PENETRATION TESTING

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Today's increasingly sophisticated IT security attacks can take many forms and can have serious consequences. Businesses can be robbed of confidential information and intellectual property; military and national security operations can be compromised and the systems that control critical infrastructure such as power grids, water treatment plants and telecommunications networks can be disrupted. Intrusion or penetration tests simulate a real attack against your infrastructure in a controlled environment, allowing our certified consultants to evaluate your system's capacity to prevent such an attack.

HITACHI SYSTEMS SECURITY'S PENETRATION TESTS ARE DESIGNED TO:

- **Mitigate threats and keep you network protected at all times**
- **Manage Vulnerabilities Using Greater Intelligence**
- **Reduce Costs Associated with Network Downtime**
- **Preserve Corporate Image and Customer Loyalty**
- **Comply with Regulations**

WHAT IS A PENETRATION TEST?

Penetration Tests are carried out by employing the same techniques as an attacker located outside your infrastructure and verify if your servers or applications will resist hostile attacks and if the identified vulnerabilities can lead to further intrusion and exploitation. This is performed as a confidential partnership, according to an agreed-upon scope and without revealing any information about your environment.

Penetration Tests are conducted using different testing frameworks: Open Web Application Security Project (OWASP), Penetration Testing Executive Standards (PTES), Open Source Security Testing Methodology (OSSTM), Control frameworks: ISO 27001, Control Objectives for Information and Related Technology (COBIT), Architecture models such as The Open Group Architecture Framework (TOGAF).

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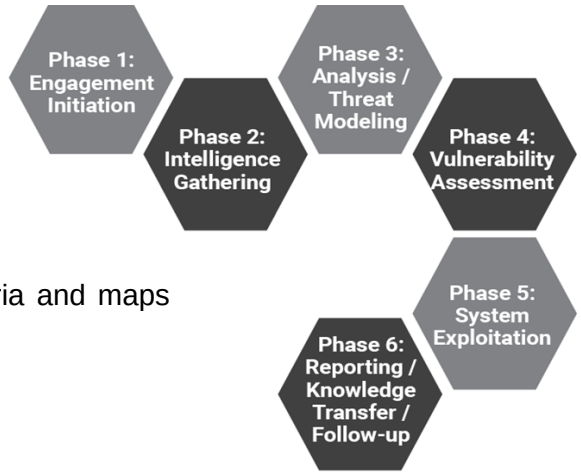
SERVICE ELEMENTS

Our phased approach to Penetration Testing beyond the limitations of automated scanning and instead, Hitachi Systems Security Inc. provides you with an understanding of real-world risks posed to your organization from the perspective of an attacker.
A prioritized risk rating takes multiple business-driven criteria and maps them to your business objectives.



DELIVERABLES

Upon completion of a Penetration Test, you will be provided with a **detailed Penetration Testing Report** that includes all the findings of the test as well as the countermeasures and recommendations to secure your IT infrastructure. The report documents the following elements:

- An executive summary indicating items that require immediate attention
- A technical review describing the activities performed to determine vulnerabilities and the results of the activities conducting in attacking target systems
- A detailed list of vulnerabilities discovered, listed in order of criticality and noting those that were exploited
- Recommendation to optimize protection of the assets identified in the report, with consideration of the resulting cost in capital investment, operation and maintenance, personnel and time
- Evidence of compromised assets, stolen intelligence, sensitive information and/or disrupted services
- A tactical summary outlining possible next steps that may include temporary mitigation of discovered risks and/or longer term remediation solutions to prevent the hostile exploitation of the vulnerabilities identified during the test. If serious vulnerabilities are discovered in the course of this evaluation, our consultants will provide you with an interim report.

OUTCOMES

- ✓ Understand the security posture of your given assets and systems
- ✓ Learn about vulnerabilities that can and/or have been exploited
- ✓ Determine the likelihood of those threats, and the impact of such occurrences
- ✓ Identify the recommended actions that must be undertaken to mitigate, transfer, or altogether avoid the occurrence of said threats

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