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للتدريب وتقنية المعلومات

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Presented by  
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Arabic Video

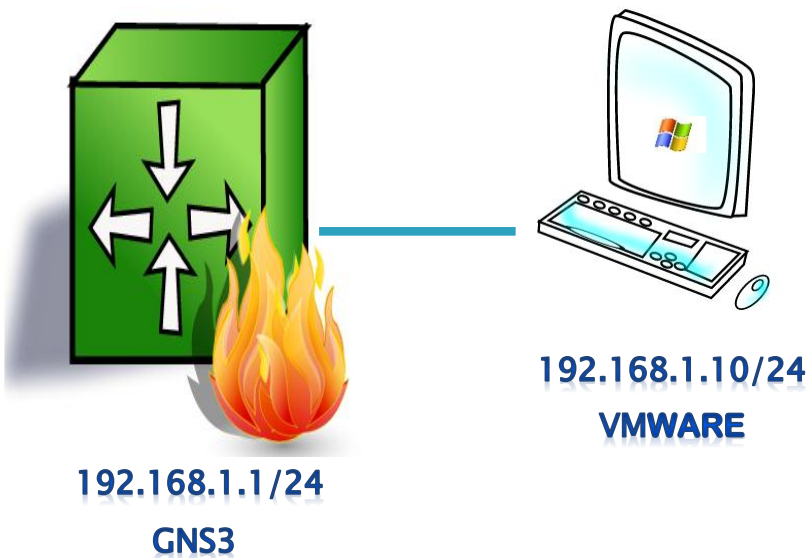
# ASA Firewall v8.4(2)

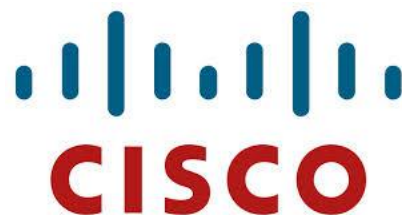
Virtualize in GNS3 v0.8.6



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# LAB Design





## ▶ Prerequisites

- ▶ Knowledge of VMware & GNS3
- ▶ knowledge of Network Security

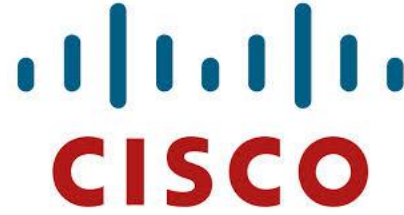
## ▶ Tools

- ▶ VMware WorkStation 7.0
- ▶ GNS3 0.8.6 All in One
- ▶ Windows XP SP3 32bit Professional ISO
- ▶ asa842-initrd ISO , asa842-vmlinuz ISO
- ▶ Java 7.0
- ▶ Tftpd32
- ▶ ASDM 6.4.7
- ▶ <https://www.mediafire.com/folder/j9qyvzqjxl4p/Cisco%20ASA%20tools>

## ▶ المتطلبات الاساسية

- ▶ معرفة بـ VMware&GNS3
- ▶ معرفة بمبادئ أمن الشبكات

## ▶ جميع البرامج والادوات المستخدمة في الشرح يمكن تحميلها من الرابط



**Presented to :**

**مقدم لـ**

- IT Professional
- Network Administrator
- Information Security Engineer
- New IT Student

