

This month's presenters:



# Azure Landing Zones

29<sup>th</sup> January 2025 - External Community Call



## Registration:

<https://aka.ms/ALZ/CommunityCall>

## Agenda (please add suggestions):

<https://aka.ms/ALZ/CommunityCallAgenda>

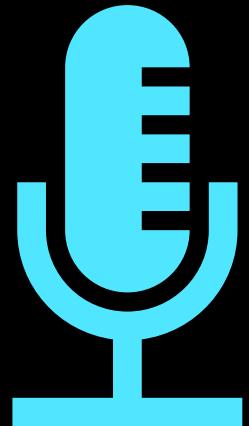
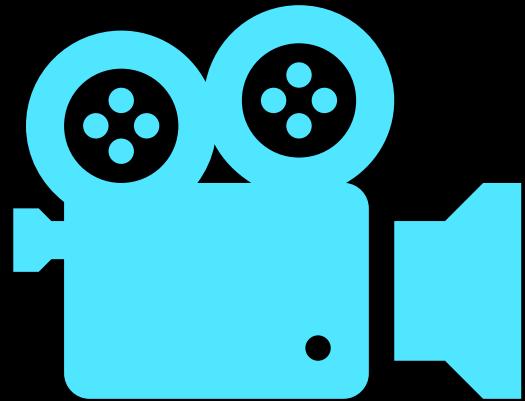




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*Also, this event will be recorded and shared publicly with others, including Microsoft's global customers, partners, employees, and service providers. The recording may include your name and any questions you submit to Q&A.*



**This meeting is being recorded**





Want to hear about the latest Azure Landing Zone events, news, surveys etc.?

If so, sign up to our mailing list:

[aka.ms/alz/notifications/signup](https://aka.ms/alz/notifications/signup)

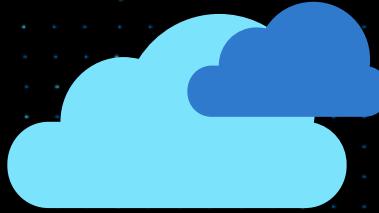


You can also opt out, if registered, by heading to:  
[aka.ms/alz/notifications/optout](https://aka.ms/alz/notifications/optout)

Azure Landing Zones -  
Notifications - Sign Up



# Before we get started...

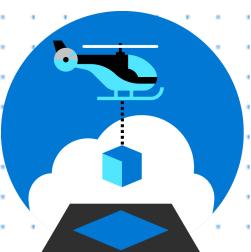


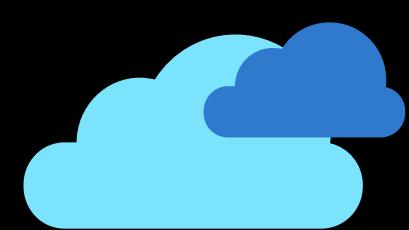
At any point, if you have a question please put it  
in the chat!

*(we have members of the team here to help 😎)*

Also we may stop and discuss your  
question/point at that time, we want this to be  
an open discussion with all of you 😊







# Implementation Options & Accelerators



# Accelerators



## Cloud operating model roles and responsibilities

The Cloud Adoption Framework describes four common cloud operating models. The Azure identity and access for landing zones recommends five role definitions (Roles) you should consider if your organization's cloud operating model requires customized Role Based Access Control (RBAC). If your organization has more decentralized operations, the Azure built-in roles may be sufficient.

The table below outlines the key roles for each of the cloud operating models.

| Role   | Decentralized operations | Centralized operations           | Enterprise operations           | Distributed operations  |
|--|--------------------------|----------------------------------|---------------------------------|---|
| Azure platform owner (such as the built-in Owner role) | Workload team            | Central cloud strategy           | Enterprise architect in CCoE    | Based on portfolio analysis - see Business alignment and Business commitments |
| Network management (NetOps)                            | Workload team            | Central IT                       | Central Networking in CCoE      | Central Networking for each distributed team + CCoE                           |
| Security operations (SecOps)                           | Workload team            | Security operations center (SOC) | CCoE + SOC                      | Mixed - see: Define a security strategy                                       |
| Subscription owner                                     | Workload team            | Central IT                       | Central IT + Application Owners | CCoE + Application Owners   |
| Application owners (DevOps, AppOps)                    | Workload team            | Workload team                    | Central IT + Application Owners | CCoE + Application Owners   |

Azure Architecture Center

Browse all Architectures

Architecture icons

What's new

Landing zones

### Deployment Options

Design guides

Landing zone implementations

Bicep landing zone implementation

Terraform landing zone implementation

Subscription vending implementation

## Subscription Vending

Once the platform landing zone is in place, the next step is to create and operationalize application landing zones for workload owners. Subscription democratization is a [design principle](#) of Azure landing zones that uses subscriptions as units of management and scale. This approach accelerates application migrations and new application development.

[Subscription vending](#) standardizes the process for requesting, deploying, and governing subscriptions, enabling application teams to deploy their workloads faster. To get started, see [subscription vending implementation guidance](#), then review the following infrastructure-as-code modules. They provide flexibility to fit your implementation needs.

### Deployment option

| Deployment option  | Description  |
|--|--|
| Bicep Subscription Vending      | The Subscription Vending Bicep module is designed to accelerate deployment of the individual landing zones (aka Subscriptions) within an Azure Active Directory Tenant on EA, MCA & MPA billing accounts.    |
| Terraform Subscription Vending  | The Subscription Vending Terraform module is designed to accelerate deployment of the individual landing zones (aka Subscriptions) within an Azure Active Directory Tenant on EA, MCA & MPA billing accounts |

[aka.ms/ALZ/AAC](http://aka.ms/ALZ/AAC)

## Platform

The options below provide an opinionated approach to deploy and operate the [Azure landing zone conceptual architecture](#) as detailed in the Cloud Adoption Framework (CAF). It's important to note that, depending upon customizations, the resulting architecture might not be the same for all the options listed below. The differences between the options are how you deploy the architecture. They use differing technologies, take different approaches and are customized differently.

| Deployment option                        | Description  |
|--|--|
| Azure landing zone Portal accelerator    | 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.  |
| Azure landing zone Terraform accelerator | This accelerator provides an orchestrator module, but also allows you to deploy each capability individually or in part.   |
| Azure landing zone Bicep accelerator     | A modular accelerator where each module encapsulates a core capability of the <a href="#">Azure landing zone conceptual architecture</a> . 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. |

In addition, after deploying the landing zone, you will need to plan to operate it and maintain it. Review the guidance on how to [Keep your Azure landing zone up to date](#).

## Application

Application landing zones are one or more subscriptions that are deployed as environments for workloads or applications. These workloads can take advantage of services deployed in platform landing zones. The application landing zones can be centrally managed applications, decentralized workloads, or technology platforms such as Azure Kubernetes Service that host applications.

You can use the options below to deploy and manage applications or workloads in an application landing zone.

### Application

| Application  | Description   |
|--|---|
| AKS landing zone accelerator                                 | An open-source collection of ARM, Bicep, and Terraform templates that represent the strategic design path and target technical state for an Azure Kubernetes Service (AKS) deployment.  |
| Azure App Service landing zone accelerator                   | Proven recommendations and considerations across both multi-tenant and App Service Environment use cases with a reference implementation for ASEv3-based deployment   |
| Azure API Management landing zone accelerator                | Proven recommendations and considerations for deploying APIM management with a reference implementation showcasing App Gateway with internal APIM instance backed Azure Functions as backend.   |
| SAP on Azure landing zone accelerator                        | Terraform and Ansible templates that accelerate SAP workload deployments using Azure Landing Zone best practices, including the creation of Infrastructure components like Compute, Networking, Storage, Monitoring & build of SAP systems. |
| HPC landing zone accelerator                                 | An end-to-end HPC cluster solution in Azure using tools like Terraform, Ansible, and Packer. It addresses Azure Landing Zone best practices, including implementing identity, Jump-box access, and autoscale.                               |
| Azure VMware Solution landing zone accelerator               | ARM, Bicep, and Terraform templates that accelerate VMware deployments, including AVS private cloud, jumpbox, networking, monitoring and add-ons.   |
| Azure Virtual Desktop Landing Zone Accelerator               | ARM, Bicep, and Terraform templates that accelerate Azure Virtual Desktop deployments, including creation of host pools, networking, storage, monitoring and add-ons.   |
| Azure Red Hat OpenShift landing zone accelerator             | An open source collection of Terraform templates that represent an optimal Azure Red Hat OpenShift (ARO) deployment that is comprised of both Azure and Red Hat resources.  |
| Azure Arc landing zone accelerator for hybrid and multicloud | Arc enabled Servers, Kubernetes, and Arc-enabled SQL Managed Instance see the Jumpstart ArcBox overview.  |



# ALZ Public Roadmap

## [aka.ms/ALZ/](https://aka.ms/ALZ/) Roadmap

Azure Landing Zones Public Roadmap

Backlog | By priority | By size

Filter by keyword or by field

Discard

We are thinking about... 1

Draft  
CAF Naming Alignment (ALZ Portal, Terraform, Bicep Implementations)  
Low Large

What we are working on... 10

Draft  
Azure Policy Versioning ALZ strategy  
High Medium

Draft  
RBAC Constrained Delegation for ALZ  
High Small

Draft  
Zone redundancy enhancements  
High Medium

Draft  
Multi-region for ALZ  
High Medium

What we have completed 15

Draft  
Bicep automation in the ALZ Accelerator  
High X-Large

Draft  
Subscription vending guidance for common application landing zone vending scenario's  
Medium Medium

Draft  
MMA Deprecation (MMA --> AMA or Alternatives)  
High X-Large

Draft  
CAF IAM docs refresh  
Medium Large

What  
Draft  
'Enterprise-S Zones' (repo)  
Low





# ALZ What's New?

[aka.ms/ALZ/WhatsNew](https://aka.ms/ALZ/WhatsNew)



## Updates

Here's what's changed in Enterprise Scale/Azure Landing Zones:

### December 2024

#### Tooling

- Updated the [Baseline alerts and monitoring](#) integration section in the portal accelerator to deploy the latest release of AMBA (2024-12-10). To read more on the changes, see the [What's new](#) page in the AMBA documentation.

### November 2024

#### Tooling

- A bug was resolved in the Portal Accelerator that caused deployment validation to fail with the error message "The 'location' property must be specified for 'amba-id-amba-prod-001'". This event happened when a Log Analytics Workspace was not deployed, but Azure Monitor Baseline Alerts were enabled. This issue occurred because Azure Monitor Baseline Alerts depend on the management subscription, which is not provided if the Log Analytics Workspace is not deployed. To address this scenario, an additional section was implemented in the Baseline alerts and monitoring tab allowing the selection of a Management subscription when not deploying a Log Analytics Workspace.
- Updated the [Baseline alerts and monitoring](#) integration section in the portal accelerator to deploy the latest release of AMBA (2024-11-01). To read more on the changes, see the [What's new](#) page in the AMBA documentation.

#### Documentation

- Link for the Bicep Subscription Vending changed to AVM (Azure Verified Modules)

### Policy Refresh Q1 FY25

- Updated ALZ custom policies enforcing minimum TLS versions to properly evaluate the minimum TLS version, ensuring services configured to deploy TLS 1.3 will successfully evaluate.
- Updated the initiative [Deploy-MDFC-Config\\_20240319](#) to the newer version of DCSPM: Configure Microsoft Defender CSPM plan
- Updated [Deploy-Private-DNS-Generic](#) policy to include the ability to configure the location/region.
- Removed duplicate assignment and portal option of [Deploy Azure Policy Add-on to Azure Kubernetes Service clusters](#) at Landing Zones scope, as this policy is assigned in the initiative [Deploy Microsoft Defender for Cloud configuration at Intermediate Root scope](#).



# CAF What's New?

The screenshot shows a Microsoft Learn page for the Azure Cloud Adoption Framework. The left sidebar has a 'What's new' section highlighted. The main content area features a large heading 'What's new in the Microsoft Cloud Adoption Framework for Azure'. Below it is a summary paragraph about the collaborative nature of the framework and its releases. At the bottom, there's a call to action to partner with them.

Learn | **Learn** Discover ▾ Product documentation ▾ Development languages ▾ Topics ▾

Azure Products ▾ Architecture ▾ Develop ▾ Learn Azure ▾ Troubleshooting Resources ▾

Filter by title

Cloud Adoption Framework for Azure

About the Framework

**What's new**

- > Scenarios
- > Adoption journeys
- > Strategy
- > Plan
- > Ready
- > Adopt
- > Govern
- > Manage
- > Secure
- > Organize
- > Resources

Learn / Azure / Cloud Adoption Framework / Get started /

## What's new in the Microsoft Cloud Adoption Framework for Azure

Article • 07/01/2025 • 34 contributors

Feedback

### In this article

- December 2024
- November 2024
- October 2024
- September 2024

Show 8 more

We build the Microsoft Cloud Adoption Framework collaboratively with our customers, partners, and internal Microsoft Teams. We release new and updated content for the framework as it becomes available. These new releases pose an opportunity for you to test, validate, and refine the Cloud Adoption Framework guidance along with us.

Partner with us in our ongoing effort to develop the Cloud Adoption Framework.





# We shared this last time...

A screenshot of a website titled "Azure Landing Zones Documentation". The page includes a search bar, a breadcrumb navigation bar with the current page name, and a "Edit page" button. The main content area is labeled "Azure Landing Zones Documentation" and contains placeholder text "TBC...". The footer provides credits for Hugo and the MIT License, and includes a "Back to top" link.

Navigation

Azure Landing Zones Documentation

Edit page

## Azure Landing Zones Documentation

TBC...

Built with [Hugo](#) and ❤️  
Content licensed under [MIT License](#)

Back to top





# And it's becoming a reality...

[aka.ms/ALZ/TechDocs](https://aka.ms/ALZ/TechDocs)

## Azure Landing Zones Documentation

Search... Azure Landing Zones Documentation Edit page

### Navigation

- Bootstrap**
- Accelerator**
  - User Guide
  - Starter Modules
  - FAQ
  - Troubleshooting
  - Contributing
  - Upgrade Guide
- Bicep**
- Terraform**
  - Getting started
  - How-Tos
    - Using a custom library
    - Modifying policy assets (archetypes)
  - Modifying Policy Assignments
  - Modifying the Management Group Hierarchy
  - Using a self-hosted ALZ Library
  - Updating the module and library version

### Known Issues

## Azure Landing Zones Documentation

Welcome to the Azure Landing Zones technical documentation site. This site provides guidance on how to deploy and manage Azure Landing Zones using the solutions we provide.

