EITS
Enterprise IT Security

Penetration Testing

Put your security to the test before a hacker can

SOLUTION BRIEF

KEY BENEFITS

- Identify Vulnerabilities
- Test Security Controls
- Meet Compliance Requirements
- Improve Incident Response
- Enhance Customer Trust

Process Overview

Intelligence Gathering

The information-gathering phase of our methodology consists of service enumeration, network mapping, banner reconnaissance, and more. The purpose of this step is to collectively map the in-scope environment and prepare for threat identification.

Threat Modeling

With the information collected previously, security testing transitions to identifying vulnerabilities within systems. During the threat-modeling step, assets are identified and organized into threat categories.

Vulnerability Analysis

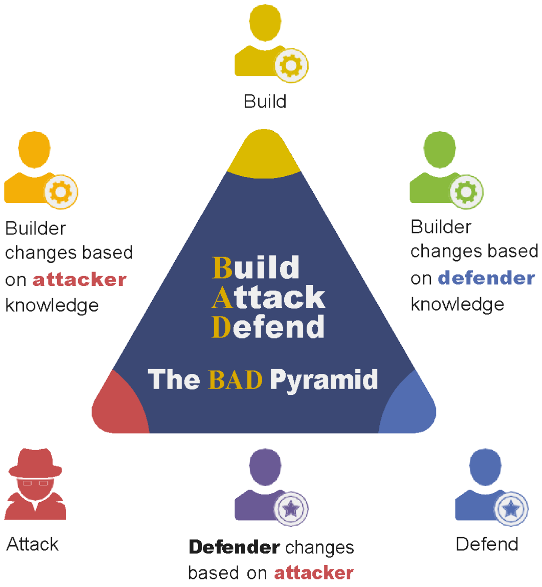
The vulnerability analysis phase involves the documenting and analysis of vulnerabilities discovered. At this point, a list of attractive vulnerabilities, suspicious services, and items worth researching further is created and weighted for further analysis.

Exploitation

Exploitation may include, but is not limited to, buffer overflow, SQL injection, OS commanding, etc.

Reporting

This step is intended to deliver, rank, and prioritize findings as well as generate a clear and actionable report, complete with evidence and remediation guidance, to project stakeholders.


Build
Builder changes based on **attacker** knowledge
Builder changes based on **defender** knowledge
Build
Attack
Defend
The BAD Pyramid
Attack
Defender changes based on **attacker**
Defend

Real World Testing Scenarios to Meet Your Organizations Needs

Detail of Benefits

Identify Vulnerabilities: A pen test can help identify vulnerabilities in an organization's systems, applications, and network infrastructure that could be exploited by attackers. By identifying these vulnerabilities, the organization can take steps to address them and reduce the risk of a security breach.

Test Security Controls: A pen test can help test the effectiveness of an organization's security controls, such as firewalls, intrusion detection systems, and access controls. By testing these controls, the organization can identify any weaknesses or gaps in its security posture and take steps to improve them.

Meet Compliance Requirements: Many regulatory frameworks, such as PCI DSS and HIPAA, require organizations to regularly test and assess their security controls. A pen test can help the organization demonstrate compliance with these regulations and avoid potential fines or penalties.

Improve Incident Response: A pen test can help the organization improve its incident response capabilities by identifying weaknesses in its detection and response processes. By addressing these weaknesses, the organization can improve its ability to detect and respond to security incidents.

Enhance Customer Trust: By conducting regular pen tests, the organization can demonstrate its commitment to security and provide assurance to customers that their data is being protected.

The EITS Difference

Overall, a pen test is a valuable security measure that can help organizations identify and address vulnerabilities, test the effectiveness of their security controls, and improve their overall security posture. We focus on tailor-fitting the test to each customer's unique needs. We customize our offering for purple team, red team, or blue team to ensure successful testing.

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EITS helps businesses, education and government agencies build and manage secure IT environments for a changing world. We secure what matters most: their business, their IT environment, their intellectual property and their reputation. Our holistic approach addresses the Architectural, Operational and Organizational facets of Information Security applying a proven architecture blueprint for scalable, agile, manageable IT environments, hardened to DOD-level security standards. Agencies and businesses who have suffered severe data breaches have tapped EITS to remediate their issues, and to dramatically lower the risk of future events. We are driven by our culture of Excellence and Substance: We Always Make Mission.

VOICE: (704) 900-8042 **EMAIL:** info@eits.com **WEB:** www.eits.com **MAILING ADDRESS:** 525 North Tryon St. Suite 1600, Charlotte, NC 28202