

Security Assessments

Understand your risk.



Whether helping to establish a baseline with assessments or through advanced initiatives such as user behavior analytics and network deception techniques, the Alchemy **Protect** Practice guides organizations through their security journey.

Alchemy's **Protect** Practice focuses on Workspace Security, Data Protection and Identity Management with an emphases on delivering security solutions that deliver maximum protection and little or no end-user friction.



Let the transformation begin.
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Alchemy Technology Group is an industry leading IT advisory, consulting and reseller firm focused on end user experience, security, cloud and automation.

Assessment Overview

Alchemy's security assessments measure a company's security posture against industry best practices, compliance requirements and industry frameworks. An assessment identifies vulnerabilities and measures the effectiveness of the organization's controls, which can include people, process and technology vulnerabilities and span across the entire business. It will help you determine risk, which is the potential for loss if a vulnerability is exploited. Guidelines and standards for security assessments are published by organizations such as National Institute of Standards & Technology (NIST), SANS Institute and PCI Standards Council.

Types of Assessments

- Vulnerability Assessment** - Identifies weaknesses that can be exploited
- Risk Assessment** - Quantifies risk and potential loss based on asset value
- Compliance Assessment** - Confirms compliance with required standards, such as HIPAA or PCI Penetration
- Testing** - Simulates an internal or external attacker against the company's network

Assessment Benefits

- A security assessment ensures that you are aware of security risks within your environment. You can't fix a problem if you don't know it exists. It will also serve as your initial baseline so you can track positive progress in your security program.
- Assessments can help to document the progress being made to protect the company.
- Due diligence, which is the effort made by a company to avoid harm as determined by a reasonable person. If your company encounters a security breach, your company's legal exposure and financial penalties can be impacted by the due diligence you've shown in defending against threats. A security risk assessment is the first step in showing due diligence. The second step is making an effort to address the vulnerabilities that were found.
- Maintain compliance. Some industries require security assessments as a condition of compliance. The Security Rule of the Health Insurance Portability and Accountability Act (HIPAA) is one example.

Outcome

We will provide a detailed security assessment document complete with a roadmap to improve your security posture.

Security Assessments

Line Card



Alchemy Security Assessment Line Card

Regulatory & Framework

NIST CSF Assessment
HIPAA Assessment
C2M2 Assessment

Cloud and Architecture

AWS Security Assessment
Azure Security Assessment
Security Architecture Assessment

Red Team Services

Network Security

Internal Penetration Test
External Penetration Test
Wireless Penetration Test
Firewall Assessment
Network Architecture Assessment
Host Penetration Assessment
Active Directory Assessment

Application Security

Web Application Penetration Assessment
Web API Penetration Testing
Mobile Application Security Assessment
Thick Application Assessment
Web Services Security Assessment
Enterprise Mobility Mgmt Assessment

Social Engineering

Phishing Assessment
Physical Penetration Testing
Social Engineering (Phone) Assessment
OSINT/Reconnaissance Assessment

Combined

Goal-Oriented Red Team Assessment
Threat Modeling & Architecture Assessment
Security Technology Assessment
IT Security Gap Assessment

Incident Response & Forensics

Compromise Assessment
Malware Assessment
Incident Readiness Assessment
Forensic Capabilities Assessment
Security Tools Assessment

Industrial Control Systems

CS Compromise Assessment
ICS Security Assessment
Building Automation Assessment
ICS Security Technology Assessment

IoT/Embedded Systems

Embedded System Security Assessment
Automotive System Assessment
Medical Device Security Assessment
Clinical Application Assessment
Med Secure Assessment Framework

