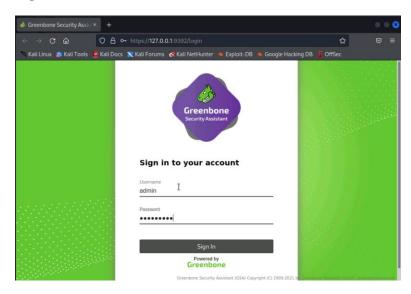
Vulnerability scanning using Greenbone Security Assistant (GSA)

Initiate using gvm-start

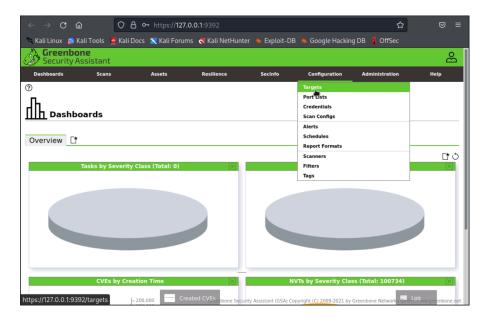
```
File Actions Edit View Help

[sunstant PTAD-|--|
generater |
gener
```

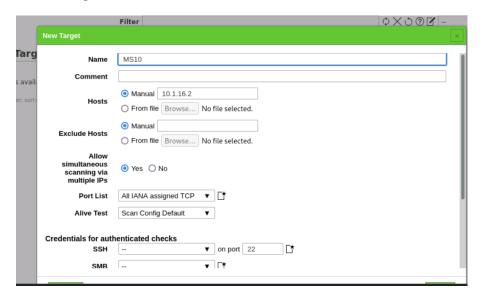
Sign into GSM



Config > targets



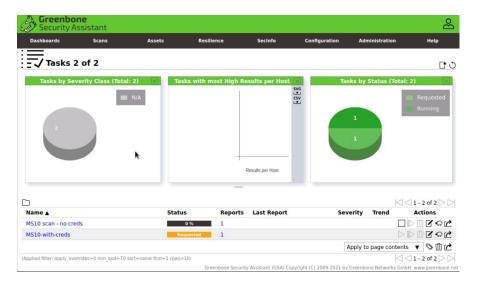
Select target



Create credentialed and non-credentialed scan



Initiate scans



Initiate nmap scan against target system.

--script=vuln: Runs vulnerability detection scripts, -vv: Increases verbosity level, -sC: Uses default scripts, -sV: Enables service version detection, -O: Enables OS detection, -oN ms10-vuln-scan.txt: Saves output to ms10-vuln-scan.txt.

Run Nikto scan

```
root@PT10: /home/kali
File Actions Edit View Help
+ Target IP:
                                      172.16.0.201
+ Target Hostname:
+ Target Port:
+ Start Time:
                                      dvwa.structureality.com
                                      2024-05-27 16:48:04 (GMT-7)
   Server: Apache/2.4.41 (Ubuntu)
   The anti-clickjacking X-Frame-Options header is not present.
The X-XSS-Protection header is not defined. This header can hint to the use
   agent to protect against some forms of XSS
 The X-Content-Type-Options header is not set. This could allow the user age
at to render the content of the site in a different fashion to the MIME type
  Cookie PHPSESSID created without the httponly flag
Cookie security created without the httponly flag
   Root page / redirects to: login.php
No CGI Directories found (use '-C all' to force check all possible dirs)
OSVDB-3268: /config/: Directory indexing found.
  /config/: Configuration information may be available remotely.
OSVDB-3268: /tests/: Directory indexing found.
OSVDB-3092: /tests/: This might be interesting...
OSVDB-3268: /docs/: Directory indexing found.
   /login.php: Admin login page/section found.
/.gitignore: .gitignore file found. It is possible to grasp the directory s
   7863 requests: 0 error(s) and 12 item(s) reported on remote host
End Time: 2024-05-27 16:48:57 (GMT-7) (53 seconds)
+ 1 host(s) tested
```

