



Konrad Sagała

Azure Landing Zone – fakty i mity



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Konrad Sagała – cloud architect w Banku Millennium

About Me

- Cloud Architect
- Microsoft Certified Trainer
- Microsoft MVP since 2007 – M365 Apps & Services
- Blog – <https://pepugmaster.blogspot.com>
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- Github - <https://github.com/ksagala>



Agenda

- Definitions
- Facts and hints
- Myths and lies

Definitions



What is Landing Zone?

- [AWS Definition](#)

- A landing zone is a well-architected, multi-account AWS environment that is scalable and secure. This is a starting point from which your organization can quickly launch and deploy workloads and applications with confidence in your security and infrastructure environment. Building a landing zone involves technical and business decisions to be made across account structure, networking, security, and access management in accordance with your organization's growth and business goals for the future.

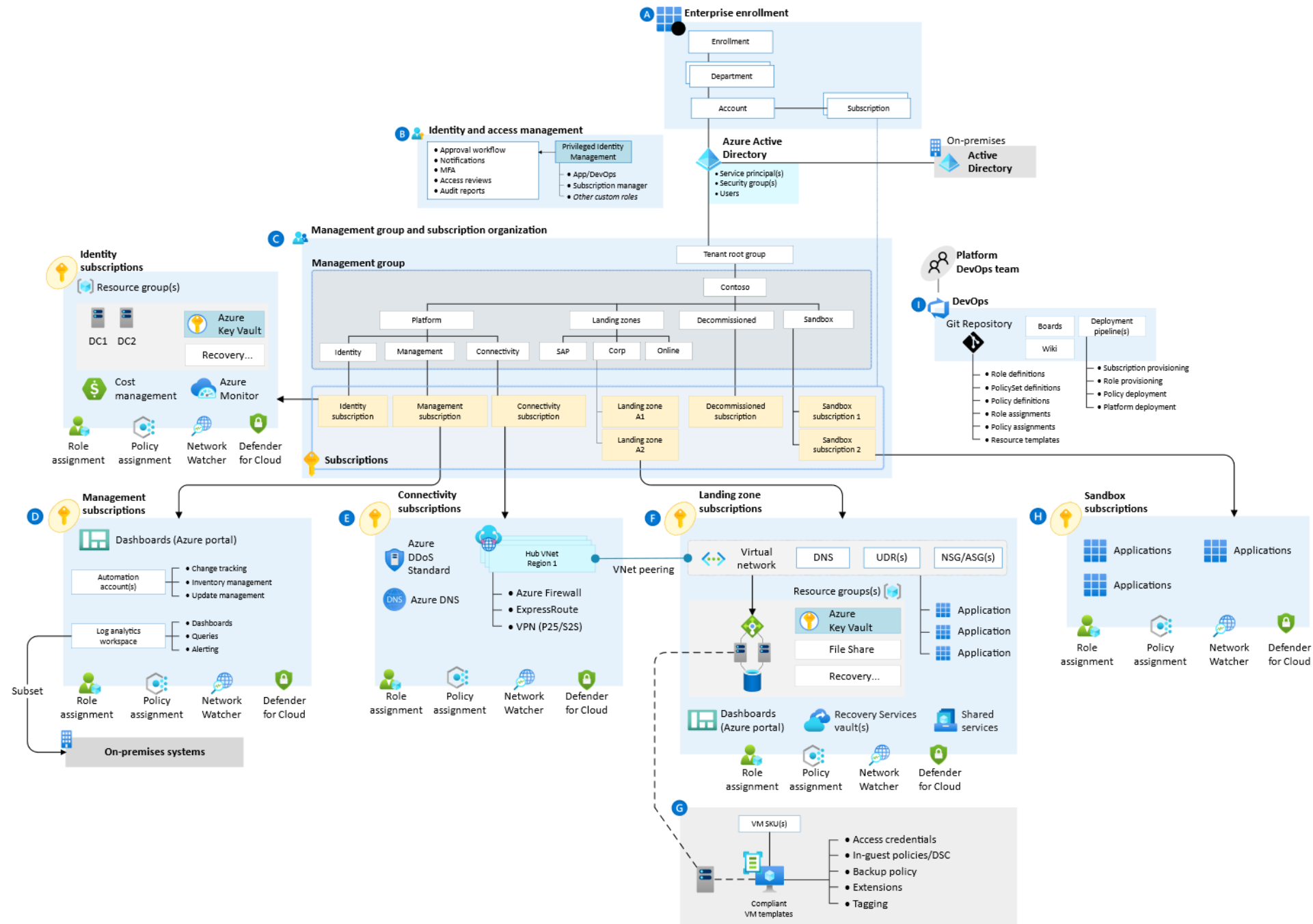
- [GCP Definition](#)

- A landing zone, also called a *cloud foundation*, is a modular and scalable configuration that enables organizations to adopt Google Cloud for their business needs. A landing zone is often a prerequisite to deploying enterprise workloads in a cloud environment.

