



Awesome Microsoft Azure Architecture

This is a curated list of AWESOME blogs, videos, tutorials, code, tools, and scripts related to the design and implementation of solutions in Microsoft Azure.

This list contains anything that can help with your **Microsoft Azure architecture** and quickly get you up and running when designing, planning, and implementing services that empower organizations around the planet to achieve more.

This list can be found at aka.ms/AwesomeAzureArchitecture.

Community contributions are most welcome! Feel free to submit a **pull request** with any adds/removes/changes to content!

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Official

Links below are from official Microsoft sources, websites, and channels.

Official Microsoft Learn Modules

Official Microsoft Learn Learning modules.

- AZ-305: Design business continuity solutions
- AZ-305: Design data storage solutions
- AZ-305: Design identity, governance, and monitor solutions
- AZ-305: Design infrastructure solutions
- AZ-700 Designing and Implementing Microsoft Azure Networking Solutions
- AZ-720: Azure Support Engineer for Connectivity Specialty
- Control Azure spending and manage bills with Microsoft Cost Management + Billing
- Describe core Azure architectural components
- Design an enterprise governance strategy
- Linux on Azure
- Microsoft Azure - Microsoft Learn
- Microsoft Azure Connected Learning Experience (CLX)
- Microsoft Certifications

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- Microsoft Partner - Training Center - Role Based
 - Microsoft Technical Quest

Official Docs

Official Microsoft Learn, articles, blogs, and resources.

- AI Lab project: Responsible AI dashboard
- Architect multitenant solutions on Azure
- Automation adoption strategy
- Azure Arc
- Azure Arc landing zone accelerator for hybrid and multicloud
- Azure Architecture Center
- Azure Architecture reference architecture
- Azure Bicep
- Azure Chaos Studio documentation
- Azure compliance documentation
- Azure confidential computing
- Azure Database Migration Guides
- Azure for Partners
- Azure Governance
- Azure IP advantage
- Azure Lighthouse
- Azure Migrate
- Azure Migration Tool Comparison Matrix
- Azure OpenAI Landing Zone reference architecture
- Azure products
- Azure security baseline for Azure Virtual Desktop
- Azure security best practices
- Azure security documentation
- Azure Service-level agreements
- Azure sustainability
- Azure Table storage design
- Azure Virtual Datacenter
- Azure VMware Solution landing zone accelerator
- Azure VMware Solution
- Azure application architecture fundamentals
- Azure architecture icons

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- Azure Verified Modules
 - Best practices in cloud applications
 - Cloud Design Patterns
 - Cloud Services Due Diligence Checklist
 - Cloud economics
 - Compute decision tree
 - Create an Azure support ticket
 - Data decision tree
 - Design for reliability
 - Develop your naming and tagging strategy for Azure resources
 - DevOps checklist
 - Hands-on with AI
 - Hardware innovation for the cloud
 - Mainframe rehosting on Azure virtual machines
 - Microsoft Assessments
 - Microsoft Azure Bounty Program
 - Microsoft Azure Immersion Workshops
 - Microsoft Azure Support
 - Microsoft Azure Well-Architected Framework
 - Microsoft Cloud Adoption Framework for Azure
 - Microsoft Digital Defense Report
 - Microsoft Investor Relations
 - Microsoft Partner Resources
 - Microsoft Product/Licensing Terms
 - Microsoft Trust Center
 - Serverless design examples
 - Solutions and Training for Azure Active Directory B2C
 - Subscription decision guide
 - Ten design principles for Azure applications
 - Virtual Microsoft Datacenter Tour
 - Visual Studio subscriptions

Official Videos

Official Microsoft videos.

- AI Show
- Ask The Expert

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- Azure Enablement Show
 - Azure Friday
 - Cloud Training Events
 - Code Stories
 - Exam Readiness Zone
 - Inside Azure Datacenter Architecture with Mark Russinovich
 - Inside Azure for IT
 - Internet of Things Show
 - Learn TV
 - Preparing for Azure advanced specializations
 - Reactor
 - The DevOps Lab

Official Announcements and Articles

Official Microsoft feature and product announcement pages and what's new.

- Azure Backup Center - Backups and Good Governance
- On Prem To the Cloud: Everything As Code

Official Books

Official Microsoft ebooks and whitepapers.

- Architecting Modern Web Applications with ASP.NET Core and Microsoft Azure
- Azure for Architects
- Azure Resiliency – Business Continuity and Disaster Recovery
- Azure SQL Resource Kit
- Cloud Migration and Modernization with Microsoft Azure e-book
- Cloud Migration Simplified
- Cloud Practice Playbooks
- Designing Distributed Systems
- Enterprise Cloud Strategy
- FinOps with Azure - Bringing FinOps to life through organizational and cultural alignment
- Get up and running with Kubernetes
- How to Choose the Right Azure Services for Your Applications—It's Not A or B E-book Series
- Learn Azure in a Month of Lunches
- Migrating Linux to Microsoft Azure

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- Migration SQL Server databases to Azure
 - Rethinking Enterprise Storage
 - The Developer's Guide to Azure

Official Repositories and Tools

Official Microsoft open-source initiatives and repositories.