Launch wapiti

```
)-[/home/kali]
wapiti -u http://dvwa.structureality.com
Wapiti-3.0.4 (wapiti.sourceforge.io)
[*] Saving scan state, please wait...
Note
This scan has been saved in the file /root/.wapiti/scans/dvw
com_folder_373266a0.db
[*] Wapiti found 3 URLs and forms during the scan
[*] Loading modules:
backup, blindsql, brute_login_form, buster, cookief
csrf, exec, file, htaccess, http_headers, methods, nikto, pe
ect, shellshock, sql, ssrf, wapp, xss, xxe
Problem with local wapp database.
Downloading from the web...
Error downloading wapp database.
[*] Launching module csp
CSP is not set
[*] Launching module http_headers
Checking X-Frame-Options:
X-Frame-Options is not set
Checking X-XSS-Protection:
X-XSS-Protection is not set
```

Review Wapiti output file using generated string in output Review NMAP output file using cat ms10-vuln-scan.txt

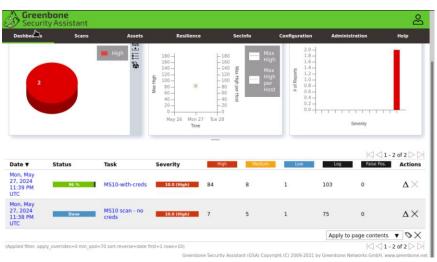
```
File Actions Edit View Help

2 Nmap 7.92 scan initiated Mon May 27 16:41:05 2024 as: nmap —script=vuln -vv -sC -sV -0 -oN ms10-vuln-scan.txt 10.1.16.2 Nmap scan report for MSI0-ad.structureality.com (10.1.16.2)
Host is up, received arp-response (0.00008s latency).
Scanned at 2024-05-27 16:41:22 PDT for 255s
Not shown: 988 filtered tcp ports (no-response)
PORT STATE SERVICE REASON VERSION
25/tcp open smtp syn-ack ttl 128 MmailServer smtpd
smtp-vuln-vev2010-4344:

The SMTP server is not Exim: NOT VULNERABLE
B0/tcp open http syn-ack ttl 128 Nicrosoft HTTPAPI httpd 2.0 (SSDP/UPnP)
Linttp-stored-xss: Couldn't find any stored XSS vulnerabilities.
Linttp-stored-xss: Couldn't find any stored XSS vulnerabilities.
Linttp-dombased-xss: Couldn't find any bord xSS vulnerabilities.
Linttp-dombased-xss: Couldn't find any 500M based XSS.
Linttp-ison-detection: Couldn't find any SODM endpoints.
Linttp-csrf: Couldn't find any CSRF vulnerabilities.
Lilt-csrf: Couldn't find any CSRF vulnerabilities.
Lilt-csrf: Couldn't find any CSRF vulnerabilities.
Lilt-csrf: Couldn't find any SOMP endpoints.
Lilt-csrf: Couldn't find endpoints.
Lilt-csrf: Couldn't find endpoints.
Lilt-csrf: Couldn't find endpoints.
Lilt-csrf: Couldn't find endpoints.
L
```

Review GSA Scan, reports, and hosts





▶				Host		1717	1 - 10 of 284 🔀	
Vulnerability	*	Severity ▼	QoD	IP	Name	Location	Created	
Microsoft Windows Multiple Vulnerabilities (KB4565511)	•	10.0 (High)	80 %	10.1.16.2	tickets.structureality.com	general/tcp	Tue, May 28, 2024 12:08 AM UTC	
Microsoft Windows Multiple Vulnerabilities (KB4565511)	₽	10.0 (High)	80 %	10.1.16.2	ms10.ad.structureality.com	general/tcp	Tue, May 28, 2024 12:07 AM UTC	
PHP End Of Life Detection (Windows)	•	10.0 (High)	80 %	10.1.16.2	ms10.ad.structureality.com	443/tcp	Tue, May 28, 2024 12:03 AN UTC	
Mozilla Firefox Security Updates(mfsa2022-24) Windows	•	10.0 (High)	97 %	10.1.16.2	ms10.ad.structureality.com	general/tcp	Mon, May 27, 2024 11:54 PM UTC	
Mozilla Thunderbird Security Updates(mfsa2022-26) - Windows		10.0 (High)	97 %	10.1.16.2	ms10.ad.structureality.com	general/tcp	Mon, May 27, 2024 11:54 PM UTC	
PHP End Of Life Detection (Windows)	.₽.	10.0 (High)	80 %	10.1.16.2	ms10.ad.structureality.com	443/tcp	Mon, May 27, 2024 11:59 PM UTC	
Microsoft Windows Multiple Vulnerabilities KB4534271)	•	9.8 (High)	80 %	10.1.16.2	ms10.ad.structureality.com	general/tcp	Tue, May 28, 2024 12:07 AN UTC	

