



# Microsoft Azure Training and Certifications



Microsoft  
Partner



2022 Partner of the Year Winner  
Learning Award

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

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[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

[AZ-104](#)



Choose additional paths that best fit your role and projects

**Implement and manage secure cloud solutions**

Azure security engineer

[AZ-500](#)



**Manage SAP solutions on Azure**

Azure for SAP workloads

[AZ-120](#)



**Implement and manage networking solutions**

Azure network engineer

[AZ-700](#)



**Bring cloud agility on-premises**

Azure Stack Hub operator

Delivered only by Microsoft Learning Partners

[AZ-600](#)

**Deliver virtual desktop experiences and remote apps on Azure**

Azure Virtual Desktop administrator

[AZ-140](#)

**Troubleshoot networking and connectivity issues in Azure**

Azure support engineer for connectivity

Instructor-led training coming soon

[AZ-720](#)

## Master the basics

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

Azure fundamentals

[AZ-900](#)

**New to Azure administration**

[Prerequisites for Azure administrators](#)

# 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

[AZ-800](#)

[AZ-801](#)

Choose additional paths that best fit your role and projects

**Implement, manage, and monitor cloud solutions**

Azure administrator

[AZ-104](#)

**Deliver virtual desktop experiences and remote apps on Azure**

Azure Virtual Desktop administrator

[AZ-140](#)

## Master the basics

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

Azure fundamentals

[AZ-900](#)

**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

[AZ-104](#)

Choose additional paths that best fit your role and projects

**Deliver continuous value integrating people, processes, and technologies**

DevOps engineer

[AZ-400](#)

**Design and implement end-to-end cloud solutions**

Azure solutions architect

[AZ-305](#)

## 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

Grow in role

## Start here

**Design, build, test, and maintain cloud apps**

Azure developer

[AZ-204](#)

Choose additional paths that best fit your role and projects

**Build, manage, and deploy AI solutions**

Azure AI engineer

[AI-102](#)

**Develop cloud and edge IoT solutions**

Azure IoT developer

[AZ-220](#)

**Develop cloud-native apps that store and manage data**

Azure Cosmos DB developer

[DP-420](#)

**Deliver continuous value integrating people, processes, and technologies**

DevOps engineer

[AZ-400](#)

**Migrate data to the cloud**

Delivered only by Learning Partners

[DP-050](#)

[DP-060](#)

[DP-070](#)

## 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](#)

# 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](#)

**Migrate data to the cloud**

Delivered only by Learning Partners

[DP-050](#)

[DP-060](#)

[DP-070](#)

**Build, train, and deploy machine learning models**

Azure data scientist

[DP-100](#)

[DP-090](#)

## 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](#)

# Training journey for Data Analysts

Grow in role

Start here

Maximize the value of data assets  
with advanced analytics

Power BI data analyst

[PL-300](#)

Build enterprise-scale data  
analytics solutions

Azure Enterprise data analyst

[DP-500](#)

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 Microsoft Power Platform

Microsoft Power Platform Fundamentals

[PL-900](#)

# Getting Started

Grow your technical skills through bespoke Microsoft Skilling solutions

Take advantage of a free Learning Consultation with our Experts and experience the value of Instructor-led Microsoft Azure Skilling with a complimentary 2-Hour Private Group Training for your team.