- [Microsoft Definition](#)

- An Azure landing zone is the output of a multi-subscription Azure environment that accounts for scale, security governance, networking, and identity. An Azure landing zone enables application migration, modernization, and innovation at enterprise-scale in Azure. This approach considers all platform resources that are required to support the customer's application portfolio and doesn't differentiate between infrastructure as a service or platform as a service.

Azure Landing Zone – architecture

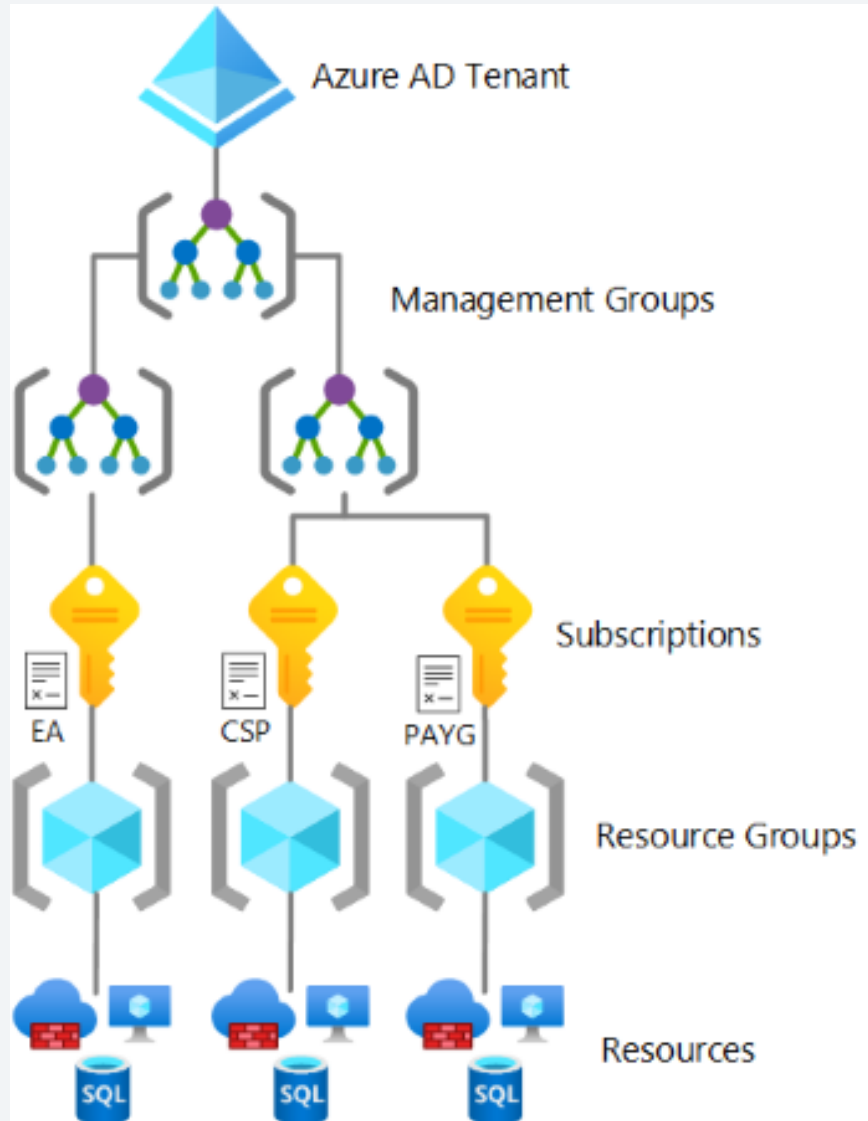


[Landing zone implementation options - Cloud Adoption Framework | Microsoft Learn](#)

