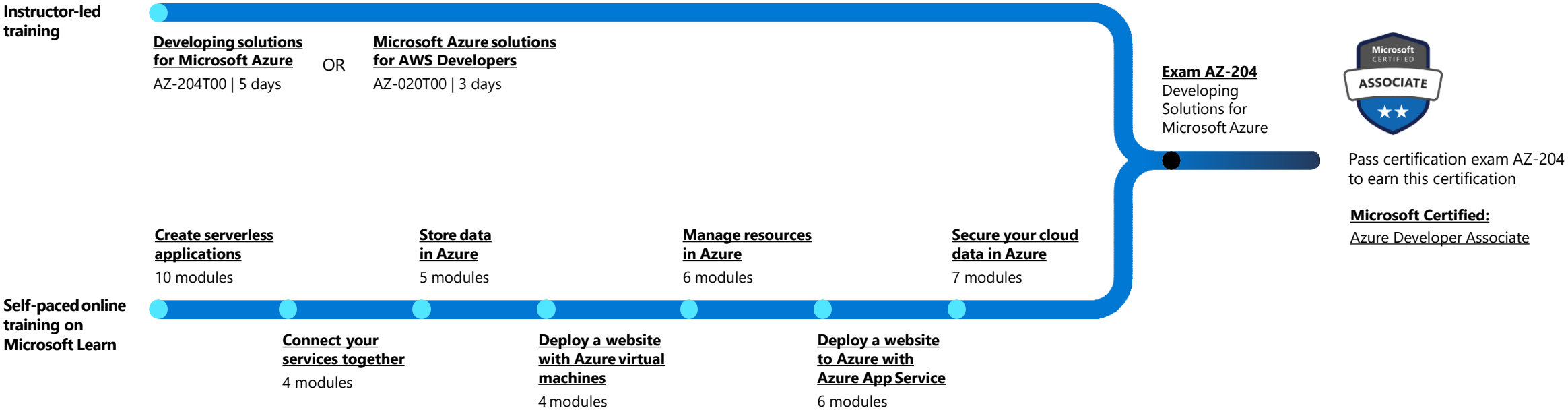
Learning path for Microsoft Certified:

Azure Developer Associate

Get started at
aka.ms/AzureCerts_Developer

Azure Developers design, build, test, and maintain cloud applications and services.

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



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Overview of Microsoft Certified:

Azure IoT Developer Specialty

Get started at:
aka.ms/AzureCerts_IoTDev

Who is this certification for?

Candidates for this certification should have subject matter expertise developing cloud and edge components of an Azure IoT solution. Responsibilities for this role include managing the device lifecycle–set up, 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:

- Implement the IoT solution infrastructure
- Provision and manage devices
- Implement Edge
- Process and manage data
- Monitor, troubleshoot, and optimize IoT solutions
- Implement security

Knowledge and experience:

A candidate for this exam should have experience implementing the Azure services that form an IoT solution, including data storage options, data analysis, data processing, and platform-as-a-service options. A candidate should also be able to recognize Azure IoT service configuration settings within the code portion of an IoT solution and perform specific IoT coding tasks in at least one Azure-supported language, including C#, Node, C, or Python.

Certification

Pass certification exam **AZ-220** to earn this certification

Microsoft Certified:
Azure IoT Developer Specialty

Azure IoT Developers develop cloud and edge components of an Azure IoT solution.

Products featured

- Microsoft Azure

Microsoft Azure

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Watch the Azure certifications overview video

The journey to Microsoft Certified:

Azure IoT Developer Specialty

Get started at
aka.ms/AzureCerts_IoTDev

Start here
Decide if this is the right certification for you

This certification is a good fit if your responsibilities include:

- Managing the device lifecycle–set up, 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.

Brand new? First, master the basics.

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

Explore this resource next

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

Take a practice exam

Microsoft Official Practice Test AZ-220

Pass required exam to earn your certification

Exam AZ-220
Microsoft Azure IoT Developer

Microsoft Certified:
Azure IoT Developer Specialty

Azure IoT Developers develop cloud and edge components of an Azure IoT solution.

