

Microsoft Azure Vulnerability Management

Identify, assess, and manage your business and security risks

Protiviti provides a wide variety of managed vulnerability assessment services to help clients identify, assess, and manage business and security risks.

Value Delivered

Protiviti views a successful vulnerability management program as one that utilizes several different and distinct processes that identify, create and maintain the organization's ability to efficiently and quickly react to newly discovered vulnerabilities within the environment while preserving the organization's ability to accomplish its business goals.



Example: The individual tasked with vulnerability management a large consumer products company left. Protiviti is stepping in to perform all aspects of the vulnerability management program from the periodic vulnerability scanning as well as the processes associated with remediation.

Engagement Options



Targeted Assessments

Periodic targeted vulnerability assessments at parts of an environment (public web applications, network, IoT / industrial control systems)



Regulation-Based Azure Policy Assessments

HIPAA, SOX, PCI-DSS, NIST, FedRAMP, ISO27001, UKNHS built-in automated compliance policies that evaluate and enforce



Configuration and Compliance Evaluations

Leverage Secure / Compliance Scores (Office 365, Azure Security Center, Microsoft Cloud App Security, Microsoft Intune, Microsoft Threat Protection) to drive configuration priorities



Full Outsourcing

Fully outsourced program from scoping to execution to reporting and continuous improvement

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Protiviti considers all platforms when assessing vulnerabilities or misconfigurations in an environment.

IaaS

- Update Management
- Backup & Recovery Services
- CIS / CSC Image Standards

PaaS

- SQL TDE, Active Directory Authentication (MFA), FW
- Microsoft Azure App Service
 - RBAC, Network
- Public Storage Accounts

Containers

- Container Registry Management
- Image Scanning
- CIS Docker Benchmarking (Microsoft Azure Security Center)

Endpoints

- Encryption / Access to Data
- SCCM to Intune Management
- SCEP to Microsoft Defender Advanced Threat Protection
- Asset Inventory



Microsoft Azure Policy can be used to enforce compliance before resources are deployed and affect your compliance rating.

Azure Policy evaluates resources based on regulator-specific standards every 24 hours and provides reports to initiate remediation. Below is a sample of a built-in policy as it maps to HIPAA / HITRUST.

Information Management

- Information Exchange Policies and Procedures
- Information Exchange Related to External Parties
- Input Data Validation

Logging & Audit

- Change Control Procedures
- Audit Logging
- Monitoring System Use
- Segregation of Duties
- Administrator and Operator Logs

Configuration & Resilience

- Inventory of Assets
- Control of Technical Vulnerabilities
- Network Connection Control
- Security of Network Services
- Business Continuity and Risk Assessment

Identity

- User Authentication for External Connections
- User Identification and Authentication
- Password Management
- Privilege Management
- Review of User Access Rights



[Protiviti.com/Microsoft](https://www.protiviti.com/Microsoft)



MicrosoftSolutions@Protiviti.com

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