

Azure Administrator Learning Pathway (1/4)

www.aka.ms/pathways

Welcome

Welcome to this learning pathway that brings together a multitude of Microsoft resources to help you learn and grow as an Azure Administrator.

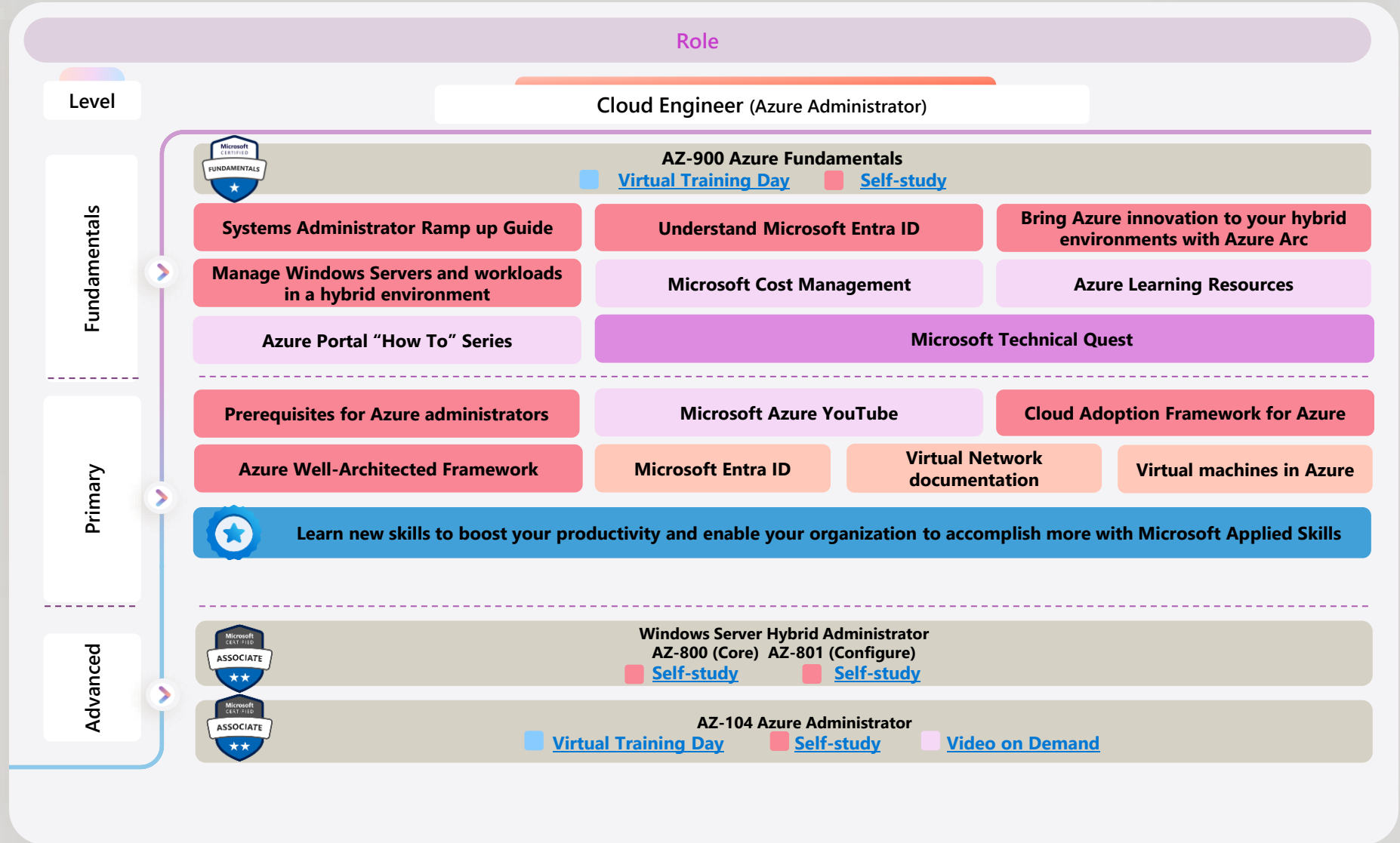
Get out of the gate quickly and easily by following the learning recommendations on this page.

