

This month's presenters:



Azure Landing Zones

12th June 2024 - External Community Call



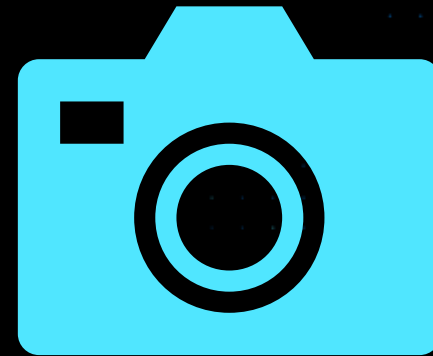
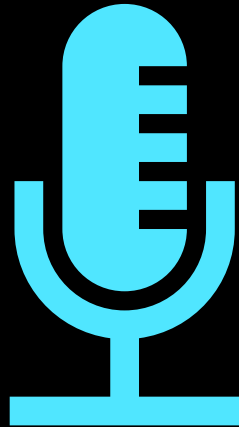
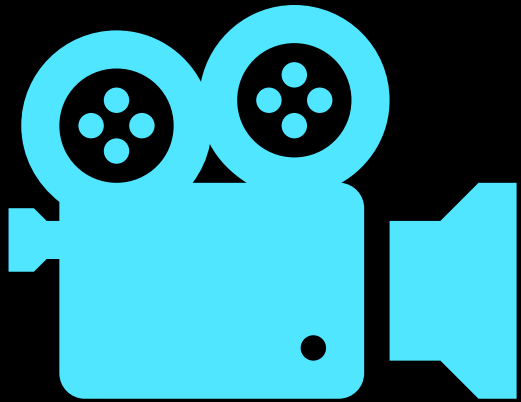
Registration:

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

Agenda (please add suggestions):

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





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

Azure Landing Zones -
Notifications - Sign Up



You can also opt out, if registered, by heading to:
aka.ms/alz/notifications/optout

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 🧐)

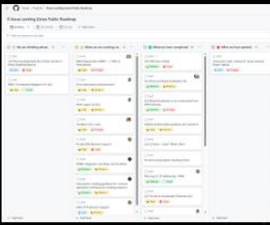
Also we may stop and discuss your
question/point at that time, we want this to be
an open discussion with all of you 😊






Implementation Options & Accelerators 

ALZ Public Roadmap
aka.ms/ALZ/Roadmap




ALZ What's New?
<https://aka.ms/ALZ/WhatsNew>
Single place to stay up-to-date



Policy Refresh H2FY24 Updates




MMA Deprecation Update




AMBA Updates



AzAdvertiser Updates



Multi-Region Updates




Zone Redundancy Updates




Microsoft Cloud for Sovereignty Updates

ALZ Terraform vNext Update



ALZ Bicep Updates






Implementation Options & Accelerators



Accelerators



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

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 organizations 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

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	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

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 Azure landing zone conceptual architecture . 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	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/Roadmap

The screenshot shows a Jira backlog titled "Azure Landing Zones Public Roadmap". It is organized into four columns: "We are thinking about...", "What we are working on...", "What we have completed", and "What we have parked...". Each item is a "Draft" with a title, priority, and size. The "What we are working on..." column contains the most items, including "MMA Deprecation (MMA --> AMA or Alternatives)", "Zone redundancy enhancements", "Multi-region for ALZ", "Terraform ALZ v.next", "Private DNS Resolver Support", "AMBA integration into Bicep and Terraform", "Subscription vending guidance for common application landing zone vending scenario's", and "DDoS IP Protection Support". The "What we have completed" column includes "CAF IAM docs refresh", "Terraform and Bicep Accelerator GA", "ALZ Bicep/Accelerator to be constructed from AVM Modules", "Additional Brownfield guidance and scenario's", "Lots of items - check 'What's New'", "Terraform Subscription Vending V3.4.0", "Planning for IP Addressing - IPAM", and "ALZ Terraform Accelerator (Pipelines etc.)". The "What we have parked..." column has one item: "'Enterprise-Scale' rename to 'Azure Landing Zones' (repos)".

Column	Item Title	Priority	Size
We are thinking about...	CAF Naming Alignment (ALZ Portal, Terraform, Bicep Implementations)	Low	Large
	RBAC Constrained Delegation for ALZ	High	Small
What we are working on...	MMA Deprecation (MMA --> AMA or Alternatives)	High	X-Large
	Zone redundancy enhancements	High	Medium
	Multi-region for ALZ	High	Medium
	Terraform ALZ v.next	High	X-Large
	Private DNS Resolver Support	High	Large
	AMBA integration into Bicep and Terraform	Medium	Medium
	Subscription vending guidance for common application landing zone vending scenario's	Medium	Medium
	DDoS IP Protection Support	Low	Medium
What we have completed	CAF IAM docs refresh	Medium	Large
	Terraform and Bicep Accelerator GA	Medium	Medium
	ALZ Bicep/Accelerator to be constructed from AVM Modules	Medium	X-Large
	Additional Brownfield guidance and scenario's	High	Medium
	Lots of items - check "What's New"		
	Terraform Subscription Vending V3.4.0		
	Planning for IP Addressing - IPAM	Medium	Small
	ALZ Terraform Accelerator (Pipelines etc.)	High	Large
What we have parked...	'Enterprise-Scale' rename to 'Azure Landing Zones' (repos)	Low	X-Large





ALZ What's New?

