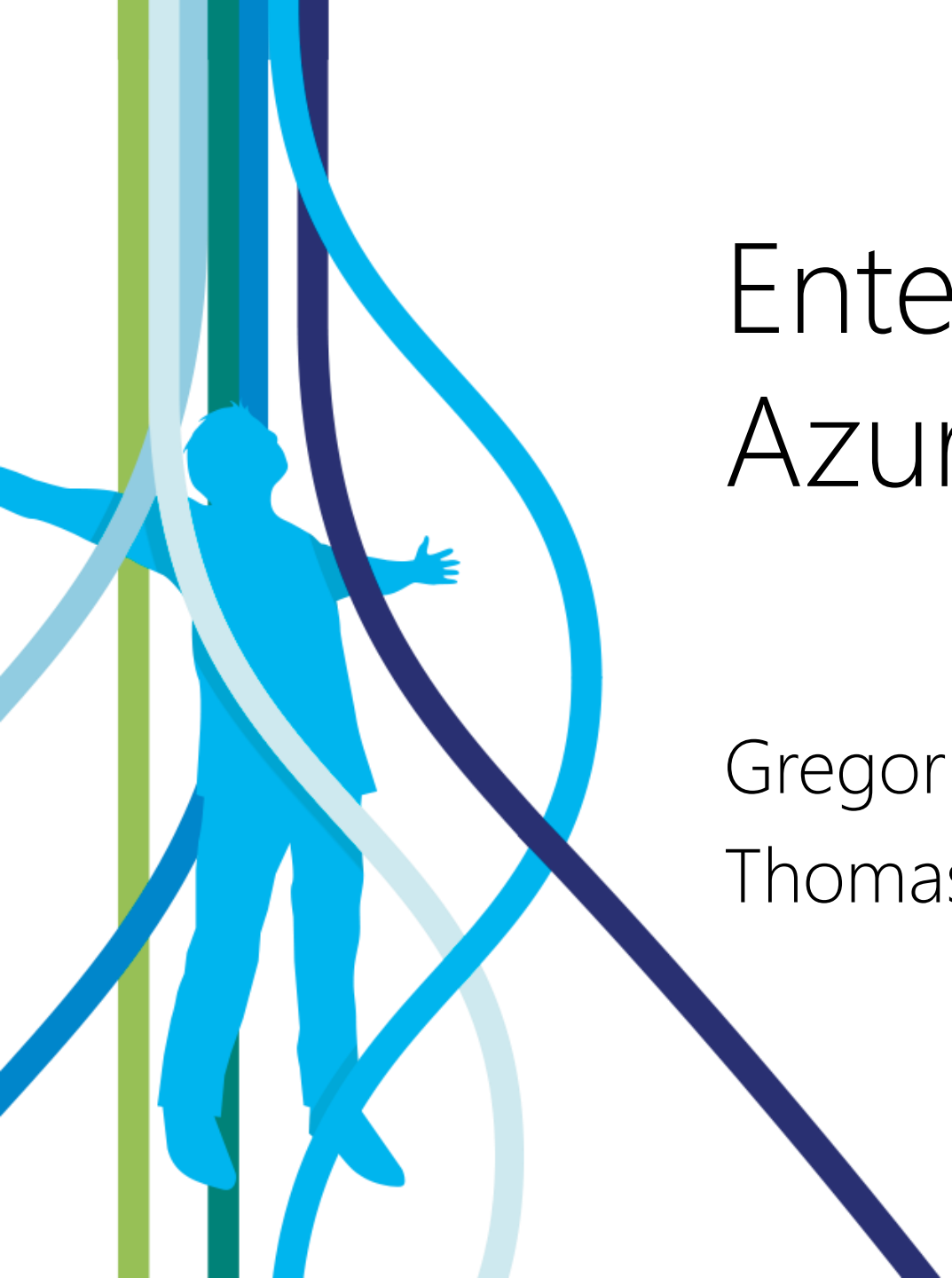


Enterprise-Scale und Azure Policies Quick Start

Gregor Reimling
Thomas Naunheim

Experts Live Germany

Gregor Reimling

Azure Meetup BONN

who is gregor reimling?

Searching for: **gregor reimling adesso**

Generating answers for you...

Gregor Reimling is working as a Cloud Solutions Architect for adesso SE to design, discuss and build Cloud solutions for and with customers. He is an active member of several communities since many years and shares his knowledge on conferences and user groups [1] [2] [3]

Learn more: +3 more

1 of 30

What is adesso SE?