Facts and hints



Azure Tenants and Subscriptions



[Azure billing offers and Active Directory tenants](#)
[- Cloud Adoption Framework | Microsoft Learn](#)

Principles for Landing Zones and possible types

Key principles

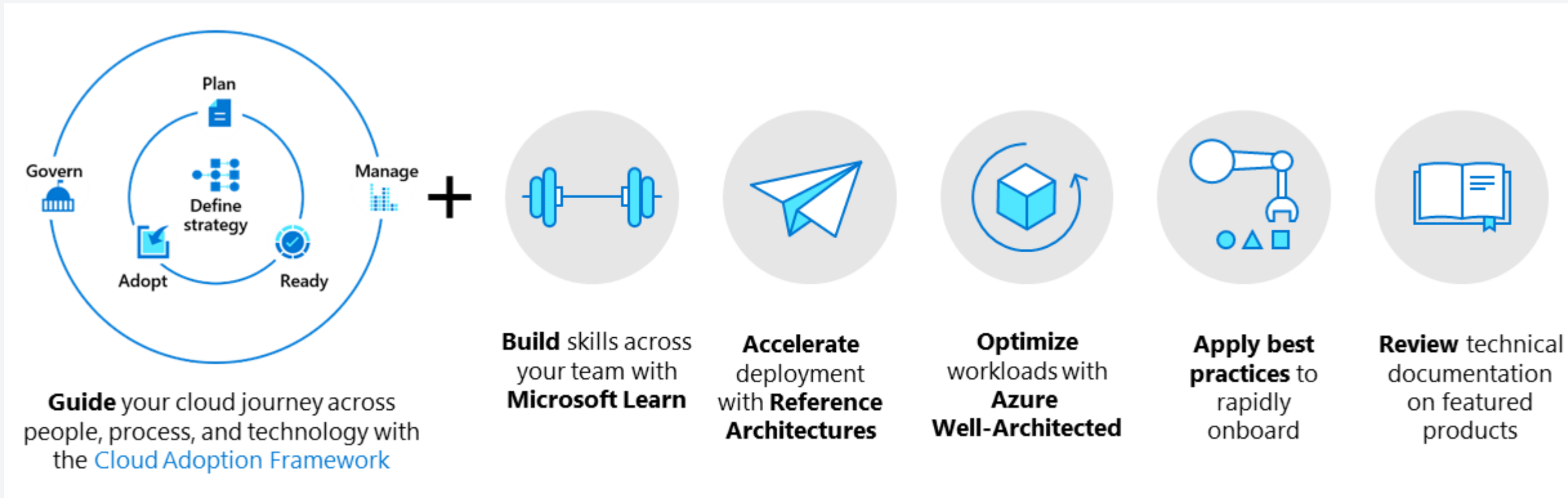
- 1** Use networking services
- 2** Set identity rules
- 3** Govern environment
- 4** Use security controls
- 5** Manage environment

Types of LZ's:

- Platform LZ – Centrally Managed
- App. / Workload LZ – env. per app. or workload

