

Transition from on-premises servers to Azure

Solutions for Success Education Series

Solutions for **Success**



POINT ALLIANCE

Agenda

- About Point Alliance
- Transition from on-premises servers to Azure.
- Next Steps
- Additional Information

Point Alliance

- Microsoft Modern Workplace Solution Designation
- Microsoft Gold Partner with 11 Competencies (legacy)
- 100% Microsoft Certified Team
- pointalliance.com/companyprofile



Modern Work



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I am a Microsoft Cloud customer

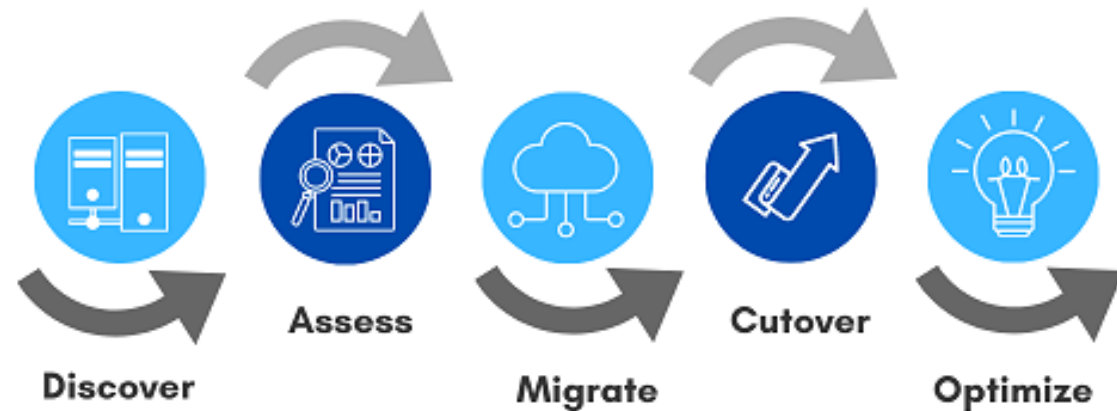
- I have migrated my email
- I have migrated my files
- Now what do I do with the remaining applications and servers?
- How do I get started with MS Azure?

Where do I start?

- Discover
- Assess
- Migrate/Deploy
- Manage cost and billing
- Release workloads
- Modernize
- Support

Migration Process Flow

A step-by-step guide



Azure Pricing Calculator

Pricing calculator

Calculate your estimated hourly or monthly costs for using Azure.

[Try Azure for free](#)

[Create a pay-as-you-go account](#)

[Log in](#) to save cost estimates and use your Azure agreement pricing.

Products

Example scenarios

Saved estimates

FAQs

Select a product to include it in your estimate.

Search products

Popular

Compute

Networking

Storage

Web

Mobile

Containers

Databases

Analytics

AI + machine learning

Virtual Machines

Provision Windows and Linux VMs in seconds

Storage Accounts

Durable, highly available, and massively scalable cloud storage

Azure SQL Database

Build apps that scale with managed and intelligent SQL database in the cloud

App Service

Quickly create powerful cloud apps for web and mobile

Azure Cosmos DB

Build or modernize scalable, high-performance apps

Azure Kubernetes Service (AKS)

Deploy and scale containers on managed Kubernetes

Azure Functions

Execute event-driven serverless code functions with an end-to-end development experience

Azure AI services

Add cognitive capabilities to apps with APIs and AI services

Microsoft Cost Management

Monitor, allocate, and optimize cloud costs with transparency, accuracy, and efficiency

Azure can be complicated

AI

- Azure AI Services
 - Face
 - Computer Vision
 - Content Moderator
 - Language Service
 - Translator Text
 - Language Understanding
 - Speech Services
 - Azure AI Anomaly Detector
- Azure Metrics Advisor
- Azure AI Search
- Azure Machine Learning
- Azure Databricks
- Azure AI Document Intelligence

Management Tools

- Automation
- Backup
- Site Recovery
- Scheduler
- Azure Monitor
- Traffic Manager
- Network Watcher
- Azure Policy
- Azure Advisor
- Azure Firewall

Security

- Key Vault
- Microsoft Entra ID(formerly Azure AD)
- Application Gateway
- VPN Gateway
- Microsoft Defender
- Microsoft Sentinel

Integration

- Service Bus
- API Management
- Event Grid

Compute

- Virtual Machines
- Virtual Machine Scale Sets
- App Service
- Batch processing
- Service Fabric
- Cloud Services
- Azure Functions
- Azure Dedicated Host
- Azure Spring Apps
- Azure HPC Cache

Internet of Things

- Azure IoT Hub
- Azure IoT Edge

Identity

- Microsoft Entra ID(formerly Azure AD)
- Azure Active Directory External Identities
- Microsoft Entra Domain Services
- Multi-Factor Authentication