Alternatively, please review the content on the next two pages for a carefully curated selection of content to support your learning journey.

Good luck!

Key

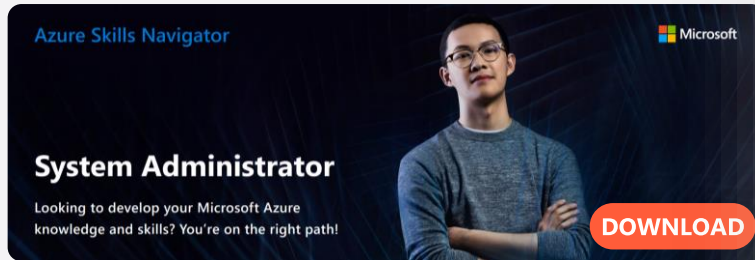
- Virtual Training Day
- Certification Content
- Video
- Self-Study
- Microsoft Applied Skills
- Documentation
- Games



Azure Administrator Learning Pathway (2/4)

www.aka.ms/pathways

Getting started



Azure Skills Navigator

Microsoft

System Administrator

Looking to develop your Microsoft Azure knowledge and skills? You're on the right path!

DOWNLOAD

This Azure learning journey is designed for two different types of explorers:

Systems administrators just beginning their careers in the cloud. These IT professionals manage the configuration, performance, and security of Windows Server environments on-premises or operate, protect, and monitor cloud workloads. This includes IT Managers looking to enhance their existing on-premises systems with the hybrid benefits of cloud capabilities.

Students who are just getting started learning about Azure

This guide maps out your itinerary for deepening your Azure knowledge, drawing on a wide array of Microsoft resources. You'll begin by diving into the fundamental concepts of cloud computing and Azure core infrastructure services, then move on to management, monitoring, security, and compliance. These modules are designed to be completed in order, step by step, as outlined in this guide

- [Build your Tech resilience](#)
- [Azure Fundamentals](#)
- [Virtualization - Sharing cloud resources](#)
- [Linux on Azure](#)
- [Microsoft Azure Blog](#)
- [Microsoft Trust Centre | Compliance](#)
- [Azure Community Support](#)
- [Threat Modeling Security Fundamentals](#)
- [Intro to data protection and privacy regulations](#)
- [Get started with Azure Advisor](#)
- [Automate administrative tasks by using PowerShell](#)

Role based certification (optional)

Windows Server Hybrid Administrator

AZ-800: Administering Windows Server Hybrid Core Infrastructure

Skills Measured

- Deploy and manage 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

Microsoft Learn content

- [Deploy and manage identity infrastructure](#)
- [Manage Windows Servers and workloads in a hybrid environment](#)
- [Manage virtualization and containers in a hybrid environment](#)
- [Implement and operate an on-premises and hybrid networking infrastructure](#)
- [Configure storage and file services](#)

[Exam Study Guide](#)
[Course Page](#)
[Exam Page](#)

Exam AZ-801: Configuring Windows Server Hybrid Advanced Services

Skills Measured

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

Microsoft Learn content

- [Secure Windows Server on-premises and hybrid infrastructures](#)
- [Implement Windows Server high availability](#)
- [Implement disaster recovery in Windows Server on-premises and hybrid environments](#)
- [Migrate servers and workloads in on-premises and hybrid environments](#)
- [Monitor and troubleshoot Windows Server environments](#)

[Exam Study Guide](#)
[Course Page](#)
[Exam Page](#)

Role based Certification

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

Self Study:

- [Prerequisites for Azure administrators](#)
- [Manage identities and governance in Azure](#)
- [Implement and manage storage in Azure](#)
- [Deploy and manage Azure compute resources](#)
- [Configure and manage virtual networks for Azure administrators](#)
- [Monitor and back up Azure resources](#)

[Exam Study Guide](#)
[Course Page](#)
[Sample Questions](#)
[Exam Page](#)
[Video on Demand](#)
[Practice Assessment](#)
[Entra ID Documentation](#)

