

南投區網資安研習

107.10



南投區域網路中心

Nantou Network Regional Center



Open VAS 安裝流程

大綱

- VirtualBox安裝
- OpenVAS安裝
- OpenVAS設定
- OpenVAS操作

相關軟體

- <https://www.virtualbox.org/>
- <http://www.openvas.org/>

virtualbox安裝

- <https://www.virtualbox.org> 下載ISO檔
- 調整主機BIOS設定及安裝
- 參考連結: <https://www.pcsetting.com/freeware/17>

OpenVAS下載

www.openvas.org



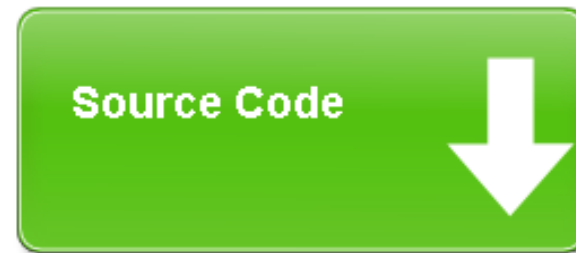
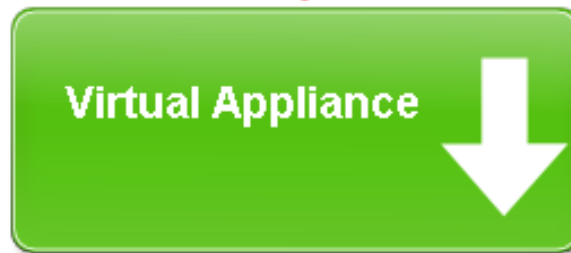
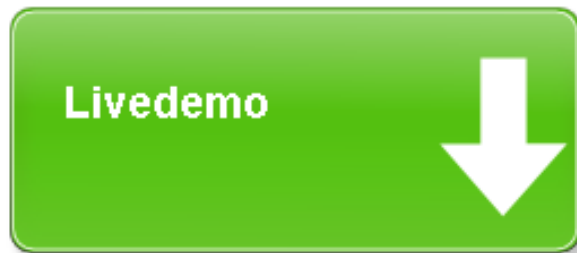
About

