



AZURE LANDING ZONE FOR FINANCIAL SERVICES ORGANIZATIONS

A flexible solution based on modular architecture artefacts, accelerators and resources, which enables Capgemini experts to create customized and adjustable Landing Zones, that meet the specific needs and design decisions of our customers.

Microsoft
Partner



2021 Partner of the Year Winner
Financial Services Award
Global SI Digital Transformation Award
Analytics Award

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INDUSTRY: FINANCIAL SERVICES ORGANIZATIONS

Our solution provides capability to FS customers to quickly build highly secure, compliant and automated Landing Zone. We enable our clients to start on boarding applications to Azure within 12 to 16 weeks of the start of the engagement.

CHALLENGES

Our FS Customers experience the following challenges when building Landing Zones (LZ):

- Lack of cloud skills among IT teams
- Security and Regulatory compliance
- Time to build is high
- Lack of integration with third party tools and offerings
- Inability to track and manage cost efficiently
- Not fully automated

IDEAL SOLUTION

Our solution help address all these challenges by:

- Provide best practices guidance
- Use our set of accelerators (architecture designs, Terraform modules, etc.) to quickly build an enterprise scale LZ
- Ensure hardened and regulatory compliant environments
- Build an internal capability or manage the environments

DESIRED OUTCOMES

Our solution enables customers to take use of best practices and lessons learnt we have accumulated over years of helping customers build and operate Cloud platforms in Financial Services Sector.

Our layered approach that covers all crucial aspects in LZ build and deployment.

We decrease Landing Zone deployment time up to 50% and increase Developer productivity up to 40%.





AZURE LANDING ZONE FOR FINANCIAL SERVICES ORGANIZATIONS

Accelerated Azure adoption for Banking and Insurance Customers

1

Terraform based and modular

Our hardened Terraform modules allow FS Customers to use stateful, cloud-agnostic tool to build their Landing Zone and Cloud environments. Our modules enabled flexible and customized deployments.

2

Fully automated and interoperable

We follow DevOps practices by utilizing CI/CD pipelines for automated deployments, testing and security gates.

We support out of the box integration with third party tools

3

Secure and Compliant

We follow best architecture and security practices.

We support industry standards of compliance via policy as code approach: **PCI-DSS, HIPAA, SWIFT**, etc.





CAPGEMINI LANDING ZONE FRAMEWORK FOR AZURE CLOUD

Microsoft Azure is the preferred Cloud platform for Fortune 100 and UK FTSE customers and Financial Services Organizations. Capgemini enables Customers to quickly build out their Azure Foundations and start rapidly migrating their workloads without worrying about compliance, security and automation.

INFRASTRUCTURE AS CODE APPROACH

Our solution enables customers to start utilizing Azure services rapidly and in a repeatable fashion. We have a library of more than 100 terraform modules, that grows daily.

POLICY AS CODE APPROACH

Utilizing Azure Policies, Initiatives and Blueprints allows us to implement preventive controls in Azure Cloud to ensure compliant environments.

