

Azure Solutions Architect Learning Pathway (1/3)

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 Solutions Architect.

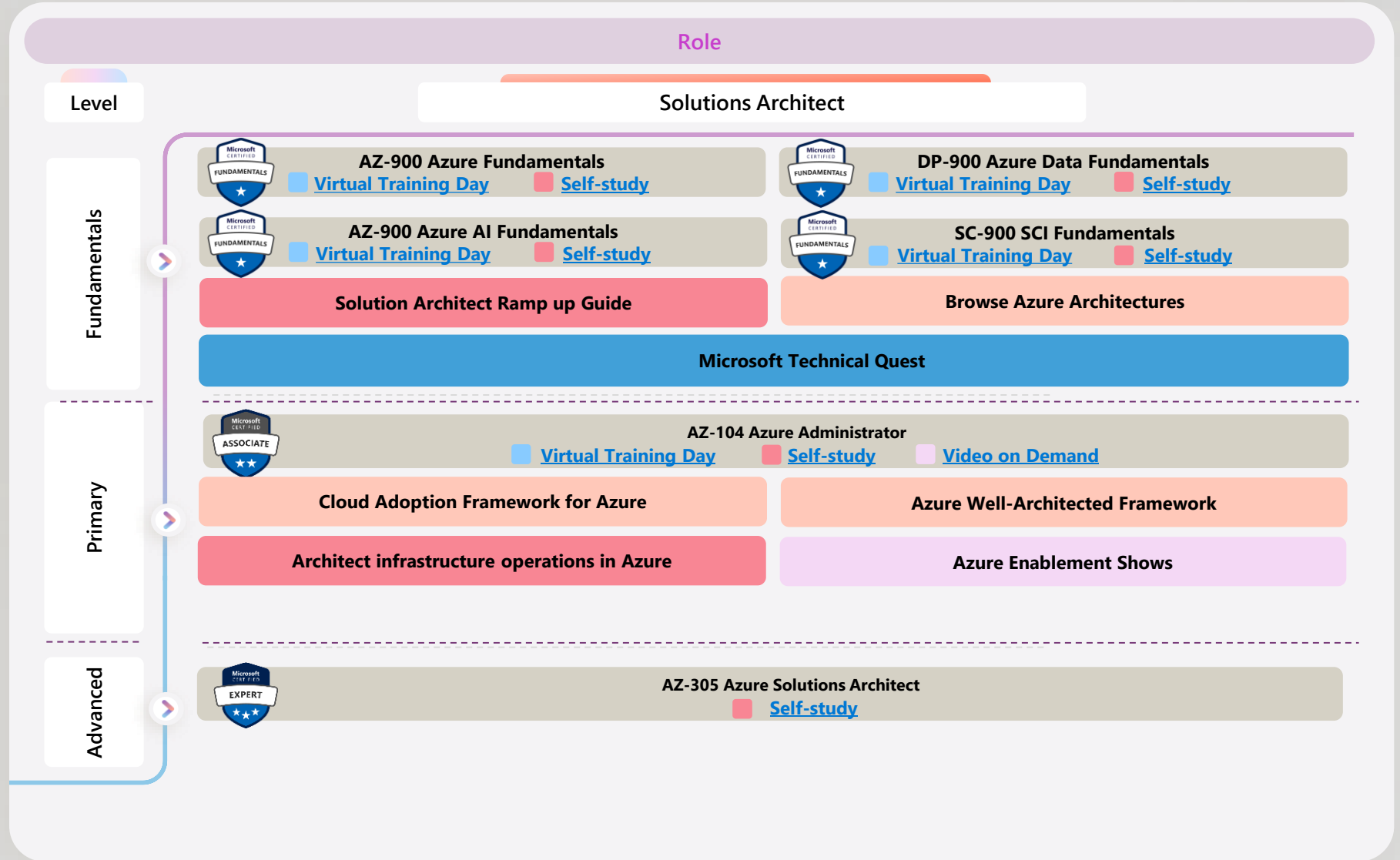
Get out of the gate quickly and easily by following the learning recommendations on this page.