Continue to grow

Explore this resource next

- AI edge engineer learning path

Microsoft Azure

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Watch the Azure certifications overview video

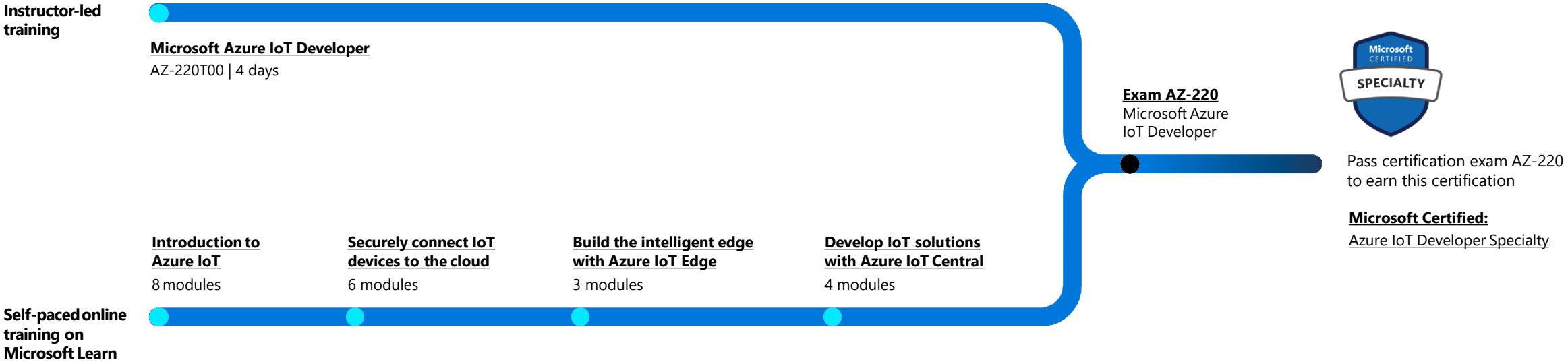
Learning path for Microsoft Certified:

Azure IoT Developer Specialty

Get started at
aka.ms/AzureCerts.IoTDev

Azure IoT Developers develop cloud and edge components of an Azure IoT solution.

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



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Overview of Microsoft Certified:

Azure Database Administrator Associate

Get started at:
aka.ms/AzureCerts_DatabaseAdmin

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 and 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

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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

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

Upskill with recommended training and experience

Skills outline guide

- DP-300

Self-paced online learning
Microsoft Learn

Instructor-led training
Course DP-300T00
Administering Relational Databases on Microsoft Azure

Additional resources

- Microsoft Docs
- Azure Architecture Center

Pass required exam to earn your certification

Exam DP-300
Administering Relational Databases on Microsoft Azure

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.

Continue to grow

Explore these resources next

Self-paced online learning

- Migrate SQL workloads to Azure

Instructor-led training

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

Microsoft Azure

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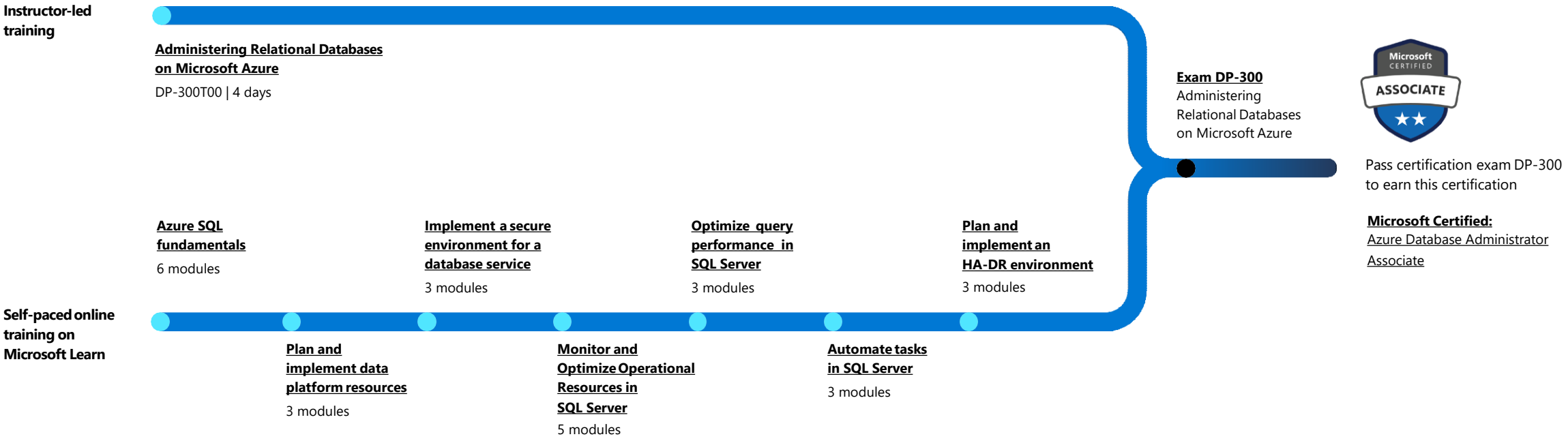
Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure Database Administrator Associate

Get started at
aka.ms/AzureCerts_DatabaseAdmin

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.