Oldest Result	Newest Result	Severity V	1 4	4	Host
Mon, May 27, 2024 11:54 PM UTC	Mon, May 27, 2024 11:54 PM UTC	10.0 (High)	-		1
Mon, May 27, 2024 11:54 PM UTC	Mon, May 27, 2024 11:54 PM UTC	10.0 (High)	97 %	1	1
Tue, May 28, 2024 12:07 AM UTC	Tue, May 28, 2024 12:08 AM UTC	10.0 (High)	80 %	2	1
Mon, May 27, 2024 11:59 PM UTC	Tue, May 28, 2024 12:03 AM UTC	10.0 (High)	80 %	2	1
Tue, May 28, 2024 12:08 AM UTC	Tue, May 28, 2024 12:08 AM UTC	9.8 (High)	80 %	1	1
Tue, May 28, 2024 12:07 AM UTC	Tue, May 28, 2024 12:07 AM UTC	9.8 (High)	80 %	1	1
Tue, May 28, 2024 12:07 AM UTC	Tue, May 28, 2024 12:07 AM UTC	9.8 (High)	80 %	1	1
Tue, May 28, 2024 12:07 AM UTC	Tue, May 28, 2024 12:07 AM UTC	9.8 (High)	80 %	2	1
Tue, May 28, 2024 12:08 AM UTC	Tue, May 28, 2024 12:08 AM UTC	9.8 (High)	80 %	1	1
Tue, May 28, 2024 12:08 AM UTC	Tue, May 28, 2024 12:08 AM UTC	9.8 (High)	80 %	1	1
		1	Apply to page contents		v [
	11:54 PM UTC Mon. May 27, 2024 11:54 PM UTC Tue. May 28, 2024 12:07 AM UTC Mon. May 27, 2024 11:59 PM UTC Tue. May 28, 2024 12:08 AM UTC Tue. May 28, 2024 12:07 AM UTC Tue. May 28, 2024 Tue. May 28, 2024 Tue. May 28, 2024	Mon, May 27, 2024 11:54 PM UTC 11:56 PM UTC 11:59 RM UTC 11:09 RM UTC	Mon. May 27, 2024 11:54 PM UTC 11:59 RM UTC 11:59 PM UTC 11:59 RM UTC 11:50 RM UTC 11:54 PM UTC 11:55 RM UTC	Mon. May 27, 2024 11:54 PM UTC 11:54 PM UTC Mon. May 27, 2024 11:55 PM UTC Tue, May 28, 2024 12:08 AM UTC Tue, May 28, 2024 12:08 AM UTC Tue, May 28, 2024 12:08 AM UTC Tue, May 28, 2024 12:07 AM UTC Tue, May 28, 2024 12:08 AM UTC Tue, May 28, 2024 12:07 AM UTC Tue, May 28, 2024 12:08 AM UTC Tue, May 28, 2024 T	Mon. May 27, 2024 11:54 PM UTC 11:55 PM UTC

Summary

This host is missing a critical security update according to Microsoft KB4565511

Detection Result

Vulnerable range: 10.0.14393.0 - 10.0.14393.3807 File checked: C:\Windows\system32\Gdiplus.dll File version: 10.0.14393.1715

Insight

Multiple flaws exist due to:

- Windows Domain Name System servers fail to properly handle requests (SIGRed, CVE-2020-1350).

- Windows System Events Broker fails to properly handle file operations.

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