



A Leader in Managed IT, Multi-Cloud  
and Cybersecurity Services for the  
Global Financial Services Industry



## AI-Enabled Penetration Testing

AI-Driven, Human Verified.  
Continuous Confidence in Your Security.

POWERED BY  HORIZON3.ai

Abacus Group's cutting-edge **AI-Enabled Penetration Testing**, powered by Horizon3.ai's **NodeZero® Autonomous Security Platform**, is designed as a superior, modern alternative to traditional manual penetration testing, providing constant vigilance and security assurance for highly-regulated firms.

## Benefits

### Verification of Network Security Controls

Conduct ongoing, autonomous security assessments across on-premises, cloud, identity, and data infrastructures, without frequency limitations.

### Immediate Validation of Remediation Activities

Instantly verify the effectiveness of fixes from prior tests, eliminating the wait for the next annual assessment.

### AI-Powered Testing with Human Oversight

Harness the speed and consistency of AI-driven autonomous testing, while Abacus Group's expert Cybersecurity Team performs critical manual reviews to uphold quality and context.

### Supplement with Social Engineering Tests

Address the "human element" of cybersecurity by adding optional Social Engineering assessments to complement AI-enabled penetration testing.

### Cost-Effective & Frequent Deliverables

Receive more frequent and actionable security insights for typically less than traditional manual pentesting not leveraging AI.



## Features

### Autonomous Exploits

**NodeZero®** autonomously discovers and exploits weaknesses in your network just as an attacker would. It moves laterally across your environment by:

- Compromising credentials through attacks
- Mining exposed data
- Bypassing security controls
- Exploiting key vulnerabilities and misconfigurations

### Reveal Critical Impacts

**NodeZero®** orchestrates hundreds of offensive security tools and chains weaknesses together to demonstrate the types of impacts attackers seek:

- Domain compromise
- Business email compromise
- Access to sensitive data exposure
- Ransomware
- Ability to pivot the cloud

## The Abacus Assurance

### Fine-Grained Control and Safety

Our integration includes tailored rule sets within **NodeZero®** to prevent low-quality exploits from causing disruptions.

### Local Execution Only

All AI execution and data processing run locally, either on the client's infrastructure or within secure Abacus environments, ensuring confidentiality.

### Manual Validation of Results

Every flagged vulnerability is reviewed by Abacus' Offensive Cybersecurity Team of senior testers before delivery, preserving nuance, relevance, and clarity.



## Learn More

To learn more about how Abacus Group can fulfill your cybersecurity needs, contact us at [sales@abacusgrouppllc.com](mailto:sales@abacusgrouppllc.com) or reach out to your Abacus Group CXM.

**Contact Us**