

# Nessus

Answer the questions below

What is the name of the **button** which is used to launch a scan?

New Scan



What side menu option allows us to create **custom templates**?

Policies

Policies

Policies allow you to create custom templates defining what actions are performed during a scan. Once created, they can be selected from the list of [scan templates](#). From this page you can view, create, import, download, edit, and delete policies.

What menu allows us to change **plugin** properties such as hiding them or changing their severity?

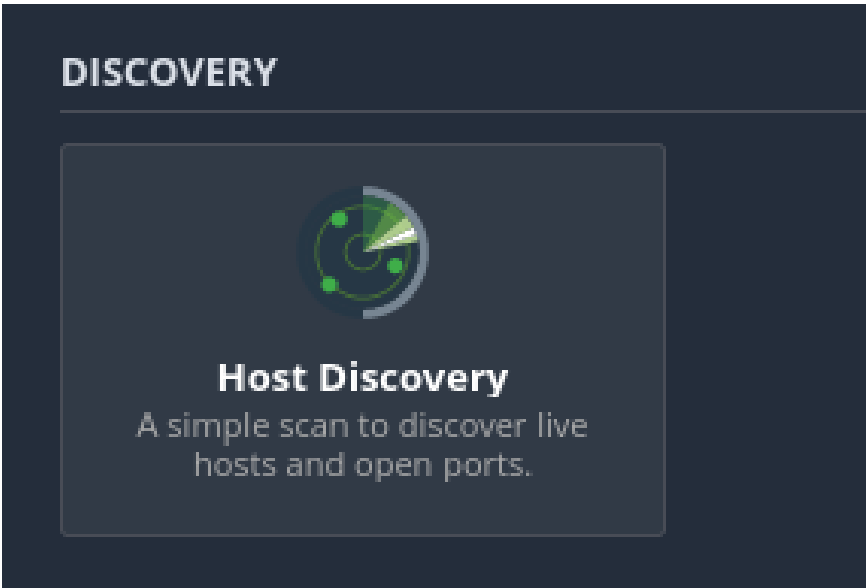
Plugin Rules

Plugin Rules

Plugin rules allow you to hide or change the severity of any given plugin. In addition, rules can be limited to a specific host or specific time frame. From this page you can view, create, edit, and delete your rules.

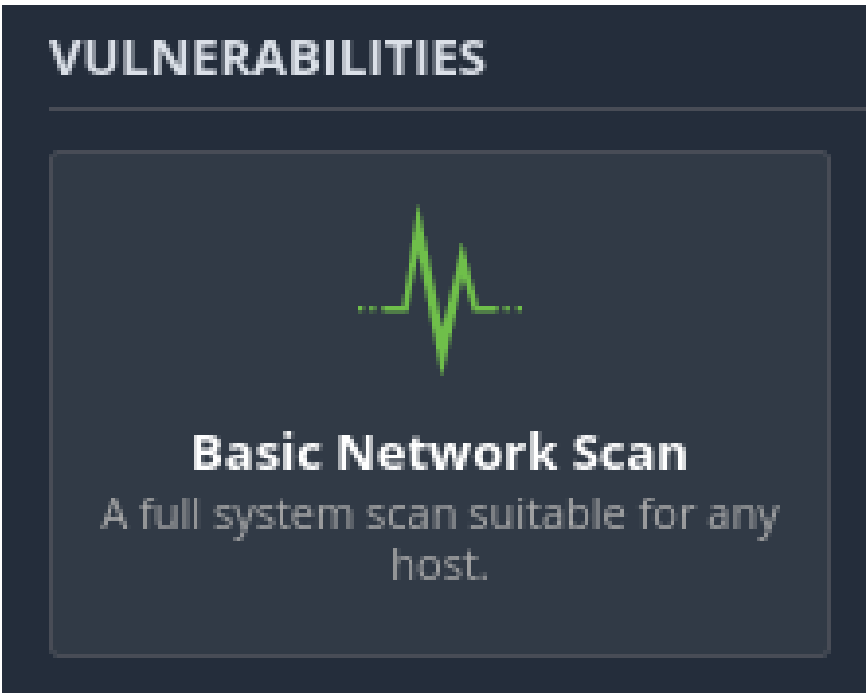
In the '**Scan Templates**' section after clicking on '**New Scan**', what scan allows us to see simply what hosts are alive?