Try out
Greenbone/
OpenVAS



配合本課程快速建置，使用ISO檔安裝

Select your preferred way to try out Greenbone/OpenVAS



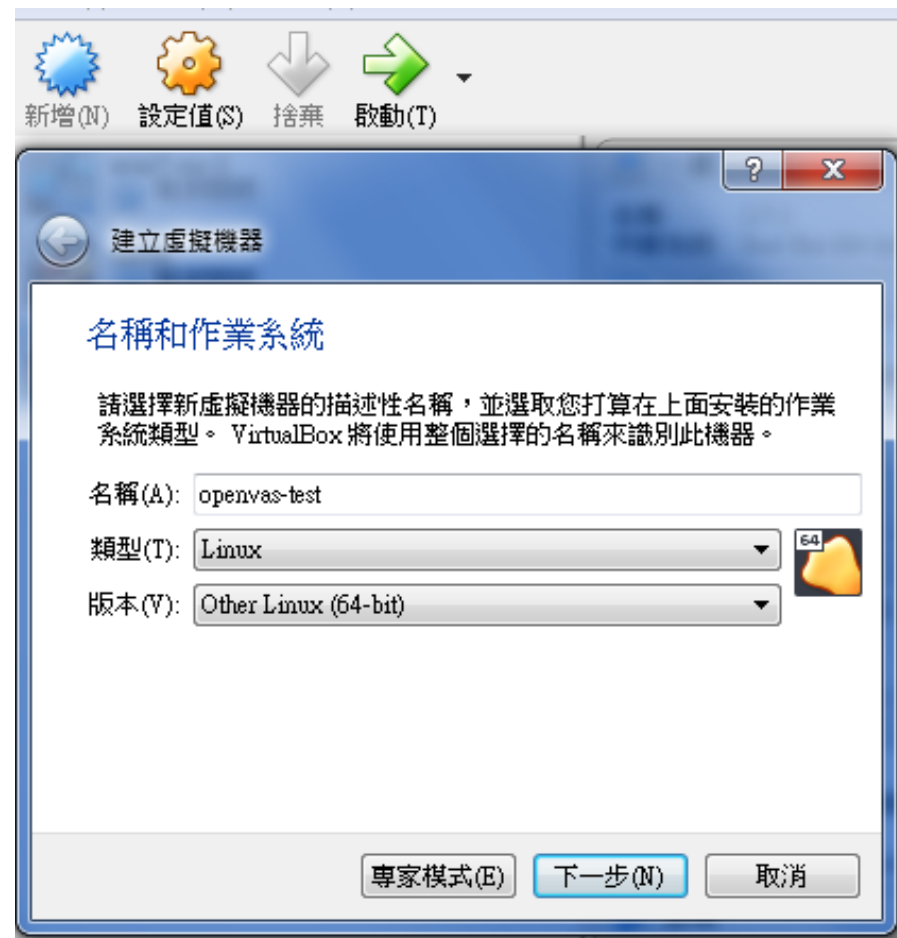
Setup the GCE

Version: 4.2.20

Download: <https://dl.greenbone.net/download/VM/gsm-ce-4.2.20.iso> (350 MByte)

建立建議規格之虛擬主機-1

- VirtualBox by hand via "New":
 - Type: Linux
 - Version: Other Linux (64bit)
 - Memory: 2048M
 - Harddisk: 9G
 - CPUs: 2



建立建議規格之虛擬主機-2

- Create a virtual image:

- Hyper-V by hand via "New - Virtual Computer":

