Azure Architecture Center

Azure Application Architecture Guide

A guide to designing scalable, resilient, and highly available applications, based on proven practices that we have learned from customer engagements.

Reference Architectures

A set of recommended architectures for Azure. Each architecture includes best practices, prescriptive steps, and a deployable solution.

Microsoft Cloud Adoption Framework for Azure

A process for creating an organization-wide cloud adoption strategy, focusing on policies

A process for creating an organization-wide cloud adoption strategy, focusing on policies, governance, and infrastructure.

Build Microservices on Azure

This design guide takes you through the process of designing and building a microservices architecture on Azure. A reference implementation is included.

Azure Data Architecture Guide

A structured approach to designing data-centric solutions on Microsoft Azure.

High Performance Computing (HPC) on Azure

Design guidance and component information for building High Performance Computing (HPC) applications on Azure.
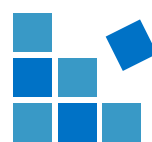
Cloud Best Practices

Best practices for cloud applications, covering aspects such as autoscaling, caching, data partitioning, API design, and others.

Designing reliable Azure applications

Learn how to build fault tolerance and high availability into your applications for Azure.

Azure Building Blocks

Simplify deployment of Azure resources. With a single settings file, deploy complex architectures in Azure.

Cloud Design Patterns

Design patterns for developers and solution architects. Each pattern describes a problem, a pattern that addresses the problem, and an example based on Azure.

Azure for AWS Professionals

Leverage your AWS experiences in Microsoft Azure.

Performance Antipatterns

How to detect and fix some common causes of

Azure Virtual Datacenter

When deploying enterprise workloads to the cloud,

performance and scalability problems in cloud applications.

organizations must balance governance with developer agility. Azure Virtual Datacenter provides models to achieve this balance with an emphasis on governance.

Submit your ideas for the Architecture Center

Do you have ideas for new architecture or design documentation?

What kinds of articles would you like to see in the Azure Architecture Center?

Build your skills with Microsoft Learn

Pillars of a great Azure architecture

Design for security in Azure

Design for performance and scalability in Azure

Design for efficiency and operations in Azure

Design for availability and recoverability in Azure

Tour the N-tier architecture style