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Overview of Microsoft Certified:

Azure Data Engineer Associate

Get started at:
aka.ms/AzureCerts_DataEngineer

Who is this certification for?

Candidates for this certification should have subject matter expertise supporting business needs by designing and implementing the management, monitoring, security, and privacy of data solutions using the full stack of Microsoft Azure data services to satisfy business needs. Responsibilities for this role include designing and implementing Azure data storage solutions that use relational and non-relational data stores, batch and real-time data processing solutions, and data security and compliance solutions.

Exam details

DP-200:
Implementing an Azure Data Solution

Skills measured:

- Implement data storage solutions
- Manage and develop data processing
- Monitor and optimize data solutions

Knowledge and experience:

A candidate for this exam should be able to implement data solutions that use various Azure services like Cosmos DB, Azure SQL Database, Synapse Analytics, Data Lake Storage, Data Factory, Stream Analytics, Databricks, and Blob storage.

DP-201:
Designing an Azure Data Solution

Skills measured:

- Design Azure data storage solutions
- Design data processing solutions
- Design for data security and compliance

Knowledge and experience:

A candidate for this exam should be able to design data solutions that use various Azure services like Cosmos DB, Azure SQL Database, Synapse Analytics, Data Lake Storage, Data Factory, Stream Analytics, Databricks, and Blob storage.

Certification

Pass certification exams **DP-200** and **DP-201** to earn this certification

Microsoft Certified:
Azure Data Engineer Associate

Azure Data Engineers design and implement the management, monitoring, security, and privacy of data solutions using the full stack of Microsoft Azure data services.

Products featured

- Microsoft Azure

Microsoft Azure

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Watch the Azure certifications overview video

The journey to Microsoft Certified:

Azure Data Engineer Associate

Get started at
aka.ms/AzureCerts_DataEngineer

Start here
Decide if this is the right certification for you

Upskill with recommended training and experience

Take practice exams

Pass required exams to earn your certification

Continue to grow

This certification is a good fit if your responsibilities include:

- Provisioning data storage services.
- Ingesting streaming and batch data, and transforming data.
- Implementing security requirements and data retention policies.
- Identifying performance bottlenecks.
- Accessing external data sources.

OR

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

- MCSA: Data Engineering with 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.

Skills outline guides

- DP-200
- DP-201

Self-paced online learning
Microsoft Learn

Instructor-led training
Course DP-200T01: Implementing an Azure Data Solution

+

Course DP-201T01-A: Designing an Azure Data Solution

Additional resources

- Microsoft Docs
- Azure Architecture Center

- Microsoft Official Practice Test DP-200
- Microsoft Official Practice Test DP-201

Exam DP-200
Implementing an Azure Data Solution

Exam DP-201
Designing an Azure Data Solution

Microsoft Certified:
Azure Data Engineer Associate

Azure Data Engineers design and implement the management, monitoring, security, and privacy of data solutions using the full stack of Microsoft Azure data services.

Explore these resources next

Self-paced online learning

- Migrate SQL workloads to Azure
- Migrating open-source workloads to Azure
- Migrating Cassandra and MongoDB workloads to Cosmos DB