- Generation: Generation 1

- Startup memory: 2048MB

- Use Dynamic Memory: deactivate

- Network: Select a connection that has access to the Internet. To setup. For using the systemsâ€™™ web interface you need to access the Internet.

- Virtual hard disk: create an new, with an minimum of 9GB

建立虛擬機器

記憶體大小

選取配置到虛擬機器的記憶體量 (RAM)，單位 MB。

建議的記憶體大小為 512 MB。

4 MB 2048 MB 8192 MB

檔案位置和大小

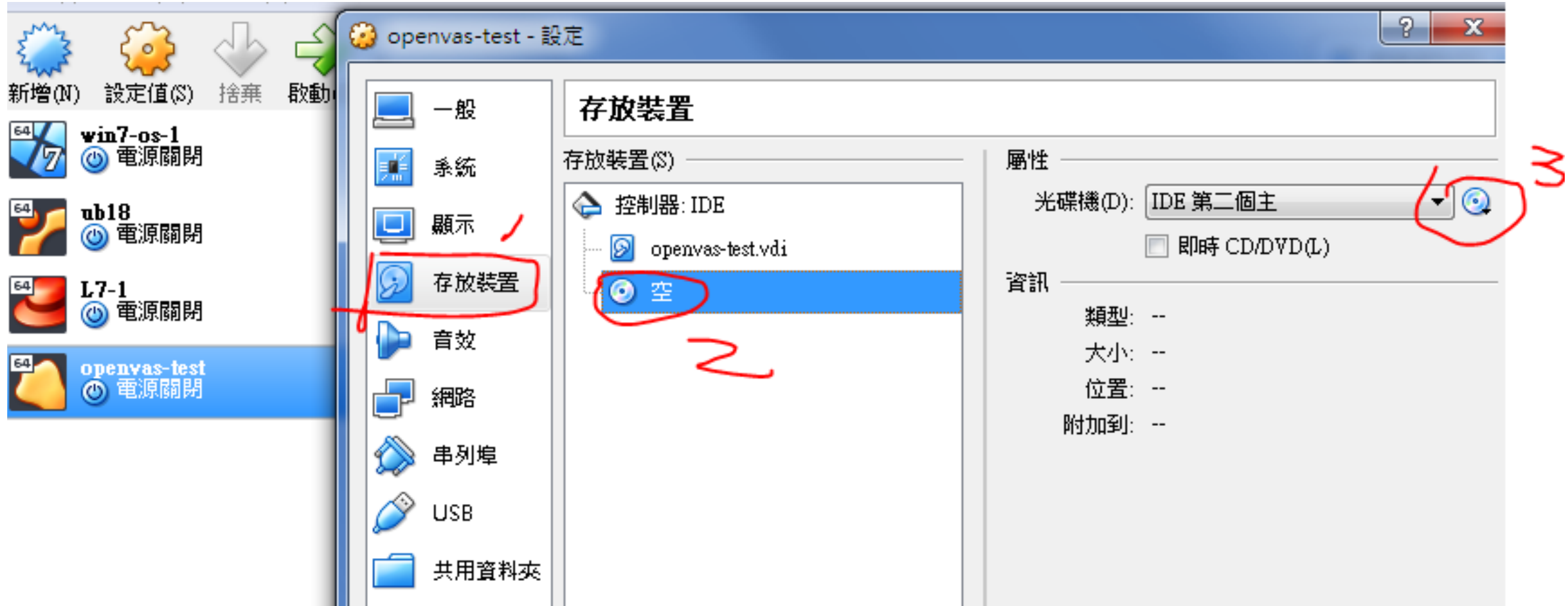
請在以下方塊輸入新虛擬硬碟檔案的名稱或按一下資料夾圖示以選取建立檔案所在的不同資料夾。