Host Discovery




One of the most useful scan types, which is considered to be '**suitable for any host**'?

Basic Network Scan



What scan allows you to '**Authenticate to hosts and enumerate missing updates**'?


Credentialed Patch Audit



**Credentialed Patch Audit**  
Authenticate to hosts and enumerate missing updates.

What scan is specifically used for scanning **Web Applications**?

Web Application Tests



**Web Application Tests**  
Scan for published and unknown web vulnerabilities using Nessus Scanner.

Create a new '**Basic Network Scan**' targeting the deployed VM. What option can we set under '**BASIC**' (on the left) to set a time for this scan to run? This can be very useful when network congestion is an issue.

Schedule

✓ Correct Answer

**BASIC**

General

**Schedule**

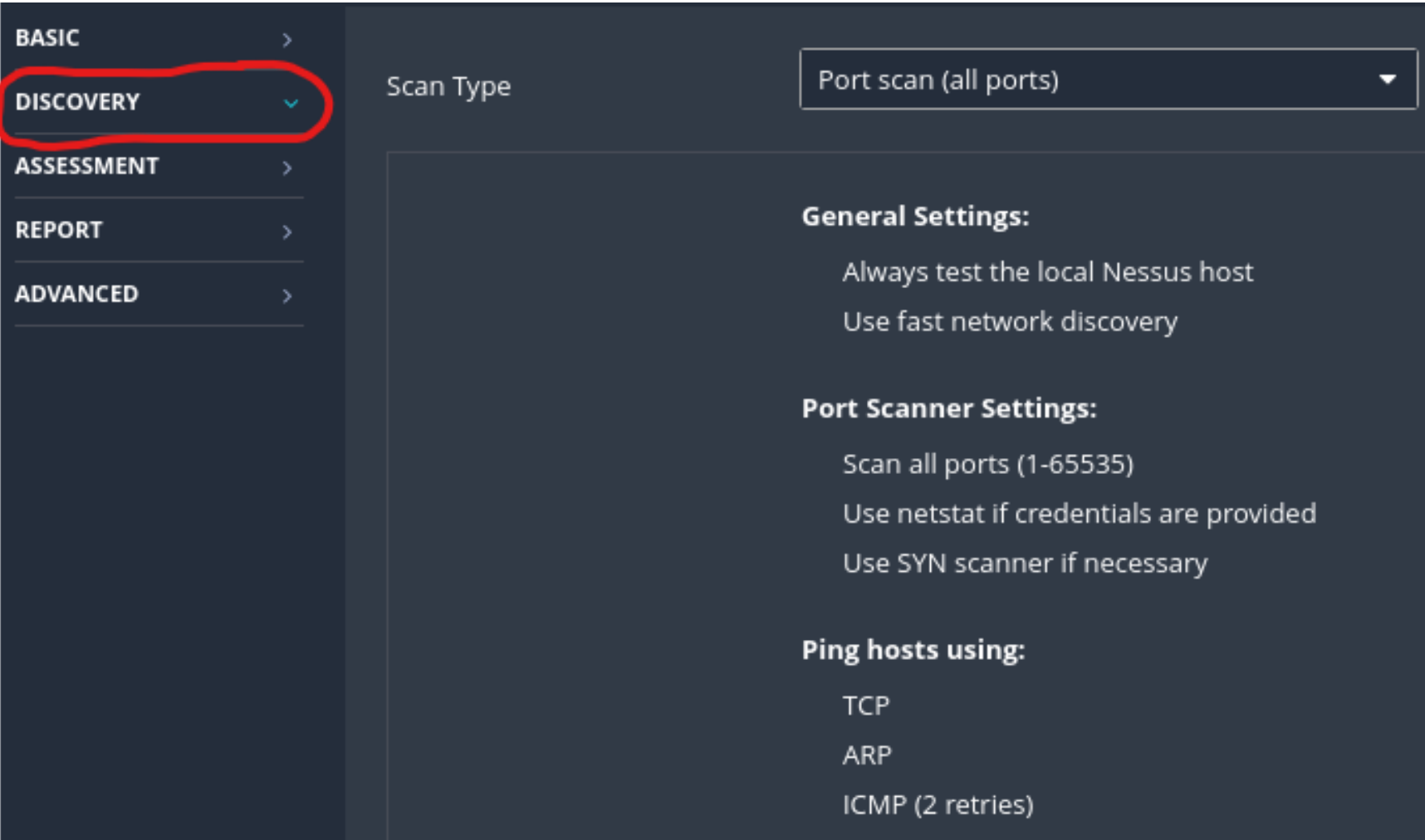
Notifications

Enabled