Azure Landing Zone - hints

Use Cloud Adoption Framework

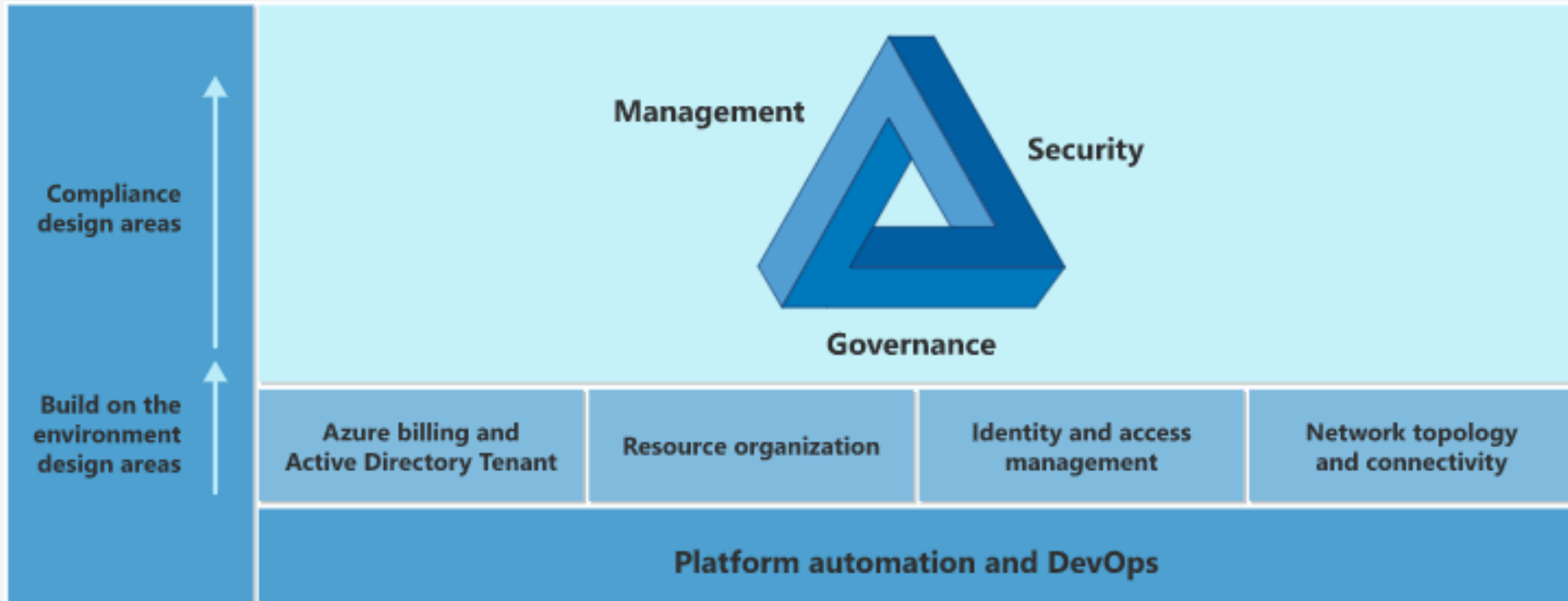


Align your teams

- [Cloud adoption functions](#) deliver technical solutions.
- [Cloud strategy functions](#) align technical change with business needs.
- [Cloud operations functions](#) support and operate adopted solutions.
- [Cloud center of excellence \(CCoE\) functions](#) improve quality, speed, and resiliency of adoption.
- [Cloud governance functions](#) manage risk.
- [Cloud platform functions](#) operate and mature the platform.
- [Cloud automation functions](#) accelerate adoption and innovation.
- [Cloud security functions](#) manage security risks.

Azure Landing Zone - hints

Design all areas



Azure Landing Zone - hints

Choose a landing zone option:

- Start small and expand - [CAF Foundation blueprint](#)
- Start with Enterprise Scale (deployment examples)

Example deployment	Description	GitHub repo
Enterprise-scale foundation	The suggested foundation for enterprise-scale adoption.	Example in GitHub
Enterprise-scale hub and spoke	Add a hub and spoke network module to the enterprise-scale foundation.	Example in GitHub
Enterprise-scale Virtual WAN	Add a Virtual WAN network module to the enterprise-scale foundation.	Example in GitHub
Enterprise-scale for small enterprises	Add a hub and spoke network architecture for small organizations.	Example in GitHub
Enterprise-scale for Azure Government	Reference implementation that can be deployed to Azure Government and includes all options in a converged portal experience.	Example in GitHub

Azure Landing Zone - hints

Use faster and more elastic deployment tools, with ARM, terraform or bicep

Deployment option	Description
<u>Azure landing zone Portal accelerator</u>	An Azure portal-based deployment that provides a full implementation of the conceptual architecture, along with opinionated configurations for key components such as management groups and policies.
<u>Azure landing zone Terraform accelerator</u>	This accelerator provides an orchestrator module, but also allows you to deploy each capability individually or in part.
<u>Azure landing zone Bicep accelerator</u>	A modular accelerator where each module encapsulates a core capability of the <u>Azure landing zone conceptual architecture</u> . While the modules can be deployed individually, the design proposes the use of orchestrator modules to encapsulate the complexity of deploying different topologies with the modules.