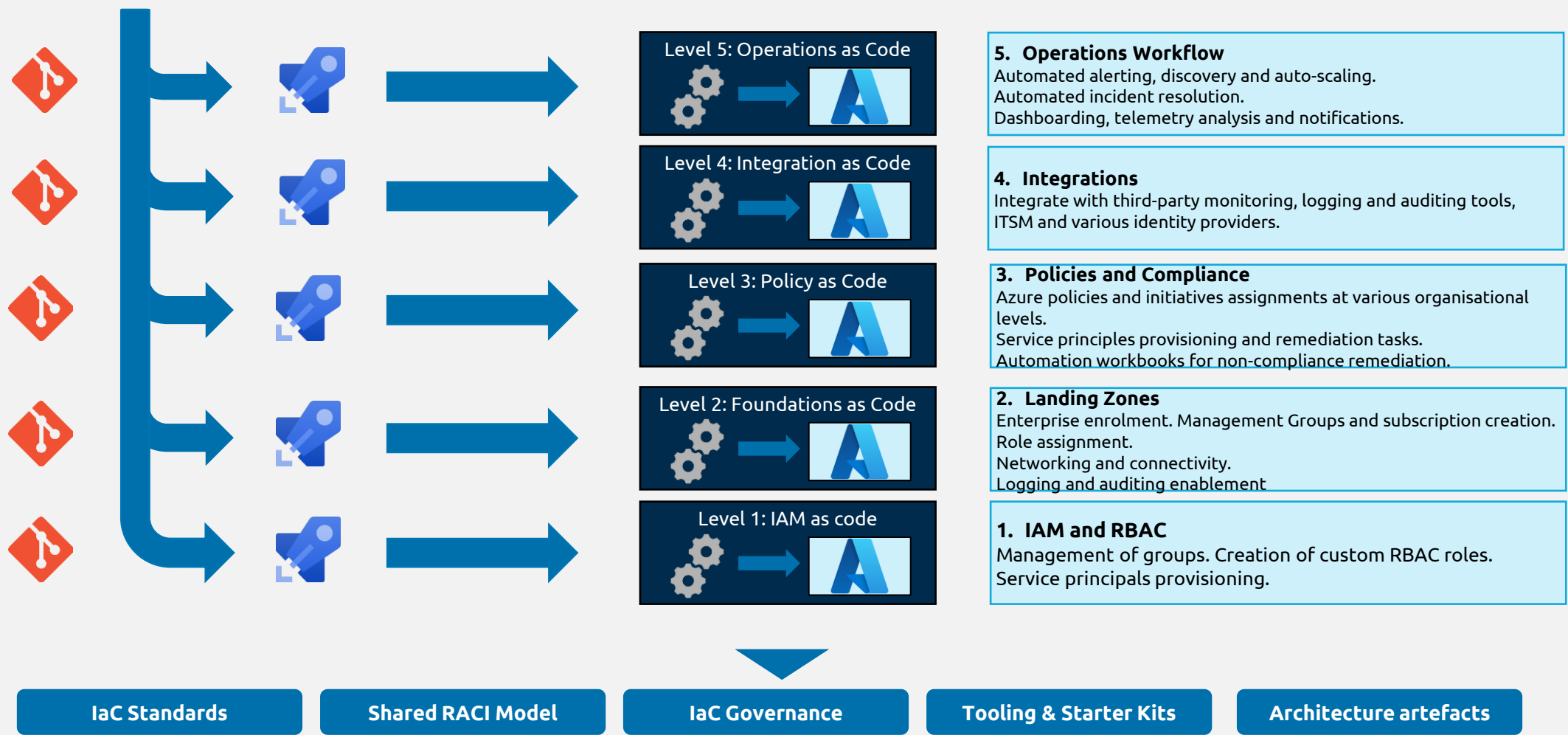
LAYERED FRAMEWORK APPROACH

Our layered framework approach allows us to address all components in building Landing Zones and Azure Cloud Platform and iterate on each layer independently.