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

Single place to
stay up-to-
date



Updates

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

June 2024

Policy

- Added new custom policy [Do not allow deletion of specified resource and resource type](#) that provides a safeguard against accidental removal of the User Assigned Managed Identity used by AMA. Assigned at the Platform Management Group, it blocks delete calls using the deny action effect.

AMA Updates

The ALZ Portal Accelerator has been enhanced with the latest AMA updates, ensuring a seamless and efficient management experience. 🚀

Key updates include:

- Azure Landing zones is now using a single centralized User Assigned Managed Identity. The centralization of User Assigned Managed Identity for Azure Monitor Agent (AMA) marks a significant advancement in our ability to manage large-scale deployments efficiently.
 - The User Assigned Managed Identity `id-ama-prod-<location>-001` is created in resource group `<enterpriseScaleCompanyPrefix>-mgmt` in the management subscription or in the platform subscription when selecting 'Single' in the Platform subscription options.
 - The feature flag `restrictBringYourOwnUserAssignedIdentityToSubscription` has been added to the policies and initiatives that enables the use of a single centralized User Assigned Managed Identity.
 - `restrictBringYourOwnUserAssignedIdentityToSubscription` set as True (Policy/Initiative default): Restricts the bring your own UAMI to a UAMI from the same subscription as the VM.
 - `restrictBringYourOwnUserAssignedIdentityToSubscription` set as False (**ALZ Default**): Removes that restriction and allows you to assign your own UAMI from any subscription within the tenant/ scope of assignment.
 - We've updated the following built-in policy initiatives to support single User Assigned Managed Identities:
 - [Enable Azure Monitor for VMs with Azure Monitoring Agent\(AMA\)](#)
 - [Enable Azure Monitor for VMSS with Azure Monitoring Agent\(AMA\)](#)
 - [Configure SQL VMs and Arc-enabled SQL Servers to install Microsoft Defender for SQL and AMA with a user-defined LA workspace](#)
 - [\[Preview\]: Enable ChangeTracking and Inventory for virtual machines](#)
 - [\[Preview\]: Enable ChangeTracking and Inventory for virtual machine scale sets](#)
- Custom Defender for SQL initiative has been deprecated and is replaced by [Configure SQL VMs and Arc-enabled SQL Servers to install Microsoft Defender for SQL and AMA with a user-defined LA workspace](#)
- Custom [User Assigned Managed Identity](#) policy has been deprecated. UAMI for AMA is now centrally deployed therefore this policy is no longer required.

New Doc Move



Networking – AVNM

Network topology and connectivity

Overview

> Topology

> Connectivity

> Network security

> Resources

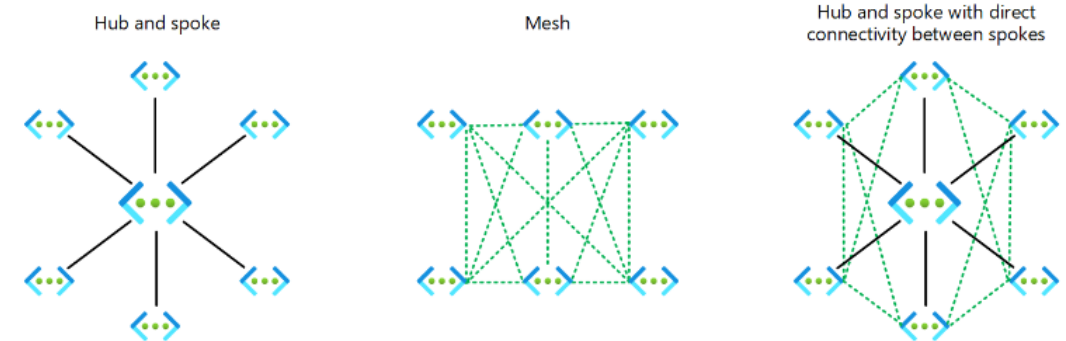
Azure Virtual Network Manager in Azure
landing zones

Azure Virtual Network Manager in Azure Landing Zones

The Azure Landing Zones conceptual architecture recommends one of two networking topologies: an Azure Virtual WAN-based network topology or a network topology based on a traditional hub and spoke architecture. As the business requirements change over time (for example, migration of on-premises applications to Azure that requires hybrid connectivity), AVNM allows you to expand and implement networking changes, in many cases, without disrupting what is already deployed in Azure.