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

Microsoft Azure

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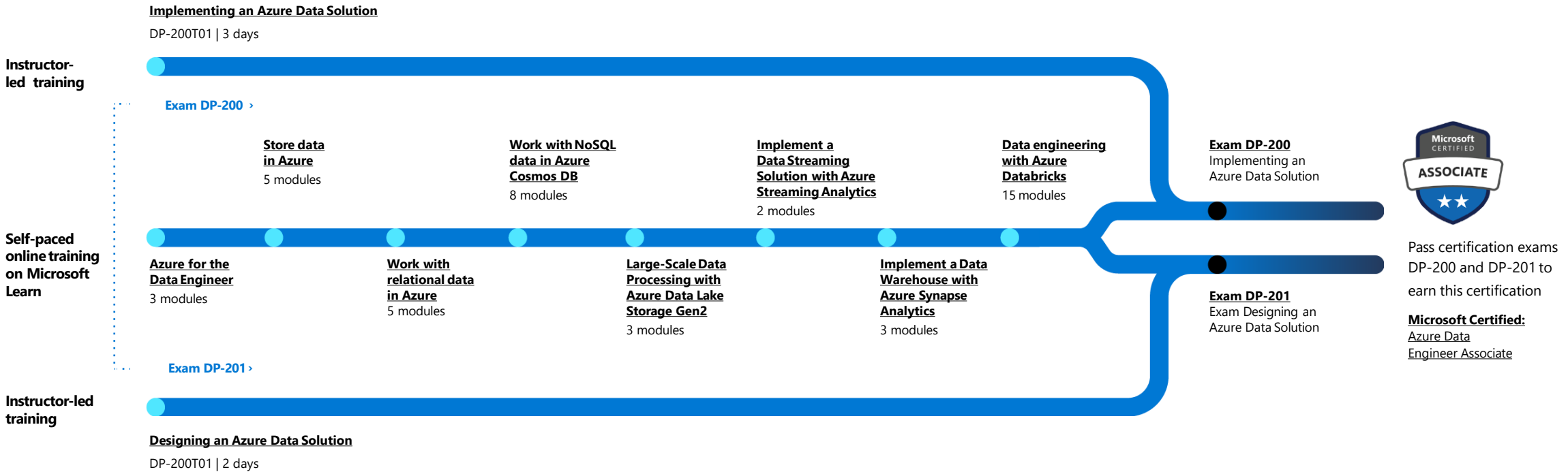
Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure Data Engineer Associate

Get started at
aka.ms/AzureCerts_DataEngineer

Azure Data Engineers design and implement the management, monitoring, security, and privacy of data solutions using the full stack of Microsoft Azure data services. Explore recommended training resources that will help you prepare for required exams.



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Overview of Microsoft Certified:

Data Analyst Associate

Get started at:
aka.ms/AzureCerts_DataAnalyst

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

Microsoft Azure

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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

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

Upskill with recommended training and experience

Skills outline guides

- DA-100

Self-paced online learning
Microsoft Learn

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

Additional resources

- Microsoft Docs

Pass required exam to earn your certification

Exam DA-100
Analyzing Data with Microsoft Power BI

Microsoft Certified:
Data Analyst Associate

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

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 Azure

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Watch the Azure certifications overview video

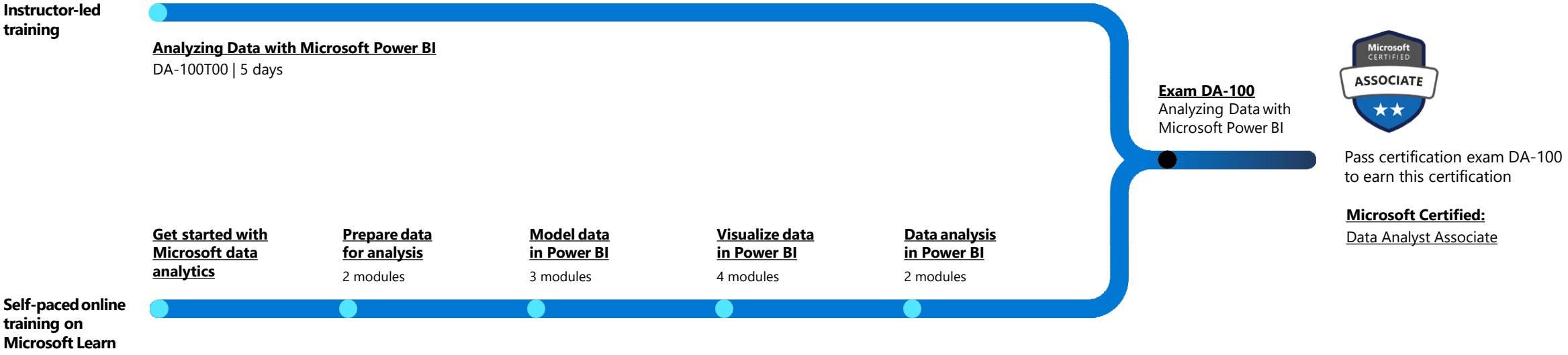
Learning path for Microsoft Certified:

Data Analyst Associate

Get started at aka.ms/AzureCerts_DataAnalyst

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.