openvas-test

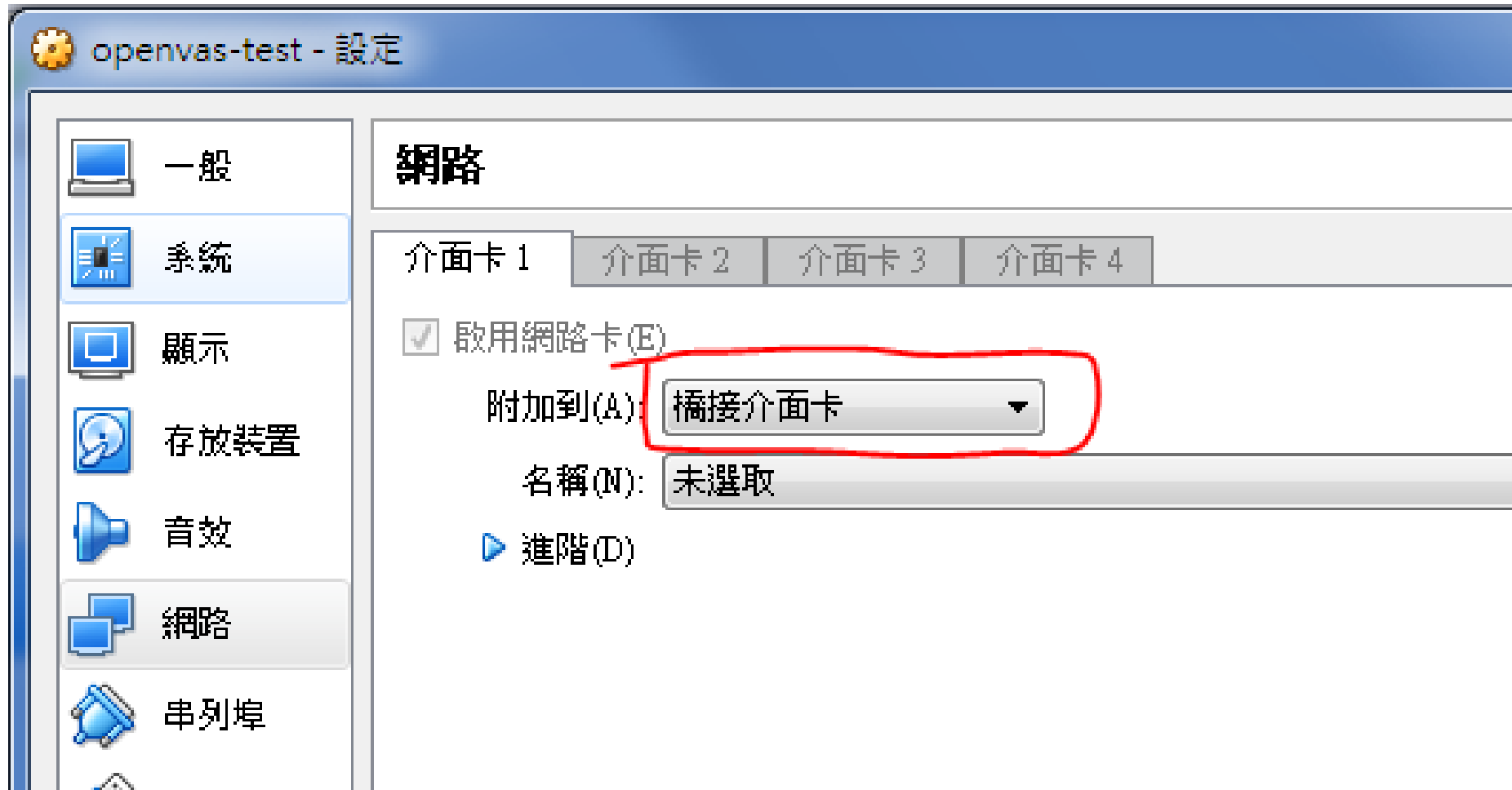
選取虛擬硬碟的大小，單位 MB。此大小的限制是虛擬機器能存放在硬碟的檔案資料量。