Azure Virtual Network Manager allows you to create three types of **topologies** across subscriptions for both existing and new virtual networks:

- Hub and spoke topology
- Hub and spoke topology with direct connectivity
- Mesh topology (Preview)



Note

Azure Virtual Network Manager does not support Azure Virtual WAN hubs as part of a network group or as the hub in a topology. For more information, see [Azure Virtual Network Manager FAQ](#).



Doc Update



Application Environments in ALZ

Network topology and connectivity

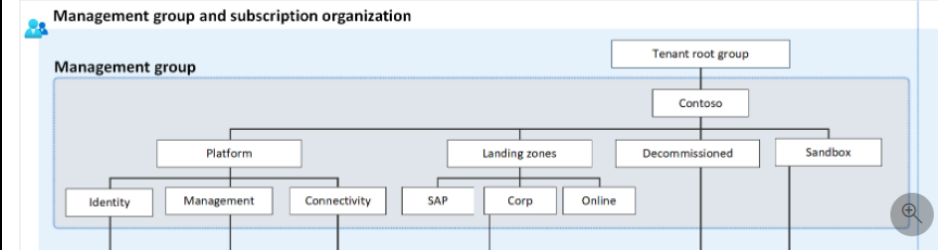
Overview

- > Topology
- > Connectivity
- > Network security
- > Resources

Azure Virtual Network Manager in Azure
landing zones

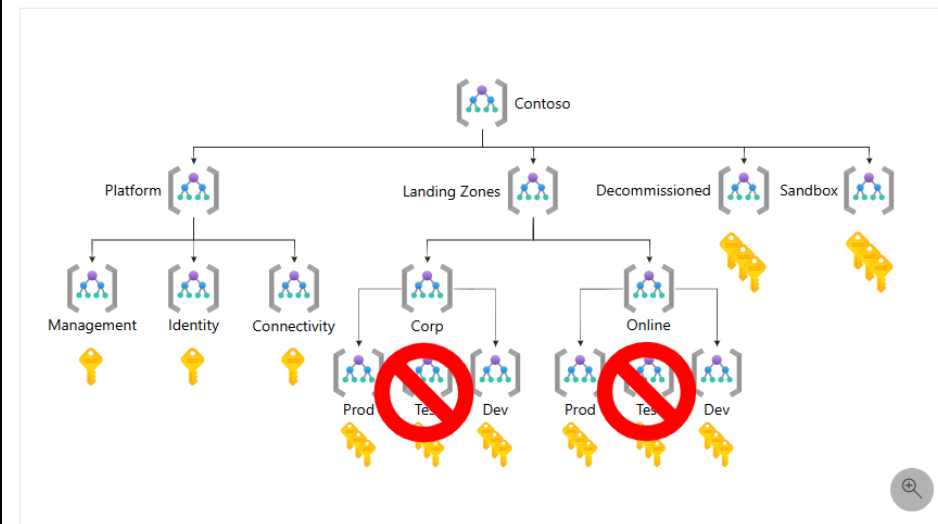
Environment-based management group challenges

Management groups for environments within archetypes can add management overhead and provide minimal value.



The *landing zones* management group should have universal policies that enforce guardrails for both *corp* and *online* child management groups. *Corp* and *online* have unique policies that enforce company guidelines related to public and private-facing workloads.

Many organizations create separate management groups for workload software development lifecycle (SDLC) environments to assign environmental policies and controls. In practice, this method creates more challenges for workload teams than it solves. SDLC environments shouldn't have different policies, so we don't recommend separate management groups.





Private Link and DNS integration at scale

📌 Note

You can deploy a DNS Private Resolver in your Hub Virtual Network alongside your ExpressRoute Gateway etc. However, you must ensure that resolution of public FQDNs is permitted and replies with a valid response via a DNS Forwarding Ruleset Rule to the targeted DNS server. As some Azure services rely upon the ability to resolve public DNS names to function. See more [here](#)



Announcement



Bicep Subscription Vending Module now
migrated to AVM Pattern Module as v0.1.0
([avm/ptn/lz/sub-vending](#))