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
-  Games
-  Documentation



Azure Solutions Architect Learning Pathway (2/3)

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Getting started

Introduction:

Learn how to design infrastructure solution with considerations including governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations.

Audience Profile:

You will have experience and knowledge in IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance. You will also have experience designing and architecting solutions.

Microsoft Learn

- [Azure Fundamentals](#)
- [Data Fundamentals](#)
- [AI Fundamentals](#)
- [Architecture Centre Home](#)
- [Browse Azure Architectures](#)
- [Explore Cloud Best Practices](#)
- [Assess, optimise and review your workload](#)
- [See what's new](#)
- [Best Practices and patterns for building applications on Azure](#)
- [Explore Architectures and guides for different technologies](#)
- [Architect secure infrastructure](#)
- [Architect network infrastructure](#)
- [Architect infrastructure operations](#)
- [Architect compute infrastructure](#)
- [Architect storage infrastructure](#)
- [Architect migration, business continuity, and disaster recovery](#)
- [Architect a data platform](#)
- [Architect modern applications](#)
- [Architect API integration](#)
- [Microsoft Azure Well-Architected Framework](#)

Azure Architecture Documentation

Well Architected Framework

Microsoft Learn

Design identity, governance, and monitoring solutions

- [Azure Monitor Logs overview](#)
- [Azure Diagnostic Logs](#)
- [Enable diagnostics logging for apps in Azure App Service](#)
- [Create diagnostic setting to collect platform logs and metrics in Azure](#)
- [Azure security logging and auditing](#)
- [Azure Monitor Overview](#)
- [Best practices for monitoring cloud applications](#)
- [What is Microsoft Sentinel?](#)
- [Assign Azure roles using the Azure portal](#)
- [What is Azure role-based access control \(Azure RBAC\)?](#)
- [Quickstart: Check access for a user to Azure resources](#)
- [What are managed identities for Azure resources?](#)
- [Use a Windows VM system-assigned managed identity to access Resource Manager](#)
- [What are Azure AD access reviews?](#)
- [What is Identity Protection?](#)
- [Secure your management ports with just-in-time access](#)
- [What is Azure AD Privileged Identity Management?](#)
- [What are the Azure Management areas?](#)
- [What are Azure management groups?](#)
- [What is Azure Policy?](#)
- [Tutorial: Create and manage policies to enforce compliance](#)
- [What are managed identities for Azure resources?](#)
- [Use a Windows VM system-assigned managed identity to access Resource Manager](#)
- [About Azure Key Vault](#)
- [Azure Key Vault keys, secrets and certificates overview](#)
- [Configure how users consent to applications](#)

Design Data Storage Solutions

- [Azure SQL Database service tiers](#)
- [General purpose service tier – Azure SQL Database](#)
- [Scalability](#)
- [Azure Data Encryption at rest](#)
- [Azure encryption overview](#)
- [Transparent data encryption for SQL Database and Azure Synapse](#)
- [What is Azure Data Factory?](#)
- [What is Azure Databricks?](#)
- [What is Azure Data Lake Storage Gen1](#)
- [Introduction to Azure Data Lake Storage Gen2](#)
- [What is dedicated SQL pool \(formerly SQL DW\) in Azure Synapse Analytics?](#)
- [Understand data store models](#)
- [What is SQL Server on Windows Azure Virtual Machines?](#)
- [What is Azure SQL Database?](#)
- [What is Azure SQL Managed Instance?](#)
- [What is Azure Database for PostgreSQL?](#)
- [What is Azure Database for MariaDB?](#)
- [What is Azure Database for MySQL?](#)
- [Welcome to Azure Cosmos DB](#)
- [Understand data store models](#)
- [Non-relational data and NoSQL](#)
- [What is Apache HBase in Azure HDInsight](#)
- [Azure Cache for Redis](#)
- [Table storage](#)
- [Azure Time Series Insights](#)
- [Azure Blob Storage](#)

30 days to Learn it Challenge

Design cloud and hybrid solutions that run on Microsoft Azure, including compute, network, storage, monitoring, and security.