Myths and Lies



Few myths and misunderstandings

- You cannot use Azure without Landing Zone

Few myths and misunderstandings

- You cannot use Azure without Landing Zone
- You must pay Microsoft Partner for LZ deployment

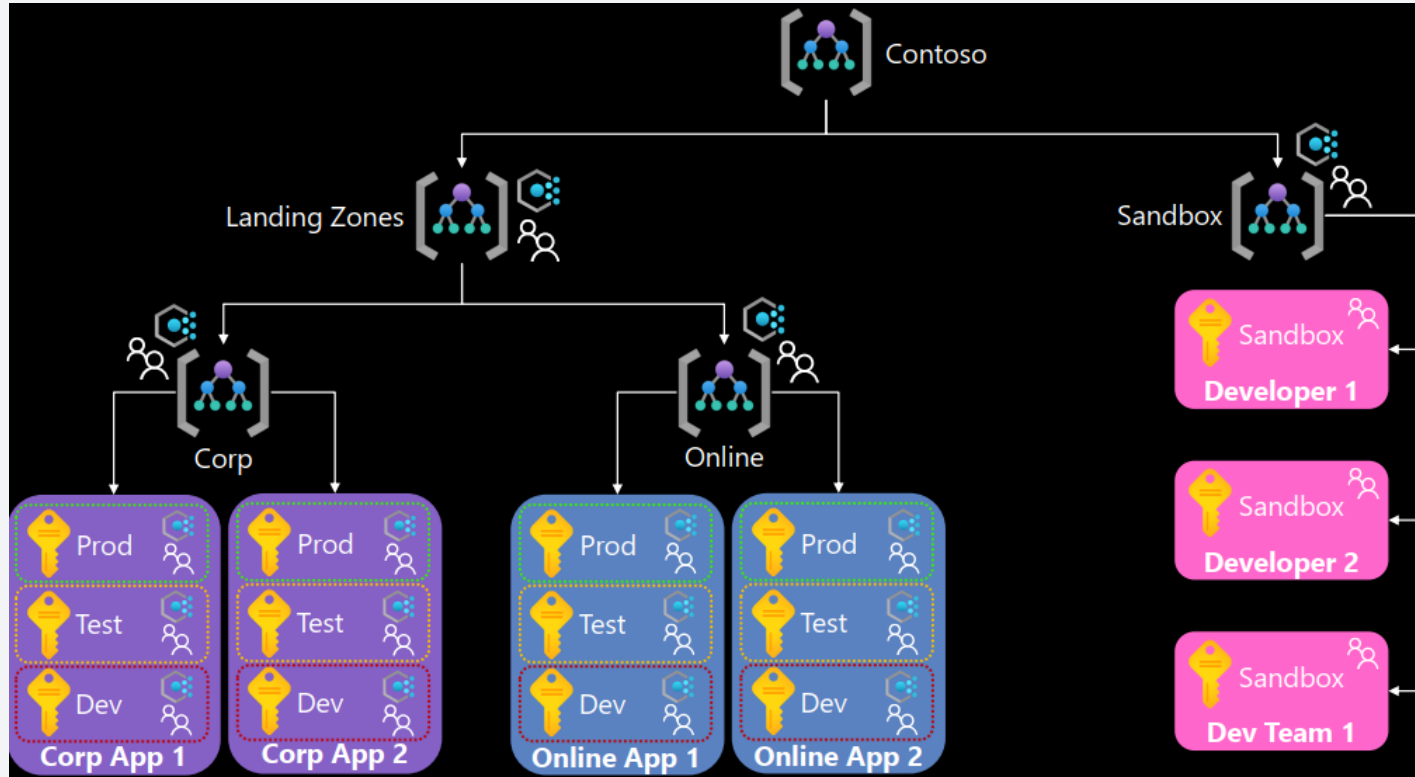
Few myths and misunderstandings

- You cannot use Azure without Landing Zone
- You must pay Microsoft Partner for LZ deployment
- There is only one way to properly deploy LZ

Few myths and misunderstandings

- You cannot use Azure without Landing Zone
- You must pay Microsoft Partner for LZ deployment
- There is only one way to properly deploy LZ
- You must deploy everything as an IaC
(Infrastructure as Code)

Few myths and misunderstandings



- Management groups should align to workloads
- There should be no difference in policies between environment type
- Splitting by environment does not scale well

Resources

- [Deploy Azure landing zones - Azure Architecture Center | Microsoft Learn](#)
- [Azure Landing Zone User Guide](#)
- [Microsoft Azure Well-Architected Framework - Azure Architecture Center | Microsoft Learn](#)
- [Deploy the Microsoft Cloud Adoption Framework Enterprise-Scale Module | Terraform | HashiCorp Developer](#)

Questions?



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