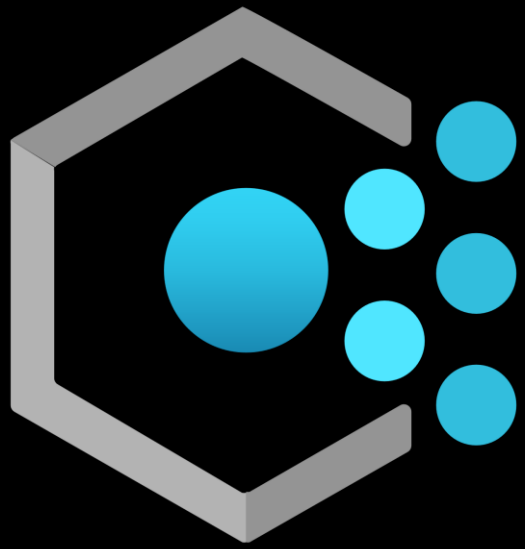


Original `v1.5.2` becomes `v0.1.0` in AVM





Policy Refresh H2FY24 Updates





ALZ Policy News

aka.ms/alz/whatsnew



- **Policy Refresh H2 FY24**

- Massive update - be sure to review "What's New"
- No "breaking" changes!

- **Diagnostic Settings v2** 🎉

- Transitioned to new built-in initiative and 140+ resources covered
- Deprecated all ALZ custom policies and initiative
- Raise any gaps on repo "Discussions" topic

- **Trusted Launch**

- New Trusted Launch initiative to audit compliance

- **Private DNS Zones**

- Added several resources with built-in policies
- *New* generic custom policy to enable for all supporting resources

- **Backup**

- New backup initiative auditing
 - Immutability
 - Soft Delete
 - Multi-User Authorization

Many other updates!





ALZ Policy News

aka.ms/alz/policies



- Workload Specific Compliance
 - New component for ALZ
 - Common enhanced controls for highly regulated industries (FSI, healthcare, etc)
 - Separate section in portal accelerator
 - 25 new custom initiatives
 - 24 new custom policies
 - Significant updates to existing initiatives
 - Coming soon to Terraform/Bicep
- Defender for Cloud
 - Fixes due to DfC API breaking changes
 - API
 - Security Contacts
 - New Endpoint protection policy assignment at subscription level
- Loads of documentation updates in the Wiki





MMA Deprecation Update





MMA Deprecation

- ALZ is now using a single centralized User Assigned Managed Identity for AMA
- Custom Policies
 - Added a Deny Action Delete policy to protect the UAMI for AMA from accidental deletion.
- Built-in Policies:
 - Centralized UAMI feature added to:
 - VM Insights
 - Change Tracking
 - Microsoft Defender for SQL
 - Microsoft Defender for SQL:
 - Bring your own UAMI
 - Bring your own DCR
 - Transitioned to use the updated built-in policy
- Deprecated Policies:
 - Custom [Defender for SQL initiative](#) has been deprecated and is replaced by [Configure SQL VMs and Arc-enabled SQL Servers to install Microsoft Defender for SQL and AMA with a user-defined LA workspace](#)
 - Custom [User Assigned Managed Identity policy](#) has been deprecated. UAMI for AMA is now centrally deployed therefore this policy is no longer required.





MMA Deprecation

- Coming June 2024:
 - AMA for Bicep and Terraform
 - Brownfield guidance on updating existing ALZ deployments to use AMA





AMBA Updates






AMBA Updates

aka.ms/amba/patterns/alz



- Alert Processing Rule for alert suppression
- Bring your own Action Group and/ or Alert Processing Rule
- Alerts for Arc-enabled VMs
- Documentation updates, Architecture Diagram updated ([Visio](#))
- Preparing for the unexpected: Azure Incident Readiness
 - [Preparing for the unexpected: Azure Incident Readiness \(youtube.com\)](#)
- [Feature Update: Azure Action Groups - Email Azure Resource Manager role](#)
 - In the new behavior, the users who inherit a role assignment from being a group member will start receiving emails.