## Customizable

Flexibility to customize the training agenda as required



## Learn from Industry Experts

Highest quality learning from top-rated Microsoft Certified Trainers



## Skilling Plan

Get support on comprehensive Microsoft Skilling Plans tailored to your needs

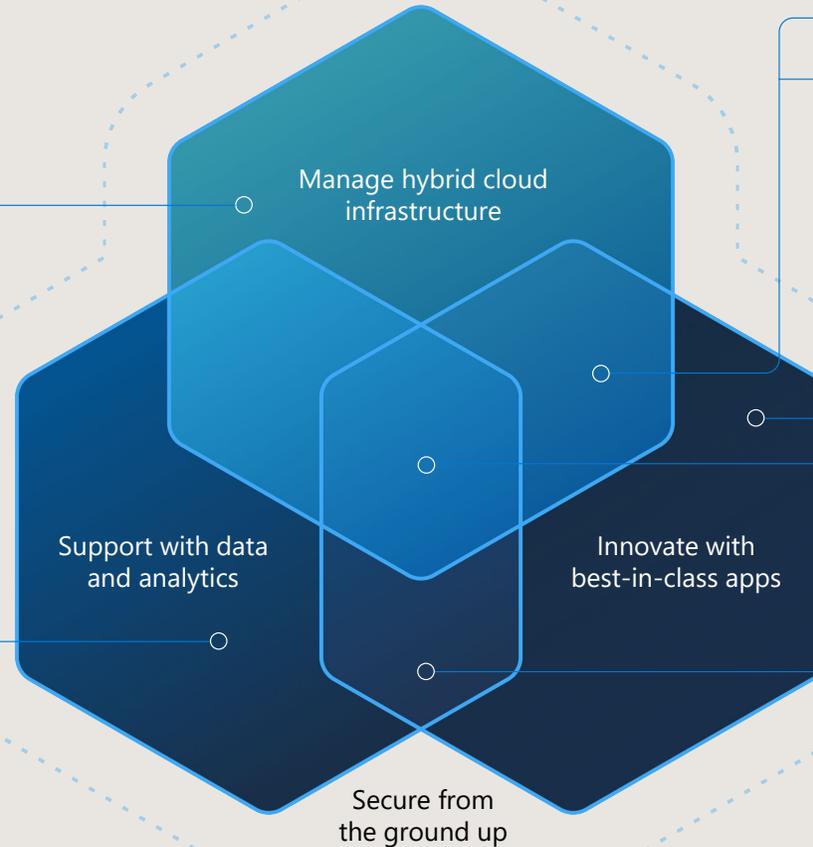
[Get Started for Free](#)



# 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.

- [Azure Administrator Associate](#)
- [Azure Security Engineer Associate](#)
- [Azure Network Engineer Associate](#)
- [Azure Stack Hub Operator Associate](#)
- [Windows Server Hybrid Administrator Associate](#)
- [Azure Virtual Desktop Specialty](#)
- [Azure for SAP Workloads Specialty](#)
- [Azure Support Engineer for Connectivity 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 IoT Developer Specialty](#)
  
- [Azure Fundamentals](#)
  
- [Azure Data Fundamentals](#)
- [Azure AI Fundamentals](#)
- [Azure AI Engineer Associate](#)
- [Azure Cosmos DB Developer Specialty](#)

**Azure.** Invent with purpose.

# Microsoft Azure certifications for IT Pros (1)

Manage hybrid cloud infrastructure

<b>Azure Administrator Associate</b> Exam AZ-104	<b>Azure Security Engineer Associate</b> Exam AZ-500	<b>Azure Stack Hub Operator Associate</b> Exam AZ-600	<b>Azure Network Engineer Associate</b> Exam AZ-700	<b>Windows Server Hybrid Administrator Associate</b> Exams AZ-800 + AZ-801
<p>Azure administrators implement, manage, and monitor an organization's Microsoft Azure environment.</p>	<p>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.</p>	<p>Azure Stack Hub operators provide infrastructure as a service (IaaS) and platform as a service (PaaS) offering to end users or customers from within their own datacenter using Azure Stack Hub.</p>	<p>Azure network engineers plan, implement, and maintain Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services.</p>	<p>Windows Server hybrid administrators configure and manage Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workloads.</p>
<ul style="list-style-type: none"> <li>• Manage Azure identities and governance</li> <li>• Implement and manage storage</li> <li>• Deploy and manage Azure compute resources</li> <li>• Configure and manage virtual networking</li> <li>• Monitor and maintain Azure resources</li> </ul>	<ul style="list-style-type: none"> <li>• Manage identity and access</li> <li>• Implement platform protection</li> <li>• Manage security operations</li> <li>• Secure data and applications</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and deploy Azure Stack Hub</li> <li>• Provide services</li> <li>• Manage infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>• Design, implement, and manage hybrid networking</li> <li>• Design and implement core networking infrastructure</li> <li>• Design and implement routing</li> <li>• Secure and monitor networks</li> <li>• Design and implement private access to Azure services</li> </ul>	<ul style="list-style-type: none"> <li>• Deploy and manage Active Directory Domain Services (AD DS) in on-premises and cloud environments</li> <li>• Manage Windows Servers and workloads in a hybrid environment</li> <li>• Manage virtual machines and containers</li> <li>• Implement and manage an on-premises and hybrid networking infrastructure</li> <li>• Manage storage and file services</li> <li>• Secure Windows Server on-premises and hybrid infrastructures</li> <li>• Implement and manage Windows Server high availability</li> <li>• Implement disaster recovery</li> <li>• Migrate servers and workloads</li> <li>• Monitor and troubleshoot Windows Server environments</li> </ul>

