

Penetration Testing



What is a penetration test?

A Kryptos Logic penetration test is a specialized service to identify and exploit vulnerabilities in an organization's network. Unlike competitors, our penetration test is not a generic or one-size-fits-all test, but, rather, a carefully calculated series of advanced attacks. This is a must for any organization's information security or network assurance program. An organization can proactively harden its defenses and mitigate the damage from attacks by identifying and understanding the techniques used by intruders. Our penetration testing supplements incomplete security technologies such as Firewalls, Intrusion Detection and Prevention Systems, Anti-virus, and security gateways, which cannot prevent dedicated hackers from exploiting new or existing security holes.

Well-trained and experienced security specialists are key to a successful penetration test. Kryptos Logic has made significant security contributions with companies and organizations around the globe such as Avaya, AOL, IBM, and Microsoft, among others. Active involvement of its personnel in the security community gives Kryptos Logic a deeper insight into the types of attacks and threats that our clients are likely to face. Kryptos Logic develops a highly focused strategy to address both known and emerging threats relevant to a client's industry and infrastructure. By identifying unforeseen attack vectors, pinpointing vulnerability anomalies, and revealing infrastructure weaknesses, Kryptos provides the most up-to-date and complete security that all companies require in today's modern and insecure world.

Penetration test methodology

The Kryptos Logic methodology is a comprehensive process consisting of multiple phases. It is based on intelligence gathering and an attack framework developed by utilizing a combination of in-house exploits and software, in addition to industry-made best-of-breed tools. As part of our engagement, we check potentially exploitable vectors such as Web Applications, Voice over IP (VoIP) and Unified Communications (UC), Enterprise Resource Planning (ERP), databases, network devices, servers, endpoints, and email systems. To achieve optimal results, systems are tested dynamically with a balanced mix of automated and manual tests.

Penetration testing is essential to any security strategy and can satisfy requirements for PCI, HIPAA, SOX, GLBA, NERC and FISMA

We deliver

An unmatched level of assessment for organizations seeking comprehensive network security going well beyond industry standards and compliance

How we are different

- Credited vulnerability disclosures
- Seasoned security professionals
- Active in industry competitions
- Unique threat intelligence

Results that matter

- Assess and augment security
- Proactively harden defenses
- Mitigate potential threats
- Reduce overall risk exposure

Methodology

Discovery

Non-invasive reconnaissance of the target organization is explored to measure the potential attack surface. Intelligence gathered during this phase will be used for subsequent Threat Modeling and Exploitation phases.

Threat Modeling

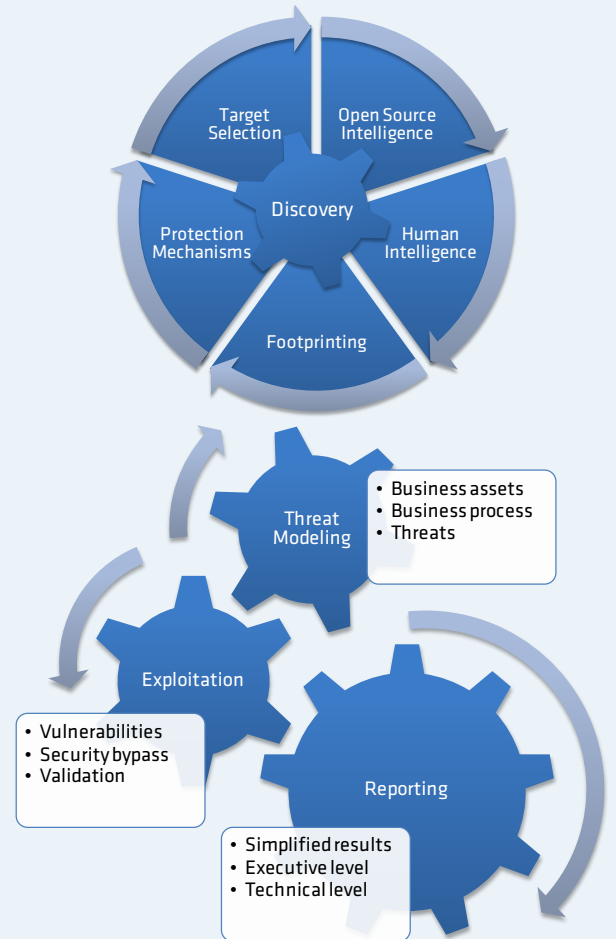
Potential threat agents and business assets are evaluated, assessed and defined based on the client profile. This process combines intelligence gathered during discovery and tests it against applicable vulnerabilities in design infrastructure.

Exploitation

Discovered vulnerabilities are exploited in order to establish access to a system or resource. This process is well planned and precise. The goal is to reveal weak points in the network by bypassing security restrictions and identify whether high value target assets are accessible.

Reporting

Kryptos Logic thoroughly documents meaningful methods, results, and recommendations. It demystifies results in an easy to understand executive summary for management. It also enumerates NIST based scores, technical details, exploitation methods, and suggested response in a technical report for remediation.



Why Kryptos Logic?

Kryptos Logic is a focused, driven group of recognized computer security experts. Our security pedigree is developed from years of reverse engineering and network security experience in numerous industries including academic, government, and commercial. Kryptos Logic has developed widely used security products, publicly disclosed vulnerabilities, and regularly participates in industry sponsored events.

Kryptos Logic develops next-generation security solutions for copy protection, UC deployments, and advanced mitigations. We perform vulnerability, penetration, and risk assessments on systems and applications. Our threat intelligence is developed from our threat monitoring, forensics, and binary analysis services. Customers include major and mid-sized companies in the legal, finance, software security, entertainment and gaming, and hospitality industries.

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