AMBA Roadmap

aka.ms/amba/patterns/alz

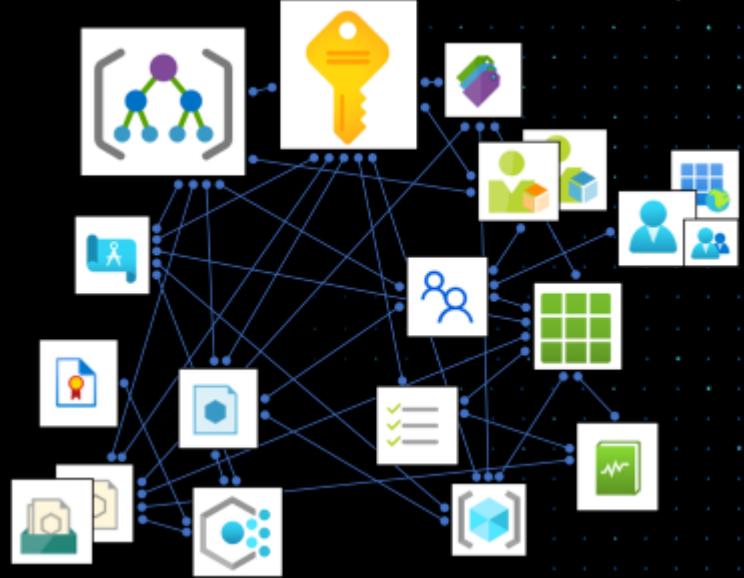


- AMBA ALZ Portal Accelerator
- Quota Alerts
- Alignment with APRLv2
- Update AMBA release in the ALZ Portal Accelerator
- AMBA for ALZ Bicep/ Terraform
 - AMBA is not yet integrated into the ALZ-Bicep repository, However, this integration is underway and will soon be available. If you wish to deploy AMBA now, please see this [Wiki](#)
- [Azure Site Recovery \(ASR\)](#) now surfaces default alerts via Azure Monitor for critical events.
 - These alerts will be added to AMBA ALZ Pattern.
- Adding alerts for ManagedHSM
- Refactoring MonitorDisable



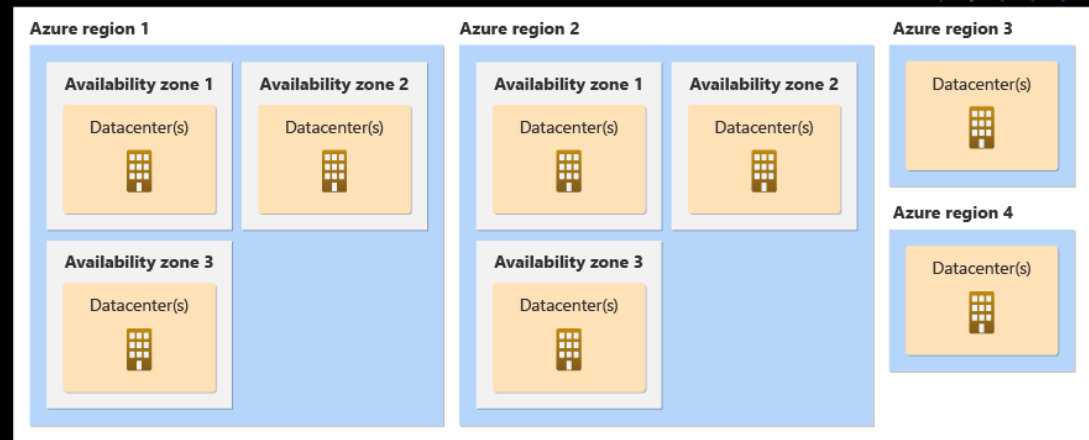


AzAdvertizer Updates





Multi-Region Updates





Multi-Region Updates



- We've updated a number of CAF ALZ documents
- ALZ Portal update planned this month!

Azure landing zone accelerator ...

Deploy from a custom template

Resource prefix (Root ID) * ⓘ

Platform subscription options ⓘ

Dedicated (recommended)

Single

Deploy in a secondary region ⓘ

Yes (recommended)

No

- Bicep and Terraform planned CY2024 Q3

[Azure Virtual Network Manager in Azure landing zones](#)

[Define an Azure network topology](#)

[Define your tagging strategy](#)

[Resource naming and tagging decision guide](#)

[Traditional Azure networking topology](#)

[Landing zone regions](#)

[Hybrid identity with Active Directory and Microsoft Entra ID in Azure landing zones](#)

[Management groups](#)

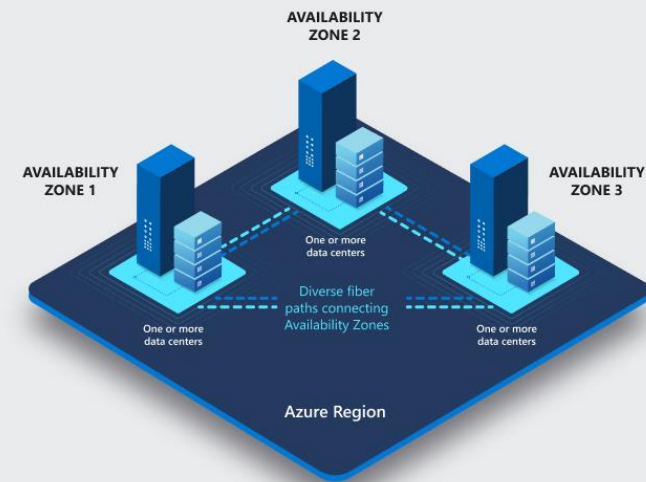
[Subscription considerations and recommendations](#)

[Resource organization design area overview](#)





Zone Redundancy Updates





Zone Redundancy Updates



- **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 by end of CY24

- **Combined Blog with Multi-Region to follow**

Azure landing zone accelerator

Deploy from a custom template

Deploy ExpressRoute Gateway Yes
 No

Deploy zone redundant or regional ExpressRoute Gateway Zone redundant (recommended)
 Regional

Select the ExpressRoute Gateway SKU

Deploy Azure Firewall Yes (recommended)
 No

Select Azure Firewall tier

i ALZ enables Availability Zones for all services that it deploys by default for maximum resiliency in regions where Availability Zones are supported, including for Azure Firewall. Review the selected Availability Zones meet your architectural requirements and that you understand the added costs for inbound and outbound data transfers associated with Availability Zones, before proceeding. Click on this box to learn more about the Availability Zones and Azure Firewall.

