# ENDPOINT SECURITY ASSESSMENT

Comprehensive Security Controls Examination

There is no question that end-users have become a prime target for cyber criminals. However, the real tangible target is the end-user's workstation, and organizations would be remiss not to regularly validate the security of their endpoints. In spite of organizations mandating employees to complete security awareness training and spending a significant portion of their security budgets on modern endpoint protection tools, assessing the security strength of their endpoints remains a major gap. In fact, the most common security gap on endpoint was out-of-date or unpatched software, according to 75% of respondents from "The Cost of Insecure Endpoints" report by Ponemon Institute.

To close the gap, Optiv has developed an endpoint assessment methodology that accounts for each step of the attack lifecycle from payload delivery to data exfiltration. This methodology is developed and performed by offensive security experts that specialize in enterprise exploitation. The identification of vulnerabilities and gaps in security controls that may have gone unnoticed will assist you in tuning detection or protective controls to handle user activities. Associated remediation efforts will enhance incident response capabilities and further strengthen your overall security posture.
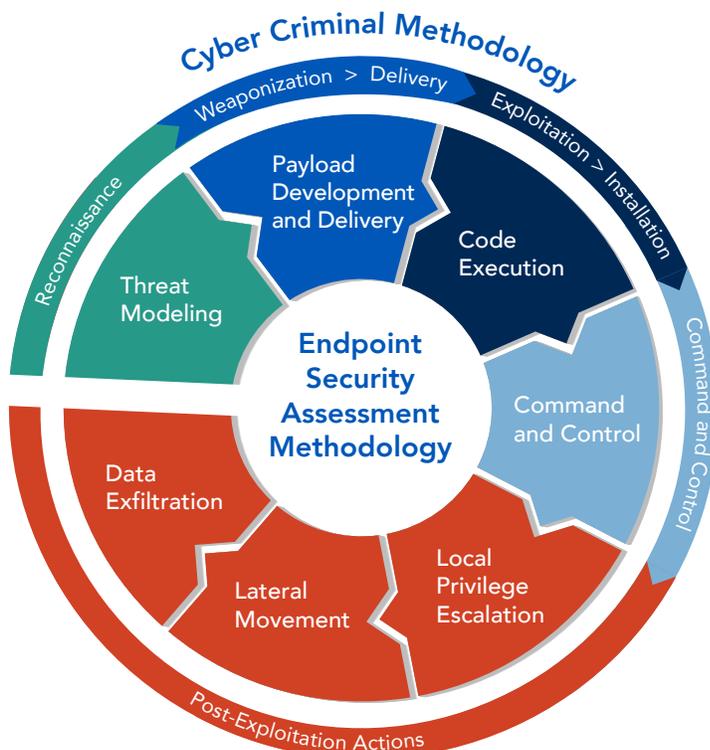
How Do We Do It?

THREAT MODELING:
Footprint the system to identify and prioritize potential attack vectors

PAYLOAD DEVELOPMENT AND DELIVERY:
Tailor a variety of payloads to the system and test every viable delivery method

CODE EXECUTION:
Each payload is tuned and tested against the system to identify exploitation methods to gain the coveted initial foothold

COMMAND AND CONTROL:
Evaluate every method to establish a persistent connection to the system

LOCAL PRIVILEGE ESCALATION:
Assess system for any susceptibility to elevate privileges

LATERAL NETWORK MOVEMENT:
Opportunities to expand beyond the initial foothold may be identified depending on the test environment

DATA EXFILTRATION:
Each file type will be tested over various communication channels in order to determine how data can leave the system

How We Do It Better:

- **Increased Confidence in Security Controls:** Know for a fact which controls are functioning as promised and expected.

- **Prioritized Hardening Strategy:** Not all hardening activities are created equal. Prioritize the ones that matter so your time and resource allocations are optimized.

- **Improved Security from Proactive Planning:** Utilize objective, fact-based reporting to truly understand the "what if" and prepare accordingly.

- **Enhanced Defense Posture:** Your defenses will improve quicker than ever after an attack.

Choose the Right Partner

73,000+
hours of penetration testing from 600+ engagements per year

100,000+
Employees' personally identifiable information (PII) stolen per year

10,000+
Vulnerabilities discovered per year

Largest Commercial Attack and Pen Team in the World

50+
Custom developed, proprietary and open-source tools

50+
dedicated penetration testers

600+
Hours per consultant for training, mentoring and research annually

50,000,000+
Credit cards stolen per year

The Optiv Advantage:

Optiv can help businesses in every industry connect information security policies, procedures and practices with business goals. Our security leadership experts, backed by our team of consultants, can provide the experience you need to take your program to the next level.

Expert Minds

Optiv's security professionals are dedicated to helping you achieve results and realize value. Our team of 1,000+ highly skilled client managers and security practitioners work hard to deliver superior results and cutting-edge research to solve your complex, real-world security problems.

Leading Best Practices

Our knowledge of leading best practices helps Optiv formulate security recommendations tailored to meet your specific business objectives.

Client-First Culture

Optiv's passion for security and our commitment to quality results means we focus on the right solutions to meet your specific needs.

Proven Methodologies

Optiv has developed proven methodologies to help ensure superior outcomes for your projects and programs.