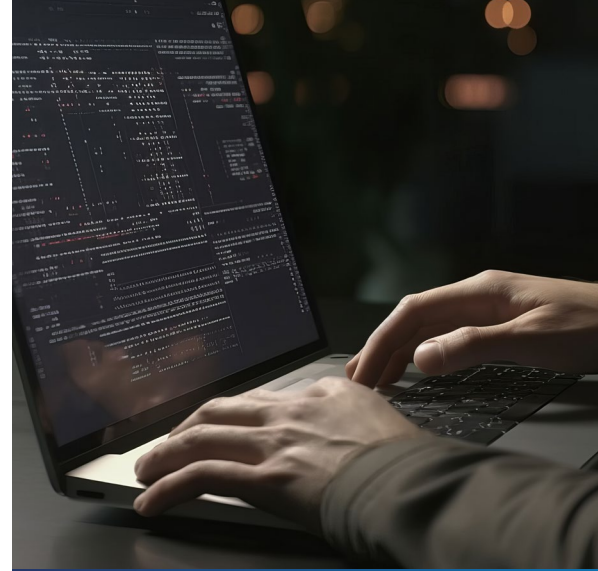


# The Power of Autonomous Penetration Testing

## The 5 Reasons Autonomous Penetration Testing Is Important for Your Business

- 1. Determines Infrastructure Weaknesses Utilizing Robust Security Insights:** Autonomous pen testing utilizes advanced algorithms and AI-driven technologies to scan and analyze an organization's network, applications, and systems. By doing so, it identifies vulnerabilities and weaknesses within your infrastructure. These insights provide detailed information about potential entry points, exploitable security gaps, and actionable insights.
- 2. Increases Overall Security Awareness:** Through reports generated from the pen testing, security teams gain valuable insights into the latest attack vectors and techniques used by cybercriminals. This knowledge can be disseminated organization-wide, enhancing the overall security awareness of your employees. These reports can also be used for training purposes, educating staff about emerging threats, and empowering them to recognize and respond to potential attacks effectively.
- 3. Manages Risk Strategy Effectively:** Pen testing services empower your organization to manage your risk strategy by utilizing the generated reports to mitigate issues. Pen testing reports provide detailed insights into which vulnerabilities are exploitable by real-world attacks, enabling organizations to prioritize the highest impact security flaws promptly. The reports help to effectively eliminate risks and ensure the security of confidential information and the continuity of smooth operations.
- 4. Maintains Customer Trust and Company Reputation:** By investing in pen testing, your organization can demonstrate a proactive commitment to cybersecurity. Regular assessments showcase a dedication to safeguarding client data, enhancing customer trust in your services, and maintaining a steadfast reputation.
- 5. Ensures Reduced Risk of Non-Compliance (e.g., PCI, DSS, HIPAA, GDPR):** By conducting an overhaul assessment of your organization's security controls and ensuring compliance with industry-specific regulations, Pen Testing helps reduce the risk of non-compliance and ensures your organization's security measures are always in line with the necessary standards.



**85% of U.S. and European organizations are raising their penetration testing budgets.**

### What is Penetration Testing?

Autonomous penetration testing (or pen testing) is an advanced cybersecurity technique that mimics an attacker by pivoting through your environment, chaining together techniques and exploits based on what it finds. Unlike traditional penetration testing methods, which are often manual and time-consuming, autonomous penetration testing automates the process, enabling rapid and comprehensive analysis.

## How Does a Pen Test Work?

Pen testing tools work by scanning the target system for weaknesses, analyzing the results of the scan, and then attempting to exploit any vulnerabilities found.

Through a simulated attack process, the tool scans the target system to identify weaknesses and misconfigurations. Through analyzing the results of the scan, a detailed report is produced outlining vulnerabilities and recommended remediation steps.

## What Makes Thrive's Autonomous Penetration Testing Unique?

Thrive provides both a one-time and recurring quarterly [Autonomous Penetration Test](#) to identify areas of risk and provides both a Penetration Test Results report and a Fix Actions report that outlines the steps required to eliminate the risk. A Thrive consultant will review the test outputs with you to provide feedback and strategic recommendations.

## Advantages of Thrive Pen Testing

- **Full-Service Managed Services Provider:** Thrive provides comprehensive IT outsourcing, delivering end-to-end managed services and unmatched expertise to drive a highly secure and successful digital transformation.
- **Leading-Edge Security Solutions:** Thrive's fully-integrated managed cybersecurity solutions provide a proactive and comprehensive approach to security management for identifying and remediating security issues. Thrive's unified cybersecurity platform enables Thrive's 24x7x365 Security Operations Center to automatically address critical security issues without client intervention.
- **Tailored Consulting:** Thrive addresses gaps that may exist in your organization by providing a variety of expert professional and consultative services with an agnostic approach to identifying and prioritizing risk.
- **Deep Expertise:** The Thrive team is composed of technical and industry experts dedicated to ensuring that customers can optimize their business performance through the strategic design and implementation of a NextGen IT environment.

## Take the Next Step

Learn more about how Thrive can help your business succeed securely through our Autonomous Pen Testing service. [Contact an expert today.](#)

## Thrive's Human Approach

At Thrive, we understand that technology alone is insufficient to ensure a secure cyber infrastructure. That's why we go beyond our Autonomous Pen Testing capabilities and personally connect with clients, seamlessly integrating our cutting-edge technology and human expertise into your operations.

First the test, next the generated report, then a Thrive consultant personally reviews the output with you to provide feedback and strategic recommendations. Organizations need more than automated solutions; they require a personalized, human-centered approach to cybersecurity.