# Microsoft Azure certifications for IT Pros (2)

Manage hybrid cloud infrastructure

<b>DevOps Engineer Expert</b> Exam AZ-400	<b>Azure Solutions Architect Expert</b> Exam AZ-305	<b>Azure for SAP Workloads Specialty</b> Exam AZ-120	<b>Azure Virtual Desktop Specialty</b> Exam AZ-140	<b>Azure Support Engineer for Connectivity Specialty</b> Exam AZ-720
<p>DevOps engineers work with people, processes, and products to enable continuous delivery of value in organizations.</p>	<p>Azure solution architects design cloud and hybrid solutions that run on Microsoft Azure, including compute, network, storage, monitoring, and security.</p>	<p>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.</p>	<p>Administrators for Azure Virtual Desktop design, implement, manage, and maintain Microsoft Azure Virtual Desktop experiences and remote apps for any device.</p>	<p>Support engineers for Azure connectivity use advanced troubleshooting methods to resolve networking and connectivity issues in Azure.</p>
<ul style="list-style-type: none"> <li>• Develop an instrumentation strategy</li> <li>• Develop a Site Reliability Engineering (SRE) strategy</li> <li>• Develop a security and compliance plan</li> <li>• Manage source control</li> <li>• Facilitate communication and collaboration</li> <li>• Define and implement continuous integration</li> <li>• Define and implement a continuous delivery and release management strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Design identity, governance, and monitoring solutions</li> <li>• Design data storage solutions</li> <li>• Design business continuity solutions</li> <li>• Design infrastructure solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Migrate SAP workloads to Azure</li> <li>• Design and implement an infrastructure to support SAP workloads on Azure</li> <li>• Design and implement high availability and disaster recovery (HA/DR)</li> <li>• Maintain SAP workloads on Azure</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and implement an Azure Virtual Desktop infrastructure</li> <li>• Plan and implement identity and security</li> <li>• Plan and implement user environments and apps</li> <li>• Monitor and maintain an Azure Virtual Desktop infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>• Troubleshoot business continuity issues</li> <li>• Troubleshoot hybrid and cloud connectivity issues</li> <li>• Troubleshoot Platform as a Service issues</li> <li>• Troubleshoot authentication and access control issues</li> <li>• Troubleshoot networks</li> <li>• Troubleshoot VM connectivity issues</li> </ul>