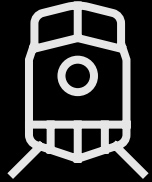




Microsoft Cloud for Sovereignty Updates



Microsoft Cloud for Sovereignty | Release Wave 1, April 2024

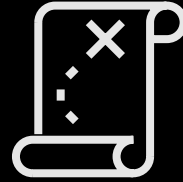


Guardrails

SLZ is more powerful with more **configurability** and leveraging an **Azure built-in Sovereign Policy Baseline**.

Additional sovereign controls enable additional compliance needs, including policy initiatives for **NATO**, policies to leverage **Trusted Launch VMs**, and updates for **Italy ACN** and **NL BIO**.

Additional Azure services available in GSP, including managed HSM.

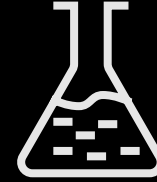


Guidance

Significant additional sovereign guidance around **workload migration** and CAF/WAF/CSA Plays

New **LLM reference architecture** for AI workloads

Introduction of first guidance around sovereign **M365** and **D365** configurations



Previews

New tools available for **assessing** existing environments and monitoring for **drift** enter public previews

Development continues Azure **portal experiences** enabling easier discovery and new capabilities for private preview customers today

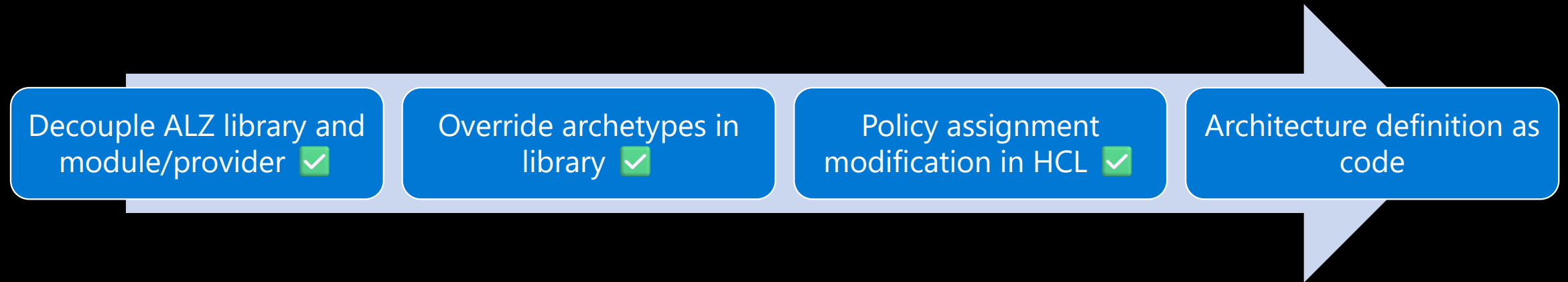
Find out more at: [Streamline controls with Microsoft Cloud for Sovereignty - Microsoft Industry Blogs](#)