Azure Administrator Learning Pathway (3/4)

www.aka.ms/pathways

Supporting Study | Doing More

Managing Microsoft Entra ID

- [Compare AD to Microsoft Entra ID](#)
- [What is Entra ID?](#)
- [Creating & Managing Users](#)

- [Setting up self-service password resets](#)
- [What is Microsoft Entra join?](#)

Subscriptions & Governance

- [Principles of resource groups](#)
- [Get started with the Azure Enterprise portal](#)

- [Management/Resource Groups](#)
- [What is Azure Policy?](#)

Storage

- [Azure Storage Overview](#) | [Storage Services](#)
- [Replication – Azure Storage Redundancy](#)
- [Azure Key Vault – Customer Managed Keys](#)
- [Azure Blob Storage](#) | [Files vs Blobs](#)
- [What is Azure Import/Export?](#)

Virtual Machines

- [Windows VM in Azure Documentation](#)
- [Availability options for VMs in Azure](#)
- [Regions and Availability Zones in Azure](#)

- [Define Azure Resource Manager templates](#)
- [Using Custom Script Extensions](#)
- [Azure Disk Encryption for Windows VMs](#)

Containers

- [Container Instances Documentation](#)

- [AKS Kubernetes – 50 days zero to hero](#)

Virtual Networking

- [Virtual Network Documentation](#)

- [What is Azure Load Balancer?](#)

Microsoft Learn

- [Best practices for Azure migration](#)
- [Improve your reliability with modern operations practices](#)
- [Secure your cloud applications in Azure](#)
- [Managing bulk Azure Reserved Instances](#)
- [Implement Windows Server IaaS VM Identity](#)
- [Implement Windows Server IaaS VM Security](#)
- [Secure your cloud data](#)
- [Azure security best practices and patterns](#)
- [Implement a Windows Server hybrid cloud infrastructure](#)
- [Implement Windows Server hybrid cloud management, monitoring, and security](#)

Microsoft Entra | Identity

- [Microsoft Entra ID Documentation](#)
- [Entra Domain Services Documentation](#)
- [External Identities Documentation](#)
- [Implement Microsoft Identity](#)
- [Manage identity and access in Entra ID](#)
- [Manage identities and governance for Azure administrators](#)
- [Monitor and report on security events in Entra ID](#)
- [Monitor and maintain Entra ID](#)
- [Hybrid identity with Windows Server](#)
- [Deploy and manage Azure IaaS Active Directory domain controllers in Azure](#)

Microsoft Applied Skills

Targeted validation for real-world scenarios. Demonstrate proficiency in specific, scenario-based skill sets so you can make a bigger impact on every project, at your organization, and in your career.

[Configure secure access to your workloads using Azure networking](#)

[Deploy and configure Azure Monitor](#)

[Secure storage for Azure Files and Azure Blob Storage](#)

[Deploy containers by using Azure Kubernetes Service](#)

Backup and Disaster Recovery

Learn why centrally managed backup for on-premises and cloud data is best for reducing the management burden and costs of a BDR infrastructure while optimizing the speed and reliability of backup and data recovery operations. Then dive into the Azure backup architecture and learn how to design your backup and recovery solution.

Azure Skills Navigator

DOWNLOAD

Backup and Disaster Recovery

Microsoft

TECHNICAL QUEST

[Here](#)



Microsoft Virtual Training Days

Build the technical skills you need with free Virtual Training Days.

[Here](#)

Microsoft Azure Connected Learning Experience (CLX) is an experiential training program that sets a trajectory for aspiring learners and working professionals to be Azure experts. The CLX program offers a personalized journey that aims to optimize learning experience while maximizing return on time invested.

[Click Here](#)

Azure Administrator Learning Pathway (4/4)

Azure Arc Companion

www.aka.ms/pathways

Getting started with Azure Arc

Today, companies struggle to control and govern increasingly complex environments that extend across data centres, multiple clouds, and edge. Each environment and cloud possesses its own set of management tools, and new DevOps and ITOps operational models can be hard to implement across resources. Azure Arc simplifies governance and management by delivering a consistent multicloud and on-premises management platform.

