What is Network Penetration Testing?

Penetration testing or a pentest is a simulated cyber-attack performed on a computer system, network, or application used to identify potential vulnerabilities and weaknesses in its security. Pentests mimic the actions of a malicious hacker, using the same toolsets and methodologies they use to infiltrate a network. Pentesting allows organizations to proactively address cybersecurity issues before a real attack occurs in a controlled, authorized hacking attempt to find security flaws and improve system defenses. .

As cyberattacks become more prevalent, organizations are compelled to take measures to harden defenses to protect data and network infrastructure. Established government entities such as CISA and major business insurers are strongly encouraging companies to implement strategies that meet enhanced standards for cybersecurity compliance. Triumph Connections helps organizations overcome the challenge of adopting a high quality and effective security strategy that revolves around penetration testing and remediation to minimize risk.

- Flexible pentest scheduling.
- Comprehensive testing that covers every critical security component.
- The platform is constantly updated to reflect the every-changing cybersecurity threat landscape.
- Assessments are backed by an experienced team of OSCP, CISSP, CEH, and OSCE certified consultants.

Routine penetration testing helps organizations adhere to security compliance standards, garnering trust amongst customers and teams who share their sensitive information. Pentests also set the stage for robust cybersecurity best practices.

EXPERT VALIDATION

Our team of cybersecurity experts combine years of experience and reasoning to analyze your pentest results. Remediation is customized to the specific needs of your organization.

REAL-TIME TRACKING & ASSESSMENT

We track and create logs for all activities performed during your pentest. Tracking allows you to correlate suspicious activity and cybersecurity points of interest for further investigation. Understanding your network environment is a critical step towards securing your digital assets against threats.

MEETS COMPLIANCE STANDARDS

Meet stringent compliance standards by performing a penetration test as often as needed for your organization. Our pentest solution is built on an industry specific security framework and backed by certified cybersecurity professionals.

Organizations face several challenges procuring a reputable cybersecurity company with background and expertise to deliver an accurate penetration test. Triumph Connections thoroughly assesses your pentest results and creates actionable remedial steps that target vulnerabilities to reduce risk within your environment.

PENTESTS REDUCE CYBERSECURITY RISK

Regular assessment of your network is essential to gauge your cybersecurity effectiveness. A network penetration test (pentest) is a security test in which experts attempt to hack into your network to identify potential vulnerabilities that malicious actors could exploit.

THE BENEFITS OF PENTESTING

REAL-WORLD SIMULATION
Simulates a cyberattack to assess your security measures.

RISK PRIORITIZATION
Prioritizes vulnerabilities by degree of risk, addressing critical issues first.

VULNERABILITY IDENTIFICATION
Exposes security vulnerabilities to reveal potential entry points.

COMPREHENSIVE SECURITY ASSESSMENT
Evaluate current security controls to ensure systems can withstand cyberthreats.

RISK MITIGATION
Enables effective prioritization and mitigation of potential cyber-risks.

COMPLIANCE WITH REGULATIONS
Maintains compliance to avoid legal and financial consequences.

CUSTOMER DATA PROTECTION
Addresses vulnerabilities that lead to breaches, identity theft or unauthorized access.

PROACTIVE OFFENSE
Proactively reduces attack vectors through regular assessments.

THREAT DEFENSE
Identifies vulnerabilities missed by traditional security measures.

Pentest Best Practices

The cadence of your pentest is based on several factors, including the company size, industry, network infrastructure and the level of security that your organization seeks to achieve. We recommend an annual pentest at minimum, however more frequent pentesting may be required if your business involves finance, banking or healthcare to name a few. We'll help you customize testing to effectively protect and comply.

Identifying the right partner to perform penetration testing is essential. Triumph Connections is a trusted advisor with the experience and expertise to ensure your company successfully navigates cybersecurity compliance challenges. Our team consists of certified professionals who are familiar with evolving security protocols and apply their skill set to deliver better risk outcomes for our clients. Our pentest solution combines smart technology with human logic to deliver a comprehensive analysis to reduce your threat landscape.

Strengthen Your Defenses

Cost-effective and efficient, our advanced network penetration testing mirrors actual cyberattacks to test the effectiveness of your security preparedness.

Get on the offensive and fortify your defenses by finding and fixing weaknesses and vulnerabilities before malicious hackers do.