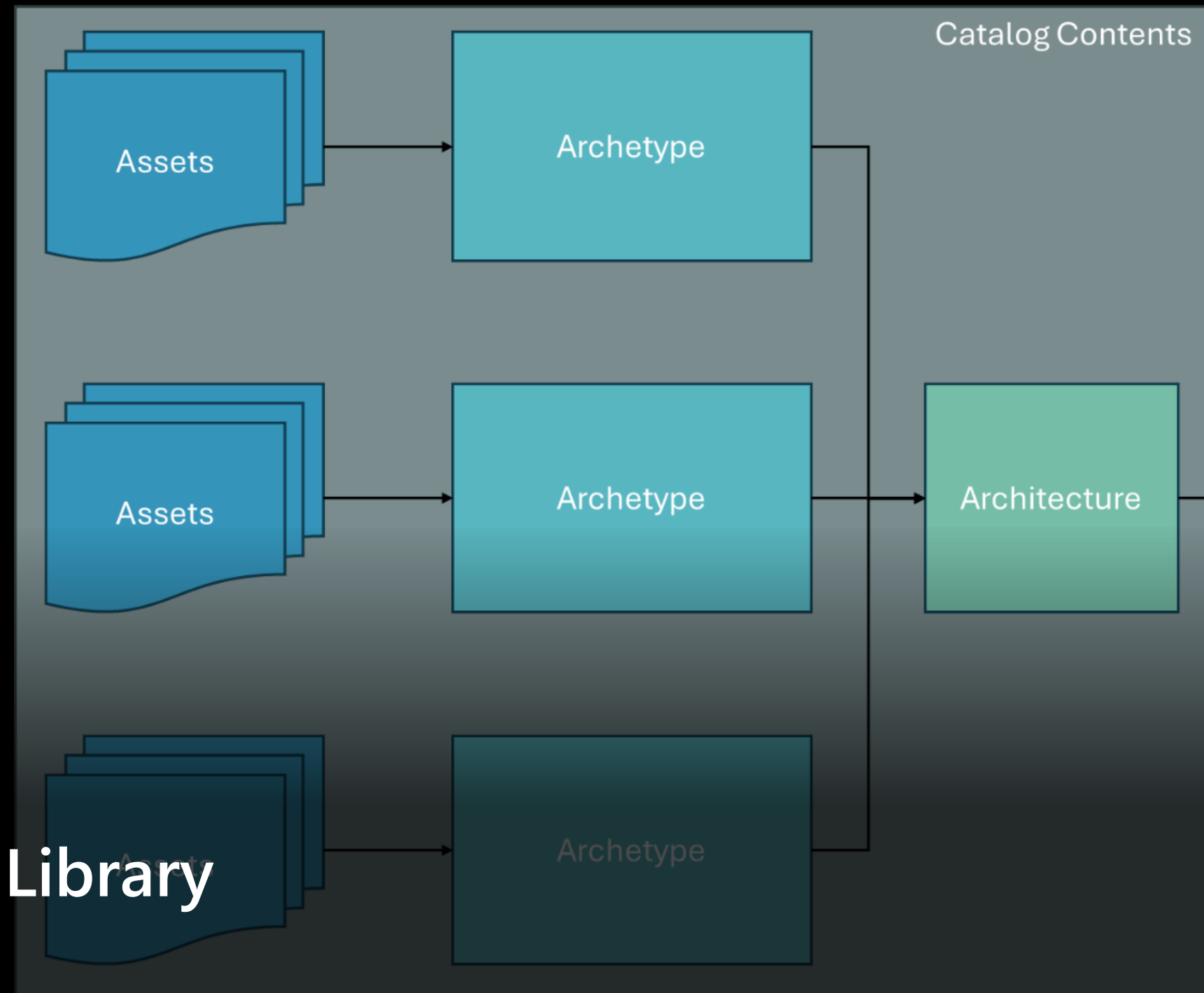


ALZ Terraform vNext Update



Pathway to v1.0.0





Architecture-as-code



Before

- Define MG architecture in HCL



After

- Define architecture as file
- Can either take one from our library, e.g. ALZ default
- Or create your own

Example file

```
---
name: alz
management_groups:
- name: orgroot
  display_name: "Org Root"
  pre_existing: true
  archetypes:
    - root
    - fsi_root
  children:
    - landing_zones
    - platform
    - sandbox
- name: landingzones
  display_name: "Landing Zones"
  pre_existing: false
  archetypes:
    - landing_zones
  children:
    - corp
    - online
```



ALZ Bicep Updates






ALZ-Bicep Updates



[v0.17.3](#) and [v0.17.4](#) just released!

- Availability zones supported when running the Accelerator.
- Added policy exemption module for baseline Sovereign Landing Zone initiatives.
- Multiple bug fixes specific to the networking modules as well as one bug for the ALZ default policy assignments module.
- Documentation additions and improvements including but not limited to:
 - Guidance for integrating Azure Monitor Baseline Alerts within the Accelerator framework.
 - Wiki page created for providing a list of Known Issues within ALZ-Bicep





ALZ-Bicep Roadmap



Public Roadmap



- Ingest Policy Refresh FY24H2
- Updates to accommodate MMA Deprecation with AMA.
- Integrate Azure Monitor Baseline Alerts and associated documentation.
- Automate the setup of Azure DevOps and GitHub within the Accelerator.
- Simplify policy updates and customizations within the Accelerator framework.
- Migrate to be built from AVM modules 🧑🏻
(more info on next slide)





ALZ-Bicep “Migration” to AVM



- **What This Means for ALZ-Bicep?**
 - Put very simply, all ALZ Bicep modules will be deprecated and instead a new version of ALZ Bicep will be released that will be built solely of AVM Bicep modules (Resource & Pattern). The ALZ Bicep repo will transition to become the home of the [accelerator](#) providing examples and reference code bases of how to deploy the various ALZ reference architectures.
- **Transition Plan**
 - Whether ALZ Bicep Team maintained or not, they will all live in AVM as their home.
 - We will provide detailed steps, and possibly tooling, to ensure a smooth transition.
- **Benefits for You**
 - Enhanced customization & greater flexibility to tailor modules, via input parameters, to your specific needs as the AVM modules are way more flexible by design.
 - Enhanced specifications/standards, testing, CI framework to benefit from promoting consistency and quality further in the modules that build ALZ Bicep.
 - Closer alignment with the [Well-Architected Framework](#) as this is an [AVM requirement](#).
 - Larger community to help implement feature requests and fix any bugs.
 - Breaking up some of the monolithic modules into smaller pieces, e.g. Hub Network ALZ Bicep module will be no more and instead composed of various AVM Resource Modules.