Use the navigation links on the left to explore the documentation.

### Definitions and Concepts

Please see our [documentation on Learn](#) for an introduction to the concepts that we will build on here.

### The Azure Landing Zones Journey

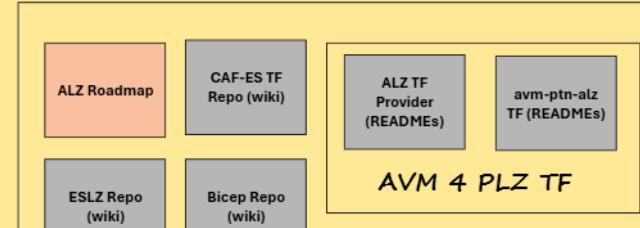
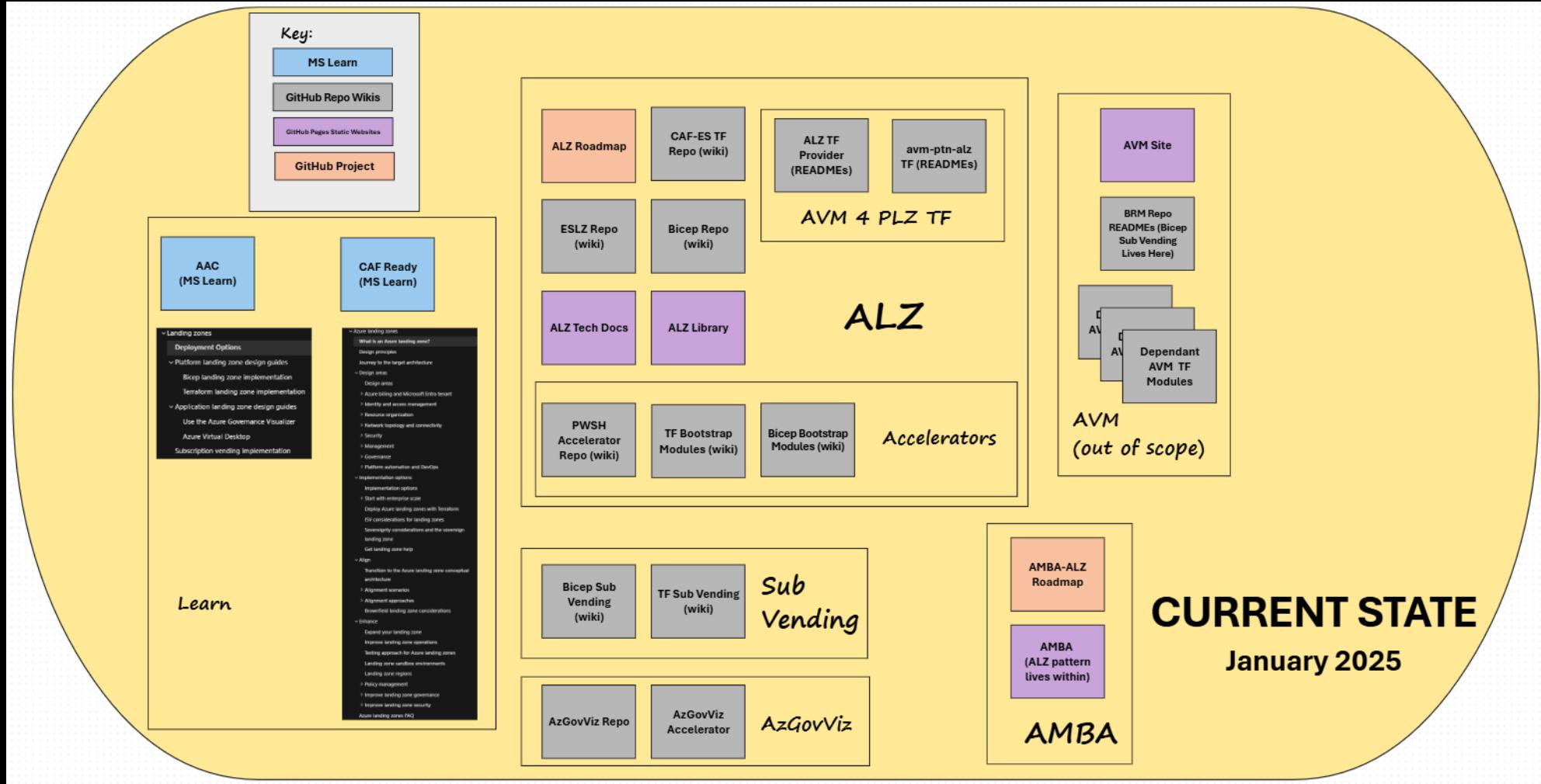
The Azure Landing Zones journey is a multi-step process that starts with bootstrapping your environment and ends with the deployment of workloads.

The diagram illustrates the four steps of the Azure Landing Zones Journey:

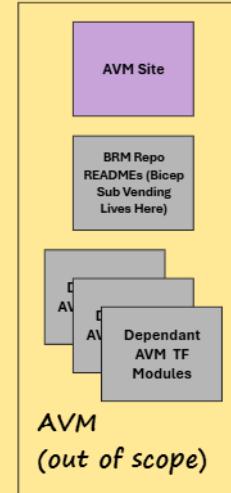
- Create Platform Subs**: Whether you're a Brownfield or Greenfield customer, if you're looking to implement a new ALZ environment based on best practices, you'll require multiple subscriptions.
- Create Platform**: Accelerate the deployment of platform resources based upon ALZ conceptual architecture. Deployment options are available via Azure portal, Terraform and Bicep. They assist with the deployment of management group hierarchy, governance baseline, connectivity, management and security components.
- LZ Vending**: To accelerate the deployment of individual landing zones within an Azure tenant, a subscription vending solution is recommended. Vending helps deploy a subscription and the core resources, e.g., networking. Subscription vending is available using both Terraform and Bicep.
- Deploy workload landing zone components**: There are multiple Landing Zone accelerators that provide a specific architectural approach and reference implementation for workload scenarios. These accelerators prepare landing zone subscriptions for enterprise deployments like Azure Virtual Desktop, SAP, AKS etc. These accelerators are available in a wide range of deployment options.



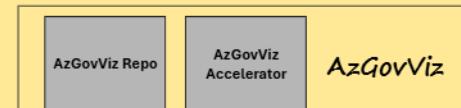
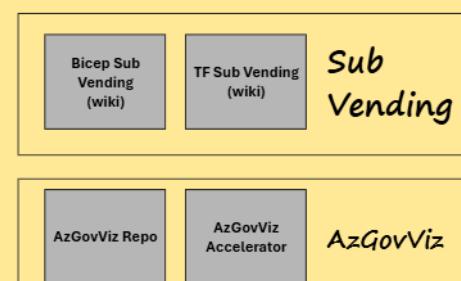
# But we aren't stopping there...



**Accelerators**

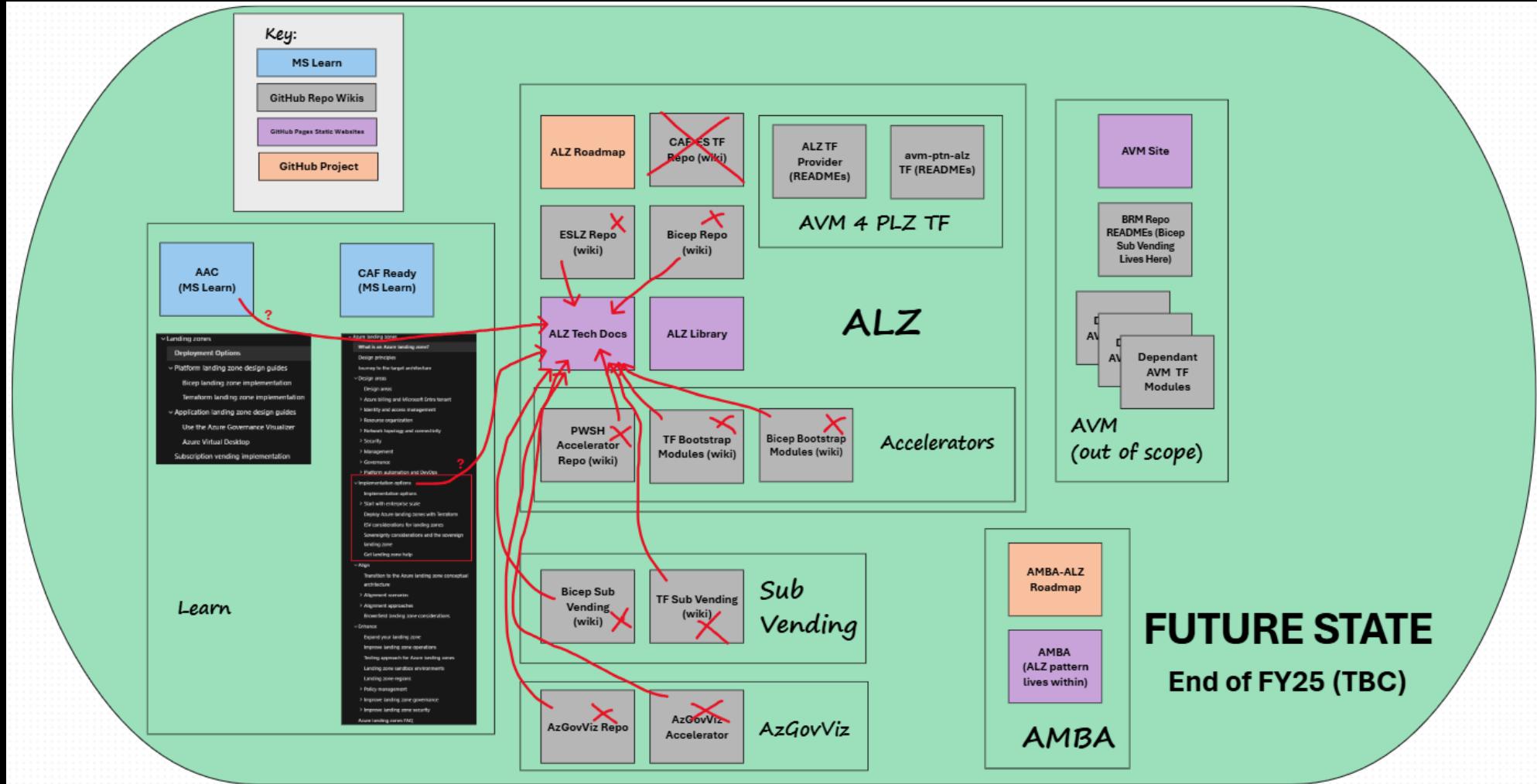


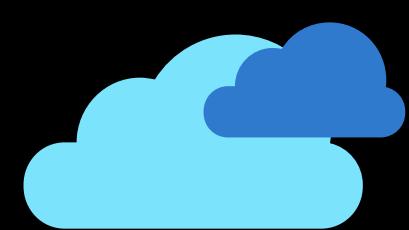
**CURRENT STATE**  
January 2025



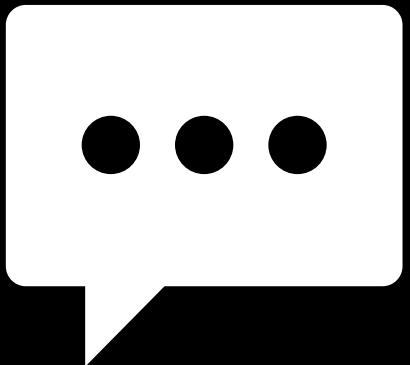


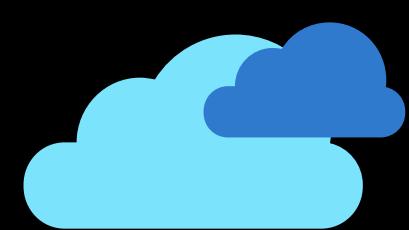
# But we aren't stopping there...





Asks from you





# Asks from you



cjalous1 3 weeks ago

Not sure if this is a bit off-topic, but I would be really interested in having a deep dive on the [azure landing zone library](#).

- What are the possibility for expanding its usage outside the bicep/terraform deployments?
- How to use the alzlibtool
- Building our own libraries
- etc.



4



v1ferranij 14 minutes ago

Could you please go over the recommendations on using shared resources such as Application Gateways, AKS Clusters, Azure DevOps Agents etc when following the CAF guidelines, where is the recommended place shared resources should live, what Subscription?

I know the recommendation on Application Gateways is to sit within each App LZ, however, we have found a lot of clients are against this due to cost management and would rather have them as a shared resource.

