

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

2021 Partner of the Year Winner

Financial Services Award Global SI Digital Transformation Award Analytics Award





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 quidance
- Use our set of accelerators (architecture designs, Terraform modules, etc.) to quickly build an enterprise scale 17
- Ensure hardened and regulatory compliant environments
- Build an internal capability or manage the environments
- Infrastructure testing setup

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

Terraform based and modular

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

Fully automated and interoperable

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

Our infrastructure testing library compliments the terraform modules and may be utilised separately for auditing purposes.

Additionally, we support out of the box integration with third party tools.

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.

Security testing with Checkov and infrastructure/audit testing with Chef Inspec.





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. Cappemini enables Customers to quickly build out their Azure Foundations and start rapidly migrating their workloads without worrying about compliance, security and automation.

IINFRASTRUCTURE 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.

Advanced infrastructure and security testing capabilities.

POLICY AS CODE APPROACH

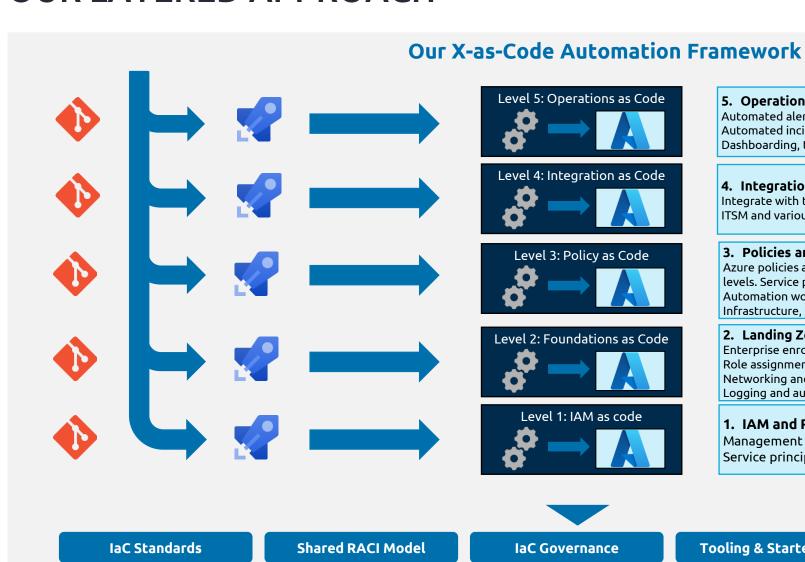
Utilizing Azure Policies, Initiatives and Blueprints allows us to implement preventive controls in Azure Cloud to ensure compliant environments.

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



5. Operations Workflow

Automated alerting, discovery and auto-scaling. Automated incident resolution. Dashboarding, telemetry analysis and notifications.

4. Integrations

Integrate with third-party monitoring, logging and auditing tools, ITSM and various identity providers.

3. Policies and Compliance

Azure policies and initiatives assignments at various organisational levels. Service principles provisioning and remediation tasks. Automation workbooks for non-compliance remediation. Infrastructure, security and audit testing

2. Landing Zones

Enterprise enrolment. Management Groups and subscription creation. Role assignment.

Networking and connectivity.

Logging and auditing enablement

1. IAM and RBAC

Management of groups. Creation of custom RBAC roles. Service principals provisioning.

Tooling & Starter Kits

Architecture artefacts



ENGAGEMENT PROCESS



ARCHITECT - 4 to 6 weeks

- Assess Financial Services control and compliance requirements
- Define resource governance management groups, subscriptions, policies
- Create IAM design, RBAC Roles and Permissions
- Identify network design, communication, CIDR Ranges, on premise connectivity
- Determine security solutions, traffic filtering, auditing, logging and monitoring
- Detail environments and workload separation, integrations, etc.



CONFIGURE AND CUSTOMIZE-8 to 10 weeks

- Create repositories and pipelines
- Deploy core resources and policies
- Secure the environments, enable logging, monitoring and alerting
- Handover and train customer teams

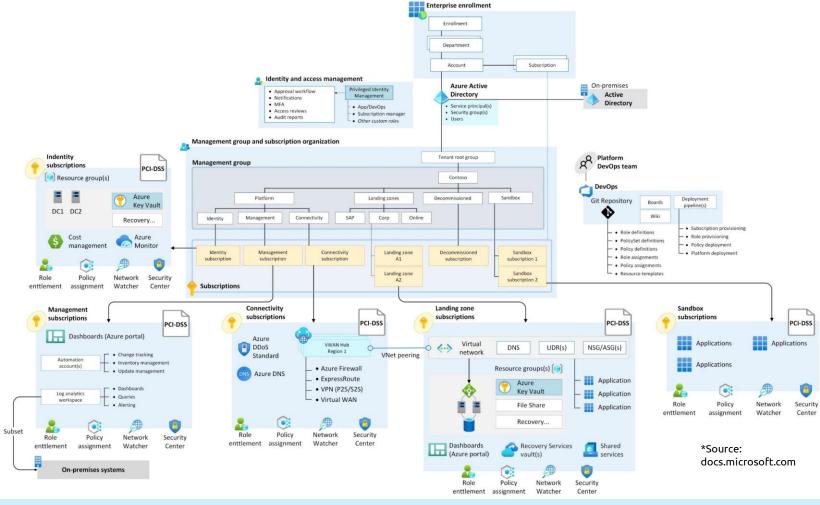


OPERATE – optional

- Continually update and modify the Landing Zone based on customer needs
- Assist Application teams in building CI/CD pipelines and adopt DevOps
- Manage and monitor the environments