Thomas Naunheim

Azure Meetup BONN

who is thomas naunheim?

Searching for: **who is thomas naunheim?**

Generating answers for you...

Thomas Naunheim is a Cloud Architect with focus on cloud-native, identity and security solutions in Microsoft Azure. He is involved in projects to design and implement cloud solutions (including evaluation of new cloud technology and products) in enterprise environments. You will find him blogging at “cloud-architekt.net” [1] [2] [3].

Learn more: +4 more

1 of 30

What is cloud-native?

What is Microsoft Azure?

Challenges of starting
Cloud Journey

Challenges of starting
Cloud Journey

Challenges of starting
Cloud Journey

Hey Bing, how should I start my cloud adoption in Microsoft Azure?

To start cloud adoption in Microsoft Azure, you can begin by reviewing your Azure platform readiness. Assess your plan to create a landing zone that will host the workloads that you build in the cloud or migrate to it. Conduct an Azure landing zone review. You can also use the Cloud Adoption Framework getting-started guides to unblock your organization's cloud adoption efforts [1] [2] [3]

I hope this helps! Let me know if you have any other questions.

Overview of Microsoft Cloud Frameworks

Azure Cloud Adoption Framework (CAF)

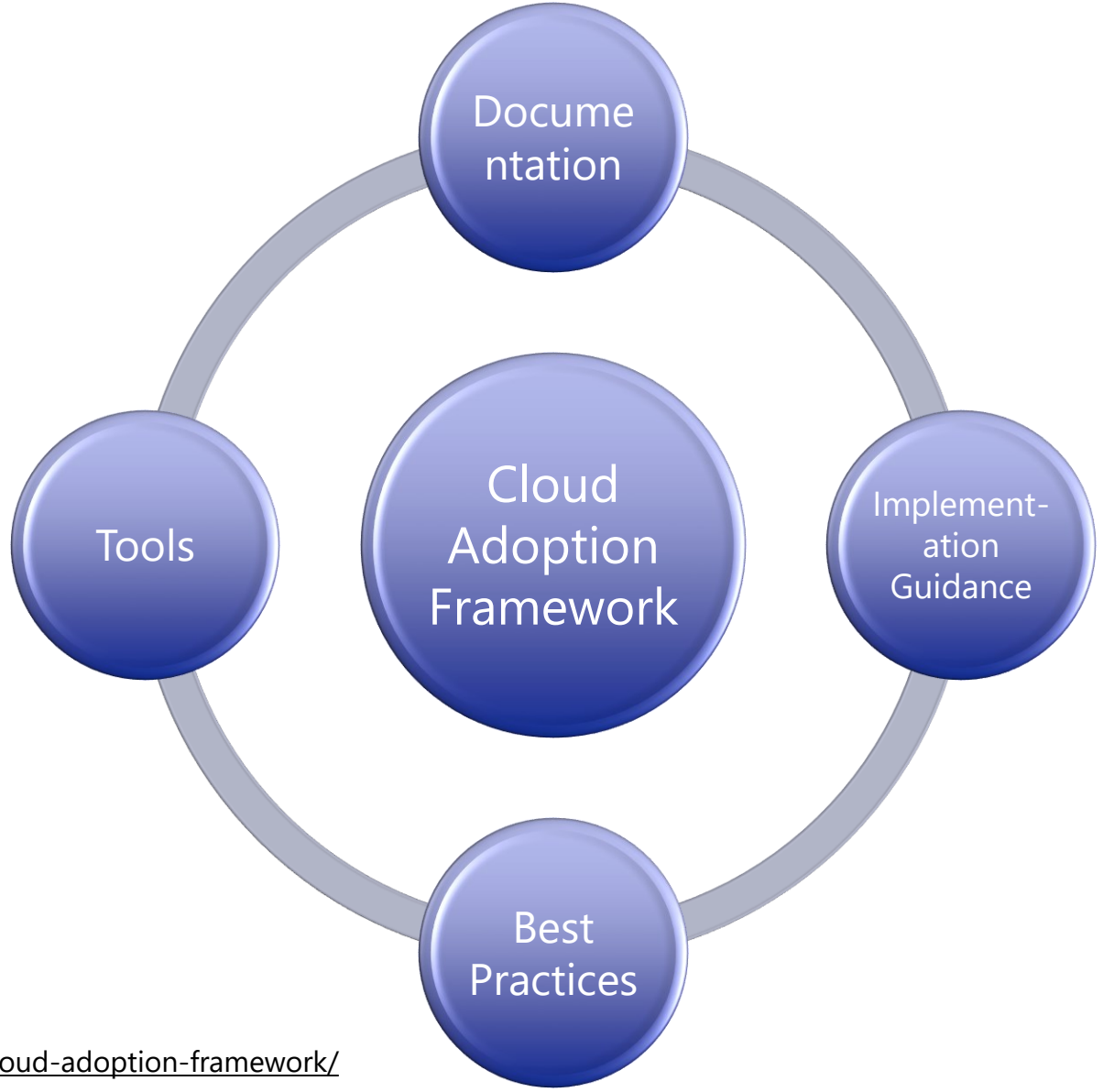
„The Cloud Adoption Framework is a collection of documentation, implementation guidance, best practices, and tools that are proven guidance from Microsoft designed to accelerate your cloud adoption journey."