4.00 MB 9 GB 2.00 TB

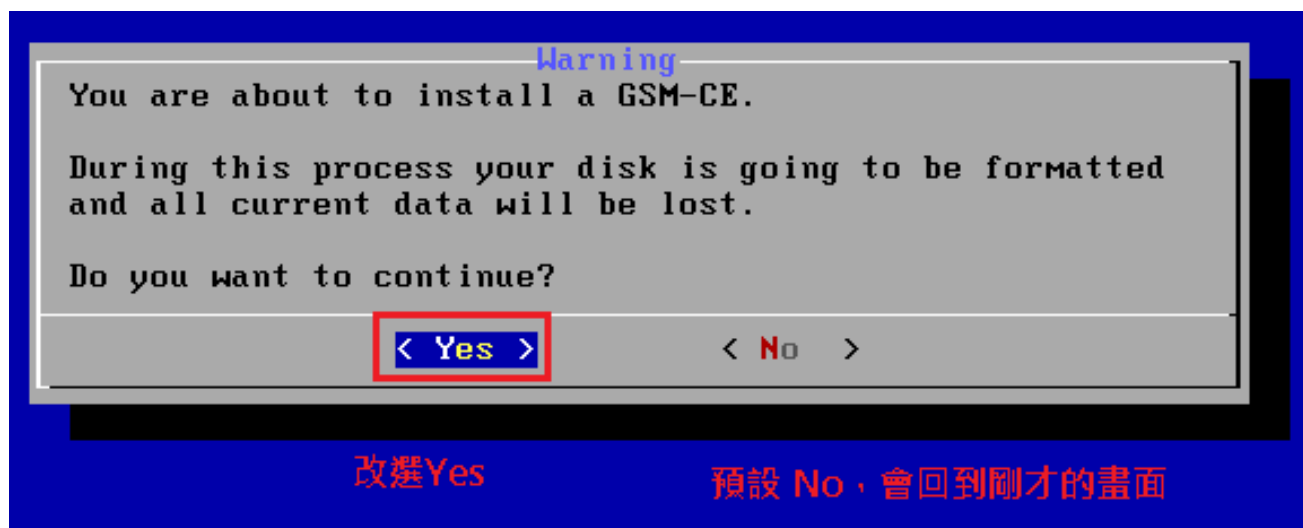
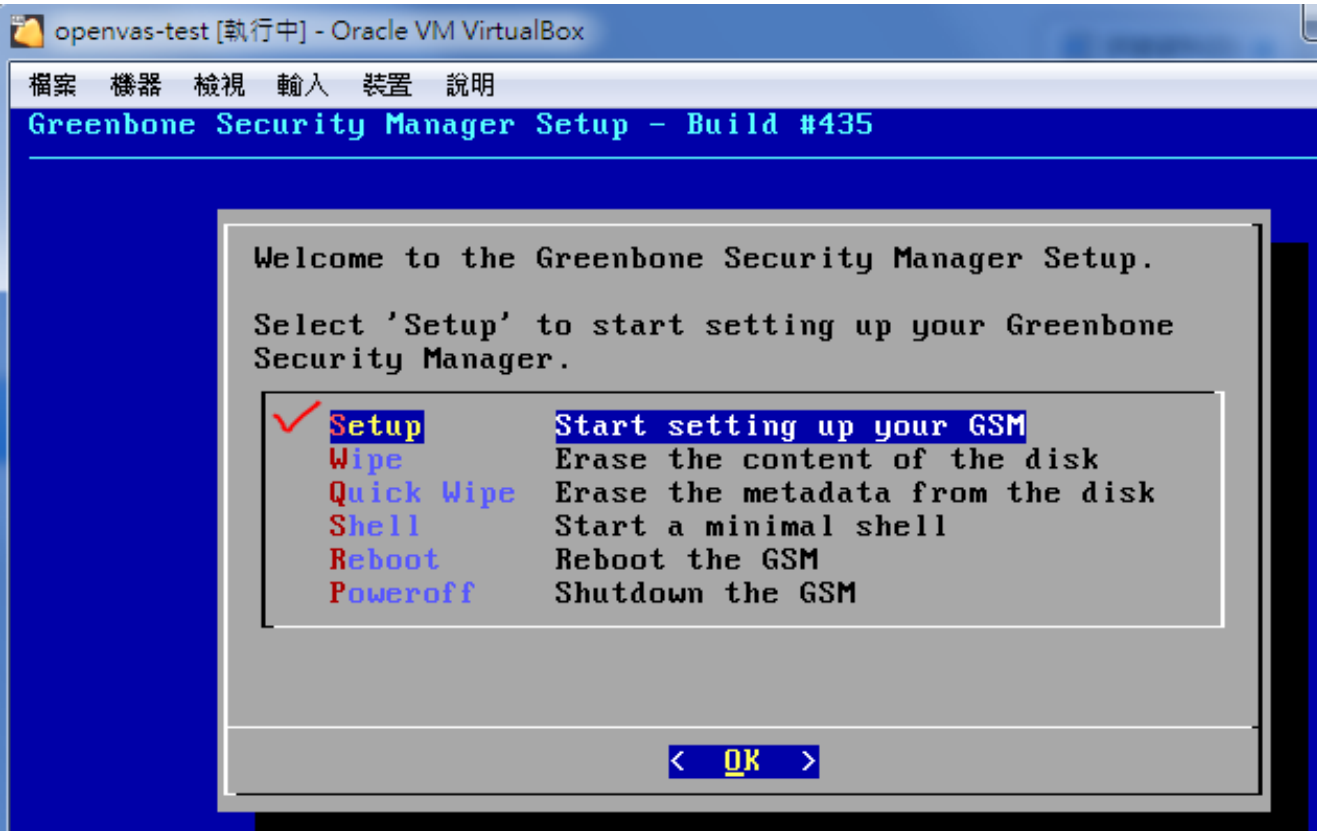
掛載ISO檔



變更網路介面卡-取得IP位址







安裝中，需要些時間

Installation in progress...

Your GSM Community Edition is now being prepared.

Please visit www.greenbone.net to learn more about commercial GSM appliances that solve all levels of enterprise needs. For example secure airgap-updates for disconnected networks or connectivity with other security systems.

Admin user

Please choose the username for the administrative user

admin_

設定管理員帳號

< OK >

<Cancel>

Admin password

Please enter the password for the administrative user. If you leave it empty, a random one will be generated for you.

password

設定密碼

< OK >

<Cancel>

Success

You successfully setup your GSM.
You need to reboot to finish the installation.
During the process the machine will reboot once more.

Do you want to reboot now?

< Yes >

< No >

Eject CD-ROM?

The CD is still mounted,
do you want to eject it
before rebooting?

