

TECH DATASHEET

Azure Landing Zone Accelerator pack.



PROBLEM

Building any form of Azure landing zone to enterprise-grade requirements is a significant undertaking. We have seen many customers take upwards of 6 months to produce even simple landing zones that their businesses trust enough to transition their important business services to.

Our aim with the ALZ Accelerator is to lay down a firm foundation in 6-8 weeks that covers most of the fundamental requirements of an enterprise ALZ.



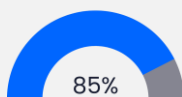
SOLUTION OVERVIEW

Microsoft has long offered architectural patterns for deploying Azure hub and spoke architectures. These foundational designs handle basic functions like access controls, traffic routing, and administrative and network boundaries, aiding customers in initiating Azure deployments. This was later expanded with the Azure Cloud Adoption Framework (CAF).

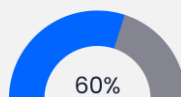
Following years of implementing these ALZ architectures and building best practices with Terraform, we've developed highly flexible and efficient deployment methods.

Our approach consider the seven layers of an Azure Landing Zone:

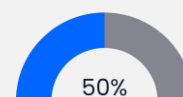
- **DevOps:** Agreeing DevOps tooling and IaC standards will make the deployment process more efficient
- **Cloud Platform:** The design of the Azure AD Tenant(s), Management Group structure, subscription(s) and identity.
- **Networking:** Core networking components, such as virtual networking (including address space management), site-to-site connectivity, routing and name resolution.
- **Security:** Edge security appliances, network security, identity and access management and security event management.
- **Availability:** Operational tooling and processes involving backup, recovery, replication and high-availability.
- **Systems Management:** Operational tooling and processes, such as OS patching, monitoring and alerting and state configuration.
- **Governance:** Platform governance tools, such as tagging, Azure Policy and cost management.



80-90% acceleration in Azure platform delivery through enhanced automation*



60%+ reduction in Azure platform design and build costs through optimised design practices*



50%+ reduction in operational run costs can be achieved compared to traditional support methodologies*

*All estimates are an approximate based on experience to date.

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SOLUTION DELIVERABLES

Network architecture

Multi-region	Either a single or multi-region deployment
Hub environment	A Hub environment to be used for shared services
Virtual WAN or VNet topology	Network topology utilising Virtual WAN or traditional VNet peering
Multiple spoke environments	Multiple spokes connected to either the Hub VNet or Virtual Hub (depending on chosen network topology)
Site-to-site connectivity	Site-to-site connectivity in the form of ExpressRoute, Site-to-Site VPNs or Point-to-Site VPNs for Virtual WAN or VNet topology

Security and Firewall

Azure Firewall or Palo Alto NGFW	The option of deploying either an Azure Firewall or a Palo Alto NGFW in either a Virtual WAN or VNet topology
Firewall rules	YAML based firewall rules for either Azure Firewall or Palo Alto NGFW
Network security	Network Security Groups deployed by default and managed with YAML based rules
Secure routing	Secure routing via either Azure Firewall or Palo Alto NGFW
Azure Bastion	Azure Bastion with security and tunnelling options

DNS and Policy Management

Private DNS zones	One or more Private DNS Zones, including the linking of VNets across all regions and environments
Public DNS zones	Multiple public DNS zones where required
DNS private resolver	DNS Private Resolver and forwarding rules to enabled hybrid DNS services
Azure Policy	Azure Policy, including built-in and custom policies / initiatives, managed by code

Monitoring and Recovery

Recovery services	Backup Vaults and/or Recovery Services Vaults with configurable policies managed by code
Monitoring resources	Automation Account, Log Analytics Workspace, Data Collection rules, runbooks and log and metric alerts as required

Additional Resources

Custom resources	Optional deployment of custom resources
Documentation library	Full documentation set covering design and operation of the framework

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HOW TO GET STARTED

We start with a video call with our expert team to understand more about your existing deployment, needs and aspirations.

We find that customers deployments come in all shapes and sizes from not started to running in production for several years.

Once we are clear on your higher-level goals for your Azure environment, we agree next steps to dive deeper and plot your rapid path to an enterprise-grade Azure deployment that boasts all the characteristics you need architecturally and operationally to host all your production workloads.

WHAT TO EXPECT

The path forward is very clear as we work closely with your team to agree and execute the optimisations that deliver on your enterprise-grade expectations.

That could be a green field deployment leveraging our extensive code base (IaC) to using our code modules and design patterns just where needed to close the gaps that exist in an existing Azure deployment that may have grown organically over several years.

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“The BlakYaks guys deployed their DevOps and Landing zone accelerator solutions quickly and saved us months going round design cycles and build work.”

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You can reach the team by:

Calling on 020 4551 9237

Emailing on solutions@blakyaks.com

Learn more:



Our team prides itself on being easy to work with, responsive and flexible. From turning around quotes to firing up our engagement squads, you can count on us to give the rapid and professional response you need.

BlakYaks.