Azure Well-Architected Framework (WAF)

"The Azure Well-Architected Framework is a set of guiding tenets that can be used to improve the quality of a workload."

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/

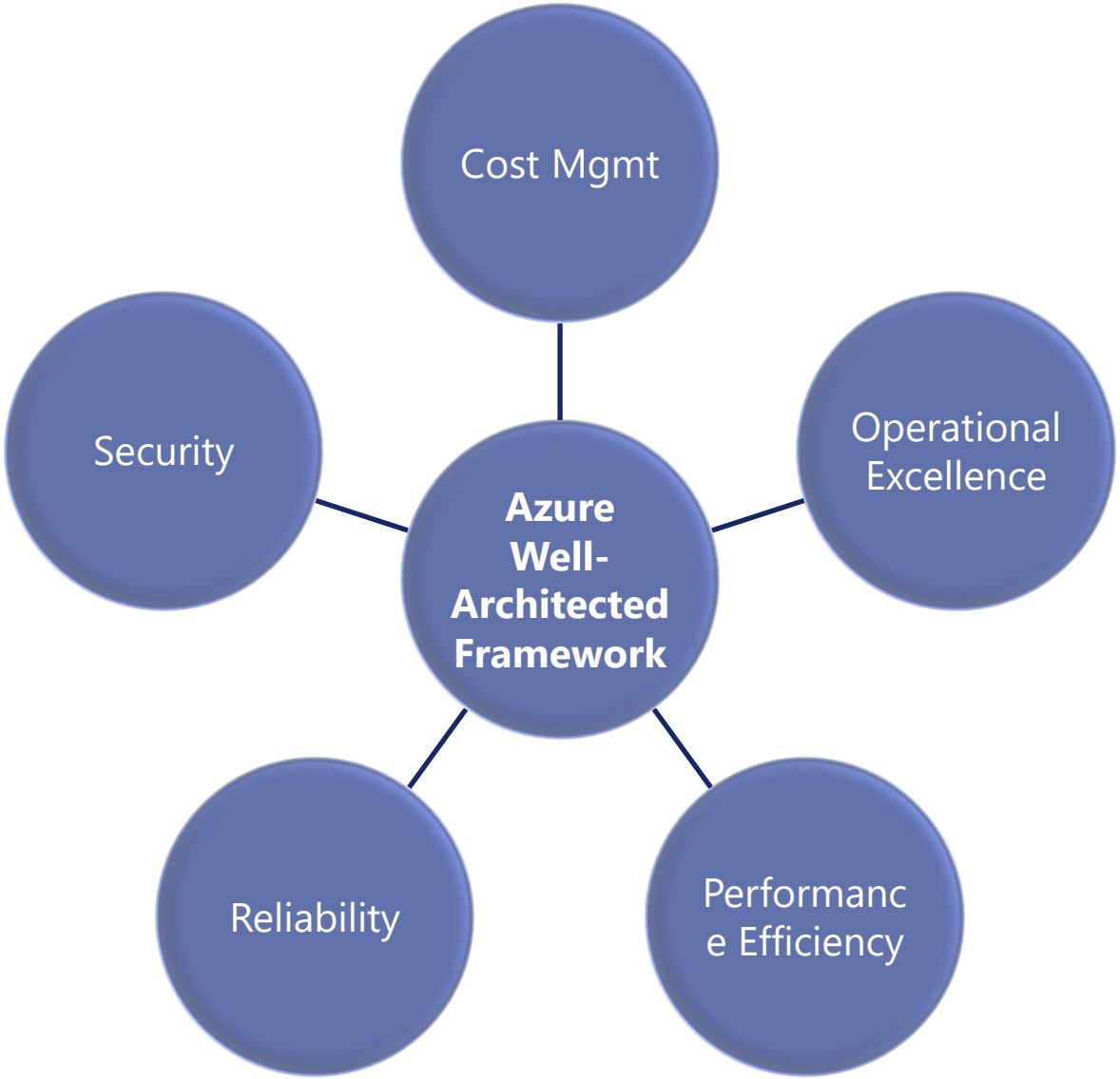
Cloud Adoption Framework



https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/

Well Architecture Framework