☒ OFF

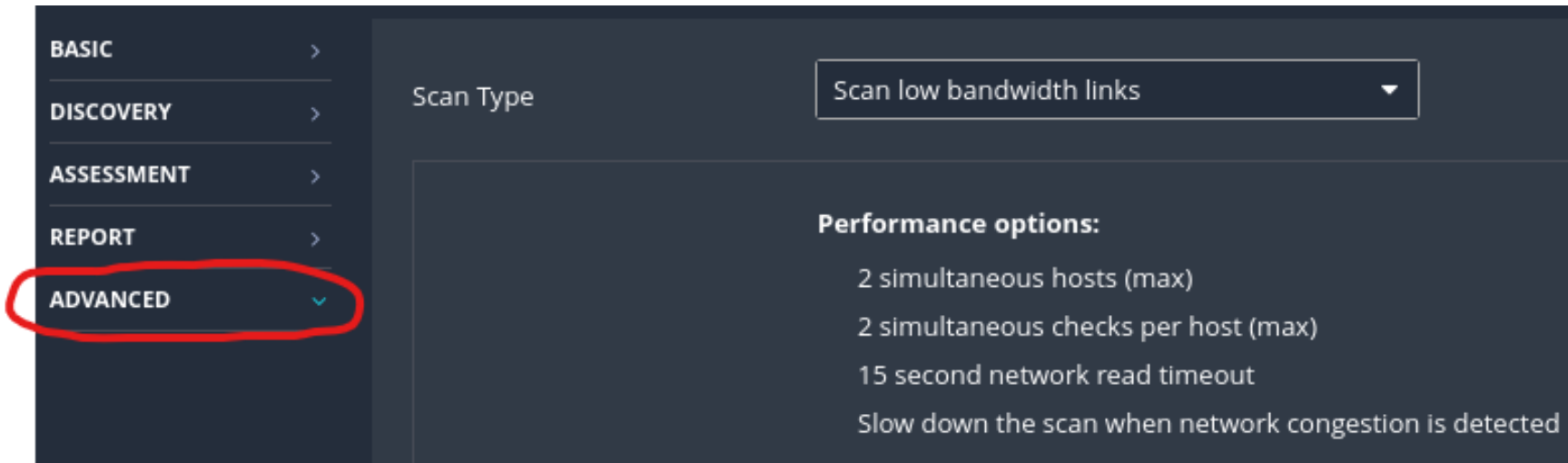
Under '**DISCOVERY**' (on the left) set the '**Scan Type**' to cover ports 1-65535. What is this type called?

Port scan (all ports)



What '**Scan Type**' can we change to under '**ADVANCED**' for lower bandwidth connection?

Scan low bandwidth links



After the scan completes, which '**Vulnerability**' in the '**Port scanners**' family can we view the details of to see the open ports on this host?

Nessus SYN scanner



THM Scan / Plugin #11219

[◀ Back to Vulnerabilities](#)

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History2

INFO

Nessus SYN scanner

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Output

Port 80/tcp was found to be open

To see debug logs, please visit individual host

Port ▲	Hosts
80 / tcp / www	10.10.15.193

What **Apache HTTP Server Version** is reported by Nessus?