# Microsoft Azure certifications for Developers

Innovate with best-in-class apps

<b>Azure Developer Associate</b> Exam AZ-204	<b>DevOps Engineer Expert</b> Exam AZ-400	<b>Azure IoT Developer Specialty</b> Exam AZ-220	<b>Azure AI Engineer Associate</b> Exam AI-102	<b>Azure Cosmos DB Developer Specialty</b> Exam DP-420
<p>Azure developers participate in all phases of development from requirements definition and design to development, deployment, and maintenance.</p>	<p>DevOps engineers work with people, processes, and products to enable continuous delivery of value in organizations.</p>	<p>Azure IoT developers implement the configuration and coding tasks required to create and maintain the cloud and edge portions of an IoT solution.</p>	<p>Azure AI engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.</p>	<p>Azure Cosmos DB developers design, implement, and monitor cloud-native applications that store and manage data.</p>
<ul style="list-style-type: none"> <li>• Develop Azure compute solutions</li> <li>• Develop for Azure storage</li> <li>• Implement Azure security</li> <li>• Monitor, troubleshoot, and optimize Azure solutions</li> <li>• Connect to and consume Azure services and third-party services</li> </ul>	<ul style="list-style-type: none"> <li>• Develop an instrumentation strategy</li> <li>• Develop a Site Reliability Engineering (SRE) strategy</li> <li>• Develop a security and compliance plan</li> <li>• Manage source control</li> <li>• Facilitate communication and collaboration</li> <li>• Define and implement continuous integration</li> <li>• Define and implement a continuous delivery and release management strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Set up the Azure IoT Hub solution infrastructure</li> <li>• Provision and manage devices</li> <li>• Implement IoT Edge</li> <li>• Implement business integration</li> <li>• Process and manage data</li> <li>• Monitor, troubleshoot, and optimize IoT solutions</li> <li>• Implement security</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and manage an Azure Cognitive Services solution</li> <li>• Implement Computer Vision solutions</li> <li>• Implement natural language processing solutions</li> <li>• Implement knowledge mining solutions</li> <li>• Implement conversational AI solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Design and implement data models</li> <li>• Design and implement data distribution</li> <li>• Integrate an Azure Cosmos DB solution</li> <li>• Optimize an Azure Cosmos DB solution</li> <li>• Maintain an Azure Cosmos DB solution</li> </ul>

# Microsoft Azure certifications for Data and AI Pros (1)

Support with data and analytics

<b>Azure Database Administrator Associate</b> Exam DP-300	<b>Azure Data Engineer Associate</b> Exam DP-203	<b>Azure Data Scientist Associate</b> Exam DP-100
<p>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.</p>	<p>Azure data engineers integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.</p>	<p>Azure data scientists apply data science and machine learning to implement and run machine learning workloads on Azure.</p>
<ul style="list-style-type: none"><li>• Plan and implement data platform resources</li><li>• Implement a secure environment</li><li>• Monitor, configure, and optimize database resources</li><li>• Configure and manage automation of tasks</li><li>• Plan and configure a high availability and disaster recovery (HA/DR) environment</li></ul>	<ul style="list-style-type: none"><li>• Design and implement data storage</li><li>• Design and develop data processing</li><li>• Design and implement data security</li><li>• Monitor and optimize data storage and data processing</li></ul>	<ul style="list-style-type: none"><li>• Manage Azure resources for machine learning</li><li>• Run experiments and train models</li><li>• Deploy and operationalize machine learning solutions</li><li>• Implement responsible machine learning</li></ul>

# Microsoft Azure certifications for Data and AI Pros (2)

Support with data and analytics

<b>Azure AI Engineer Associate</b> Exam AI-102	<b>Azure Cosmos DB Developer Specialty</b> Exam DP-420	<b>Azure Enterprise Data Analyst Associate</b> Exam DP-500
<p>Azure AI engineers build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.</p>	<p>Azure Cosmos DB developers design, implement, and monitor cloud-native applications that store and manage data.</p>	<p>Azure Enterprise data analysts design, create, and deploy enterprise-scale data analytics solutions.</p>
<ul style="list-style-type: none"><li>• Plan and manage an Azure Cognitive Services solution</li><li>• Implement Computer Vision solutions</li><li>• Implement natural language processing solutions</li><li>• Implement knowledge mining solutions</li><li>• Implement conversational AI solutions</li></ul>	<ul style="list-style-type: none"><li>• Design and implement data models</li><li>• Design and implement data distribution</li><li>• Integrate an Azure Cosmos DB solution</li><li>• Optimize an Azure Cosmos DB solution</li><li>• Maintain an Azure Cosmos DB solution</li></ul>	<ul style="list-style-type: none"><li>• Implement and manage a data analytics environment</li><li>• Query and transform data</li><li>• Implement and manage data models</li><li>• Explore and visualize data</li></ul>