"The Azure Well-Architected Framework is a set of guiding tenets that can be used to improve the quality of a workload."



Azure Advisor

https://docs.microsoft.com/en-us/azure/architecture/framework/

Cloud Adoption Framework
Well Architecture Framework

DEMO

Enterprise Scale Landing Zones

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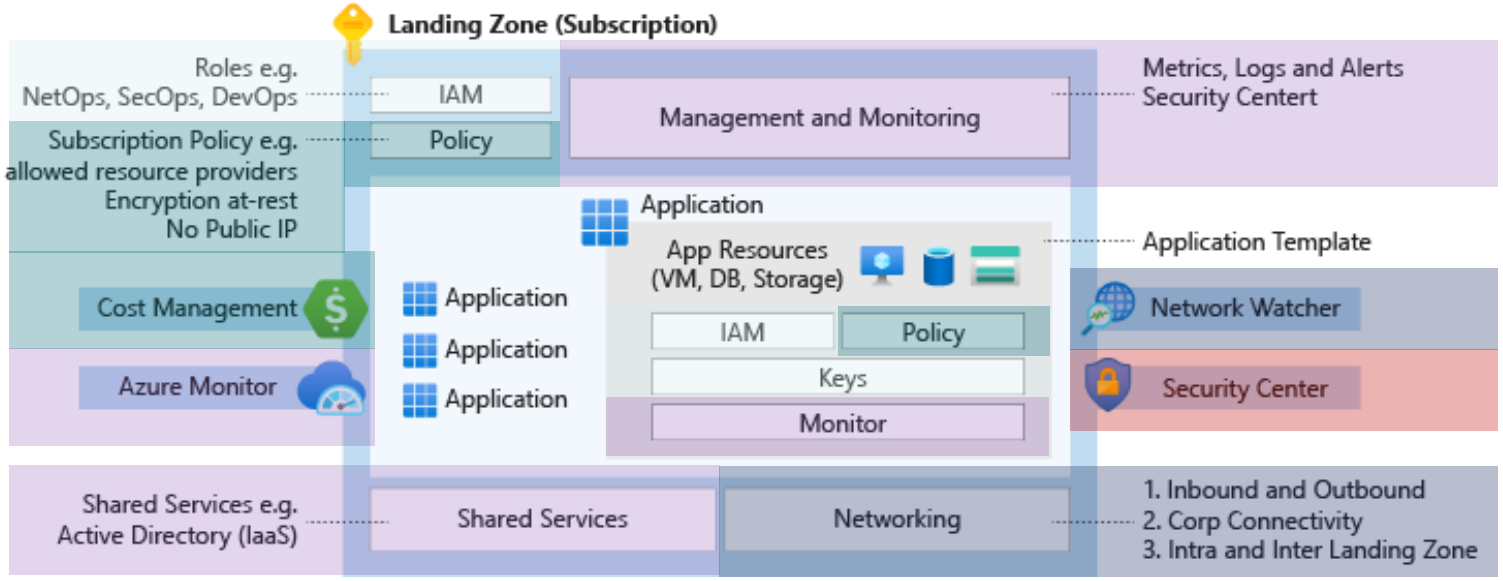
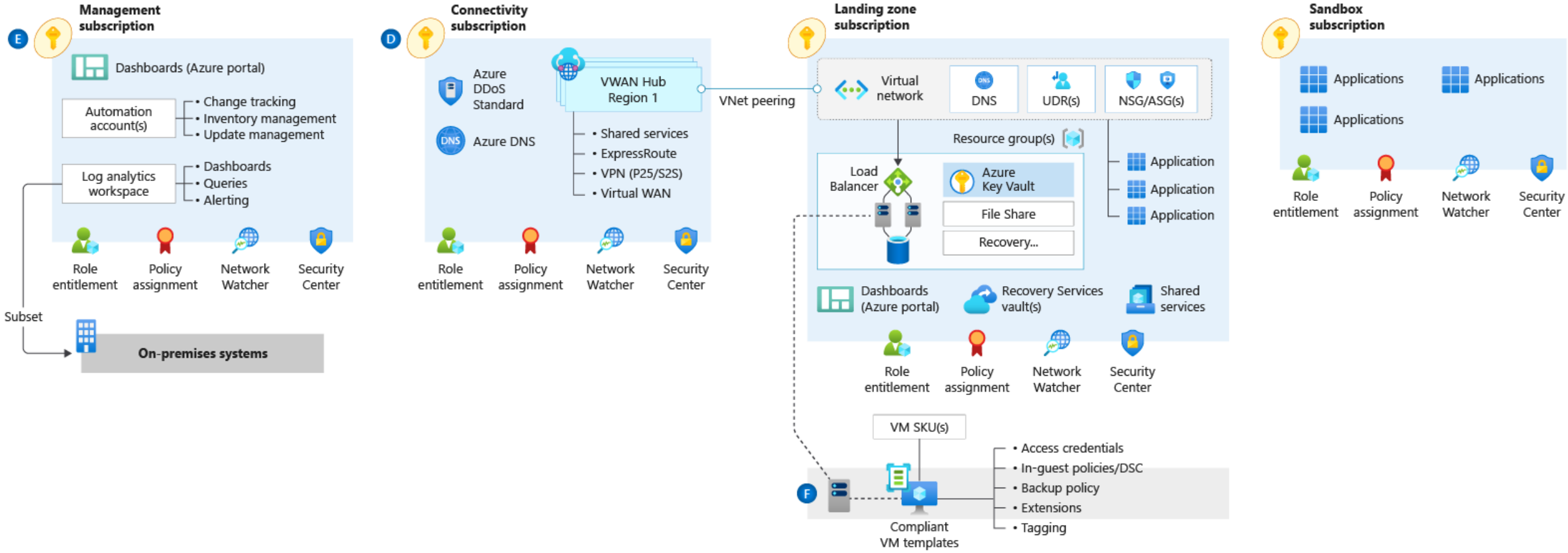
Design areas of Landing Zone(s)