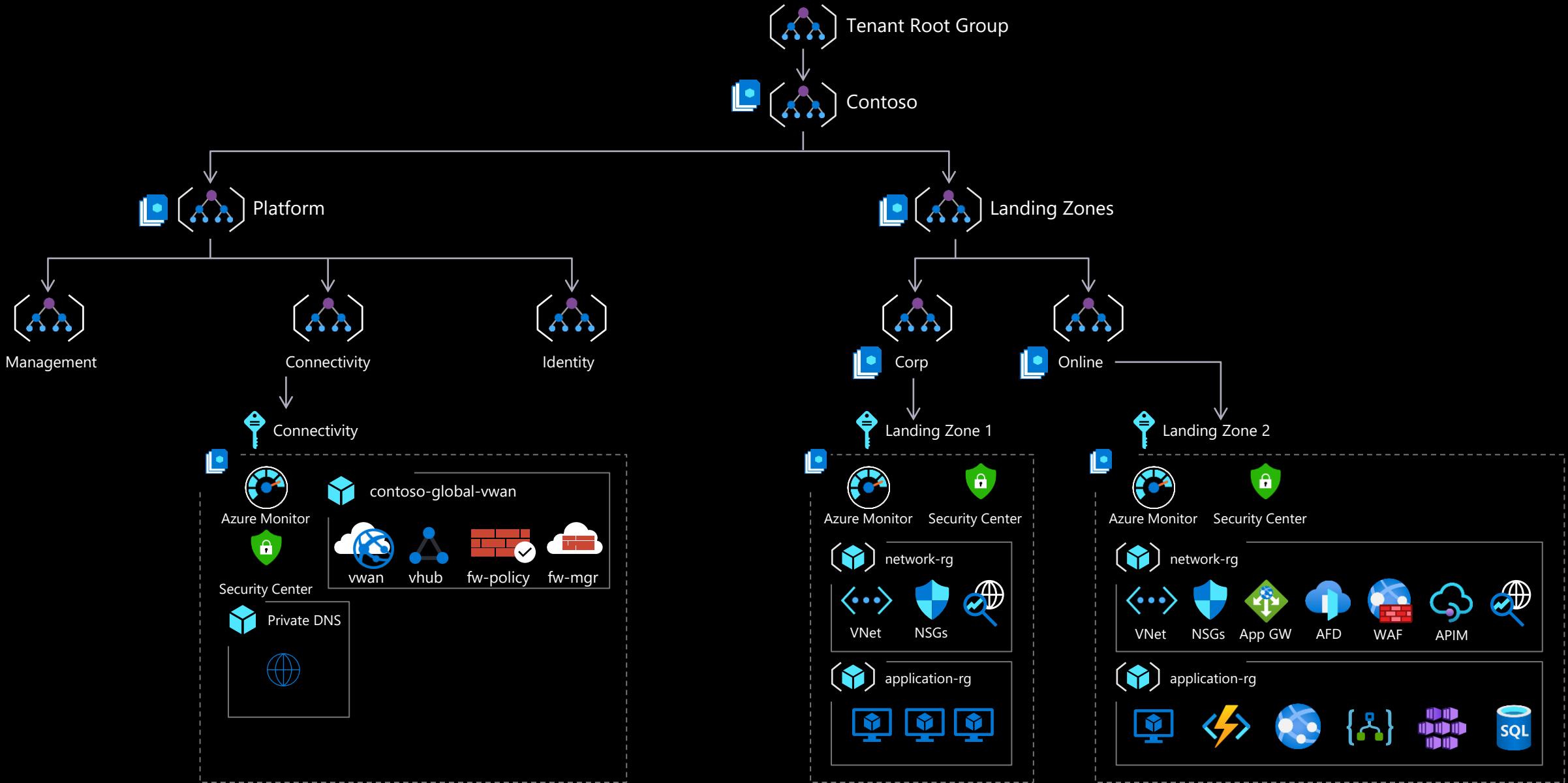
Guidance on this matter would be very beneficial to everyone.



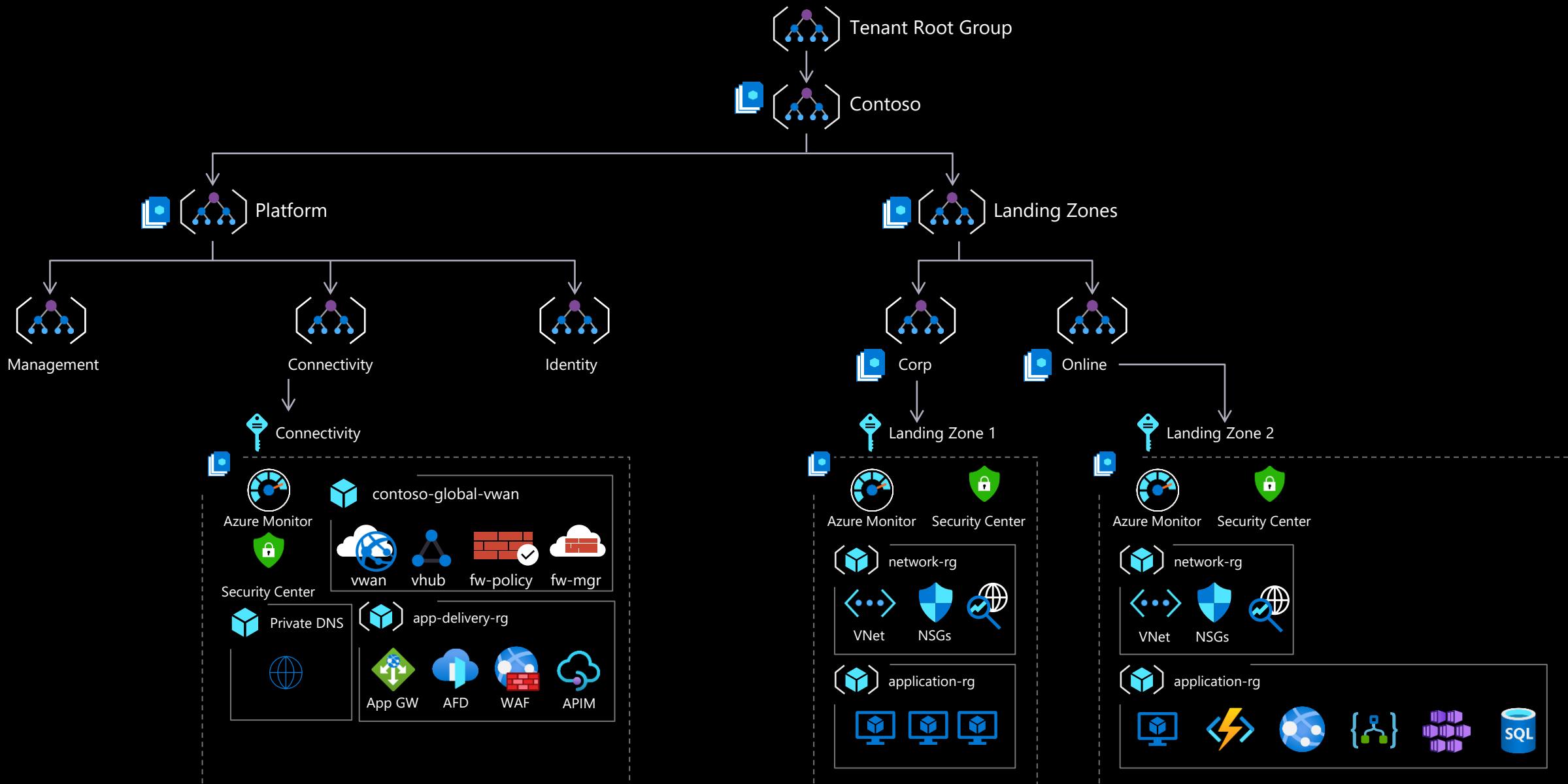
2



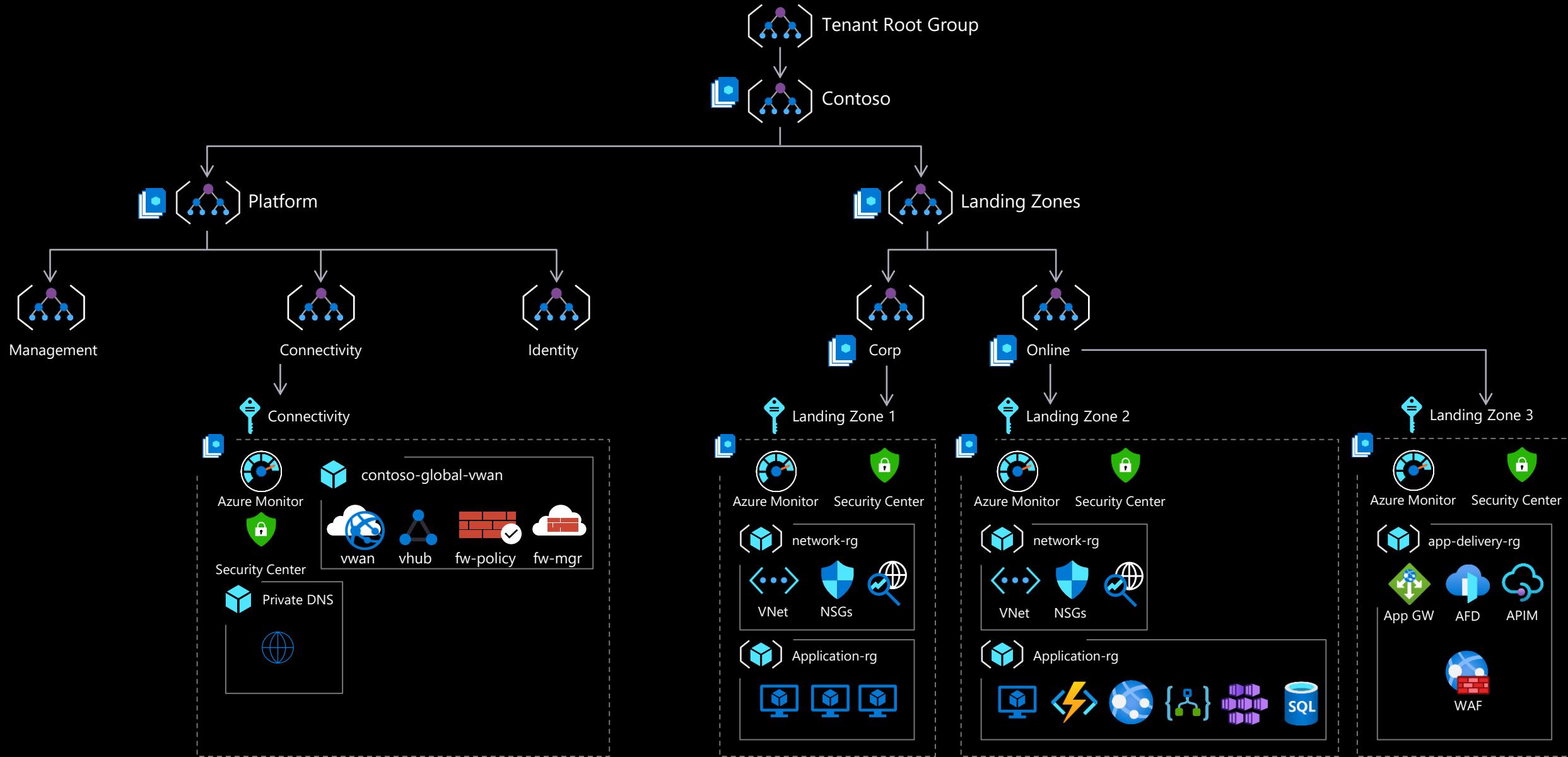
# Application Delivery in Landing Zones - Decentralized

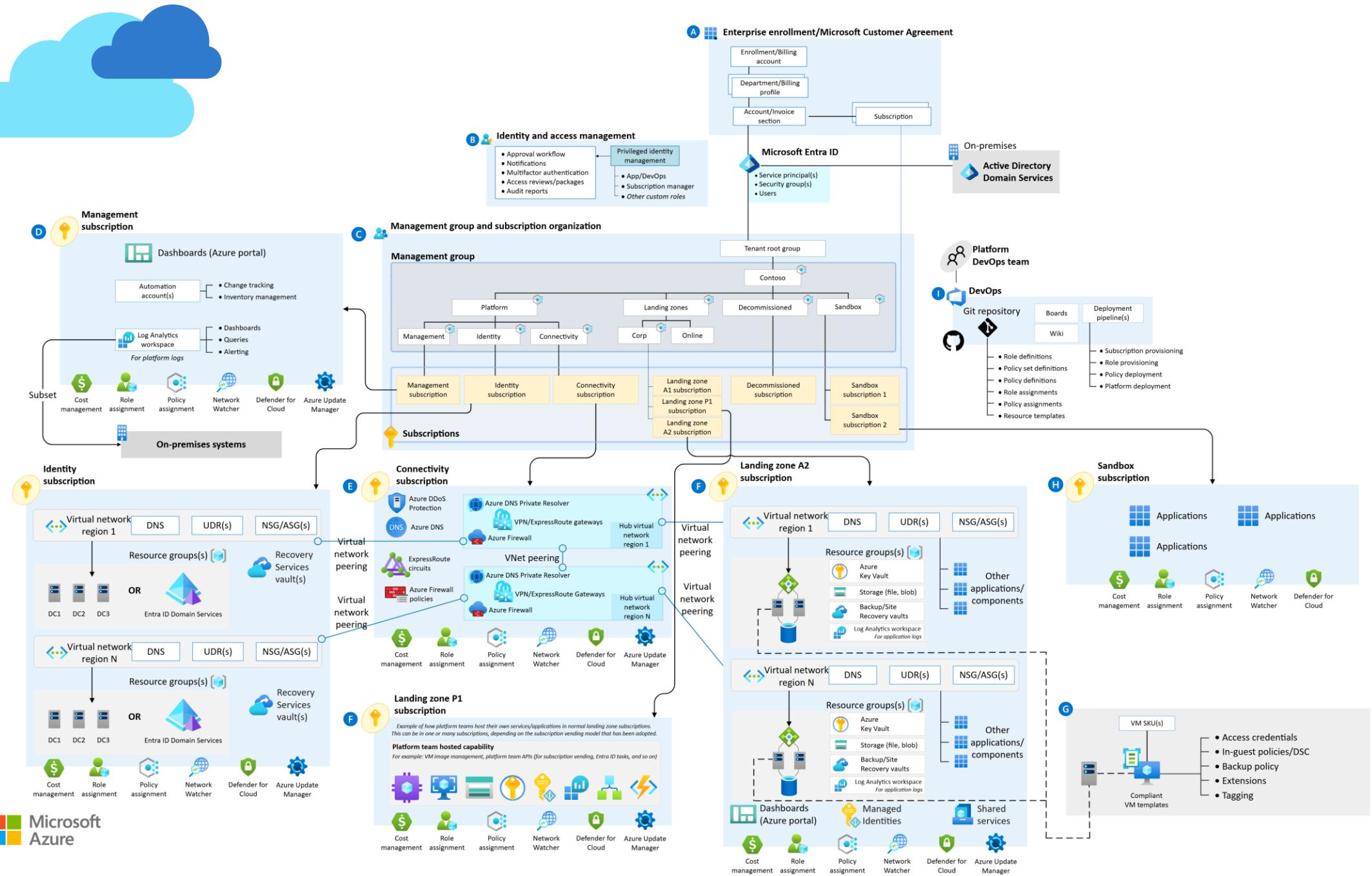


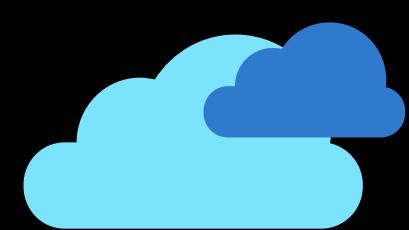
# Application Delivery in Landing Zones – Centralized Opt. 1



# Application Delivery in Landing Zones – Centralized Opt. 2

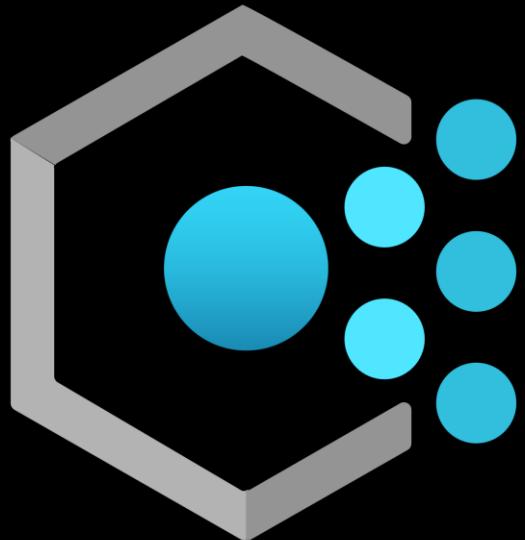






# Portal & Policy Refresh

## Q2 FY25 Updates





- Policy Refresh Q2 FY25
  - Delayed for several reasons
  - Always review "What's New"
  - One "breaking" change – initiative cleanup
- General fixes
- Community requests
  - Mandatory Tags (Audit) policies – RG/Resource
- Policy Versioning
  - Azure Policy Versioning has landed (preview)
  - What has ALZ done?





