Overview

Azure Landing Zone Accelerator

Hitachi Digital Services offers a comprehensive framework and set of templates designed to setup a secure and optimal foundation of your cloud environment that is customized to meet your requirements to build, deploy and run your IT workloads.

The accelerator is designed with Microsoft best practices and provides a full automation using Infrastructure-as-Code (IaC) scripts.

The accelerator is built on following Core Principles

Scalability	Security	Governance	Cost Optimization
Easily scale to meet your evolving cloud requirements	Enforces cloud security best practices	Promotes governance policies & standards	Efficient & optimal cloud environment with optimized cost

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Faster Deployment

Improved Security

Consistency & Flexibility

Repeatability

Hitachi Digital Services - Azure Center of Excellence

Five Deployment Models

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1 Foundation

Foundation model (VNET based) is for those who are starting their cloud journey and keep the initial cost under check, but still want to align with Microsoft Cloud Adoption Framework as much as possible.

Suitable for starting cloud journey

2 Basic

Basic model is expansion of foundation model with enhanced security posture using Azure Firewall and central control over application traffic.

Suitable for starting cloud journey

3 Standard

Standard model is extension of basic and well aligned with Microsoft Cloud Adoption Framework. Provides a way to upgrade to Enterprise Model without re-architecting/ re-designing and redeployment.

Suitable for most organizations

4 Enterprise

Enterprise model is most advance model, suitable for organizations looking for water-tight security and private communications. This model follows best practices for deployment of Azure Platform Landing Zone.

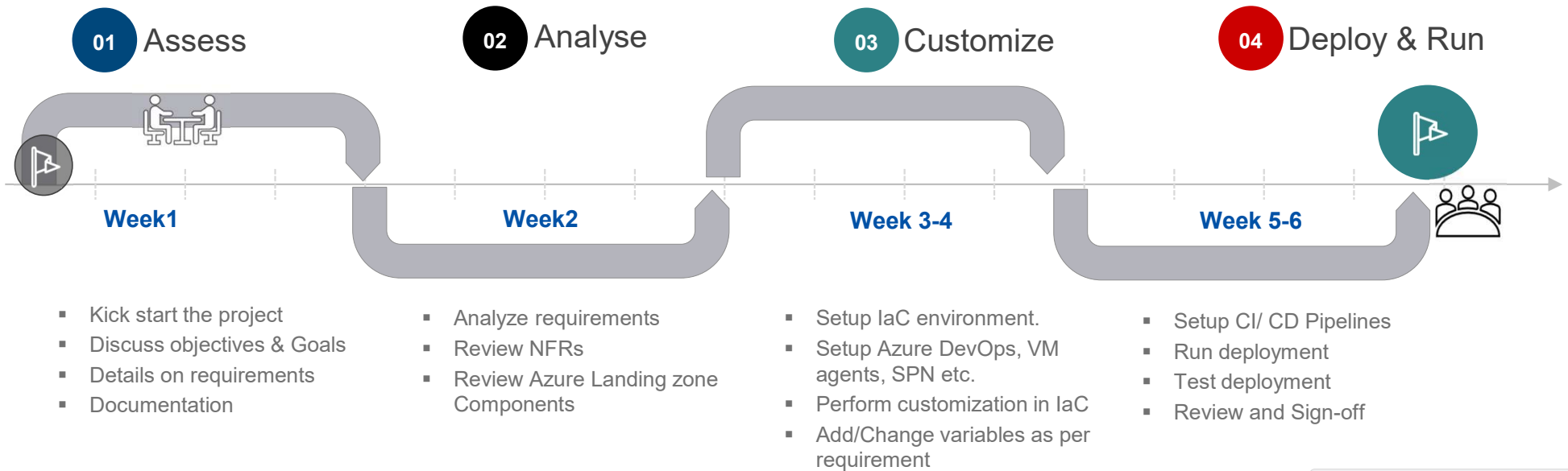**Suitable for enterprise grade solutions**

5 Global Enterprise

Global Enterprise model is based on VWAN. It creates multiple virtual hubs in different Azure Regions in full mesh network topology. It can have Azure Firewall, 3rd party security partner, VPN Gateway, and ExpressRoute connectivity.
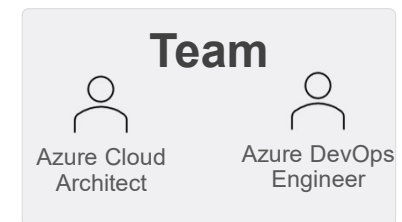
Suitable for global enterprises

- ✓ Modular IaC Approach
- ✓ Customizable solutions (Names, Tags, IP Schema)
- ✓ Predictable cost of solution

- ✓ Pre-defined standards
- ✓ Repeatable & reusable IaC Code for redeployment
- ✓ Governance & Compliance using policies

Implementation Timeline

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01 Assess   **02 Analyse**   **03 Customize**   **04 Deploy & Run**

Week1   **Week2**   **Week 3-4**   **Week 5-6**

- Kick start the project
- Discuss objectives & Goals
- Details on requirements
- Documentation

- Analyze requirements
- Review NFRs
- Review Azure Landing zone Components

- Setup IaC environment.
- Setup Azure DevOps, VM agents, SPN etc.
- Perform customization in IaC
- Add/Change variables as per requirement

- Setup CI/ CD Pipelines
- Run deployment
- Test deployment
- Review and Sign-off

Depending on type of Azure Platform Landing Zone and level of customization, the deployment may take 2- 6 weeks of time.

Team

Azure Cloud Architect   Azure DevOps Engineer

Thank You