Connectivity, Identity, Governance, Operations and Security

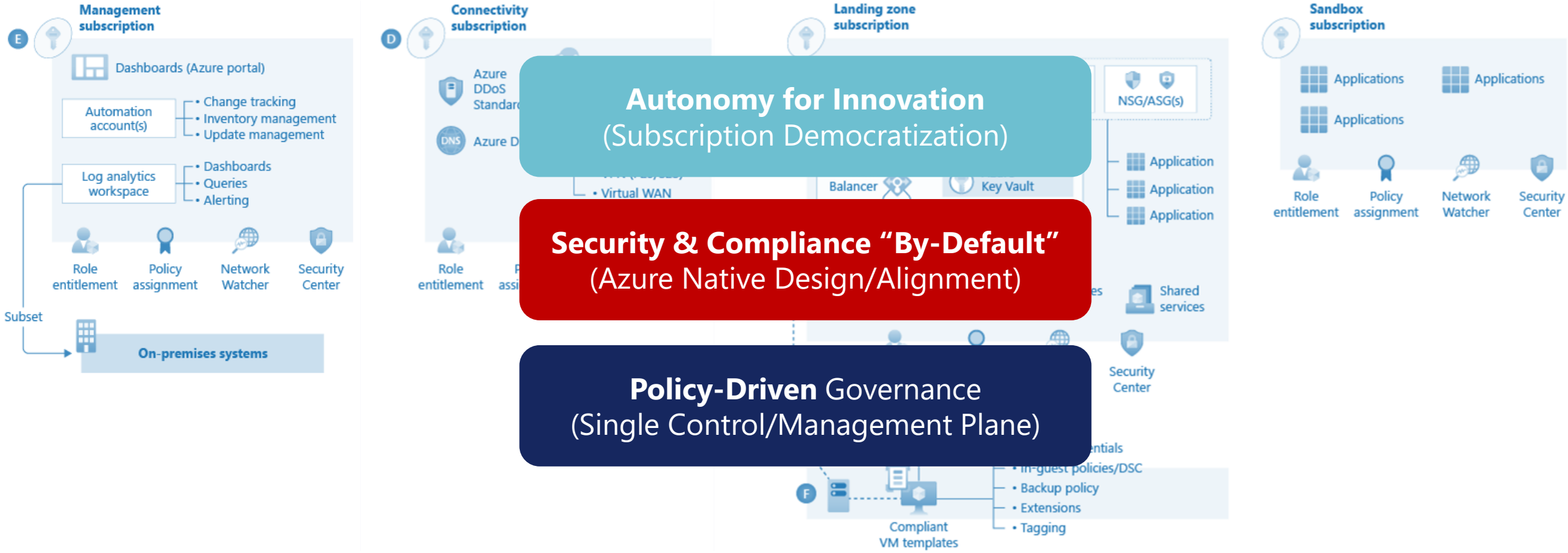
Source: Cloud Adoption Framework enterprise-scale landing zone architecture