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Overview of Microsoft Certified:

Azure AI Engineer Associate

Get started at:
aka.ms/AzureCerts_AIEngineer

Who is this certification for?

Candidates for this certification should have subject matter expertise using cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI.. Responsibilities for this role include analyzing requirements for AI solutions, recommending the appropriate tools and technologies, and designing and implementing AI solutions that meet scalability and performance requirements.

Exam details

AI-100:
Designing and Implementing an Azure AI Solution

Skills measured:

- Analyze solution requirements
- Design AI solutions
- Implement and monitor AI solutions

Knowledge and experience:

A candidate for this exam should have knowledge and experience designing and implementing AI apps and agents that use Microsoft Azure Cognitive Services, Azure Bot Service, Azure Cognitive Search, and data storage
in Azure. In addition, a candidate should be able to recommend solutions that use open source technologies, understand the components that make up the Azure AI portfolio and the available data storage options, and understand when a custom API should be developed to meet specific requirements.

Certification

Pass certification exam **AI-100** to earn this certification

Microsoft Certified:
Azure AI Engineer Associate

Azure AI Engineers use cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI.

Products featured

- Microsoft Azure

Microsoft Azure

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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

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:

- Analyzing requirements for AI solutions and recommending appropriate tools and technologies.
- Designing and implementing AI solutions that meet scalability and performance requirements.

Skills outline guide

- AI-100

Self-paced online learning
Microsoft Learn

Instructor-led training
Course AI-100T01: Designing and Implementing an Azure AI Solution

Additional resources

- Microsoft Docs
- Azure Developer Guide
- Azure Architecture Center

Exam AI-100
Designing and Implementing an Azure AI Solution

Microsoft Certified:
Azure AI Engineer Associate

Azure AI Engineers use cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI.

Explore these resources next

- Machine learning crash course
- AI Business School

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.

Microsoft Azure

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Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure AI Engineer Associate

Get started at
aka.ms/AzureCerts_AIEngineer

Azure AI Engineers use cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI. Explore recommended training resources that will help you prepare for required exams.

Instructor-led training

Designing and Implementing an Azure AI Solution
AI-100T01 | 3 days

Self-paced online training on Microsoft Learn

Evaluate text with Azure Cognitive Language Services
3 modules

Process and Translate Speech with Azure Cognitive Speech Services
3 modules

Create Intelligent Bots with the Azure Bot Service
1 module

Process and classify images with the Azure Cognitive Vision Services
4 modules

Exam AI-100
Designing and Implementing an Azure AI Solution

Pass certification exam AI-100 to earn this certification

Microsoft Certified:
Azure AI Engineer Associate

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Overview of Microsoft Certified:

Azure Data Scientist Associate

Get started at:
aka.ms/AzureCerts_DataScientist

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 train 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

Microsoft Azure

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Watch the Azure certifications overview video

The journey to Microsoft Certified:

Azure Data Scientist Associate

Get started at
aka.ms/AzureCerts_DataScientist

Start here
Decide if this is the right certification for you

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.

Upskill with recommended training and experience

Skills outline guide

- DP-100

Self-paced online learning
Microsoft Learn

Instructor-led training
Course DP-100T01: Designing and Implementing a Data

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

Microsoft Certified:
Azure Data Scientist Associate

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

Continue to grow

Explore these resources next

- AI Business School

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.

Microsoft Azure

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Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure Data Scientist Associate

Get started at
aka.ms/AzureCerts_DataScientist

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.

Instructor-led training

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

Self-paced online training on Microsoft Learn

Create machine learning models
5 modules

Create no-code predictive models with Azure Machine Learning
4 modules

Build AI solutions with Azure Machine Learning
12 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

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Overview of Microsoft Certified:

Azure AI Engineer Associate

Get started at:
aka.ms/AzureCerts_AIEngineer

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

Azure AI Engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework.

Products featured

- Microsoft Azure

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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.

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.

Upskill with recommended training and experience

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

Pass required exam to earn your certification

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

Microsoft Certified
ASSOCIATE

Microsoft Certified:
Azure AI Engineer Associate

Azure AI Engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework.