OUR LAYERED APPROACH

Our X-as-Code Automation Framework



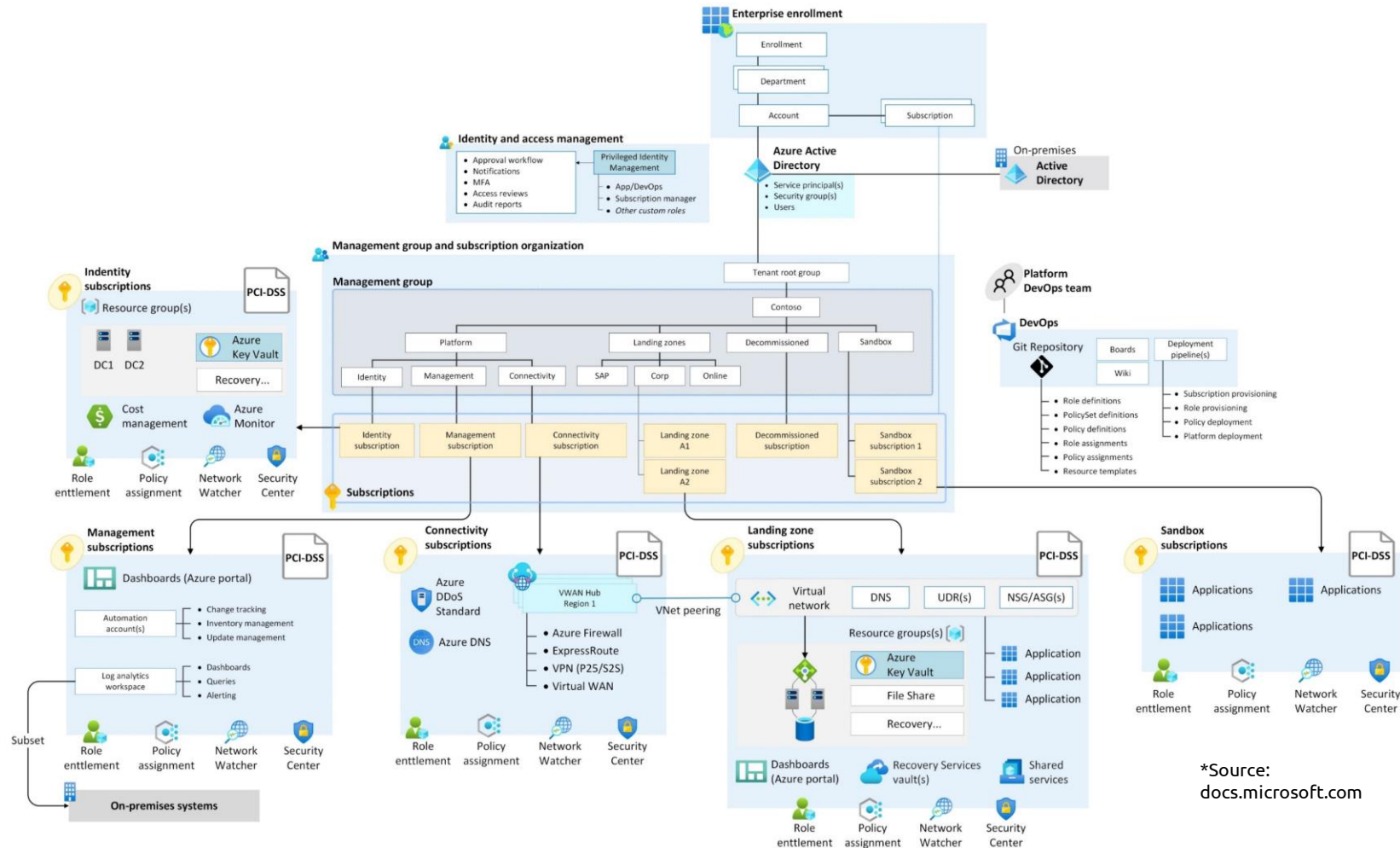


ENGAGEMENT PROCESS





SAMPLE LANDING ZONES – ENTERPRISE SCALE LANDING

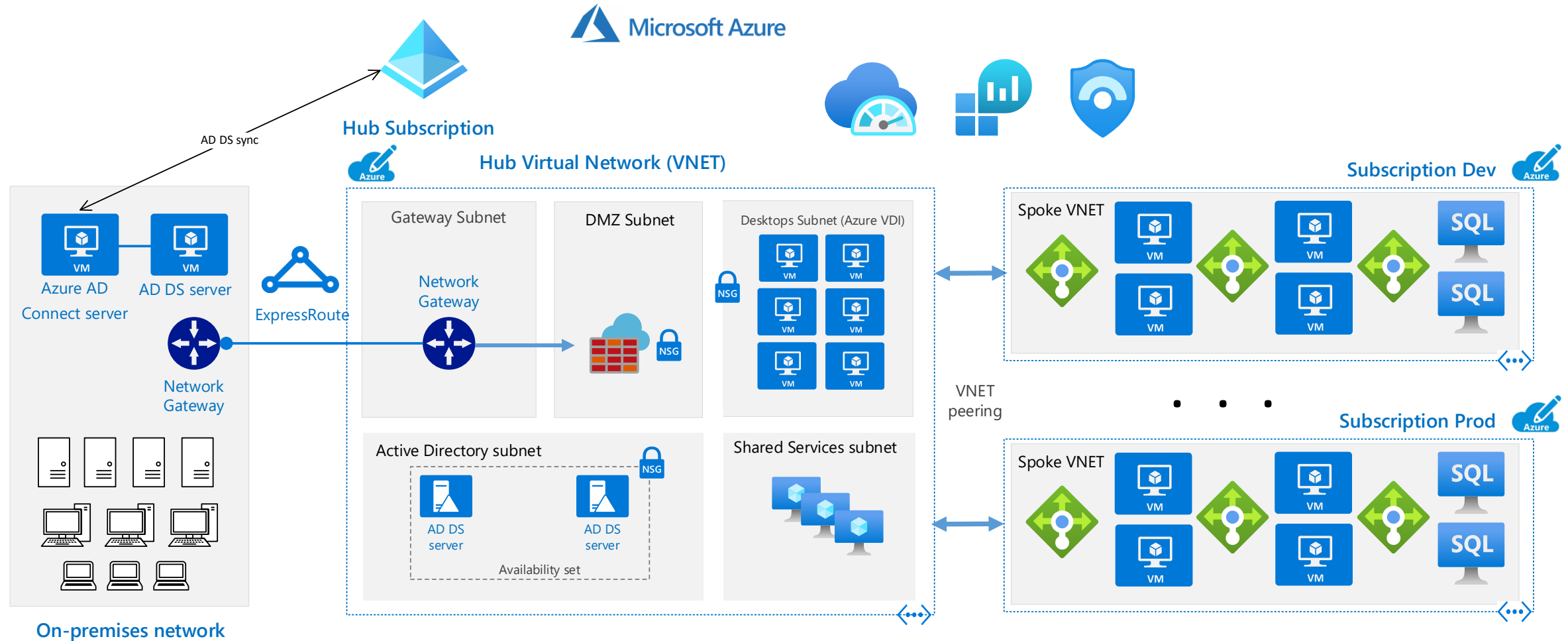


*Source:
docs.microsoft.com

Enterprise Scale Landing Zone, suitable for full estate migration



SAMPLE LANDING ZONES – SMALL DEPLOYMENTS



Small Landing Zone, suitable for deploying a single application across multiple environments



ENTERPRISE SCALE LANDING ZONE IMPLEMENTATION SCREENSHOTS

Root Management Group

Management group

Search (Ctrl+/)

CreateAdd subscriptionRefreshRename groupDeleteMoveExpand

Click on a management group to view more details. Right-click on a subscription or group to move into another group.

ID: Access Level: Owner Path: / Root Management Group

Search by name or ID

Showing 2 subscriptions in 8 groups

Name	ID
Root Management Group	
Corporate	corp
Connectivity	conn
Development	dev
Finance	finance
HR	hr
Production	prod

Assign policyAssign initiativeRefresh

Scope: Corporate Definition type: All definition types Search: Filter by name or ID...

Now create custom non-compliance messages for policy assignments. Learn more https://aka.ms/policyassignmentnoncompliancessage

Total Assignments: 7 Initiative Assignments: 1 Policy Assignments: 1

Assignment name: Allowed locations Allowed locations for resource groups Configure Azure Defender to be enabled on SQL servers Configure SQL servers to have auditing enabled Deploy SQL DB transparent data encryption PCI v3.2.1:2018 Require encryption on Data Lake Store accounts

Policy | Remediation

Search (Ctrl+/) Refresh

Scope: Corporate

Policies to remediate Remediation tasks

This is a list of assigned policies with deployIfNotExists or modify effect.

Policy Definition	Assignment
Configure Azure Defender to be enabled on SQL servers	Configure Azure Defender to be enabled on SQL
Configure SQL servers to have auditing enabled	Configure SQL servers to have auditing enabled