Enterprise-Scale Design Principles



Source: GitHub-Repo "Azure/Enterprise-Scale" - Deploy Enterprise-Scale foundation

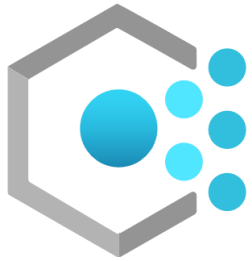
Enterprise-Scale Design Principles



Source: GitHub-Repo "Azure/Enterprise-Scale" - Deploy Enterprise-Scale foundation

Enterprise-Scale
Deployment

DEMO



Azure Policy and Defender for Cloud

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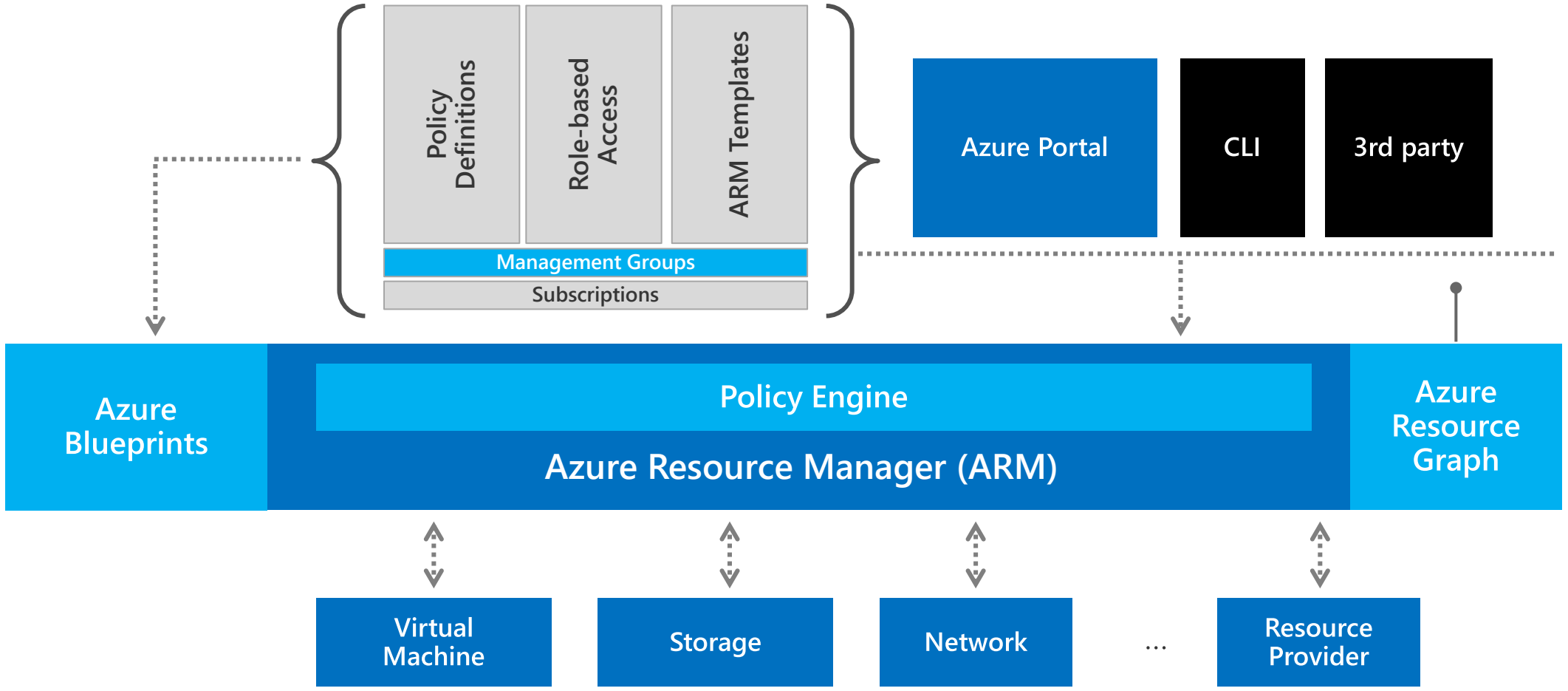
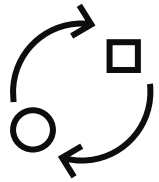
Azure Governance Architecture



