Threat Management: Targeted Network Penetration Test
An adversarial perspective into enterprise network environments

Targeted attacks and advanced threat tactics pose additional risks to enterprise environments that compliance-driven practices may neglect.

Optiv simulates real-world adversarial tactics and techniques, enabling modern organizations to structure their security within their network environment based on real-world breaches of sensitive data. Leveraging a phased targeted approach, your environment’s attack surface is evaluated for attack vectors from a perimeter facing perspective since compromising perimeter assets or end users can open up access to the enterprise environment. Additionally, social engineering techniques such as targeted spearphishing can be added to leverage another dimension to the attack simulation.

Targeting the internal network from an adversarial perspective can result in lateral movement of sensitive data and resources, ultimately identifying gaps in a company’s security strategy.

Industry Challenges:

**Evolving Threat Landscape:**
Corporate environments are continually growing and implementing new technology that expands your attack surface to emerging threats while potentially neglecting assets already at risk.

**Third-Party Components:**
Corporations can become victims of breaches to sensitive data through third-party vendors.

**Production Environment:**
Corporations’ network infrastructure evolves every day, as does the increasingly complex suite of technologies deployed within.

Client Security Challenges:

**Targeting End Users**
Targeting End Users ranks among top attack vectors posing challenges to large corporations.

**Anti-Virus/Endpoint Detection and Response (AV/EDR)**
Anti-Virus/Endpoint Detection and Response (AV/EDR) limitations include the inability to discern legitimate network heuristics and advanced threat tactics.

**Legacy, outdated and unsupported applications**
Legacy, outdated and unsupported applications and operating systems.

**Limited encryption/authentication capabilities in legacy protocols**
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The Optiv Advantage

Partnering with Optiv to conduct targeted assessments will provide you with a layered security strategy tailored to your organization’s unique environment. Utilizing real-world techniques and thinking like an attacker ensures security gaps are identified and appropriate solutions are implemented that may have otherwise been missed through conventional penetration testing and compliance practices.

TARGET IDENTIFICATION
Optiv will conduct a multi-part discovery to identify the available attack surface that will guide subsequent phases of testing.

VULNERABILITY IDENTIFICATION
Optiv will utilize information gained during target identification to leverage vulnerabilities associated with exposed services, vulnerable operating systems and applications, end-users and other various indicators of potential access.

ATTACK CHAIN
Optiv will use an opportunistic approach to exploit hosts, systems and users with the end goal of showing impact tailored to each client’s needs. Initial points of compromise will be detailed in proof of concept demonstrations and the subsequent chained process of targeting client objectives will be thoroughly documented.

Secure your security™

Optiv is a security solutions integrator – a “one-stop” trusted partner with a singular focus on cybersecurity. Our end-to-end cybersecurity capabilities span risk management and transformation, cyber digital transformation, threat management, cyber operations, identity and data management, and integration and innovation, helping organizations realize stronger, simpler and more cost-efficient cybersecurity programs that support business requirements and outcomes. At Optiv, we are leading a completely new approach to cybersecurity that enables clients to innovate their consumption models, integrate infrastructure and technology to maximize value, achieve measurable outcomes, and realize complete solutions and business alignment. For more information about Optiv, please visit us at www.optiv.com.

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