Analysis

- Microsoft Purview
- Azure Synapse Analytics
- HDInsight
- Stream Analytics
- Power BI Embedded
- Azure Analysis Services
- Event Hubs
- Azure Data Factory
- SQL Server Integration Services
- Data pipelines

Networking

- Virtual Network
- Load Balancer
- Application Gateway
- VPN Gateway
- Content Delivery Network
- Traffic Manager
- ExpressRoute
- Data Transfer (Bandwidth)

Storage

- Storage
 - Block Blobs
 - Page blobs
 - Managed Disks
 - Files
 - Queues
 - Tables
 - Azure Data Lake Storage
- Backup
- Site Recovery
- Import/Export
- Azure Data Box
- Azure Data Box Disk

Media

- Media Services

Containers

- App Service
- Batch processing
- Service Fabric
- Container Registry
- Azure Kubernetes Service (AKS)
- Container Instances
- Azure Container Apps

Migration

- Site Recovery
- Database Migration Service
- Azure Migrate

Databases

- SQL Database
- Azure Synapse Analytics
- SQL Server Stretch Database
- Azure Cosmos DB
- Azure Cache for Redis
- Azure Database for MySQL
- Azure Database for PostgreSQL
- Azure Database for MariaDB
- Azure Data Factory
 - SQL Server Integration Services
 - Data pipelines
- Azure Data Explorer
- Database Migration Service
- Azure SQL Edge

- Event Hubs
- Event Grid
- Stream Analytics
- Logic Apps
- Notification Hubs
- Azure Cosmos DB
- API Management
- Azure Time Series Insights

- IP Address
- Network Watcher
- Azure DNS
- Azure Firewall
- Azure Virtual WAN
- Azure Bastion
- Azure Private Link
- Azure Firewall Manager
- Azure Route Server

Mobile

- App Service

Web

- App Service
- Notification Hubs
- API Management
- Content Delivery Network
- Azure SignalR
- Azure Web PubSub

Developer Tools

- App Configuration

Hybrid + Multicloud

- Azure Stack HCI
- Microsoft Entra ID(formerly Azure AD)
- Microsoft Defender

Azure Virtual Desktop

- Azure Virtual Desktop

High level approach

1. **Migrate your first workload:** Use the Azure migration guide to become familiar with the Azure native tools and approach to migration.
2. **Migration scenarios:** Use other migration tools and approaches to act on other migration scenarios.
3. **Best practices:** Address common migration needs through the application of consistent best practices.
4. **Process improvements:** Migration is a process heavy activity. As migration efforts scale, use these process improvements to evaluate and mature various aspects of migration.

Readying your landing zone for migration

1. Establishing hybrid connectivity
2. Prepare identity
3. Enable hybrid DNS
4. Configure hub firewall
5. Routing
6. Configure Monitoring and Management
7. Prepare for Defender for Cloud

1. Establishing hybrid connectivity

- During ALZ deployment, most organizations deploy a Connectivity subscription with a hub virtual network and network gateways – VPN, ExpressRoute, or both. After ALZ deployment, you must still configure hybrid connectivity from these gateways, connecting to your existing data center appliances or your ExpressRoute circuit.

2. Prepare identity

- During the ALZ deployment, organizations deploy supporting architecture for their identity platform. This involves a dedicated identity subscription or resource groups and a virtual network or subnets for the virtual machines used for identity. However, the actual identity resources must be deployed after the ALZ deployment.

3. Enable hybrid DNS

- Most organizations need to be able to resolve DNS requests for namespaces that are a part of the existing environments. These namespaces often require integration with Active Directory servers. In addition, resources in the existing environment must be able to resolve resources in Azure.

4. Configure hub firewall

- If you have deployed a firewall in your hub network, there are a few considerations that you should address to be ready to migrate workloads. Organizations can run into routing and network access issues by not addressing these earlier in their deployments.

5. Routing

- Azure itself provides routing for the following scenarios with no additional configuration:
 - Routing between resources in the same virtual network.
 - Routing between resources in peered virtual networks.
 - Routing between resources and a virtual network gateway, either in its own virtual network or a peered one set to use the gateway.

6. Configure Monitoring and Management

- As part of deploying your landing zone, you'll have provisioned policies that enroll your resources in Log Analytics. However, you have additional steps necessary to create alerts for your landing zone resources

7. Prepare for Defender for Cloud

- When you deploy your landing zone, you also set policies to enable [Defender for Cloud](#) for your Azure subscriptions. Defender for Cloud provides security posture recommendations through [Secure Score](#), which evaluates deployed resources against Microsoft's security baseline.

Nest Steps

1. Test out the Azure calculator - [Pricing Calculator | Microsoft Azure](#)
2. Put together a plan
3. Setup your Azure Landing Zone
4. Ask for assistance if required
5. Start the process

Thank you

Leave us a review