- AKS Landing Zone Accelerator
- AKS Release Status
- ALZ Bicep
- APIM(Azure API Management)Love
- ARO (Azure Red Hat Openshift) Landing Zone Accelerator
- AVDAccelerator
- AVDBluePrint
- Alert Toolkit
- App Service Landing Zone Accelerator
- Azure Accelerators
- Azure AlwaysOn
- Azure Backup Detailed Estimate
- Azure Certification Poster
- Azure Certified IoT Device catalog
- Azure Certs Poster
- Azure Connectivity Toolkit (AzureCT)
- Azure Container Apps Workshop
- Azure DevOps Marketplace
- Azure Hybrid Use Benefit Calculator
- Azure Infrastructure Map
- Azure Integration Services Landing Zone Accelerator
- Azure Landing Zones for Canadian Public Sector
- Azure NoOps Accelerator
- Azure Pricing Calculator
- Azure Proactive Resiliency Library (APRL)
- Azure Quickstart Templates
- Azure Rapid Assessment Estimator
- Azure Resource Explorer
- Azure Review Checklists
- Azure Site Recovery Deployment Planner

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- [Azure Stack HCI Sizer](#)
 - [Azure Stack HCI Solutions](#)
 - [Azure Status](#)
 - [Azure Storage Explorer](#)
 - [Azure Threat Research Matrix](#)
 - [Azure Twitter](#)
 - [Azure Updates](#)
 - [Bicep subscription vending](#)
 - [Business Continuity Guide](#)
 - [Cloud Adoption Framework - Code samples and templates related to landing zone creation](#)
 - [Cloud Adoption Framework landing zones for Terraform - Starter template](#)
 - [Cloud Roles and Operations Management](#)
 - [Common Azure Bicep and ARM Modules Library](#)
 - [Data Management & Analytics Scenario - Data Landing Zone](#)
 - [DevOps Tooling for Well-Architected Recommendation Process](#)
 - [Enterprise-Scale - Reference Implementation](#)
 - [FastTrack for Azure - AKS Operations](#)
 - [FastTrack for Azure - Architectural Review](#)
 - [FastTrack for Azure - As a Service - Azure Design Review](#)
 - [FastTrack for Azure - Azure Live - How to deploy Azure services and infrastructure. Leverage Azure Pipeline for CI/CD](#)
 - [FastTrack for Azure - Azure Live Azure Purview](#)
 - [FastTrack for Azure - Azure Live Sessions](#)
 - [FastTrack for Azure - Azure Marketplace](#)
 - [FastTrack for Azure - Cloud Architecture](#)
 - [FastTrack for Azure - Foundations](#)
 - [FastTrack for Azure - FTA Live for Azure Sentinel](#)
 - [FastTrack for Azure - Governance](#)
 - [FastTrack for Azure - Identity](#)
 - [FastTrack for Azure - Landing Zone](#)
 - [FastTrack for Azure - Managed Disks](#)
 - [FastTrack for Azure - Modern Service Management](#)
 - [FastTrack for Azure - Monitoring](#)
 - [FastTrack for Azure - Networking](#)
 - [FastTrack for Azure - Vision AI Session Resources](#)
 - [FastTrack for Azure - Windows Virtual Desktop](#)
 - [Hybrid Cloud Deal Size Estimator](#)
 - [Microsoft Azure - Feedback](#)

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- Microsoft Datacenter Migration Program Kit (DCM Kit)
 - Microsoft Defender for Cloud
 - Microsoft Exam Simulator
 - Microsoft Kusto Detective Agency
 - Microsoft Sustainability Calculator
 - Mission LZ (Landing Zone)
 - Solution Architecture Questions
 - Static Web Apps CLI
 - Synapse Machine Learning
 - The Migration Guide
 - Total Cost of Ownership (TCO) Calculator
 - Virtual machines selector

Official Forums and Feedback

Official Microsoft product feedback sources.

- Azure Connection Program (ACP)
- Azure Governance & Deployments
- Microsoft Azure - General Feedback
- Microsoft Azure Arc Community Monthly Meetup
- Microsoft Q&A
- Tech Community - Azure

Official Meetups and Calls

Microsoft delivered community engagement meetings.

- Adaptive Cloud Community
- Azure Kubernetes Service (AKS) Community
- Azure ARM/Bicep Community Calls
- Azure Development Community Call
- Azure DSC Community Call
- Azure Landing Zone Community Calls
- Azure Static WebApps - Community Livestream
- Azure Tech Groups
- Cloud Security
- M365 Platform Community

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- Microsoft Reactor
 - PowerShell
 - Radius Community Meetings
 - Semantic Kernel Community Calls
 - Terraform
 - Windows Customer Connection

Official Podcasts

Official Microsoft podcasts.

