

Azure Environment Health Checklist



Azure Environment Health Assessment Checklist

A well-maintained Microsoft Azure environment is the backbone of your organization's secure, cost-effective, and high-performing cloud infrastructure. Regularly assessing its health ensures that your resources are optimized, risks are mitigated, and compliance requirements are met. Use this comprehensive checklist to evaluate key areas of your Microsoft Azure deployment, identify gaps, and prioritize improvements.

- ☒  **Identity and Access Management**
- ☒  **Resource Organization**
- ☒  **Network Topology and Connectivity**
- ☒  **Governance**
- ☒  **Cost Management**
- ☒  **Security**
- ☒  **Backups**
- ☒  **Performance Considerations**



Identity and Access Management

Proper identity and access management (IAM) is fundamental to cloud security.

- ☐ Have you enforced **Multi-Factor Authentication (MFA)** for all users?
- ☐ Are necessary **Conditional Access Policies** in place?
- ☐ Are your organization's broader Identity and Access protocols **correctly configured**?



Resource Organization

A clear structure for organizing resources simplifies management and reduces errors.

- ☐ Do you leverage **Resources Groups** to logically organize resources by workload, environment, or department?
- ☐ Are you enforcing a clear **Naming and Tagging strategy** for consistent tracking, compliance, and automation?
- ☐ Have you considered how **subscriptions** can be optimized for better resource management?



Network Topology and Connectivity

Your network design directly impacts performance, security, and manageability.

- ☐ Have you explored if **ExpressRoute** can be beneficial for your organization?
- ☐ Are you considering **Azure Firewall** or **Network Security Groups** to manage traffic better?
- ☐ Do you leverage **Azure Network Watcher** to analyze network traffic and troubleshoot issues?



Governance

Strong governance ensures consistent policies and regulatory compliance.

- ☐ Is **Azure Policy** being leveraged to enforce rules and automatically remediate non-compliant resources?
- ☐ Is **Role-Based Access Control (RBAC)** being applied at the correct scope and reviewed regularly?
- ☐ Do you continuously **monitor compliance** against frameworks like NIST CSF, HIPAA, or other benchmarks?



Cost Management

Optimizing cost is key to achieving value without overspending.

- ☐ Do you have **Azure Cost Management** in place to review cost reports?
- ☐ Are the right **budget alerts** and group notifications set up to track charges?
- ☐ Do you have a system to **right-size** resources and reduce wastage?



Security

Security is a top priority and requires multiple layers of defense.

- ☐ Is **Azure Key Vault** being used to store confidential information and credentials?
- ☐ Are you currently carrying out **endpoint protection** for IaaS servers?
- ☐ Is **Azure Defender** correctly enabled and configured?



Backups

Reliable backups protect against data loss and ensure business continuity.

- ☐ Do you have **Azure backups** or third-party backup solutions enabled and configured?
- ☐ Is **Azure Site Recovery** being utilized for disaster recovery scenarios?
- ☐ Are there any **policies** in place to ensure the integrity of backups?



Performance Considerations

Performance optimization is crucial for delivering a seamless user experience.

- ☐ Is **Azure Load Balancer** or **Application Gateway** being used to distribute traffic efficiently?
- ☐ Are **Azure Monitor** and **Log Analytics** set up to track health and performance metrics?
- ☐ Do you use any **automation tools** for deployment and other activities?

Start Assessing Your Azure Environment Today

By addressing each of these areas, you can strengthen security, improve compliance, and optimize performance while keeping costs under control. To begin your journey towards a secure, efficient, and cost-effective Azure strategy, reach out to our experts today for a comprehensive Azure Health Check.

GET STARTED



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