[aka.ms/alz/portal](http://aka.ms/alz/portal)

- Enhanced pre-requisites and wait logic – drastic reliability improvement for deployments – especially for greenfield
- Azure Virtual Network Manager – Preview
  - Security Admin Rules & blocking high-risk ports from the internet (matching our policy)
- Workload Specific Compliance
  - AI Ready – governance for AI Landing Zones
  - Added "Audit Only" option for all initiatives

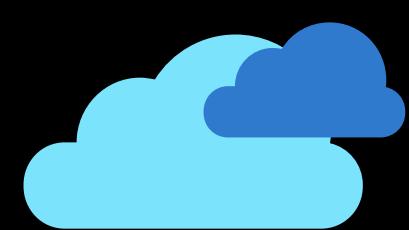




# AMBA-ALZ Updates

[aka.ms/amba/patterns/alz](https://aka.ms/amba/patterns/alz)





# AMBA Updates

- **AMBA-ALZ Portal Accelerator** went GA  
**(Check the announcement)**
- Updated to use the latest AMBA-ALZ release
- Easy filtering of Management Groups and Subscriptions
- Search field to refine the list
- Select what to enable first to enter only scoped info

[aka.ms/amba/alz/whatsnew](https://aka.ms/amba/alz/whatsnew)

Azure Monitor Baseline Alerts Accelerator

Deploy from a custom template

Management Groups Settings

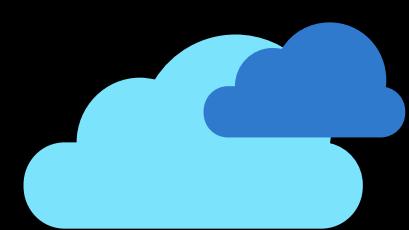
If you have a single management group, configure the Group, Management Management Group, Connectivity with the same group name

| Setting                                     | Value   | Validation Status  |
|---|---------|--|
| Enable AMBA Storage *                       | Yes     | Valid  |
| Enable AMBA Web *                           | Yes     | Valid  |
| Enable AMBA Notification Assets *           | Yes     | Valid  |
| Enterprise Scale Company Management Group * | BR1-ALZ | Valid  |
| Platform Management Group *                 |         | <span style="color:red;">✖ The value must not be empty.</span> |
| Connectivity Management Group *             |         | <span style="color:red;">✖ The value must not be empty.</span> |
| Management Management Group *               |         | <span style="color:red;">✖ The value must not be empty.</span> |
| Landing Zone Management Group *             |         | <span style="color:red;">✖ The value must not be empty.</span> |
| Enable AMBA Identity *                      | No      | Valid  |
| Enable AMBA Management *                    | Yes     | Valid  |
| Enable AMBA Hybrid VM *                     | Yes     | Valid  |
| Enable AMBA Azure VM *                      | Yes     | Valid  |
| Enable AMBA Key Management *                | Yes     | Valid  |
| Enable AMBA Load Balancing *                | Yes     | Valid  |
| Enable AMBA Network Changes *               | Yes     | Valid  |
| Enable AMBA Recovery Services *             | Yes     | Valid  |
| Enable AMBA Storage *                       | Yes     | Valid  |

No Identity MG name required !!!

Previous    Next    Review + create





# AMBA Updates

- New AMBA survey. Fill it in at  
[aka.ms/ambaSurvey](https://aka.ms/ambaSurvey)

The screenshot shows the 'Welcome to AMBA!' page. At the top, there's a navigation bar with links like 'Welcome to AMBA!', 'Azure Resources', 'Patterns / Scenarios', 'Visualizations', 'Contributor Guide', and 'Frequently Asked Questions (FAQs)'. Below the navigation, there's a search bar and a note section. The note says: 'We are actively looking for feedback. Please tell us what you think and share your opinion by filling the [Azure Monitor Baseline Alerts \(AMBA\) survey](#).'. A red box highlights the survey link. Further down, there's a section titled 'Expert Recommendations' with a link to 'Access a comprehensive list of alert recommendations and expert guidance for Azure resources'.

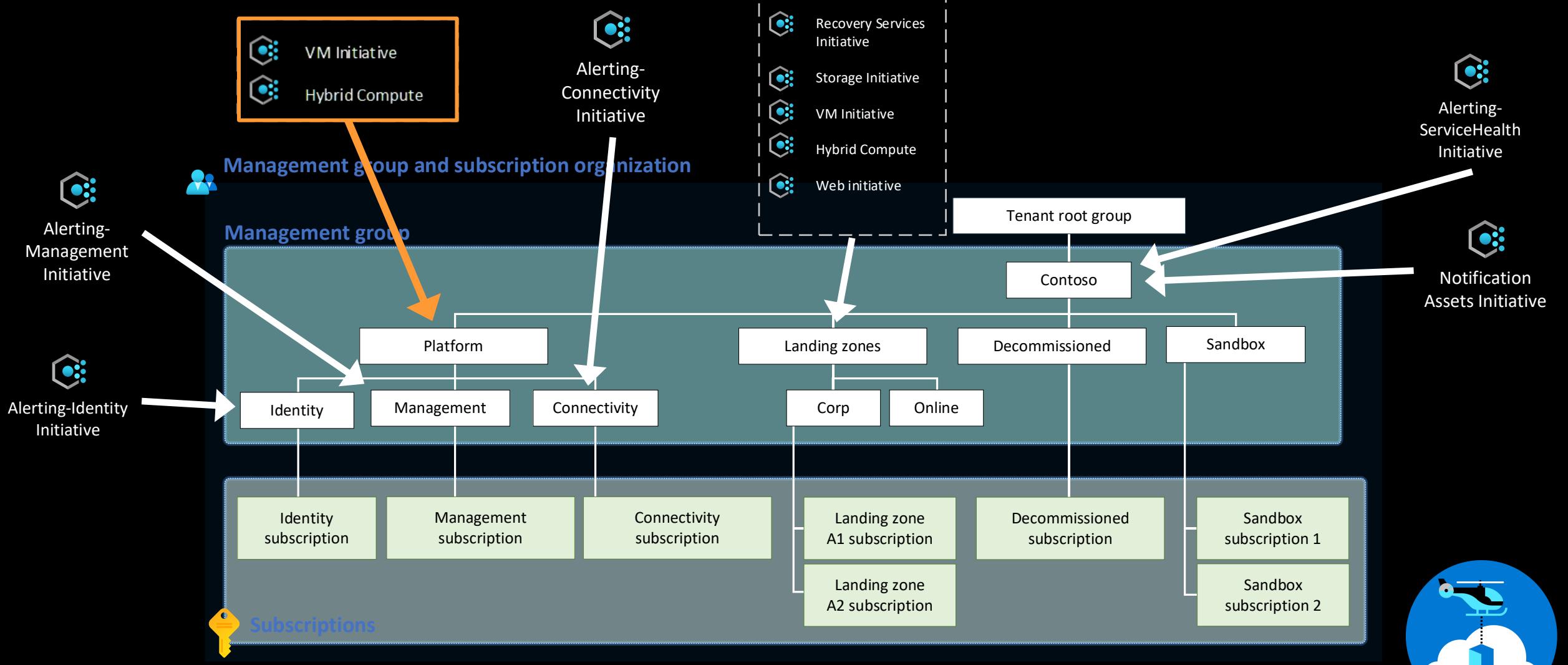
- **11** bugs fixed
- Maintenance and Remediation scripts consolidation and enhancement with increased robustness

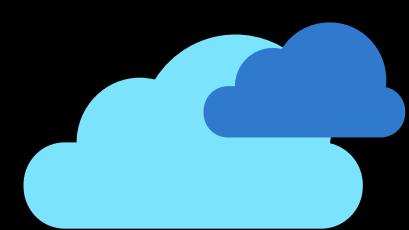
[aka.ms/amba/alz/whatsnew](https://aka.ms/amba/alz/whatsnew)

- Faster deployment
- New alerts for:
  - *Application Insights Delete*
  - *Application Insights Throttling Limit reached*
  - *Routes Delete*
  - *Routes Table Delete*
  - *RV ASR Health Monitoring*
- Alert Processing Rule flexibility
- Azure and Hybrid VM policy initiatives assigned to Platform MG
- Documentation Improvement



# AMBA Updates





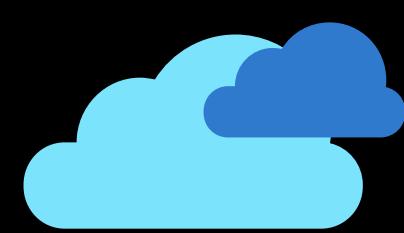
# AMBA Roadmap

[aka.ms/amba/patterns/alz](https://aka.ms/amba/patterns/alz)

- Quota Alerts
- AMBA for ALZ Bicep
  - AMBA is not yet integrated into the ALZ-Bicep repository. However, this integration is underway and will soon be available. If you wish to deploy AMBA now, please see this [Wiki](#)
- AMBA for ALZ Terraform
  - We are working on integrating with the Azure-Landing-Zones-Library and updating the module.
- Adding support for CMK for log-alerts storage
- Enabling logical volumes exclusion from disk alerts

- Adding alerts for:
  - Azure Monitor Ingestion limit alert
  - New Resources:
    - Microsoft.Network/virtualhubs (for Route servers)
    - microsoft.network/p2svpngateways
    - Microsoft.Network/routeTables/routes/delete
    - Microsoft.Network/routeTables/delete
- Additional documentation for:
  - Management Groups, Subscriptions, Resource Groups exemption for policy assignment





# AzAdvertiser & AzGovViz Updates



# AzGovViz ALZ Policy Assignments Checker



## How to keep up with ALZ policy releases ?

Azure Governance Visualizer | Hide HierarchyMap Hide TenantSummary Hide DefinitionInsights Hide ScopeInsights Get the latest Azure Governance Visualizer version 6.6.1 (minor) ⚡

HierarchyMap  
Hide ScopeInfo  
save image

TenantSummary  
Policy

- Anything which can help you learn Azure Policy GitHub ⚡
- 193 Custom Policy definitions (Tenant wide)
- 42 Orphaned Custom Policy definitions (Tenant wide) ⚡
- 51 Custom PolicySet definitions (Tenant wide) (Limit: 512500)
- 43 Orphaned Custom PolicySet definitions (Tenant wide) ⚡
- 5 Custom Policy definition(s) built-in Policy rule parity ⚡
- 1 Azure Landing Zones (ALZ) Policy Assignments Checker
- 1 Azure Landing Zones (ALZ) Policy Version Checker
- 12 Custom PolicySet definitions / deprecated built-in Policy ⚡
- 16 Policy assignments / deprecated built-in Policy ⚡
- 0 Policy exemptions
- 0 Policy assignments orphaned ⚡
- 129 Built-in Azure policies (aka ALZ policies) ⚡

Azure Landing Zones (ALZ) Policy Assignments Checker ⚡  
Azure Landing Zones (ALZ) GitHub ⚡  
Download CSV semicolon ; comma

Rows: 44

| Clear                             | Management Group exists / provided | Missing ALZ Policy Assignments | Clear                                 | ALZ Library release    | ALZ release |
|-----------------------------------|------------------------------------|--------------------------------|---------------------------------------|------------------------|-------------|
| ALZ Management Group sandboxes    | ✓                                  | x                              | AzAdvertiser Link                     | platform/alz/2024.10.1 | 2024-10-14  |
| connectivity => ALZ-connectivity  | ✓                                  |                                | Enforce-ALZ-Sandbox payload Link      | platform/alz/2024.10.1 | 2024-10-14  |
| corp => ALZ-corp                  | ✓                                  |                                | Enable-DDoS-VNET payload Link         | platform/alz/2024.10.1 | 2024-10-14  |
| identity => ALZ-identity          | ✓                                  |                                | Deploy-Private-DNS-Zones payload Link | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deny-Subnet-Without-Nsg payload Link  | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deny-IP-forwarding payload Link       | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-MDFC-DefSQL-AMA payload Link   | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-VM-Backup payload Link         | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-VM-ChangeTrack payload Link    | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-VM-Monitoring payload Link     | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-vmArc-ChangeTrack payload Link | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-vmHybr-Monitoring payload Link | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-VMSS-ChangeTrack payload Link  | platform/alz/2024.10.1 | 2024-10-14  |
| landing_zones => ALZ-landingzones | ✓                                  |                                | Deploy-VMSS-Monitoring payload Link   | platform/alz/2024.10.1 | 2024-10-14  |

Azure / Azure-Landing-Zones-Library

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

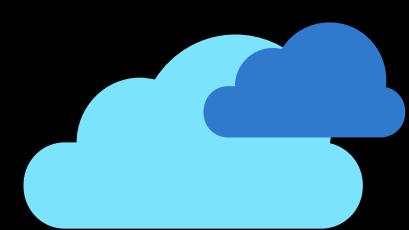
7e8db15 - Azure-Landing-Zones-Library / platform / alz / policy\_assignments / Enable-DDoS-VNET.alz.policy\_assignment.json

