

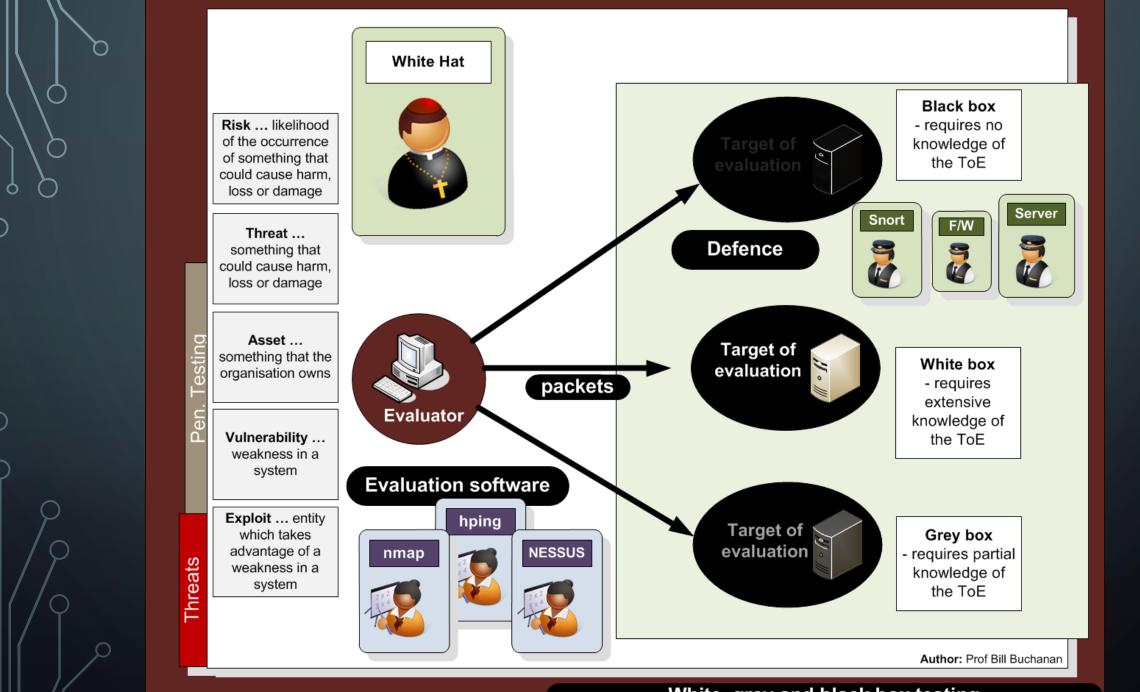


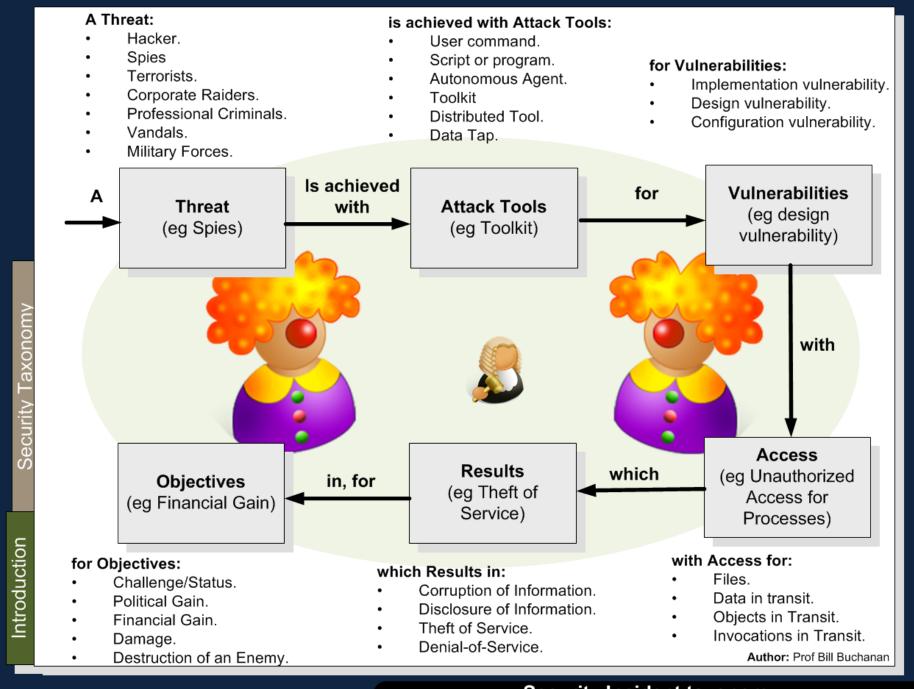
Digital

Investigator

Network Intrusions

Pen Testing: NESSUS





Security Incident taxonomy

Automated Testing

- · Port scanning.
- Malware detection.
- SQL Database Exploits.



