



Cloud
Gate

Azure Optimization Assessment

Introduction



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CloudGate is pleased to offer a comprehensive Azure Assessment designed to evaluate your current cloud environment against industry best practices.

This assessment aims to identify strengths, areas for improvement, and opportunities to enhance your Azure infrastructure, ensuring it aligns with your strategic objectives and maximizes the value of your cloud investments.

Key Objectives:

- **Evaluate Current Azure Environment:**
Conduct a thorough analysis of your existing Azure resources, configurations, and architecture.
- **Benchmark Against Best Practices:**
Compare your Azure setup with industry standards and Microsoft's recommended best practices to identify gaps and areas for enhancement.
- **Enhance Security and Compliance:**
Assess the security posture of your environment, including identity management, data protection, and regulatory compliance.
- **Optimize Performance and Cost:**
Identify opportunities to optimize performance, scalability, and cost-efficiency, ensuring your Azure environment is both robust and economical.
- **Provide Actionable Recommendations:**
Deliver a detailed report with actionable recommendations to improve your Azure environment, prioritizing critical issues and quick wins.

Assessment Methodology



Assessment Methodology

1. Discovery and Data Collection:

Gather comprehensive data on your Azure environment, including resource utilization, configurations, and security settings.

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2. Analysis and Benchmarking:

Analyze the collected data and benchmark it against Azure best practices, focusing on areas such as governance, security, performance, and cost management.

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3. Risk Identification:

Identify potential risks and vulnerabilities within your Azure environment, assessing their impact and likelihood.

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4. Optimization Opportunities:

Highlight areas where performance improvements and cost optimizations can be made, including resource consolidation, right-sizing, and leveraging Azure native tools.

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5. Reporting and Recommendations:

Compile a detailed report outlining our findings, including a prioritized list of recommendations, an implementation roadmap, and potential quick wins for immediate improvement.

Assessment Recommendation Results



Cost Recommendations :

- Multiple orphaned resources exist and require to be cleaned-up.
- Azure reservations are not used for persistent workload.
- Multiple VMs can be scaled down without affecting the performance.
- Multiple unutilized Azure SQL Databases with high SKU exist.

Governance Findings :

- Most of the resources are not tagged.
- Azure Policies are not implemented.
- RBAC needs to be reviewed and PIM/PAM to be configured.
- Resource Locks are not implemented.
- Consistent Naming Convention are not followed.

Management Findings :

- Subscription Budget & Cost alerts are not configured.
- Management Groups are not configured.
- Automation accounts are not configured.
- Azure Blueprints are not configured.

Networking Findings :

- Hub-Spoke Topology are not implemented.
- Traffic Analysis and network watcher are not configured.
- NSG Flow logs are not configured.
- VNET Diagnostic settings are not configured.
- VPNGW basic tier are implemented (Not recommended)
- VPN Diagnostics is not configured.

Security Findings :

- Defender For Cloud Plans are not enabled.
- Defender Recommendations are not implemented.
- Azure Disk Encryption is not configured.
- Secrets management (Key Vault) is not implemented.
- Firewall (Azure or 3rd party) are not implemented.
- NSG rules aren't properly configured.
- Private Endpoints for private workloads are not configured.

Monitoring Findings

- Diagnostic Settings for most of the services are not configured.
- No Centralized Log Analytics Workspace.

Thank You

FOR YOUR TIME