Code Blame 26 lines (26 loc) · 1.02 kB

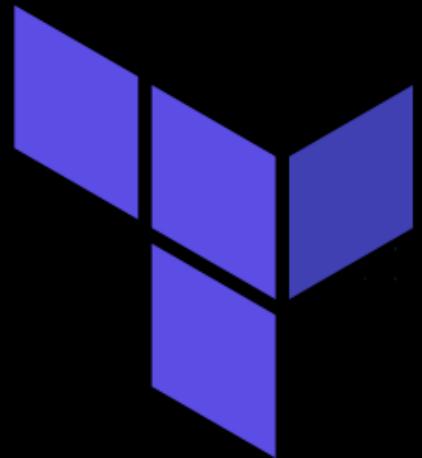
```
1 {
2     "type": "Microsoft.Authorization/policyAssignments",
3     "apiversion": "2022-06-01",
4     "name": "Enable-DDoS-VNET",
5     "location": "PlaceholderForDefaultLocation",
6     "dependsOn": [],
7     "identity": {},
8     "type": "SystemAssigned"
9 }
10 {
11     "properties": {
12         "description": "Protect your virtual networks against volumetric and protocol attacks with Azure DDoS Network Protection. For more information, visit https://aka.ms/ddosprotectiondocs",
13         "displayName": "Virtual networks should be protected by Azure DDoS Network Protection",
14         "policyDefinitionId": "/providers/Microsoft.Authorization/policyDefinitions/9d62ad3-e8c1-4caf-ad78-5d47bcb83d3d",
15         "enforcementMode": "Default",
16         "parameters": {
17             "ddosPlan": {
18                 "value": "/subscriptions/00000000-0000-0000-0000-00000000/resourceGroups/placeholder/providers/Microsoft.Network/ddosProtectionPlans/placeholder"
19             }
20         },
21         "scope": "/providers/Microsoft.Management/managementGroups/placeholder",
22         "metadatas": []
23     }
24 }
```

AzPolicyAdvertiser ⚡  
last sync: 2024-Nov-11 18:54:29 UTC  
Virtual networks should be protected by Azure DDoS Protection  
Azure BuiltIn Policy definition

Source Azure Portal ⚡  
Display name Virtual networks should be protected by Azure DDoS Protection  
Id 94de2ad3-e8c1-4caf-ad78-5d47bcb83d3d  
Version 1.0.1  
Details on versioning ⚡  
Versioning Versions supported for Versioning: 2  
1.0.1 Built-In Versioning [Preview] ⚡  
Category Network Microsoft Learn ⚡  
Description Protect your virtual networks against volumetric and protocol attacks with Azure DDoS Protection. For more information, visit https://aka.ms/ddosprotectiondocs.  
Mode Indexed  
Type BuiltIn  
Preview False  
Deprecated False  
Effect Default Modify Allowed Modify, Audit, Disabled  
RBAC role(s) Role Name Role Id  
Network Contributor 4d97b9b-1def-4787-a291-c67834d212e7  
Rule aliases IF (2)  
Alias Namespace ResourceType Path PathIsDefault DefaultPath Modifiable  
Microsoft.Network/virtualNetworks Microsoft.Network virtualNetworks properties.ddosProtectionP True True



Terraform Azure Verified  
Modules for Platform  
Landing Zones (ALZ) -  
TFAVM4PLZ 😊



New branding

# **Terraform Azure Verified Modules for Platform Landing Zones (ALZ)**

# Composition of Azure Verified Modules

## Management

### avm-ptn-alz

- Management Groups
- Policy
- Role Definitions

### avm-ptn-alz-management

- Log Analytics
- Automation Account

## Connectivity

### Virtual WAN Option

#### avm-ptn-virtualwan

- Virtual WAN
- Firewalls

### Hub and Spoke Virtual Network Option

#### avm-ptn-hubnetworking

- Hub Virtual Networks
- Peering
- Firewalls

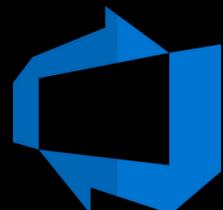
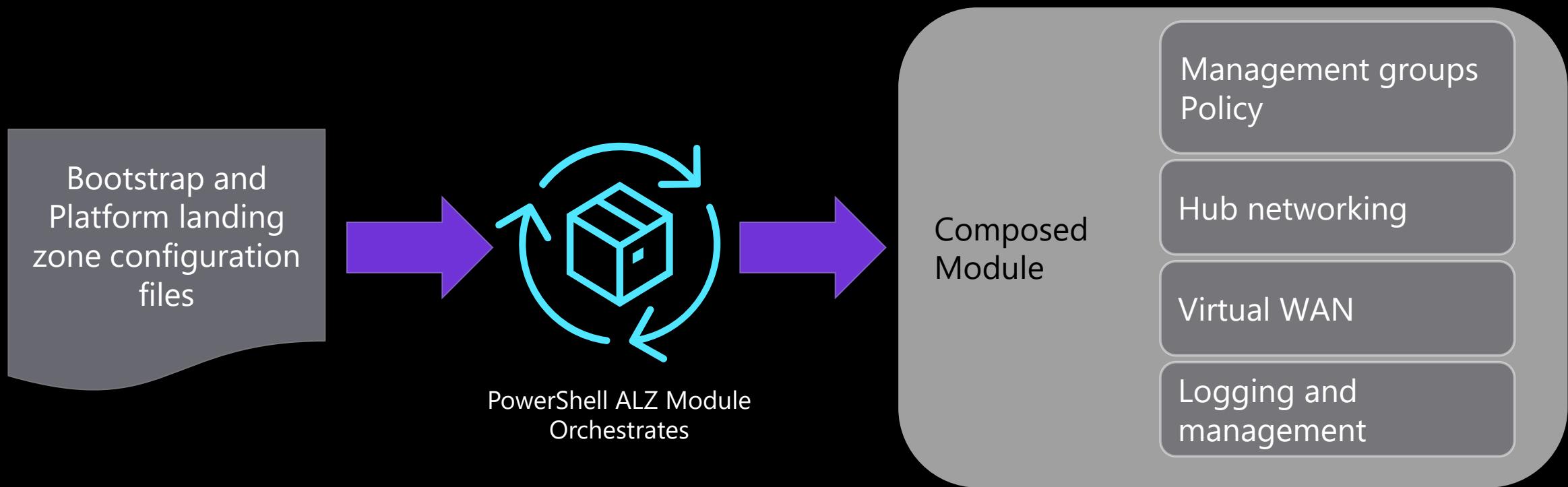
#### avm-ptn-vnetgateway

- Virtual Network Gateways

#### avm-ptn-network-private-link-private-dns-zones

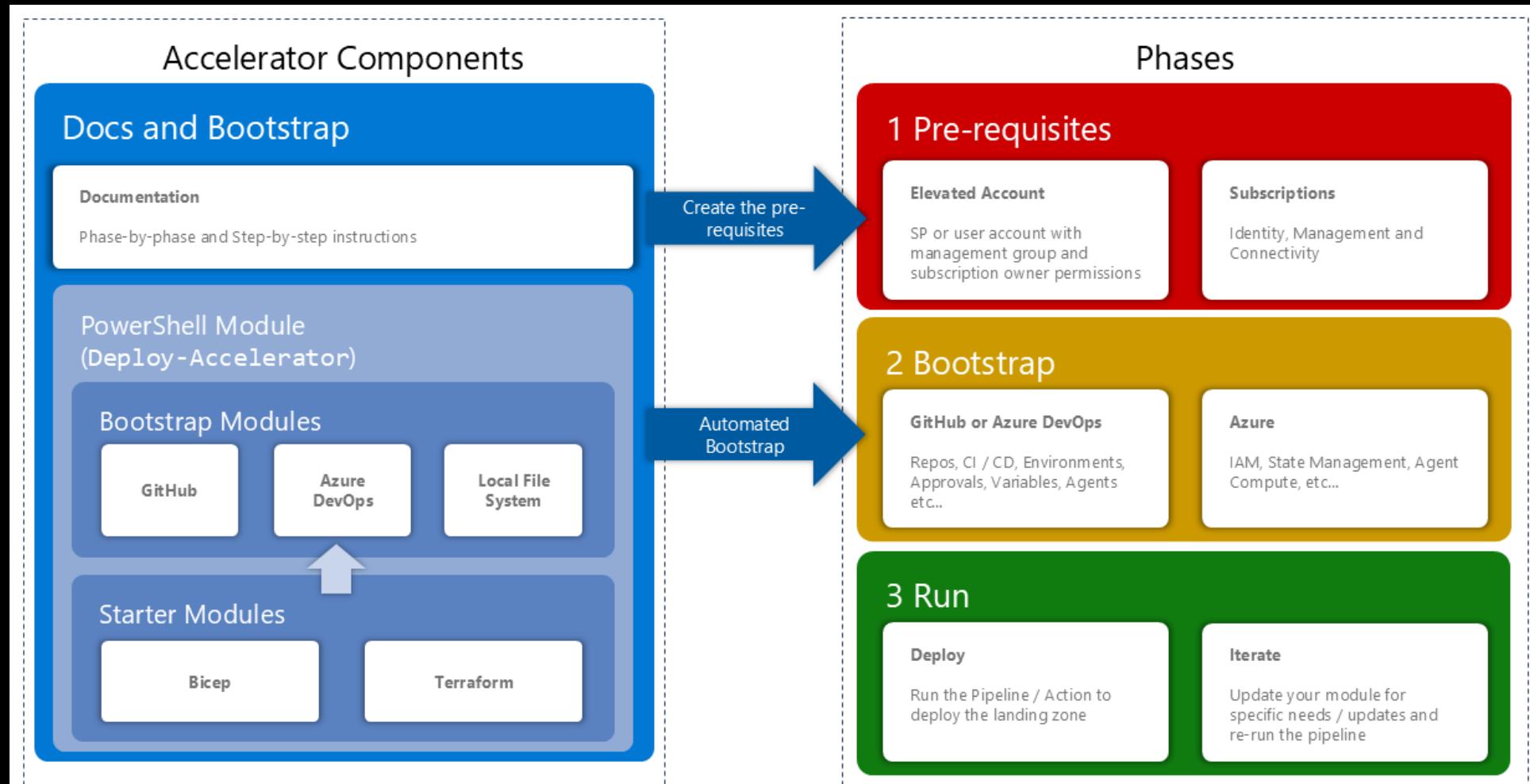
- Private DNS Zones

# The ALZ Accelerator – the solution for customers that want a simplified experience



Bootstraps Secure CI / CD

# How the ALZ Accelerator Works?



[aka.ms/alz/acc](https://aka.ms/alz/acc)

# ALZ Accelerator – New Features!

## tfvars (HCL) as input for Platform landing zone configuration

- Retains customer updates, formatting, comments and ordering
- Easy to test

## Phase 0 – Planning

- Guides you through decisions about bootstrap and Platform landing zone
- Checklist to help record decisions

## Options and Scenarios

- Scenarios: 7 high level Platform landing zone architectures
- Options: 14 common customisations

### Scenarios

Scenarios are common use cases when deploying the platform landing zone. The following

The available scenarios are:

1. [Multi-Region Hub and Spoke Virtual Network with Azure Firewall](#)
2. [Multi-Region Virtual WAN with Azure Firewall](#)
3. [Multi-Region Hub and Spoke Virtual Network with Network Virtual Appliance \(NVA\)](#)
4. [Multi-Region Virtual WAN with Network Virtual Appliance \(NVA\)](#)
5. [Management Groups, Policy and Management Resources Only](#)
6. [Single-Region Hub and Spoke Virtual Network with Azure Firewall](#)
7. [Single-Region Virtual WAN with Azure Firewall](#)

### Options

The available options are:

1. [Customise Resource Names](#)
2. [Customize Management Group Names and IDs](#)
3. [Turn off DDOS protection plan](#)
4. [Turn off Bastion host](#)
5. [Turn off Private DNS zones and Private DNS resolver](#)
6. [Turn off Virtual Network Gateways](#)
7. [Additional Regions](#)
8. [IP Address Ranges](#)
9. [Change a policy assignment enforcement mode](#)
10. [Remove a policy assignment](#)
11. [Turn off Azure Monitoring Agent](#)
12. [Deploy Azure Monitoring Baseline Alerts \(AMBA\)](#)
13. [Turn off Defender Plans](#)
14. [Implement Zero Trust Networking](#)

[aka.ms/alz/acc/starter/avm-plz](https://aka.ms/alz/acc/starter/avm-plz)

# Rationale



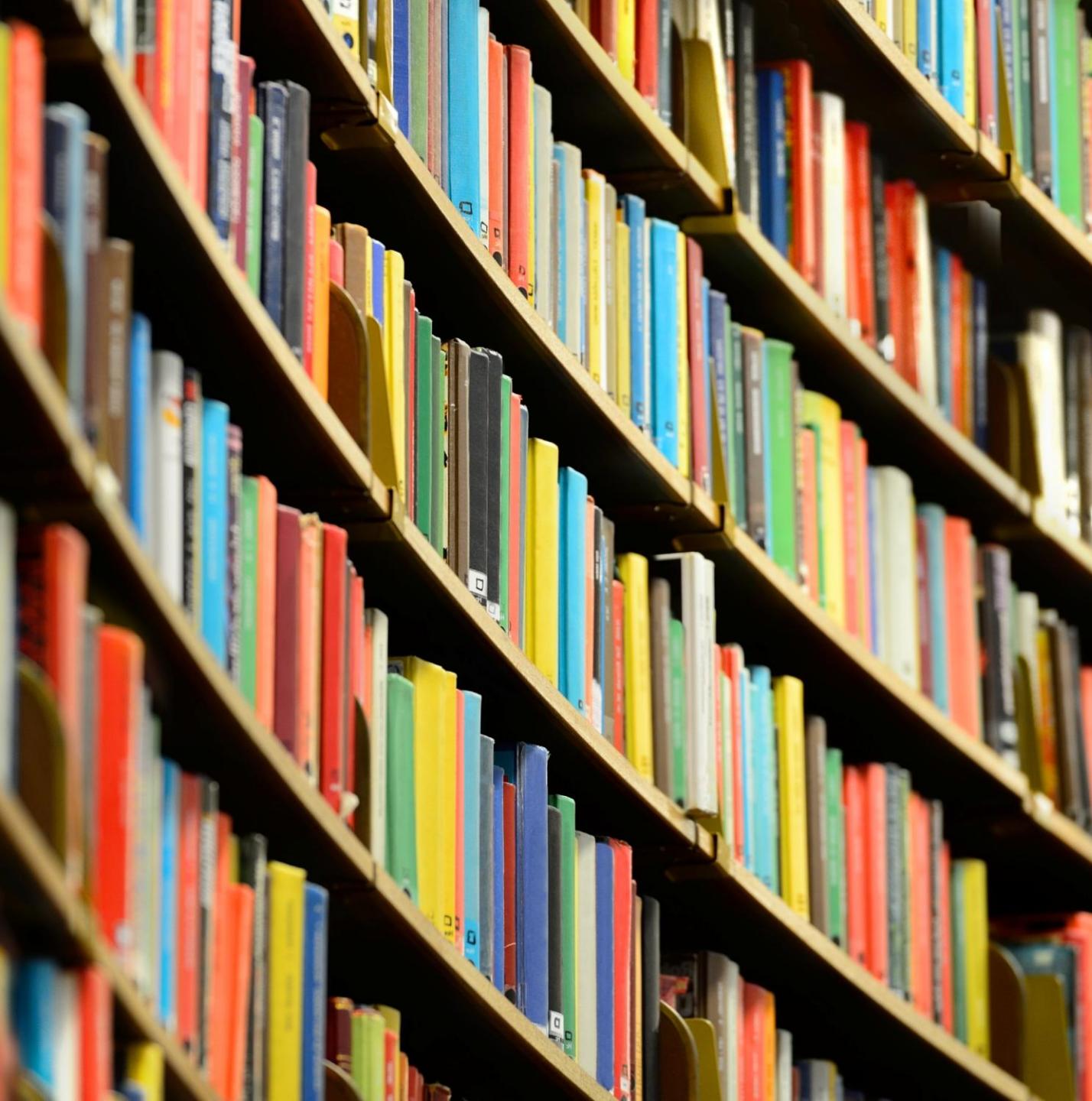
Our largest customers said they wanted a more modular approach



Reaching the limits of what we can do with a Terraform Module (Azure Policy is hard)



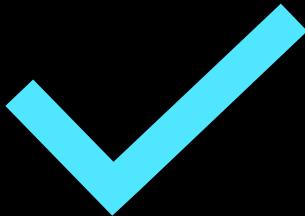
Accelerator provides the same opinionated but configurable approach than the old module, but with the benefit of CI/CD and SCM.