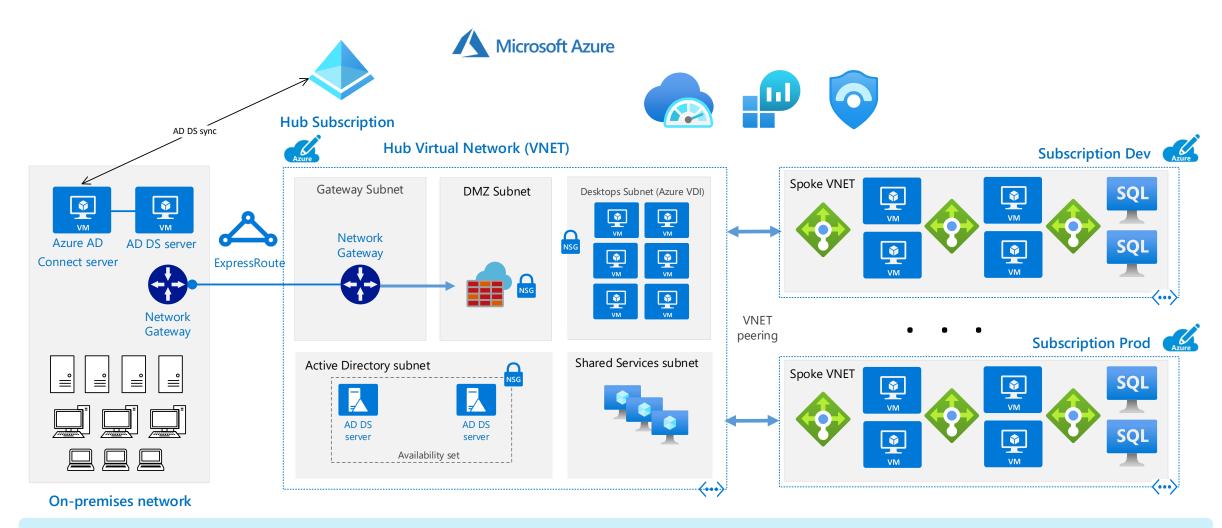
SAMPLE LANDING ZONES – ENTERPRISE SCALE LANDING



Enterprise Scale Landing Zone, suitable for full estate migration



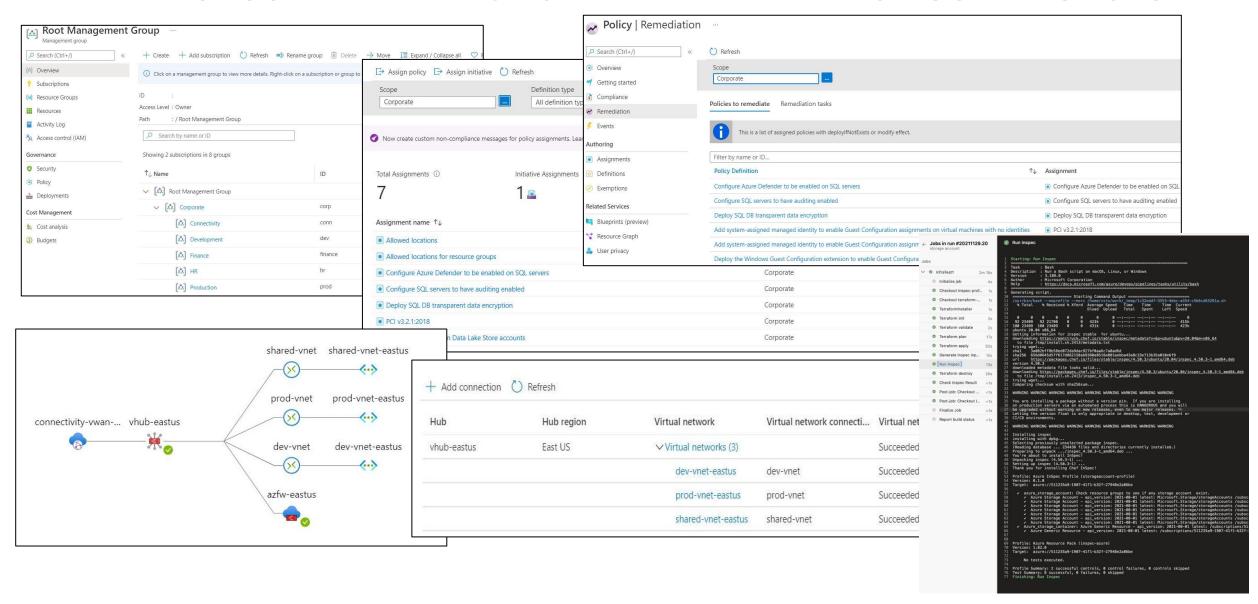
SAMPLE LANDING ZONES – SMALL DEPLOYMENTS



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



ENTERPRISE SCALE LANDING ZONE IMPLEMENTATION SCREENSHOTS



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





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



Capgemini



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