

Azure Landing Zone Deployment Service

Achieve Organized, Secure, and Scalable Azure environment!

Prepared by

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Azure Landing Zone Deployment Service is a managed service designed to streamline the setup and configuration of a secure and scalable Azure environment, including infrastructure, networking, governance, and compliance policies. It provides organizations with a pre-configured environment following best practices, accelerating their cloud adoption journey.

Service Deliverables

1. Azure Environment Setup:

- **Subscription Management:** Configuration of Azure subscriptions with a focus on cost management, and resource allocation.
- **Resource Organization:** Implementation of Resource Groups, Management Groups, and appropriate Tagging strategy for easier management and tracking.
- **Networking:** Configuration of Virtual Networks (VNETs), Subnets, Network Security Groups (NSGs), and appropriate IP addressing to establish a robust and secure network topology.

2. Security and Compliance:

- **Identity and Access Management:** Implementation of Azure Active Directory (AAD), role-based access control (RBAC), and conditional access policies.
- **Security Controls:** Integration with Azure Security Center and Azure Policy for compliance monitoring and enforcement.
- **Logging and Monitoring:** Setup of Azure Monitor, Log Analytics, and Azure Sentinel for monitoring, logging, and security threat detection.

3. Governance Framework:

- **Blueprints:** Deployment of Azure Blueprints to ensure the environment meets organizational standards and regulatory requirements.
- **Policy Enforcement:** Application of Azure Policy to ensure resources remain compliant with company policies.
- **Cost Management:** Implementation of Azure Cost Management tools for budget tracking, alerting, and cost optimization.

4. Operational Management:

- **Backup and Recovery:** Configuration of Azure Backup and Azure Site Recovery to ensure business continuity.
- **Automation:** Setup of Azure Automation, including Runbooks and Auto-Scaling to streamline operations.
- **Continuous Delivery:** Integration with Azure DevOps for CI/CD pipeline configuration and automation.

5. Documentation and Handover:

- **Comprehensive Documentation:** Delivery of detailed architecture, deployment, and configuration documents.
- **Knowledge Transfer:** A handover session with key stakeholders to explain the deployed environment, security controls, and management tools.
- **Support Plan:** A customized support and maintenance plan for ongoing management and future scaling.

Outlined Procedures

1. Assessment and Planning:

- **Kick-off Meeting:** Meet with key stakeholders to gather requirements and discuss goals.
- **Current Environment Assessment:** Evaluate the existing Azure environment (if applicable) to identify gaps and opportunities.
- **Landing Zone Design:** Develop a detailed design for the Landing Zone, tailored to the client's business and technical needs.
- **Project Plan:** Define the timeline, milestones, and resource allocation.

2. Environment Preparation:

- **Subscription and Resource Setup:** Create or organize existing subscriptions and set up resource groups, management groups, and tagging.
- **Network Design:** Implement VNets, Subnets, and NSGs, including hybrid network connectivity if needed.
- **Identity Management:** Configure Azure Active Directory, RBAC, and integrate any on-premises identity providers.

3. Security and Compliance Implementation:

- **Security Baseline Setup:** Apply Azure Blueprints and Policies to enforce security and compliance standards.
- **Monitoring Setup:** Configure Azure Monitor, Log Analytics, and Sentinel for proactive monitoring and alerting.
- **Backup Configuration:** Implement Azure Backup and Site Recovery to ensure data protection and disaster recovery.

4. Deployment:

- **Resource Deployment:** Deploy all the required Azure resources according to the design.
- **Policy Enforcement:** Apply and validate Azure Policies to ensure continuous compliance.
- **Automation Integration:** Configure automation scripts, runbooks, and auto-scaling.

5. Testing and Validation:

- **Configuration Testing:** Validate the configuration of all deployed resources against the initial design.
- **Security Testing:** Conduct security assessments to ensure all controls are working as expected.
- **Performance Testing:** Test the environment for performance and scalability under different loads.

6. Documentation and Knowledge Transfer:

- **Documentation:** Compile detailed documentation covering the architecture, configurations, and operational procedures.
- **Training:** Provide a training session for the client's IT staff to manage and maintain the Landing Zone.
- **Final Review:** Conduct a final review with stakeholders to ensure all objectives are met and address any final concerns.

7. Handover and Support:

- **Handover:** Officially hand over the environment to the client with all necessary credentials and documentation.
- **Support Setup:** Establish a support framework for ongoing management, including a plan for future updates and scaling.