# Library

- One source of truth for ALZ, AMBA-ALZ Pattern, etc.
- Hosted in [GitHub Documentation site](#)
- A place to store Azure Landing Zones architectural data, including policies
- Extensible
- Agnostic to the implementation, we plan for the next version of ALZ Bicep to use this as a source

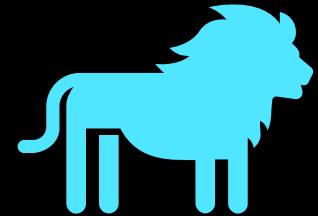
# Two approaches



## Accelerator

Recommended and supported through the  
VBD program

Uses the modules that we have produced



## Do it yourself

Advanced  
Not covered here, [but documented](#)  
Here be dragons

# Benefits



## The provider

Ensures your hierarchy is deployable before you start

Correctly calculates the role assignments required

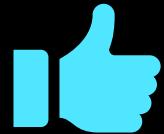


## The Library

Super easy to add AMBA-ALZ, or other additions to your landing zones

Single source of truth for ALZ

Updates decoupled from the module and provider  
Automatically generated documentation



## The ALZ module

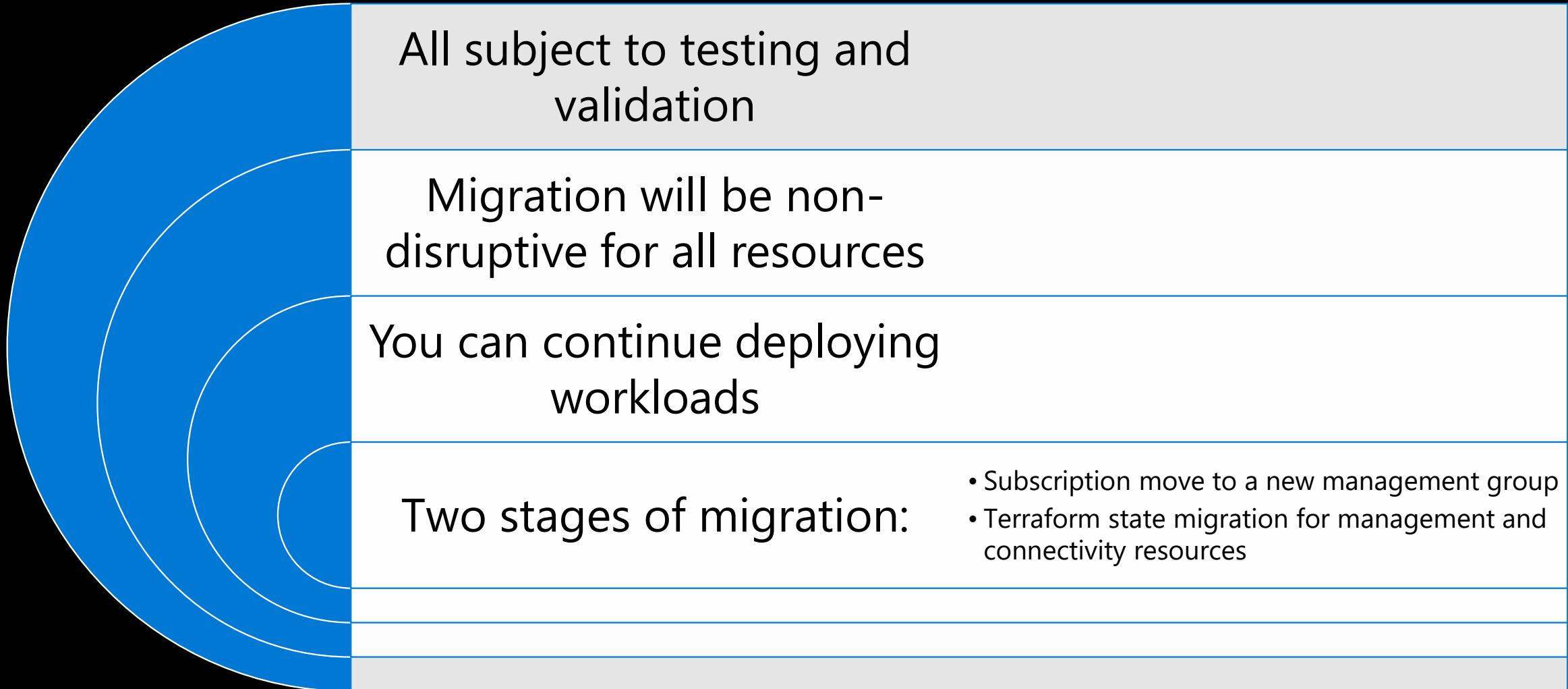
More reliable deployments thanks to retriable errors  
Faster deployments thanks to AzAPI

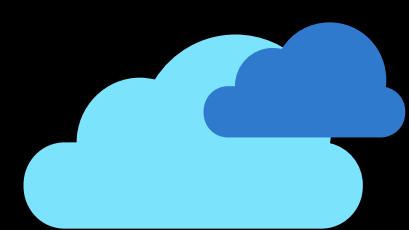


## Accelerator

New features:  
Bastion  
More coming...

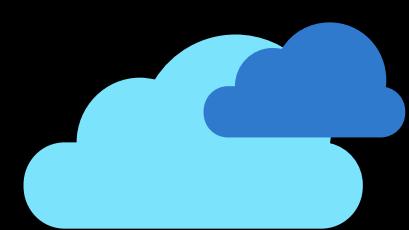
# Proposed Migration Approach





# ALZ Bicep



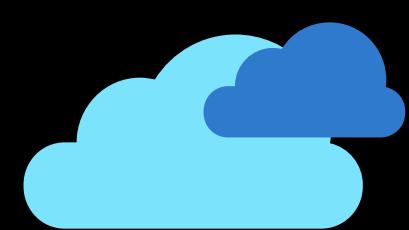


# ALZ Bicep

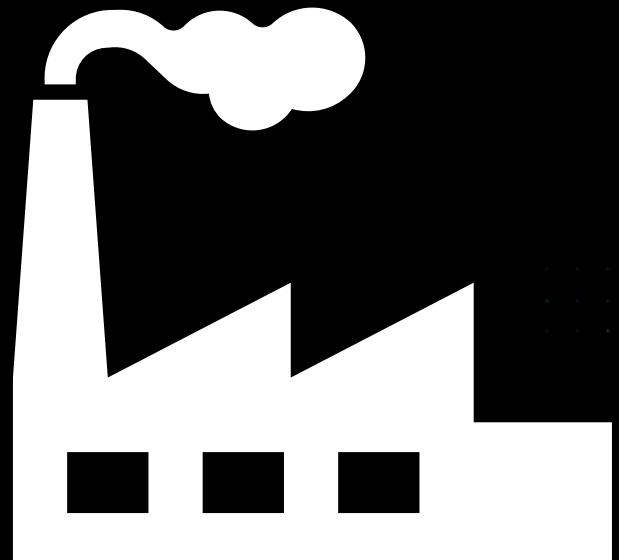


- MVP for [vNext](#): Anticipated for March!
  - We're looking for **teams interested in testing the MVP** before its official launch.
    - **Scan the QR Code** to sign up and participate!
- ALZ-Bicep (Release of [v0.20.2](#) two weeks ago)
  - Added the option to specify **virtual network gateway IP configuration names**.
  - Added missing **DNS zones** for policy assignment: Deploy-Private-DNS-Zones.
  - Fix role assignments for **AMA Policies**
  - **Az.Resources 7.8.0**
    - Released with **Azure PowerShell v13.1.0**.
    - Resolves the **deployment issue** when using the Accelerator.





An update on ALZ  
features in progress &  
upcoming



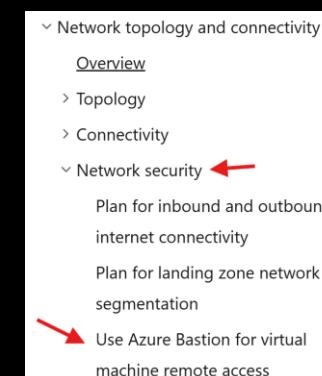
# ALZ features alignment progress

## Azure Virtual Network Manager (AVNM)

- Security admin rules coming to Portal accelerator
- [Blog post](#) on envisioning IPAM (IP address management) in ALZ
- Bicep and Terraform accelerators support
- Mapping of network groups to ALZ management group hierarchy. Join the [discussion](#)

## Azure Bastion

- New home for Bastion guidance in docs
- Refreshed guidance for new SKUs
- Add new SKUs to accelerators + vWan implementation



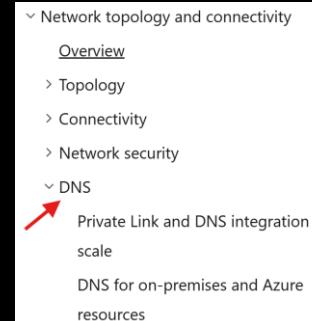
## Default VM outbound internet access retirement

- ALZ guidance refresh
- Ability to deploy NAT gateway in landing zones via Subscription Vending

# ALZ features alignment progress

## DNS

- New home for DNS docs
- Private DNS resolver guidance refresh
- Private DNS resolver accelerators implementation
- Multi-Region Private Link Private DNS Guidance Enhancements (more on this later from Jack)

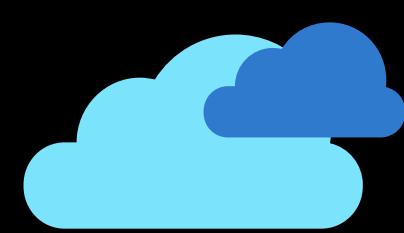


## Azure Firewall - Management NIC

- ALZ guidance refresh
- Accelerators implementation

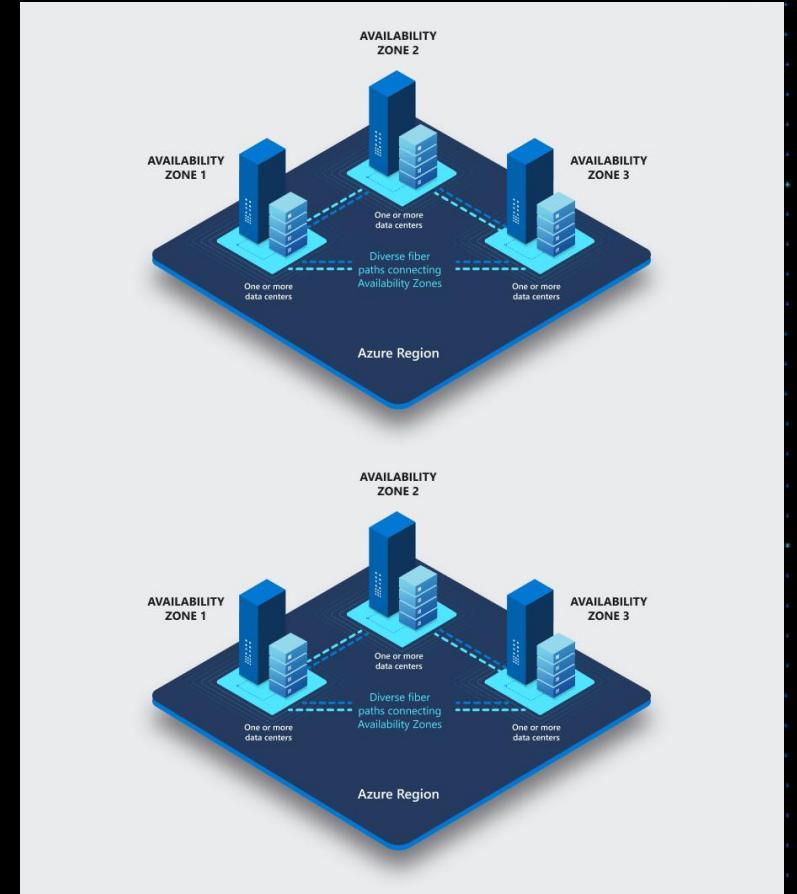
## Other networking features

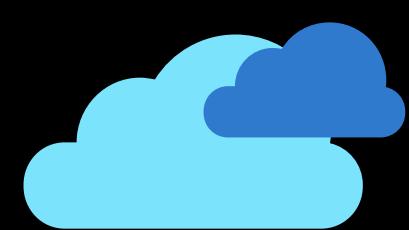
- ExpressRoute Metro guidance
- Migration of NSG flow logs to Vnet flow logs
- Subnet peering



# Multi-Region Private DNS for Private Link

*A Work In Progress!*



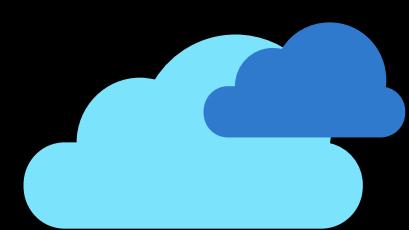


This is a complex topic and the ALZ team are sharing their current understanding and thoughts on this important topic.