White Hat

Technical Scan For Vulnerabilities (eg NESSUS)

Business Scan for

Vulnerabilities

(eg Human)













Actor

Internal **External Trusted Partner**

Adversarial Role

- Social Engineering.
- Password Cracking.
- · Data Theft.

Risks

Adverse Disclosure Service Availability **Business Disruption** Damage to or **Modification to** Assets Fraud/E-Crime Reputational Damage Legal and **Regulatory Censure**

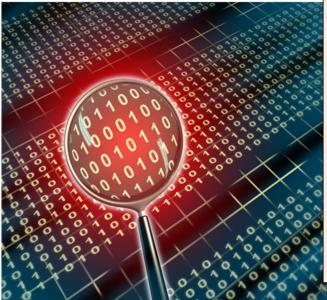
Threats

Malware Hacking Social Misuse **Physical Error Environmental**

Author: Prof Bill Buchanan







VU#120541: SSL and TLS protocols renegotiation vulnerability

Overview

A vulnerability exists in SSL and TLS protocols that may allow attackers to execute an arbitrary HTTP transaction.

I. Description

The Secure Sockets Layer (SSL) and Transport Layer Security (TLS) protocols are commonly used to provide authentication, encryption, integrity, and non-repudiation services to network applications such as HTTP, IMAP, POP3, LDAP. A vulnerability in the way SSL and TLS protocols allow renegotiation requests may allow an attacker to inject plaintext into an application protocol stream. This could result in a situation where the attacker may be able to issue commands to the server that appear to be coming from a legitimate source. According to the Network Working Group:

The server treats the client's initial TLS handshake as a renegotiation and thus believes that the initial data transmitted by the attacker is from the same entity as the subsequent client data.

This issue affects SSL version 3.0 and newer and TLS version 1.0 and newer.

II. Impact

A remote, unauthenticated attacker may be able to inject an arbitrary amount of chosen plaintext into the beginning of the application protocol stream. This could allow and attacker to issue HTTP requests, or take action impersonating the user, among other consequences.

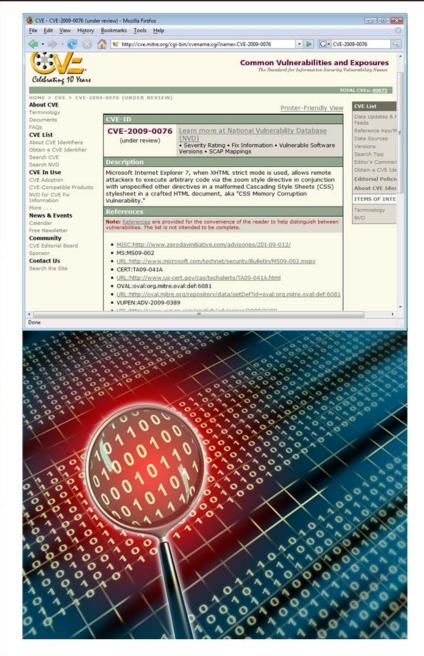
III. Solution

Users should contact vendors for specific patch information.

Systems Affected

Vendor Status Date Notified Date Updated
3com IncUnknown 2009-11-05 2009-11-05
ACCESS Unknown 2009-11-05 2009-11-05

Author: Prof Bill Buchanan



CVE-2009-0076

Summary: Microsoft Internet Explorer 7, when XHTML strict mode is used, allows remote attackers to execute arbitrary code via the zoom style directive in conjunction with unspecified other directives in a malformed Cascading Style Sheets (CSS) stylesheet in a crafted HTML document, aka "CSS Memory Corruption Vulnerability."

Published: 02/10/2009

CVSS Severity: 9.3 (HIGH)

Author: Prof Bill Buchanan