2.4.99

☐

INFO

Apache HTTP Server Version

THM Scan / Plugin #48204

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History2

INFO

Apache HTTP Server Version

Description

The remote host is running the Apache HTTP Server, an open source web server. It was possible to read the version number from the banner.

See Also

<https://httpd.apache.org/>

Output

URL : http://10.10.15.193/  
Version : 2.4.99  
Source : Server: Apache/2.4.25 (Debian)  
backported : 1  
os : ConvertedDebian

To see debug logs, please visit individual host

Port ▲	Hosts
80 / tcp / www	10.10.15.193

What is the plugin id of the plugin that determines the HTTP server type and version?

10107

☐ INFO ... HTTP (Multiple Issues) Web Servers

☐ INFO HTTP Server Type and Version

THM Scan (Web) / Plugin #10107

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History1

INFO

HTTP Server Type and Version

Description

This plugin attempts to determine the type and the version of the remote web server.

Output

The remote web server type is :  
Apache/2.4.25 (Debian)

To see debug logs, please visit individual host

Port ▲	Hosts
80 / tcp / www	10.10.15.193

What authentication page is discovered by the scanner that transmits credentials in cleartext?

login.php

☐ MEDIUM 4.3 \* Web Application Potentially Vulnerable to Clickjacking

MEDIUM

Web Application Potentially Vulnerable to Clickjacking

Description

The remote web server does not set an X-Frame-Options response header or a Content-Security-Policy 'frame-ancestors' response header in all content responses. This could potentially expose the site to a clickjacking or UI redress attack, in which an attacker can trick a user into clicking an area of the vulnerable page that is different than what the user perceives the page to be. This can result in a user performing fraudulent or malicious transactions.

X-Frame-Options has been proposed by Microsoft as a way to mitigate clickjacking attacks and is currently supported by all major browser vendors.

Content-Security-Policy (CSP) has been proposed by the W3C Web Application Security Working Group, with increasing support among all major browser vendors, as a way to mitigate clickjacking and other attacks. The 'frame-ancestors' policy directive restricts which sources can embed the protected resource.

Note that while the X-Frame-Options and Content-Security-Policy response headers are not the only mitigations for clickjacking, they are currently the most reliable methods that can be detected through automation. Therefore, this plugin may produce false positives if other mitigation strategies (e.g., frame-busting JavaScript) are deployed or if the page does not perform any security-sensitive transactions.

Solution

Return the X-Frame-Options or Content-Security-Policy (with the 'frame-ancestors' directive) HTTP header with the page's response. This prevents the page's content from being rendered by another site when using the frame or iframe HTML tags.

See Also

- <http://www.nessus.org/u?399b1f56>
- [https://www.owasp.org/index.php/Clickjacking\\_Defense\\_Cheat\\_Sheet](https://www.owasp.org/index.php/Clickjacking_Defense_Cheat_Sheet)
- <https://en.wikipedia.org/wiki/Clickjacking>

Output

```
The following pages do not use a clickjacking mitigation response header and contain a clickable event :  
  
- http://nessus.thm/login.php
```

To see debug logs, please visit individual host

Port ▲	Hosts
80 / tcp / www	10.10.15.193

What is the file extension of the config backup?

.bak

☐

MEDIUM

5.0 \*

Backup Files Disclosure

THM Scan (Web) / Plugin #11411

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Hosts1

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History1

MEDIUM

Backup Files Disclosure

Description

By appending various suffixes (ie: .old, .bak, ~, etc...) to the names of various files on the remote host, it seems possible to retrieve their contents, which may result in disclosure of sensitive information.

Solution

Ensure the files do not contain any sensitive information, such as credentials to connect to a database, and delete or protect those files that should not be accessible.