This is **NOT** official guidance as of today!

*A Work In Progress!*





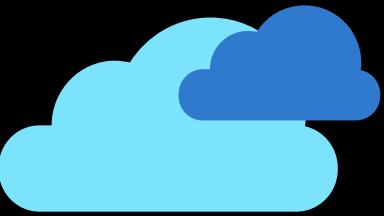
Do we deploy a single set of DNS  
zones centrally in a single region for  
Private Link?

OR

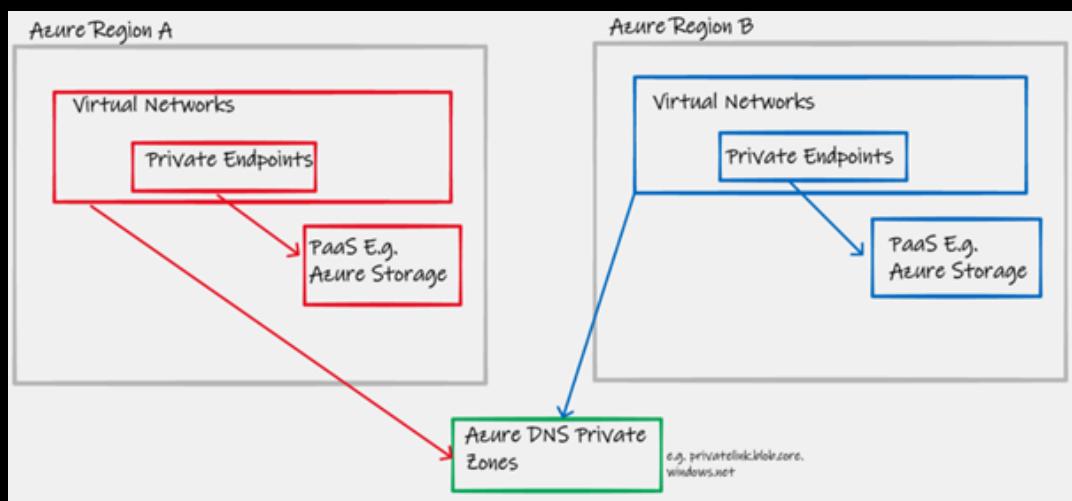
Do we deploy a set DNS zones per-  
region for Private Link?

*A Work In Progress!*





## Centralized (single set of zones)



## Per-Region (set of zones per-region)

VS

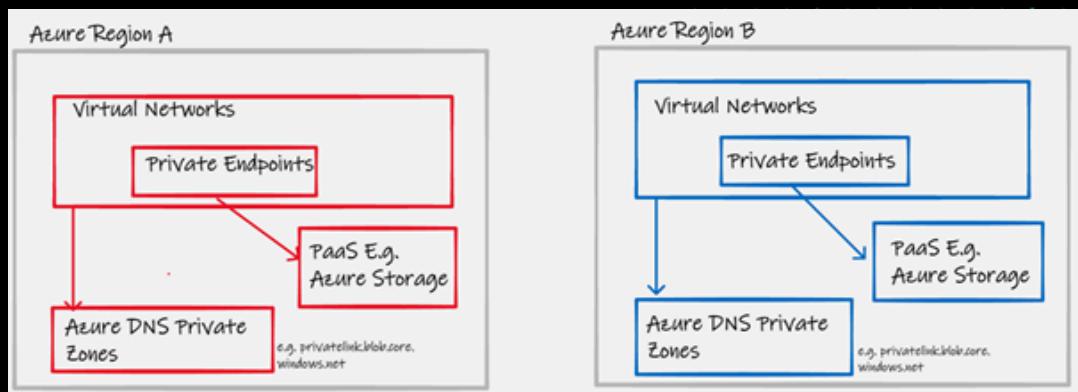
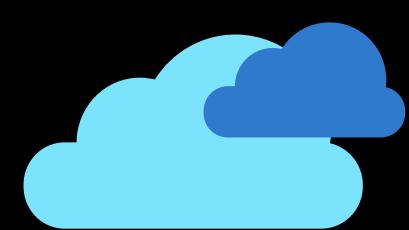


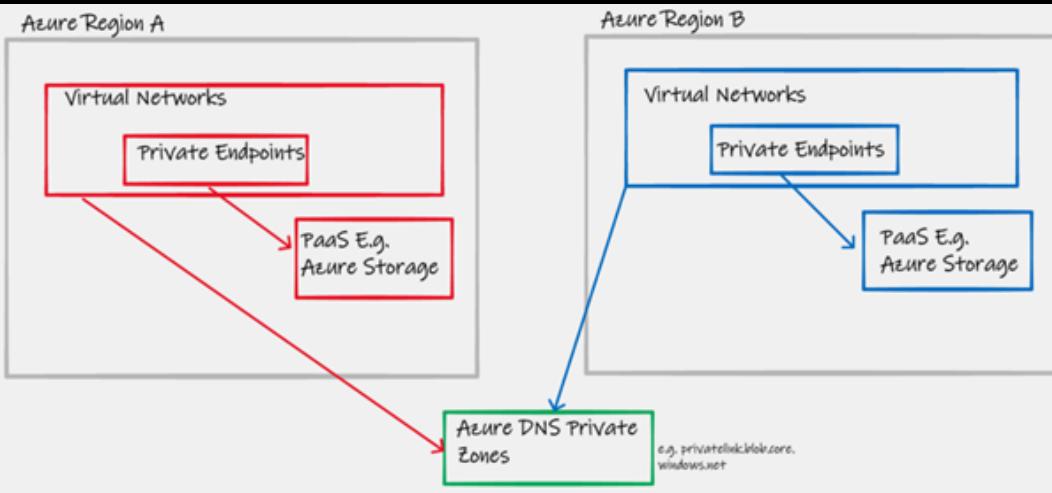
Diagram credits & thought soundboard: Adam Stuart 🤘  
See: [github.com/adstuart/azure-privatelink-multiregion](https://github.com/adstuart/azure-privatelink-multiregion)

A Work In Progress!





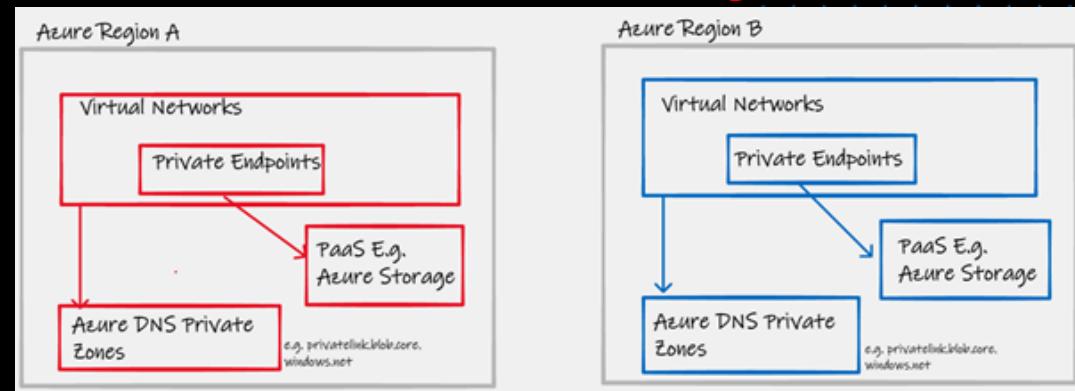
# ALZ Recommended Approach \*for most\*



- Single sets of zones to manage
- Policy automation of DNS Zone Groups works
- Hybrid/On-Premises resolution story is simple
- \*Should\* be able to update DNS records in region down scenario via REST API call (Terraform, AzCLI, AzPWSH etc.)
  - **NOT** Portal, Bicep, ARM (metadata from RG may be required which prevents these methods)
- No "DNS record syncing system" required
- Not efficient use of SDN
  - Relies on your L3 routing architecture

VS

# Only For Advanced Customers \*see below for why\*



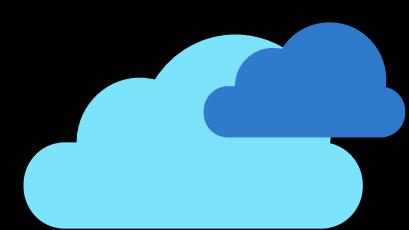
- Multiple sets of zones to manage
- PEs can only have 1 DNS Zone Group for same DNS namespace
  - Forces requirement of "DNS record syncing system" to be built and maintained by **you!**
- Policy automation is complicated (resource selectors etc.)
- Hybrid/On-Premises resolution story is complicated
  - Worse if DNS records are not synced
- PDNS Resolver doesn't let you link same DNS namespaces to single PDNS Resolver instance in single region
  - Makes this approach not feasible **\*IMO\***
- Efficient use of SDN
- Able to update DNS zone in online region by any method



Diagram credits & thought soundboard: Adam Stuart

See: [github.com/adstuart/azure-privatelink-multiregion](https://github.com/adstuart/azure-privatelink-multiregion)

A Work In Progress!



[aka.ms/ALZ/MRPLPDNS/Form](https://aka.ms/ALZ/MRPLPDNS/Form)

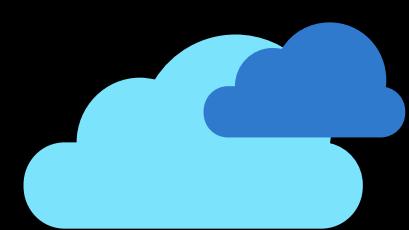
We want to hear 🧑 from you ⚡, IF:

- You have tackled this problem already today
  - Whether you went single set of global zones or for a set of zones per-region
- Have got a “working” solution today
  - Even if some pain points
- Are considering changing the approach you originally decided upon

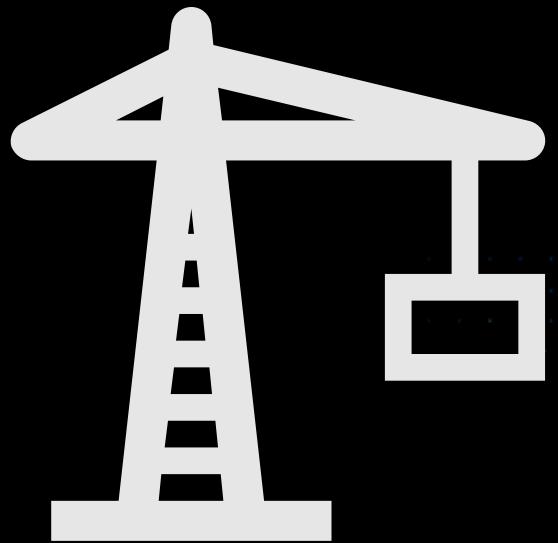
We may reach out to setup some 1-2-1 calls to discuss further to help us shape ALZ guidance and conversations with Product Groups ☎

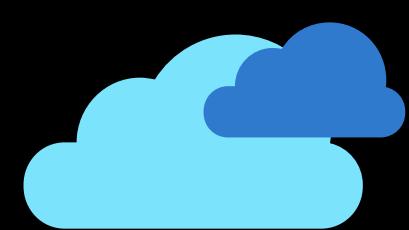
[aka.ms/ALZ/MRPLPDNS/Form](https://aka.ms/ALZ/MRPLPDNS/Form)





A note on upcoming  
breaking changes





# Zone Redundancy Updates



- **BLOG:** Announcing Zone Redundancy and Multi-Region Capabilities in Azure Landing Zones  
[aka.ms/alz/resiliency/blog](https://aka.ms/alz/resiliency/blog)
- Phased Approach
  - Phase 1 – ~~Portal, Bicep and Terraform Accelerators zone redundant by default by end of Q2 CY24~~
  - Phase 2 – ~~Bicep and Terraform Modules zone redundant by default Early 2025~~. New Approach – Now planned as part of Migration Tooling & Guidance scheduled for Bicep / Terraform AVM for Platform Landing Zones (ALZ) Modules

Announcing Zone Redundancy and Multi-Region Capabilities in Azure Landing Zones [Unsubscribe](#) [...](#)

By PaulGrimley\_MSFT Published Jun 18 2024 08:16 AM 6,737 Views

In today's dynamic business environment, the resilience of cloud infrastructure is not just a preference but a necessity. We are thrilled to announce the latest enhancements in Azure Landing Zones with the rollout of the first phase of zone redundancy and multi-region support, designed to meet the high demands for availability and resilience in your cloud deployments. We also are announcing our plans and subsequent roadmap to make our ALZ Bicep and ALZ Terraform implementation options zone-redundant by the end of the calendar year (2024).

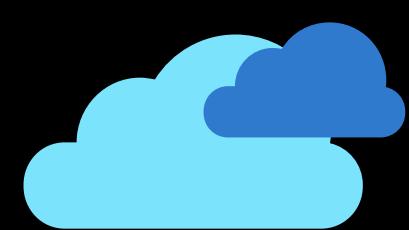
**Zone Redundancy: A New Layer of Resilience**  
The addition of zone redundancy to Azure Landing Zones brings a significant improvement to the robustness of your cloud architecture. By enabling deployment across multiple [availability zones](#) within Azure regions, your workloads can achieve higher levels of availability and fault tolerance. This ensures that even if one zone experiences an outage, your applications can continue to operate seamlessly, minimizing downtime and service interruptions, whilst also improving your SLA.

**Benefits of Zone Redundancy:**

- Enhanced High Availability: Applications can be deployed across different zones, safeguarding against single points of failure.
- Improved Fault Tolerance: Independent power, cooling, and networking in each zone means that an incident in one zone won't affect the others.
- SLA Assurance: Azure provides robust service level agreements that support zone redundancy, reinforcing your uptime commitments.

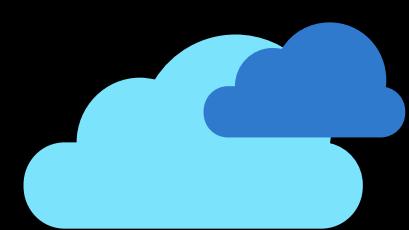
**Multi-Region Support: Global Expansion with Local Resilience**  
With multi-region support, Azure Landing Zones now enable your infrastructure to span across multiple Azure regions. This is particularly beneficial for businesses that require a global presence and need to ensure that regional outages do not affect their worldwide operations.