< Yes >

< No >

gsm login: admin

Password:

— 輸入密碼

Setup Wizard

Your GSM is not fully functional yet. Do you want to complete the setup now?

By pressing 'Cancel', this question will not be asked again.

< Yes >

< No >

<Cancel>

Create a web-admin?

No web-user has been created yet. Do you want to create a web-admin now?

< Yes >

< No >

建立Web使用之帳號

New Admin

Create a new Admin

Account name	admin	用上下方向鍵去切換
Account password	*****	
Account password confirmation	*****	

TAB跳到 OK < OK > <Cancel>

Success

User created.

< OK >

contact details.

Editor Open an Editor to Paste the Key
HTTP Upload Upload the key via HTTP

沒訂閱 Key

< OK >

< Skip >

Download feed?

There is no feed present
on this machine. Do you
want to download a feed
now?


< Yes >

< No >

安裝完成，會出現IP位址，




Greenbone Security Manager



Username:

Password:


✕




Welcome to the scan task management!

If you would like to start your first vulnerability scan, the scan wizard can help you to do so with just one click.


Simply select the wizard icon from the icon bar in the top-left of this page.


倒數計時中 7 

 **Greenbone Security Manager**


DashboardScans ¹Assets

- Dashboard
- Tasks ²
- Reports
- Results
- Notes
- Overrides



 **Greenbone Security Manager**

DashboardScansAss

?  ¹ ★

Task Wizard ²

Advanced Task Wizard

Modify Task Wizard

Task Wizard

Quick start: Immediately scan an IP address

IP address or hostname:

The default address is either your computer or your network gateway.
 As a short-cut I will do the following for you:

1. Create a new Target
2. Create a new Task
3. Start this scan task right away
4. Switch the view to reload every 30 seconds so you can lean back and watch the scan progress

In fact, you must not lean back. As soon as the scan progress is beyond 1%, you can already jump into the scan report via the link in the Reports Total column and review the results collected so far.

When creating the Target and Task I will use the defaults as configured in "My Settings".

By clicking the New Task icon  you can create a new Task yourself.

Start Scan

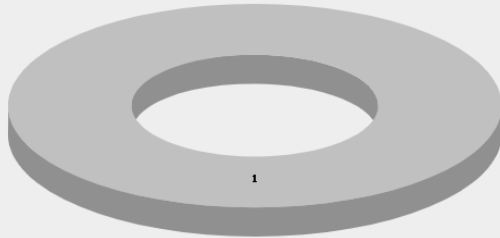
Greenbone Security Manager

Dashboard Scans Assets SecInfo Configuration Extr

Filter: min_qod=70 apply_

Tasks (1 of 1)


Tasks by Severity Class (Total: 1)



1

Tasks with most High results per host

No Tasks with High severity found

Name	Status	Reports	
		Total	Last
Immediate scan of IP 10.4.22.22	 76 %	0 (1)	

(Applied filter: min_qod=70 apply_overrides=1 rows=10 first=1 sort=name)



Report: Results (2 of 13)



ID: 6811e414-31d8-4bd2-bc7e-86c88cfbd59f

Modified: Thu Oct 4 08:15:09 2018

Created: Thu Oct 4 08:07:40 2018

Owner: admin

1 - 2 of 2

Vulnerability	Severity	QoD	Host	Location	Actions
SSH Weak Encryption Algorithms Supported	4.3 (Medium)	95%	10.4.22.22 (ip22.puli22-4-10.ncnu.edu.tw)	22/tcp	 
TCP timestamps	2.6 (Low)	80%	10.4.22.22 (ip22.puli22-4-10.ncnu.edu.tw)	general/tcp	 

(Applied filter:autoftp=0 apply_overrides=1 notes=1 overrides=1 result_hosts_only=1 first=1 rows=100 sort-reverse=severity levels=hml min_qod=70)

1 - 2 of 2

參考連結

- http://www.myhome.net.tw/2015_01/p08.htm
- <http://shaurong.blogspot.com/2018/06/gsm-community-edition-v4217-openvas-9.html>