See Also

<http://www.nessus.org/u?8f3302c6>

Output

It is possible to read the following backup file :

- File : /config/config.inc.php.bak

URL : http://nessus.thm/config/config.inc.php.bak

To see debug logs, please visit individual host

Port ▲	Hosts
80 / tcp / www	10.10.15.193

Which directory contains example documents? (This will be in a php directory)

/external/phpids/0.6/docs/examples/

☐

MEDIUM

5.3

Browsable Web Directories



THM Scan (Web) / Plugin #40984

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MEDIUM

Browsable Web Directories

Description

Multiple Nessus plugins identified directories on the web server that are browsable.

Solution

Make sure that browsable directories do not leak confidential information or give access to sensitive resources. Additionally, use access restrictions or disable directory indexing for any that do.

See Also

<http://www.nessus.org/u?0a35179e>

Output

The following directories are browsable :

http://nessus.thm/config/

http://nessus.thm/docs/

http://nessus.thm/dvwa/

http://nessus.thm/dvwa/css/

http://nessus.thm/dvwa/images/

http://nessus.thm/dvwa/includes/

http://nessus.thm/dvwa/includes/DBMS/

http://nessus.thm/dvwa/js/

http://nessus.thm/external/

http://nessus.thm/external/phpids/

http://nessus.thm/external/phpids/0.6/

http://nessus.thm/external/phpids/0.6/docs/

→http://nessus.thm/external/phpids/0.6/docs/examples/←

http://nessus.thm/external/phpids/0.6/lib/

http://nessus.thm/external/phpids/0.6/lib/IDS/

http://nessus.thm/external/phpids/0.6/tests/

http://nessus.thm/external/phpids/0.6/tests/IDS/

http://nessus.thm/external/recaptcha/

less...

To see debug logs, please visit individual host

Port▲

Hosts

80 / tcp / www

10.10.15.193

What vulnerability is this application susceptible to that is associated with X-Frame-Options?

Clickjacking

✓ Correct Answer

🔗 Hint

MEDIUM

4.3 \*

Web Application Potentially Vulnerable to Clickjacking

Nessus

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# THM Scan (Web) / Plugin #85582

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MEDIUM

## Web Application Potentially Vulnerable to Clickjacking

### Description

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### Solution

Return the X-Frame-Options or Content-Security-Policy (with the 'frame-ancestors' directive) HTTP header with the page's response. This prevents the page's content from being rendered by another site when using the frame or iframe HTML tags.

### See Also

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- [https://www.owasp.org/index.php/Clickjacking\\_Defense\\_Cheat\\_Sheet](https://www.owasp.org/index.php/Clickjacking_Defense_Cheat_Sheet)
- <https://en.wikipedia.org/wiki/Clickjacking>

### Output



The following pages do not use a clickjacking mitigation response header and contain a clickable event :

- http://nessus.thm/login.php

To see debug logs, please visit individual host

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what is X-frame options

X |  


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AI Overview


Learn more

X-Frame-Options is an HTTP header that controls whether a page can be placed in an iframe, <embed>, <object>, or <frame>. It's a server-side method that helps protect web applications from clickjacking and other client-side attacks: 


**How it works**

X-Frame-Options prevents other websites from framing your content. This protects against clickjacking, which is when an attacker embeds your content in an invisible frame. 


**Options**

The most secure option is DENY, which prevents any use of the current page in a frame. The more common option is SAMEORIGIN, which allows frames but limits them to the current domain. 

**Browser support**


The added security is only provided if the user is using a browser that supports X-Frame-Options. Browsers only honor one X-Frame-Options header and only one value on that header. 

**Configuring X-Frame-Options**

You can configure IIS to add an X-Frame-Options header to all responses for a given site. 


X-Frame-Options - HTTP - MDN Web Docs

Sep 24, 2024 — The X-Frame-Options HTTP response header can be used to indicate whether a browser should be allowed...

 MDN Web Docs


Clickjacking Defense - OWASP Cheat Sheet Series

Multiple options not supported: There is no way to allow the current site and a third-party site to frame the same response...

 OWASP Cheat Sheet Series

What is Clickjacking | Attack Example | X-Frame-Options Pros & Cons

X-Frame-Options allows content publishers to prevent their own content from being used in an invisible frame by attackers. Th...

 Imperva

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Generative AI is experimental.