Deploy SQL DB transparent data encryption	Deploy SQL DB transparent data encryption
Add system-assigned managed identity to enable Guest Configuration assignments on virtual machines with no identities	PCI v3.2.1:2018
Add system-assigned managed identity to enable Guest Configuration assignments on VMs with a user-assigned identity	PCI v3.2.1:2018
Deploy the Windows Guest Configuration extension to enable Guest Configuration assignments on Windows VMs	PCI v3.2.1:2018

connectivity-vwan-... vhub-eastus

shared-vnet shared-vnet-eastus

prod-vnet prod-vnet-eastus

dev-vnet dev-vnet-eastus

azfw-eastus

Add connection Refresh

Hub	Hub region	Virtual network	Virtual network connecti...	Virtual network connecti...
vhub-eastus	East US	Virtual networks (3)		Succeeded (3)
		dev-vnet-eastus	dev-vnet	Succeeded
		prod-vnet-eastus	prod-vnet	Succeeded
		shared-vnet-eastus	shared-vnet	Succeeded



CUSTOMER SUCCESS: FINANCIAL SERVICES CUSTOMER

- Privately owned Financial Services Customer
- Focused on Insurance and Reinsurance
- Tech-forward focus to achieve diverse perspective
- Combining insurance products with Data science and robust analytics
- 90% of apps are third party products and SaaS Services, 10% custom applications

Safe and robust landing zone

Terraform landing zone, designed and delivered within 8 weeks. Focus on compliance and automation

Secure and Compliant

Proposed regulatory compliant Security standards, data privacy and classification, PII's treatments, etc. Applied multiple Azure Policy and remediations.

Developer experience and enablement

Adopted Service Catalogue approach to deliver seamless and straightforward on boarding



CAPGEMINI LANDING ZONE FOR FS ORGANIZATIONS

Microsoft Partnership:

<https://www.capgemini.com/partner/microsoft/>

Contact us: microsoft.fs@capgemini.com

Learn more:

Link to your Microsoft Commercial Marketplace offer

Microsoft
Partner



Gold Cloud Platform
Gold Security
Gold DevOps
Gold Application Development
Gold Data Platform





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