# Get the right Foundations

Master the basics

<b>Azure Fundamentals</b> Exam AZ-900	<b>Azure AI Fundamentals</b> Exam AI-900	<b>Azure Data Fundamentals</b> Exam DP-900
<p>Azure fundamentals validates foundational knowledge of cloud services and how those services are provided with Microsoft Azure.</p>	<p>Azure AI fundamentals validates foundational knowledge of machine learning and artificial intelligence concepts and related Microsoft Azure services.</p>	<p>Azure data fundamentals validates foundational knowledge of core data concepts and how they're implemented using Azure data services.</p>
<ul style="list-style-type: none"><li>• Describe cloud concepts</li><li>• Describe Azure architecture and services</li><li>• Describe Azure management and governance</li></ul>	<ul style="list-style-type: none"><li>• Describe AI workloads and considerations</li><li>• Describe fundamental principles of machine learning on Azure</li><li>• Describe features of computer vision workloads on Azure</li><li>• Describe features of Natural Language Processing (NLP) workloads on Azure</li></ul>	<ul style="list-style-type: none"><li>• Describe core data concepts</li><li>• Identify considerations for relational data on Azure</li><li>• Describe considerations for working with non-relational data on Azure</li><li>• Describe an analytics workload on Azure</li></ul>

# The journey to Microsoft Certified: Azure Fundamentals

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

## Build confidence

## Get recognized

### This certification is a good fit if:

- You are new to the cloud or new to Azure.

### > Exam study guide

[AZ-900](#)

### > Instructor-led training

[Course AZ-900: Microsoft Azure Fundamentals](#)

### > Certification

[Azure Fundamentals](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

### > Skills measured:

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

- > 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

# The journey to Microsoft Certified: Azure Data Fundamentals

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

## Build confidence

## Get recognized

### This certification is a good fit if:

- You are beginning to work with data in the cloud.

- > **Exam study guide**  
[DP-900](#)
- > **Instructor-led training**  
[Course DP-900: Microsoft Azure Data Fundamentals](#)
- > **Certification**  
[Azure Data Fundamentals](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

- > **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

- > Pass [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're implemented using Azure data services.

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

**New to the cloud or Azure?**

[Choose Azure fundamentals training.](#)

### Products featured

- Microsoft Azure
- Microsoft SQL Server

# The journey to Microsoft Certified: Azure AI Fundamentals

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

### This certification is a good fit if:

- You are new to AI or AI on Azure.

- > **Exam study guide**  
[AI-900](#)
- > **Instructor-led training**  
[Course AI-900: Microsoft Azure AI Fundamentals](#)
- > **Certification**  
[Azure AI Fundamentals](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

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

**New to the cloud or Azure?**

[Choose Azure fundamentals training.](#)

## Build confidence

- > **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

## Get recognized

- > Pass [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

# The journey to Microsoft Certified: Azure Administrator Associate

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

### 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
- 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 training.](#)

### > Exam study guide

[AZ-104](#)

### > Instructor-led training

[Course AZ-104: Microsoft Azure Administrator](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

## Build confidence

### > Skills measured:

- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Configure 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

Explore Certification



## Start here

Decide if this is the right certification for you

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

- Managing the security posture, identifying and remediating vulnerabilities, performing threat modeling, implementing threat protection, and responding to security incident escalations.

First, make sure your skills are up to date.

Need to update your skills in Azure administration?

[Choose Azure administrator training.](#)

## Get trained

- > **Exam study guide**  
[AZ-500](#)
- > **Instructor-led training**
  - > [Course AZ-500: Microsoft Azure Security Technologies](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

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

## 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.

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure Stack Hub Operator Associate

Explore Certification



## Start here

Decide if this is the right certification for you

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

- Planning, deploying, updating, and maintaining the Azure Stack Hub infrastructure.
- Configuring resources, managing infrastructure capacity, and optimizing the services that run in Azure Stack Hub.

First, make sure your skills are up to date.

Need to update your skills in Azure administration?

[Choose Azure administrator training.](#)

## Get trained

- > **Exam study guide**  
[AZ-600](#)
- > **Instructor-led training**  
> [Course AZ-600: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- > **Skills measured:**
  - Plan and deploy Azure Stack Hub
  - Provide services
  - Manage infrastructure

## Get recognized

- > Pass [Exam AZ-600](#) to earn this certification.