ALZ-Bicep "Migration" to AVM



AVM Maintained Modules (Already exist unless stated)

Governance Modules

Management Groups (inc. Diag Settings)
(avm/res/management/management-group)

Subscription Placement
Requires creation/development

ALZ Custom Policy Definitions & Initiatives
Pattern requires creation/development

Custom Policy Definitions & Initiatives
Resource/Pattern requires creation/development

ALZ Default Policy Assignments
Pattern requires creation/development

Policy Assignments
(avm/ptn/authorization/policy-assignment)

ALZ Custom Role Definitions
Resource/Pattern requires creation/development

Custom Role Definitions
Resource/Pattern requires creation/development

Role Assignments
(avm/ptn/authorization/role-assignment)

Logging & Monitoring Modules

Log Analytics Workspace
(avm/res/operational-insights/workspace)

Log Analytics Workspace Solution
(avm/res/operational-insights/solution)

Hub Networking Replacement Modules

Virtual Network
(avm/res/network/virtual-network)

Azure Firewall
(avm/res/network/azure-firewall)

Azure Firewall Policy
(avm/res/network/firewall-policy)

Private Link Private DNS Zones
(avm/ptn/network/private-link-private-dns-zones)
Under Development

VPN/ExpressRoute Gateway
(avm/res/network/virtual-network-gateway)

Azure Bastion
(avm/res/network/bastion-host)

VWAN Networking Replacement Modules

Azure Firewall
(avm/res/network/azure-firewall)

Private Link Private DNS Zones
(avm/ptn/network/private-link-private-dns-zones)
Under Development

VPN Gateway
(avm/res/network/vpn-gateway)

ExpressRoute Gateway
(avm/res/network/express-route-gateway)

Virtual WAN
(avm/res/network/virtual-wan)

Virtual WAN Hub
(avm/res/network/virtual-hub)

Feedback Link!





Q & A

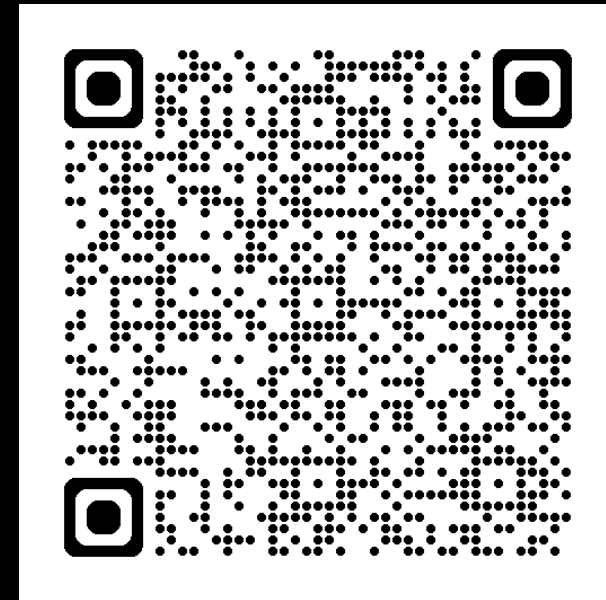


Next Community Call will be on 25th September 2024 👍

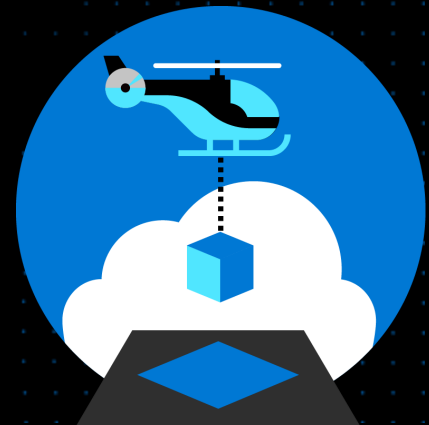


Back to an US friendly time slot for this occurrence and then the one after will be back to this time slot 👍

Stay tuned to [issue #1666](#) (ALZ/ESLZ Repo)



Recordings will be available at:
aka.ms/ALZ/Community



This month's presenters:



Thank You!



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