Going beyond traditional security assessments

Traditional assessments have limitations and can only demonstrate a point-in-time snapshot of your network.

Our service performs regular full-scale network penetration tests to ensure your network stays secure and resistant to cyberattacks.

Why choose our solution?

- **It's more efficient:** Cutting-edge, next-gen technology leads to more efficient pen testing.
- **It's more comprehensive:** Deeper investigation of the network leads to more detailed tests and results.
- **It's proactive:** Stay ahead of evolving threats through regular assessments.

THINK LIKE A HACKER
Understand how an attacker could exploit vulnerabilities to access sensitive data or systems.

PROACTIVE SECURITY
Enhance your defenses by proactively uncovering weaknesses and mitigating risks.

SECURE WITH CONFIDENCE
Ensure the safety of your data and systems by validating the strength of your security measures.

PRIORITIZE CRITICAL WEAKNESSES
Promptly address vital security vulnerabilities and effectively fortify your systems and data.

The Pentest Path To Security

When you schedule a pentest with Triumph Connections, you are investing in the long-term security of your business. Once your test is scheduled, we configure our pentesting platform to scan your internal or external network. We assess the information that we collect and generate a report that summarizes our findings. We'll discuss your remediation plan and assist you in implementation.

Real Security Visibility

Most organizations have no ongoing visibility into IT network health. This presents several issues: access control problems and unpatched systems and unchecked vulnerabilities that can be exploited by internal or external threat actors.

In less than 1 hour, network analysis can deliver a comprehensive health report that assigns a risk score to every aspect of your organization's IT network, SQL Servers, Security, Exchange instances, and Microsoft 365 use.

Inferior Pentests Are Not Acceptable

- ✓ Not comprehensive enough to be effective
- ✓ Internal vulnerability scanning is often excluded
- ✓ Microsoft 365 isn't factored in
- ✓ No holistic network activity and vulnerability

REDUCE YOUR THREAT LANDSCAPE
Pentests provide valuable insight so you can reduce the amount or attack angles to exploit.

SATISFY INSURANCE REQUIREMENTS
Insurance provides may deny claims or refuse coverage to non-compliant businesses.

PRACTICE VIGILANCE
Pentests demonstrate a company's posture towards security and protecting personal information.

Ready To Secure Your Network Environment?

Network security is a simple phone call away. To get started schedule a easy no-obligation appointment to discuss your current cybersecurity strategy and objectives. Triumph Connections will inform you of the latest requirements to meet the compliance standards of established by essential cybersecurity authorities.

Triumph Connections IT Solutions

Triumph Connections helps SMBs overcome technology challenges. Our core business focuses on implementing security first solutions that help our clients better protect their digital assets and sensitive information. We offer a comprehensive suite of IT services that allow organizations to operate securely.

In addition to cybersecurity, Triumph Connections designs and builds secure IT networks for SMBs. We integrate technology from national brands such as Cisco and Meraki, ensuring a first-class infrastructure that meets the highest standards of reliability. We are trusted advisors and support our clients who rely on us to deliver cost-effective solutions that work. Our decades of experience and dedicated team of IT professionals ensures that you can count on us to be your single point of contact for all your IT and cybersecurity needs into the future.

INDUSTRY CONNECTIONS
We are connected with major IT related companies, like Cisco Microsoft, CDW and many more.

IT ACCOUNTABILITY
We stand by our solutions and will work with you to the end to guarantee satisfaction.

As a full service IT firm and Managed Service Provider (MSP), we provide realistic solutions to challenging technology problems everyday. We merge practicality with smart technology tools to create the perfect level of IT support.

NETWORK INSTALLATIONS

Design and build state of the art networks that use AI and smart technology to increase reliability. Every network is designed with security and long-term stability in mind.

MANAGED INFRASTRUCTURE

Triumph Connections manages large CRE/RRE projects that can incorporate a large contingent of human capital. We manage new and existing infrastructure projects to keep developers, system integrators and contractors on target.

ENTERPRISE WIRELESS

Enterprise wireless solutions must be capable of handling high bandwidth demand and security. We are experts in planning and implementing enterprise Wi-Fi solutions for multi-tenant commercial buildings and large spaces.

Triumph Connections is an Illinois based Limited Liability Company that specializes in IT solutions and cybersecurity. To learn more about our services please visit our website at www.triumphconnections.com.

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