Microsoft Certified:

- > [Azure Stack Hub Operator Associate](#)

Azure Stack Hub operators provide infrastructure as a service (IaaS) and platform as a service (PaaS) offering to end users or customers from within their own datacenter using Azure Stack Hub.

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure Network Engineer Associate

Explore Certification



## Start here

Decide if this is the right certification for you

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

- Recommending, planning, and implementing Azure networking solutions.
- Managing networking solutions for performance, resiliency, scale, and security.
- Deploying networking solutions by using the Azure Portal and other methods, including PowerShell, Azure Command-Line Interface (CLI), and Azure Resource Manager templates (ARM templates).

First, make sure your skills are up to date.

Need to update your skills in Azure administration?

[Choose Azure administrator training.](#)

## Get trained

### > Exam study guide

[AZ-700](#)

### Instructor-led training

#### > [Course AZ-700: Designing and Implementing Microsoft Azure Networking Solutions](#)

#### > [Free Learning Consultation 2-Hr Private Group Training](#)

## Build confidence

### > Skills measured:

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

## 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

# The journey to Microsoft Certified: Azure Support Engineer for Connectivity Specialty

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

## Build confidence

## Get recognized

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

- Troubleshooting hybrid environments, including issues with Azure Virtual Machines, virtual networks, and connectivity between on-premises and Azure services.
- Using various tools and technologies to diagnose and identify root causes for complex issues.

- > **Exam study guide**  
[AZ-720](#)

- > **Instructor-led training**  
[Course: AZ-720: Azure Support Engineer Troubleshooting Azure Connectivity](#)

- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

### > Skills measured:

- Troubleshoot business continuity issues
- Troubleshoot hybrid and cloud connectivity issues
- Troubleshoot Platform as a Service issues
- Troubleshoot authentication and access control issues
- Troubleshoot networks
- Troubleshoot VM connectivity issues

- > Pass [Exam AZ-720](#) to earn this certification.



- > Microsoft Certified:  
[Azure Support Engineer for Connectivity Specialty](#)

Support engineers for Azure connectivity use advanced troubleshooting methods to resolve networking and connectivity issues in Azure.

### Products featured

- Microsoft Azure

**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 networking?**

[Choose Azure network engineer training.](#)

# The journey to Microsoft Certified: Windows Server Hybrid Administrator Associate

Explore Certification



## 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](#)

### > Instructor-led training

[Course AZ-800 Administering Windows Server Hybrid Core Infrastructure](#)

### > Course AZ-801T00 Configuring

[Windows Server Hybrid Advanced Services](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

## 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

## 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

# The journey to Microsoft Certified: Azure Solutions Architect Expert

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

## Build confidence

## Get recognized

### 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.

### Prerequisite: Certification

- [Azure Administrator Associate](#)

First, make sure your skills are up to date.

### Need to update your skills in Azure infrastructure architecture?

Choose Azure architect design prerequisites training.

### > Exam study guide

[AZ-305](#)

### > Instructor-led training

- > [Course AZ-305: Designing Microsoft Azure Infrastructure Solutions](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

### > Skills measured:

- Design identity, governance, and monitoring solutions
- Design data storage solutions
- Design business continuity solutions
- Design infrastructure solutions

- > 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.

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure for SAP Workloads Specialty

Explore Certification



## 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.

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.](#)

## Get trained

- > **Exam study guide**  
[AZ-120](#)
- > **Instructor-led training**  
[Course AZ-120: Planning and Administering Microsoft Azure for SAP Workloads](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- > **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.



- > 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.

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure Virtual Desktop Specialty

Explore Certification



## 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.

## Get trained

- › **Exam study guide**  
[AZ-140](#)
- Instructor-led training**
  - › [Course AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop](#)
- › **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- › **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.