Continue to grow

Explore these resources next

- Create machine learning models
- AI Business School

Microsoft Azure

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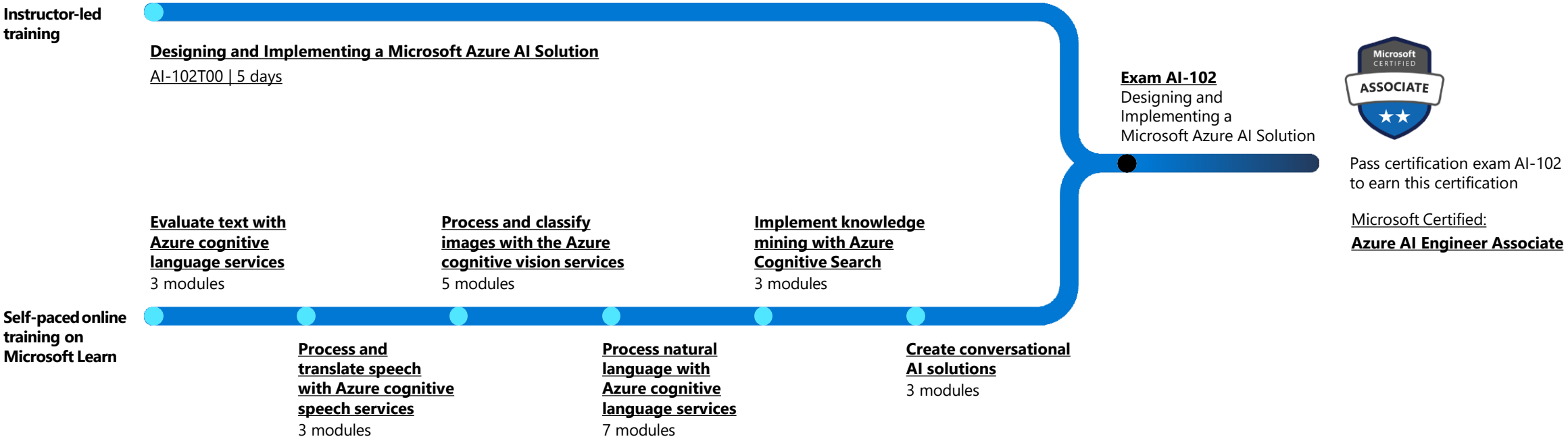
Watch the Azure certifications overview video

Learning path for Microsoft Certified:

Azure AI Engineer Associate

Get started at
aka.ms/AzureCerts_AIEngineer

Azure AI Engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework.



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Overview of Microsoft Certified:

Azure Data Engineer Associate

Get started at:
aka.ms/AzureCerts_DataEngineer

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. This professional uses 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

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Watch the Azure certifications overview video

The journey to Microsoft Certified:

Azure Data Engineer Associate

Get started at
aka.ms/AzureCerts_DataEngineer

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 the cloud or Azure?
Choose Azure Fundamentals training.

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

Upskill with recommended training and experience

Skills outline guides

- DP-203

Self-paced online learning
Microsoft Learn

Instructor-led training
Course DP-203T00: Designing and Implementing a Microsoft Azure AI Solution (coming soon)

Additional resources

- Microsoft Docs
- Azure Architecture Center

Pass required exams to earn your certification

Exam DP-203
Data Engineering on Microsoft Azure

Microsoft Certified:
Azure Data Engineer Associate

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Continue to grow

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

Microsoft Azure

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Learning path for Microsoft Certified:

Azure Data Engineer Associate

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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

Store data in Azure
5 modules

Data integration at scale with Azure Data Factory or Azure Synapse Pipeline
7 modules

Integrated Analytical Solutions with Azure Synapse Analytics
4 modules

Work with Data Warehouses using Azure Synapse Analytics
7 modules

Build data analytics solutions using Azure Synapse serverless SQL pools
6 modules

Perform data engineering with Azure Synapse Apache Spark Pools
5 modules

Work with Hybrid Transactional and Analytical Processing Solutions
4 modules

Data engineering with Azure Databricks
15 modules

Large-Scale Data Processing with Azure Data Lake Storage Gen2
3 modules

Implement a Data Streaming Solution with Azure Streaming Analytics
2 modules

DP-203
Data Engineering on Microsoft Azure

Pass certification exam DP-203 to earn this certification

Microsoft Certified:
Azure Data Engineer Associate

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Resources

Microsoft Learn
Microsoft.com/Learn

Microsoft practice tests
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