Azure Solutions Architect



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

Explore Applied Skills

Azure Solutions Architect Learning Pathway (3/3)

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Microsoft Learn

Design Data Storage Solutions

- [Azure Data Lake Storage](#)
- [Azure Files](#)
- [Azure Cognitive Search](#)
- [Non-relational data and NoSQL](#)
- [Core Azure Storage services](#)
- [Access control model in Azure Data Lake Storage Gen2](#)
- [Data protection overview](#)

Design business continuity solutions

- [Site Recovery | General questions](#)
- [VMware to Azure replication](#)
- [Hyper-V to Azure disaster recovery](#)
- [What is the Azure Backup service?](#)
- [Azure Backup architecture and components](#)
- [Azure Backup server protection matrix](#)
- [Best practices for business continuity and disaster recovery in Azure Kubernetes Service \(AKS\)](#)
- [Azure Backup architecture and components](#)
- [An overview of Azure VM backup](#)
- [About SQL Server Backup in Azure VMs](#)
- [Azure Database for PostgreSQL backup](#)
- [Regions and availability zones](#)
- [Azure services that support availability zones](#)
- [Availability options for Azure Virtual Machines](#)
- [Build solutions for high availability using availability zones](#)
- [Azure Storage redundancy](#)
- [Achieve high availability with Cosmos DB](#)

- [Build solutions for high availability using availability zones](#)
- [High availability for Azure SQL Database and SQL Managed Instance](#)

Design Infrastructure Solutions

- [Virtual machines in Azure](#)
- [What is Azure Virtual Desktop?](#)
- [Choose an Azure compute service](#)
- [App Service documentation](#)
- [Azure Kubernetes Service](#)
- [What is Azure Container Instances?](#)
- [Introduction to private Docker container registries in Azure](#)
- [Introduction to Azure Functions](#)
- [Caching guidance](#)
- [Azure CDN Documentation](#)
- [CDN guidance](#)
- [Create an Azure CDN endpoint](#)
- [What is Azure Front Door?](#)
- [About Azure Cache for Redis](#)
- [Choose between Azure messaging services – Event Grid, Event Hubs, and Service Bus](#)
- [What is Azure Service Bus?](#)
- [Use Azure portal to create a Service Bus namespace and a queue](#)
- [Get started with Azure Service Bus queues \(.NET\)](#)
- [What is Azure Event Grid?](#)
- [Event-Driven Architecture in the Cloud with Azure Event Grid](#)

- [Route custom events to web endpoint with the Azure portal and Event Grid](#)
- [Tutorial: Monitor virtual machine changes by using Azure Event Grid and Logic Apps](#)
- [Features and terminology in Azure Event Hubs](#)
- [Quickstart: Create an event hub using Azure portal](#)
- [Tutorial: Stream data into Azure Databricks using Event Hubs](#)

Role based Certification

Prerequisite for AZ-305: 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

AZ-305: Azure Solutions Architect

Skills Measured:

- Design identity, governance, and monitoring solutions
- Design data storage solutions
- Design business continuity solutions
- Design infrastructure solutions
- [Microsoft Azure Architect Design Prerequisites](#)
- [Design identity, governance and monitor solutions](#)
- [Design business continuity solutions](#)
- [Design data storage solutions](#)
- [Design infrastructure solutions](#)
- [Build great solutions with Microsoft Azure Well-Architected Framework](#)
- [Accelerate cloud adoption with the Microsoft Cloud Adoption Framework for Azure](#)

[Exam Page](#)
[Practice Assessment](#)
[Exam Skills Outline](#)
[Course Page](#)