- Getting Closer to Cloud
- Learn Azure in a Month of Lunches
- The Azure for Executives Podcast

Community

Links below are from community sources, websites, and channels.

Community Videos

Community videos.

- Azure explained in plain English videos
- Microsoft Azure Master Class
- Regain Control with Azure Governance

Community Podcasts

Community podcasts.

- Azure All Stars
- Azure Centric Podcast
- Azure Lunch
- Cloud Solution Architects podcast
- Ctrl+Alt+Azure
- Sarah Leans Podcast
- The Azure Podcast
- The Azure Security Podcast

Community Books

Community books, both physical and ebooks.

- Azure Architecture Explained
- Azure Security
- Cloud Solution Architect's Career Master Plan: Proven techniques and effective tips to help you become a successful solution architect
- Exam Ref AZ-104 Microsoft Azure Administrator
- Exam Ref AZ-303 Microsoft Azure Architect Technologies
- Exam Ref AZ-304 Microsoft Azure Architect Design
- Microsoft 365 Security for IT Pros
- Microsoft Azure Architect Technologies and Design
- Microsoft Azure Infrastructure Services for Architects: Designing Cloud Solutions

Community Articles

Community blogs and articles.

- Architecture in the Cloud
- Azure - Considerations for Dev/Test "Sandboxes"
- Azure Architecture - Design Principles and Lessons Learned
- Azure Citadel
- Azure DevOps and creating your Cloud Adoption Framework
- Deploy Azure Naming Tool into an Azure WebApp as a container
- How to write a design document for Azure
- Luke Murrays - Azure Blog
- Microsoft Azure - Wikipedia
- Microsoft Azure Naming Conventions
- Microsoft Azure Tagging Conventions
- Microsoft Sentinel in Action: Architect, design, implement, and operate Microsoft Sentinel as the core of your security solutions
- Study Guide for Azure Architect exam AZ-305: Part 1 – Design a Governance Solution
- Study Guide for Azure Architect exam AZ-305: Part 2 – Design Authentication and Authorization Solutions

Community Repositories and Tools

Community-created tools and repositories.

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- ASTERIOD Project (BETA)
 - Azure Architecture
 - Azure Architecture - Solution Requirement Consideration Checklist
 - Azure Arc Jumpstart (Arcbox)
 - Azure Charts
 - Azure Composite SLA Estimator
 - Azure Depreciation Dashboard
 - Azure Design Stencils
 - Azure Diagrams
 - Azure Governance Made Simple
 - Azure Governance made simple
 - Azure IP Ranges
 - Azure IPAM
 - Azure Network Security
 - Azure Optimization Engine
 - Azure permissions reference
 - Azure Price
 - Azure Quick Review
 - Azure Resource Inventory
 - Azure Serverless Community Library
 - Azure Services Periodic Table
 - Azure Speed
 - Azure Stack HCI Hands-on-lab guides
 - Azure Tenant Security Solution (AzTS)
 - Azure TRE
 - Azure Virtual Network Capacity Planner
 - Azure Workbench
 - AzureFeeds
 - AzADServicePrincipalInsights
 - AzAdvertiser
 - AzGovViz
 - AzTools
 - Cloud Custodian
 - Cloud Harmony
 - Cloud Journey
 - Cloud Native Architecture Mapbook
 - Continuous Cloud Optimization Insights
 - Docs Update Tracker

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- [dotnet-azure-naming](#)
 - [Managed Azure Bastion Savings Calculator](#)
 - [Microsoft Azure - Center for Internet Security](#)
 - [Microsoft Azure Security Control Mappings to MITRE ATT&CK](#)
 - [Microsoft Portals](#)
 - [MSLab](#)
 - [Must Learn KQL - the series, the book, the merch store](#)
 - [PSRule for Azure](#)
 - [Public Cloud Comparison](#)
 - [Service Bus Explorer](#)
 - [Terraform](#)
 - [The Azure Kubernetes Service Checklist](#)
 - [Traffic Flow in Common Azure Networking Patterns](#)
 - [WhatTheHack-collection of hackathons](#)
 - [\[cmd.ms\] the Microsoft Cloud command line](#)

Community Newsletter

Community-delivered newsletters.

- [AzureFeeds Newsletter](#)
- [Entra.News](#)

Community Forums

Community-delivered and supported forums.

- [Reddit - Azure](#)
- [Stack Overflow - Azure](#)

Community Discord

Community delivered and supported Discord.

- [100 Days of Cloud](#)
- [ITOpsTalk's server](#)
- [Microsoft Community](#)
- [PowerShell](#)
- [Reddit - Azure](#)

Community Slack

Community delivered and supported Slack.

- Ask an Azure Architect