Bring Azure innovation to your hybrid environments with Azure Arc

- [Introduction to Azure Arc](#)
- [Introduction to Azure Arc-enabled servers](#)
- [Plan and deploy Azure Arc-enabled servers at scale](#)
- [Secure your hybrid and multicloud machines through Azure Arc-enabled servers](#)
- [Monitor your hybrid and multicloud machines through Azure Arc-enabled servers](#)
- [Govern your hybrid and multicloud machines through Azure Arc-enabled servers](#)
- [Introduction to Azure Arc-enabled Kubernetes](#)
- [Introduction to Azure Arc-enabled data services](#)

Implement Azure Arc-enabled SQL Managed Instance in your hybrid environment

- [Introduction to Azure Arc-enabled data services](#)
- [Deploy and manage Azure Arc data controller](#)
- [Deploy and manage an Azure Arc-enabled SQL Managed Instance](#)
- [Monitor Azure Arc-enabled SQL Managed Instance security performance](#)
- [Implement high availability and disaster recovery for Azure Arc-enabled SQL Managed Instance](#)

Azure Arc Documentation

Azure Arc-enabled servers

- [Connect hybrid machines](#)
- [Security overview](#)
- [Azure Policy definitions](#)
- [Connect SQL Server](#)
- [See more](#)

Management Services supporting Azure Arc

- [Azure Monitor overview](#)
- [Azure Policy overview](#)
- [Microsoft Defender for Cloud overview](#)
- [Azure Automation overview](#)

Arc-enabled Kubernetes

- [Connect a cluster to Azure Arc](#)
- [Use Azure Monitor Container Insights](#)
- [Apply configurations on clusters using GitOps](#)
- [Azure Arc-enabled Open Service Mesh](#)
- [See more](#)

Arc-enabled private clouds

- [Azure Arc resource bridge \(preview\)](#)
- [Azure Arc-enabled VMware vSphere \(preview\)](#)
- [Azure Arc-enabled System Center Virtual Machine Manager \(preview\)](#)

Arc-enabled data services

- [Plan deployment](#)
- [Install tools](#)
- [Create SQL Managed Instance](#)
- [Create PostgreSQL server](#)
- [Connect SQL Server to Azure Arc](#)
- [Assess instance](#)
- [Configure advanced data security](#)
- [See more](#)

Application Services

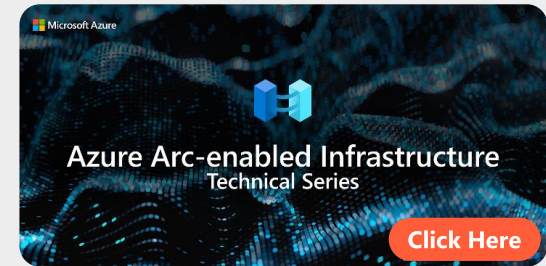
- [App Service, Functions, and Logic Apps on Azure Arc \(preview\)](#)

Azure Arc Documentation
(Landing page)

More Resources



Microsoft Mechanics



Doing More

- [John Savill's Technical Training - Azure Arc-Enabled Servers Walkthrough](#)
- [Integrate Azure Arc and Azure Stack HCI](#)
- [Azure Arc-enabled servers VMware FAQ](#)
- [Manage configurations for Arc-enabled servers](#)
- [Connect your non-Azure machines to Microsoft Defender for Cloud](#)
- [Connect your Azure subscriptions](#)
- [Connect your AWS account to Microsoft Defender for Cloud](#)
- [Connect your GCP project to Microsoft Defender for Cloud](#)

30 days to Learn it Challenge

30 Days to Learn It can help you build skills and start your preparation for Microsoft Certifications. Select your challenge below.

[Windows Server Hybrid Administrator](#)



Arc Jumpstart

[Click Here](#)

Get an Azure Arc environment up and running in no time—extensive, automated, and open-source.