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

# The journey to Microsoft Certified: Azure Developer Associate

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

### 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.](#)

### > Exam study guide

[AZ-204](#)

### Instructor-led training

### > [Course AZ-204: Developing solutions for Microsoft Azure](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

## Build confidence

### > 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

# The journey to Microsoft Certified: DevOps Engineer Expert

Explore Certification



## 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](#)

### > Instructor-led training

- > [Course AZ-400: Designing and Implementing Microsoft DevOps solutions](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

## Build confidence

### > 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

# The journey to Microsoft Certified: Azure IoT Developer Specialty

Explore Certification



## Start here

Decide if this is the right certification for you

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

- Deploying, configuring, and maintaining physical devices using cloud services.
- Implementing design specifications for IoT solutions, including device topology, connectivity, diagnostics and monitoring, and security.
- Configuring device networking for the Azure IoT Edge portion of the solution.
- Implementing designs for solutions to manage data pipelines, including monitoring and data transformation as they relate to IoT.

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

**Need to update your skills in Azure development?**

[Choose Azure developer training.](#)

## Get trained

- > **Exam study guide**  
[AZ-220](#)
- > **Instructor-led training**  
> [Course AZ-220: Microsoft Azure IoT Developer](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- > **Skills measured:**
  - Set up the Azure IoT Hub solution infrastructure
  - Provision and manage devices
  - Implement IoT Edge
  - Implement business integration
  - Process and manage data
  - Monitor, troubleshoot, and optimize IoT solutions
  - Implement security

## Get recognized

- > Pass [Exam AZ-220](#) to earn this certification.



- > Microsoft Certified:  
**[Azure IoT Developer Specialty](#)**

Azure IoT developers implement the configuration and coding tasks required to create and maintain the cloud and edge portions of an IoT solution.

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure Database Administrator Associate

Explore Certification



## 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:

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

## Get trained

### > Exam study guide

[DP-300](#)

### Instructor-led training

### > [Course DP-300: Administering Microsoft Azure SQL Solutions](#)

### > [Free Learning Consultation 2-Hr Private Group Training](#)

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

### New to data solutions on Azure?

[Choose Azure data fundamentals training.](#)

## Build confidence

### > 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

## Get recognized

### > Pass [Exam DP-300](#) to earn this certification.



Microsoft Certified:

### > [Azure Database Administrator Associate](#)

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.

### Products featured

- Microsoft Azure
- Microsoft SQL Server

# The journey to Microsoft Certified: Azure Data Engineer Associate

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

### 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.](#)

- > **Exam study guide**  
[DP-203](#)

- > **Instructor-led training**  
> [Course DP-203: Data Engineering on Microsoft Azure](#)

- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- > **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.



- > 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

# The journey to Microsoft Certified: Azure Enterprise Data Analyst Associate

Explore Certification



## Start here

Decide if this is the right certification for you

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

- Performing advanced data analytics at scale, such as cleaning and transforming data, designing and building enterprise data models, incorporating advanced analytics capabilities, integrating with IT infrastructure, and applying development lifecycle practices.
- Helping collect enterprise-level requirements for data analytics solutions that include Azure and Microsoft Power BI.
- Advising on data governance and configuration settings for Power BI administration, monitor data usage, and optimize performance of the data analytics solutions.

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

**New to data solutions on Azure?**  
[Choose Azure data fundamentals training.](#)

## Get trained

### > Exam study guide

[DP-500](#)

### > Instructor-led training

[Course DP-500: Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI](#)

### > Free Learning Consultation

[2-Hr Private Group Training](#)

### Make sure your skills are up to date.

**Need to update your skills in data analytics?**  
[Choose Microsoft Power BI data analyst training.](#)

## Build confidence

### > 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.



- > Microsoft Certified:  
[Azure Enterprise Data Analyst Associate](#)

Azure Enterprise data analysts design, create, and deploy enterprise-scale data analytics solutions.

### Products featured

- Microsoft Power BI

# The journey to Microsoft Certified: Azure Cosmos DB Developer Specialty

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

## Build confidence

## Get recognized

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

- Designing and implementing data models and data distribution, loading data into an Azure Cosmos DB database, and optimizing and maintaining the solution.
- Designing, implementing, and monitoring solutions that consider security, availability, resilience, and performance requirements.