# Sentinel in ALZ Update





# We have been looking into this...



ALZ Requirement Specification

## Security Subscription with Sentinel Deployment

Author: [REDACTED]

Status: Draft

### 1. Problem statement

Customers deploy their Microsoft Sentinel implementations after their landing zones using a variety of methods, or as part of their Azure Landing Zone deployment. When they do, they are often taking the path of least resistance. This means they often deploy Sentinel to the Log Analytics Workspace associated with the ALZ Management Subscription. This might be done by the customer themselves, or it might be done by Microsoft team members who are focused on getting Sentinel up quickly as part of executing VBDs or other engagements.

However, this LAW has more logs than are needed. It contains a variety of management logs that are not required for Sentinel's security operations. When customers deploy Sentinel to this LAW, they take on a significant cost burden without additional value.

Today customers can use the Azure Sentinel All-in-One for the deployment: [Azure-Sentinel/Tools/Sentinel.All-In-One at master · Azure/Azure-Sentinel \(github.com\)](https://github.com/Azure/Azure-Sentinel/tree/master/Tools/Sentinel.All-In-One). This package deploys a new LAW, and configures Microsoft Sentinel. However, it doesn't enforce the use of a dedicated Security Subscription.

### 2. Justification

Sentinel deployments are often deployed in a subscription with many elevated permissions. Due to Sentinel's critical nature, it should be in an isolated subscription. A subscription is a security boundary with its own Control Plane (Identity/RBAC). This will give you the opportunity to isolate Sentinel from other resources and scope creep. An owner of a Subscription will inherit Sentinel ownership so if Sentinel is in a subscription for application development you can expect that the owner of that will have access. There are other methods of reducing this creep, but a separate subscription is the easiest. A subscription itself doesn't incur charges. It's the resources within that cost money.

Cost is the second driver. Once customers realize that they have taken on this cost burden, they become dissatisfied and often need assistance in remediating and redeploying Sentinel. This places effort on Microsoft and on the customer, as well as further reducing their satisfaction with the products and delaying other initiatives. This dissatisfaction is heightened if the deployment was done by Microsoft team members.

We can ensure charge back on Sentinel based on consumption in the one subscription. Sentinels have peripheral objects like Logic Apps, Function Apps and Machine Learning that have costs associated with them as well.

The best way to address the subscription assignment and LAW location is by including the correct configuration where possible, and to enforce good practices through policies.

### 3. Success Measurement

Success measurements include:

- Reduced number of satisfaction calls due to Sentinel charges.

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ALZ Requirement Specification

## 4. Functional Requirements

Automation driving Customer to deploy the pattern we want

Policy denying the behavior we do not want.

Documentation explaining what needs to happen.

| No.   | Requirement  | Priority |
|-------|--|----------|
| SE-F1 | When deploying the ALZ Portal reference implementation, customers should be prompted with an option to deploy Azure Sentinel. If selected, the customer will be prompted to select a subscription for the deployment – the <b>Security Subscription</b> .<br><br>When the ARM templates are deployed with these options selected, a Management Group deployment will deploy a Security Management Group that is a child of the Platform Management Group, and place the Security Subscription in it. It will then deploy a Resource Group, a Log Analytics Workspace, and Sentinel.<br><br>There should also be logic to check the 4 platform subscriptions are not the same for security, management, connectivity and identity, if possible. |          |
| SE-F2 | Diagrams for Landing Zones should include the Security management group and subscription. Locations include: <a href="#">Azure landing zone design areas - Cloud Adoption Framework   Microsoft Learn</a>  |          |
| SE-F3 | In the Security Design Area, a new article for Sentinel needs to be defined, with the topics of: <ul style="list-style-type: none"><li>Planning your Sentinel deployment</li><li>Recommendations &amp; Considerations</li><li>Link to deployment tools</li></ul>   |          |
| SE-F4 | When deploying with Terraform, there should be a parameter and module set that can be used to trigger the creation of a Security Management Group, Sentinel Resource Group, LAW, and Sentinel instance. This will require adding new parameters, including one for the Security Subscription.  |          |
| SE-F5 | When deploying with Bicep, there should be a parameter and module set that can be used to trigger the creation of a Security Management Group, Sentinel Resource Group, LAW, and Sentinel instance. This will require adding new parameters, including one for the Security Subscription.  |          |
| SE-F6 | Policies should be assigned to the Management management group that deny the deployment of Sentinel to enforce best practices.   |          |
| SE-F7 | If SE-1, SE-4, or SE-5 are used by a customer, an initiative for Sentinel logs should be created and assigned to the Landing Zone management group. The policies would include common resource types provided by the Product Group.<br><br>This should be like the existing "Deploy-Diag-Logs" initiative and the "Deploy Diagnostic Settings for Activity Log to Log Analytics workspace" initiative, but with a different Log Analytics selected and a different scope of content.   |          |

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ALZ Requirement Specification

## 5. Non-functional Requirements (Fundamentals)

| No.    | Requirement   | Priority |
|--------|---|----------|
| SE-NF1 | Prevent customers from deploying Microsoft Sentinel to the Log Analytics Workspace in the Platform Management subscription. |          |
| SE-NF2 | Guide customers to deploy Microsoft Sentinel in a dedicated subscription, with a dedicated Log Analytics Workspace.         |          |
| SE-NF3 | Empower customers to deploy Microsoft Sentinel as part of Azure Landing Zones.  |          |
| SE-NF4 | Capture telemetry on customer deployments of Microsoft Sentinel as part of Azure Landing Zones.                             |          |

## 6. Spec History

[Once the spec is available for review, capture the date and reason for every change to the specification]

| Date | Changes Made | Author |
|------|--------------|--------|
|      |              |        |

## 7. Optional Sections

[Refer to the [Requirements Specification wiki article](#) for possible additional sections for this specification.]

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# Decisions to make...

Do we need a separate LAW dedicated to Sentinel?

- We think so, mainly due to platform logs increasing costs and causing noise from required security logs
- Even though this will lead to some double logging into both LAWs (Platform + Sentinel)
- Often organizations have separate Security teams requesting/driving for this
- Product Group guidance leans to single workspace by default, see [here](#).

Do we need a separate "Security" platform Subscription?

- Can it not just live in Management?

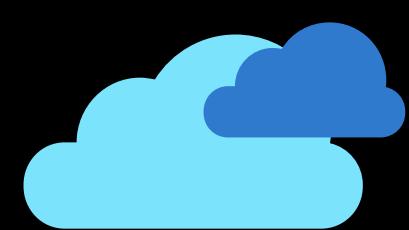
Does this need to be in a separate "Security" Management Group?

- Could it just live inside of Platform > Management?
- Does it need to be somewhere else?
- RBAC is suggested to be done at Subscription scope, not MG.
- MGs are primarily for policy assignments

Should ALZ deploy anything Sentinel related? Or should we just just provide placement guidance and platform pre-reqs?

- e.g. Should we just deploy and move a subscription to a management group that ALZ creates?
- This then allows security teams to deploy and mange sentinel however they wish
- Also, they then work with the ALZ/Platform team to get any additional RBAC and policy assignments created as they see fit?
- Or should ALZ deploy [Sentinel All-In-One Accelerator](#), or just provide guidance and link to it?





# We want to hear 🧐 from you ⚡



## [aka.ms/ALZ/SentinelFuture](https://aka.ms/ALZ/SentinelFuture)

Azure / Enterprise-Scale

Code Issues 86 Pull requests 9 Discussions Actions Projects 1 Wiki Security 42 Insights Settings

The future of Sentinel in ALZ (follow on from 29th January 2025 Community Call) #1898

jtracey93 asked this question in Ideas

Unanswered

jtracey93 4 minutes ago Maintainer edited · ...

As you have heard or seen in the community call on 29th January 2025 we are considering the future of Sentinel in ALZ and whether we need to change the architecture or not.

We are looking for your input on what your are doing or seeing in the wild today, to help shape the changes to ALZ (if required) so it is based on real-world deployments 🤝

**Decisions to make...**

- Do we need a separate LAW dedicated to Sentinel?
  - We think so, mainly due to platform logs increasing costs and causing noise from required security logs
  - Even though this will lead to some double logging into both LAWs (Platform + Sentinel)
  - Often organizations have separate Security teams requesting/driving for this
  - Product Group guidance leans to single workspace by default; see [here](#).
- Do we need a separate "Security" platform Subscription?
  - Can it not just live in Management?
- Does this need to be in a separate "Security" Management Group?
  - Should it just be in the Management?
  - Does it need to be separate also?
  - RBAC is suggested to be done at Subscription scope, not MG
  - MGs are primarily for policy assignments
- Should ALZ deploy anything Sentinel related? Or should we just provide placement guidance and platform pre-req?
  - Should we just deploy and move a subscription to a management group that ALZ creates?
  - This then allows security teams to deploy and manage sentinel however they wish
  - Also, they then work with the ALZ/Platform team to get any additional RBAC and policy assignments created as they see fit
  - Or should ALZ deploy Sentinel All-in-One Accelerator, or just provide guidance and link to it?

**Questions to answer (we want to hear from you 🧐 - reply in the comments below)**

1. Do we need a separate LAW dedicated to Sentinel?  
L. We think so, mainly due to platform logs increasing costs and causing noise from required security logs

Category Ideas

Labels Area: Logging & Aut... Needs: More Evidenc... Status: Help Wanted ... Type: Enhancement ... Type: Feature Requ...

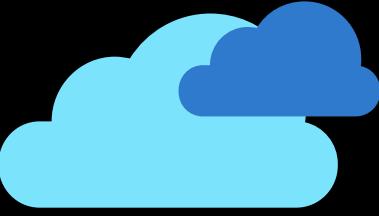
1 participant

Notifications Unsubscribe

You're receiving notifications because you're watching this repository.

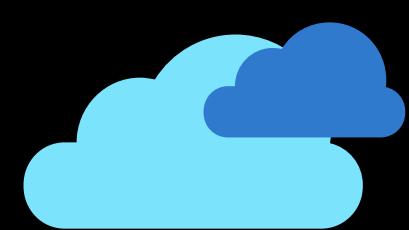
Lock conversation Transfer this discussion Pin discussion Pin discussion to Ideas Create issue from discussion Delete discussion





# ALZ + Azure Connection Program





# ALZ Influencers Group (Pilot)



- **Purpose**
  - Gain insights from trusted group
  - Two-way communication
  - **NOTE: Not intended as a support channel – continue to use GitHub Issues**
  - Not linked to MVP Program!
- **Criteria**
  - Previously Contributed
  - Are you an ALZ ambassador? Do you Promote ALZ?
  - See yourself as an ALZ expert?
- **Complete link**
- **Triage applications, no guarantees on entry (we'll only choose a few to start)**

Private Group: Azure Landing Zones Influencers PRIVATE  
Welcome to the Azure Landing Zones group with the purpose of a select few advanced M..  
✓ Joined

NEW CONVERSATIONS ALL CONVERSATIONS FILES SEARCH

Share something with this group...

Post a message.  
You've got an idea to share, update to give, or deadline to make—why not post it?

MEMBERS (9)

INFO Connect with the Azure Landing Zone Product Group and like-minded customers to discuss exiting and new opportunities with ALZ.

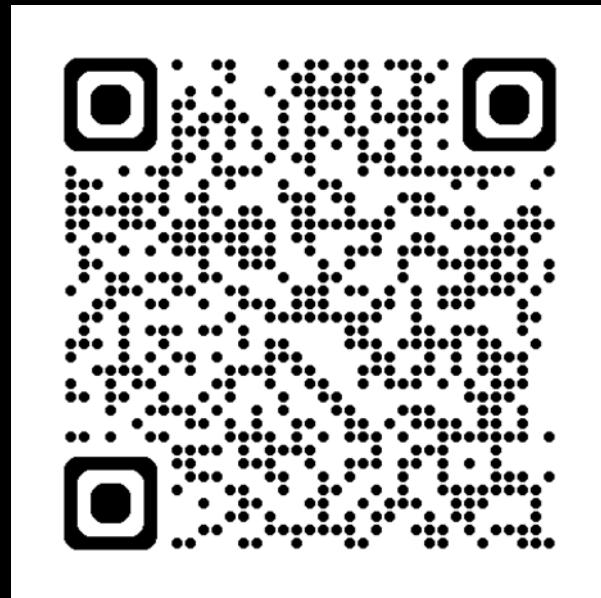
GROUP ACTIONS View Group Insights

5. What areas of ALZ are you an "expert" in? \*

- Billing & Entra ID Tenant
- IAM
- Resource Organization
- Networking
- Security
- Management
- Governance
- Platform Automation & DevOps
- Bicep
- Terraform
- Portal
- Accelerator

[aka.ms/alz/influencers/nominate](https://aka.ms/alz/influencers/nominate)





# Azure Landing Zones

7<sup>th</sup> May 2025 - External Community Call

## Registration:

[aka.ms/ALZ/CommunityCallRegister](https://aka.ms/ALZ/CommunityCallRegister)

## Agenda (please add suggestions):

[aka.ms/ALZ/CommunityCallAgenda](https://aka.ms/ALZ/CommunityCallAgenda)

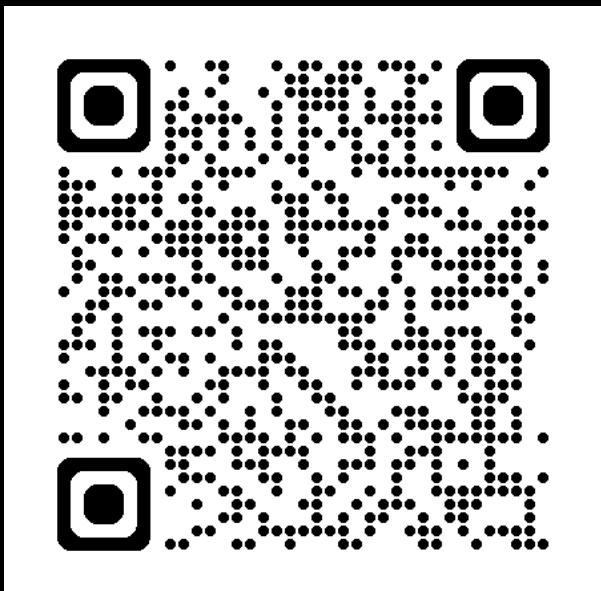




Next Community Call will 7<sup>th</sup> May 2025

Back to an US friendly time slot for this occurrence and  
then the one after will be back to this time slot 

Stay tuned to [issue #1901](#) (ALZ/ESLZ Repo)



Recordings will be available at:  
[aka.ms/ALZ/Community](https://aka.ms/ALZ/Community)



This month's presenters:



Thank You! 🙌



Stay up-to-date:  
[aka.ms/ALZ/WhatsNew](https://aka.ms/ALZ/WhatsNew)