Azure Policy

- Turn on built-in policies or build custom ones for all resource types
- Real-time policy evaluation and enforcement
- Periodic & on-demand compliance evaluation
- VM In-Guest Policy

Enforcement & Compliance



- Apply policies to a Management Group with control across your entire organization
- Apply multiple policies and & aggregate policy states with policy initiative
- Exclusion Scope

Apply policies at scale

- Real time remediation
- Remediation on existing resources

Remediation

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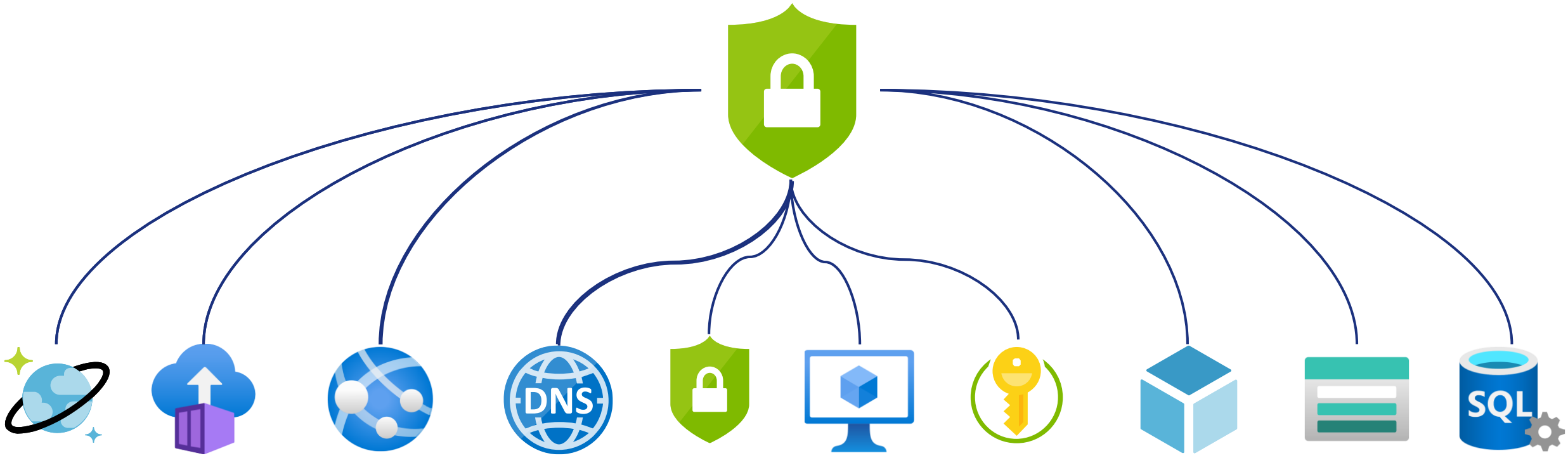
How it works together

- All recommendations based on **Azure Policy**
- Secure score is result of Azure Policy settings
- Recommendations are a result of Azure Policy
- All Azure Policies are defined in Compliance mode
- Azure Policy settings will firstly applied when Subscription is created

Microsoft Defender for Cloud

Defender for Cloud Threat Protection



Defender for Azure Cosmos DB

Defender for Containers

Defender for App Service

Defender for DNS

Defender for CSPM

Defender for Servers

Defender for Key Vault

Defender for Resource Manager

Defender for Storage

Defender for SQL

Azure Policy

DEMO

Azure Policies ❤ Enterprise-Scale

Operationalization AzOps and Quality Gates in Azure DevOps DevOps

DEMO

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Feedbackbogen abgeben und Geschenk mitnehmen

Vielen Dank!

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