> **Exam study guide**  
[DP-420](#)

> **Instructor-led training**  
[Course DP-420: Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB](#)

> **Free Learning Consultation**  
[2-Hr Private Group Training](#)

### > 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

> 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

# The journey to Microsoft Certified: Azure AI Engineer Associate

Explore Certification



## Start here

Decide if this is the right certification for you

## Get trained

### 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.

- > **Exam study guide**  
[AI-102](#)

### Instructor-led training

- > [Course AI-102: Designing and Implementing a Microsoft Azure AI Solution](#)
- > **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

### > 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.



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.

Brand new? First, master the basics.

### New to AI or AI on Azure?

[Choose Azure AI fundamentals training.](#)

### Products featured

- Microsoft Azure

# The journey to Microsoft Certified: Azure Data Scientist Associate

Explore Certification



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

## Get trained

**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.

> **Exam study guide**  
[DP-100](#)

> **Instructor-led training**  
> [Course DP-100: Designing and Implementing a Data](#)

> [Course DP-090: Implementing a Machine Learning Solution with Microsoft Azure Databricks](#)

> **Free Learning Consultation**  
[2-Hr Private Group Training](#)

## Build confidence

- > **Skills measured:**
- Manage Azure resources for machine learning
  - Run experiments and train models
  - Deploy and operationalize machine learning solutions
  - Implement responsible machine learning

## Get recognized

> Pass [Exam DP-100](#) to earn this certification.



> Microsoft Certified:  
**[Azure Data Scientist Associate](#)**

Azure data scientists apply data science and machine learning to implement and run machine learning workloads on Azure.

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

**New to AI or AI on Azure?**  
[Choose Azure AI fundamentals training.](#)

**Products featured**

- Microsoft Azure

# Why Get Certified?

## Learn how employees and businesses thrive through continuous learning

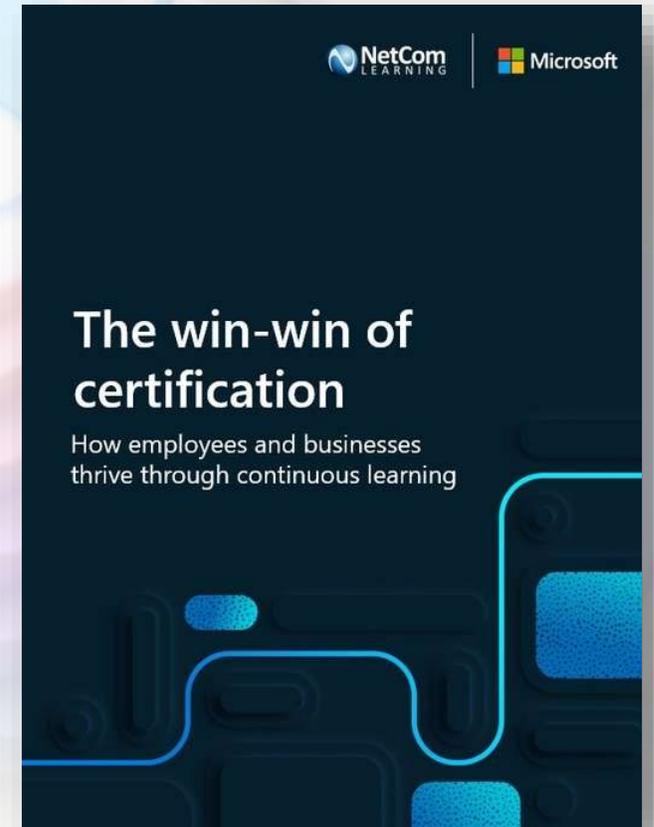
Free official Microsoft eBook

When organizations maintain a culture of certification and continuous learning, the results are both substantial and measurable - research shows well-trained teams are almost 20% more productive than other staff.

In this insightful official Microsoft eBook, you'll see stats and facts on how certification benefits both employees and organizations, including:

- How training improves timeliness, insight, and business impact
- The personal and career benefits of certification
- The direct relationship between continuous learning and higher pay
- How certification improves productivity, efficiency, and job satisfaction

[Download eBook](#)



# Other Microsoft Resources

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