- متخصصي مجال تقنية المعلومات

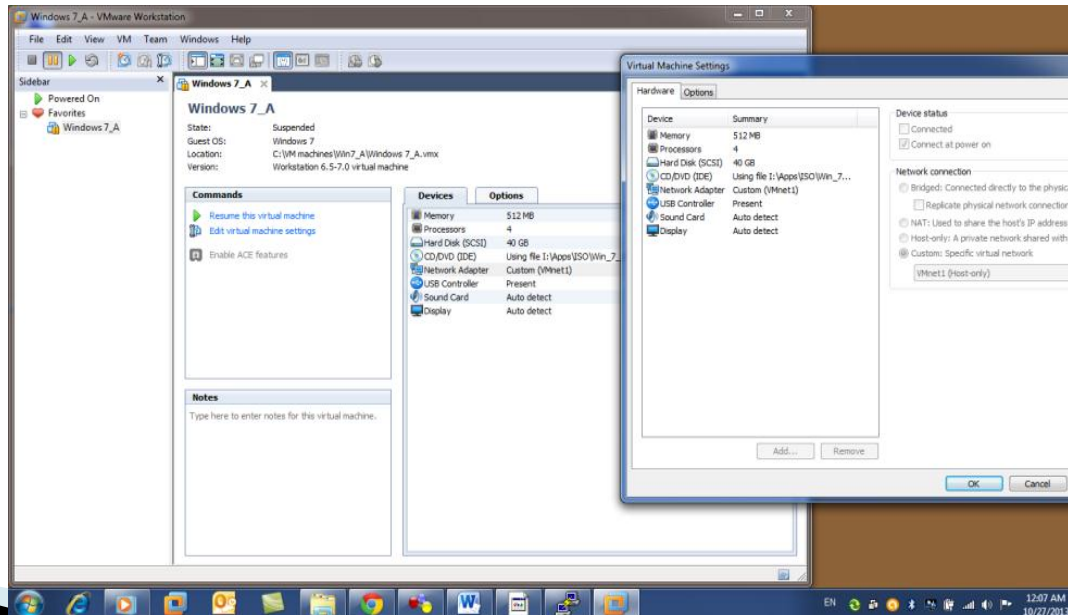
- مديري الشبكات والانظمة

- مهندسي أمن المعلومات

- طلاب الجامعات والدارسين لمجال تقنية المعلومات

## Step 1 (VMware)

- ▶ Install VMware v7.0 with VMnet1(Host Only)
- ▶ Install Windows XP 32 bit Image & Disable Windows Firewall
- ▶ Assign VMmachine TCP/IP 192.168.1.10/24
- ▶ Assign VMnet1 on your Host 192.168.1.100/24
- ▶ Install JAVA v7.0

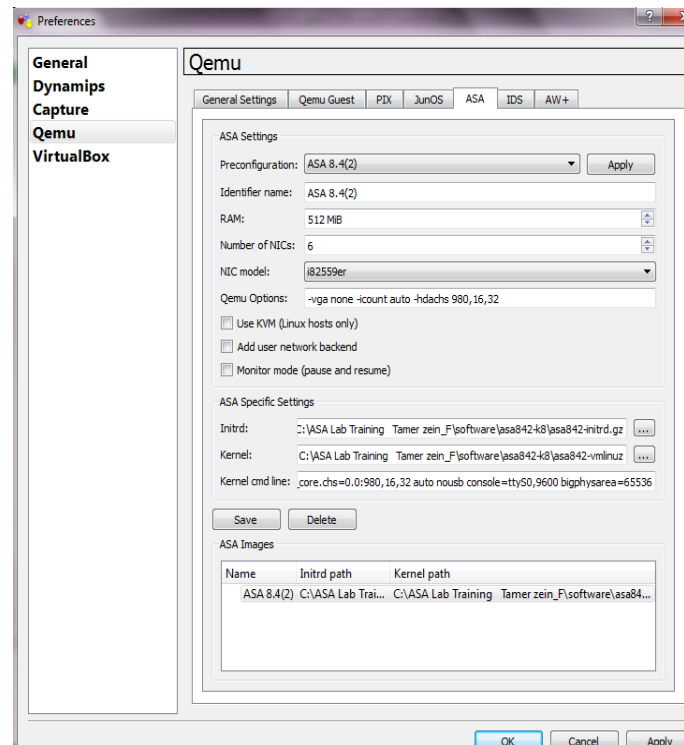




# Step 2 (GNS3 v0.8.6) all in One



- ▶ Install GNS3 v 0.8.6 all in one
- ▶ Emulate ASA initrd & kernel
- ▶ Drag Host (PC) & Connect to >VMnet1
- ▶ Connect PC to > Ethernet Switch to > ASA



# Step 2 (GNS3 v0.8.6) all in One



## Assign Basics to ASA

- ▶ ip address 192.168.1.1/24
- ▶ Nameif (inside)
- ▶ security level 100
- ▶ Hostname
- ▶ Ping 192.168.1.10

```
ASA2
ciscoasa> show version

Cisco Adaptive Security Appliance Software Version 8.4(2)

Compiled on Wed 15-Jun-11 18:17 by builders
System image file is "Unknown, monitor mode tftp booted image"
Config file at boot was "startup-config"

ciscoasa up 1 min 40 secs

Hardware:  ASA 5520, 512 MB RAM, CPU Pentium II 1000 MHz
Internal ATA Compact Flash, 256MB
BIOS Flash unknown @ 0x0, 0KB

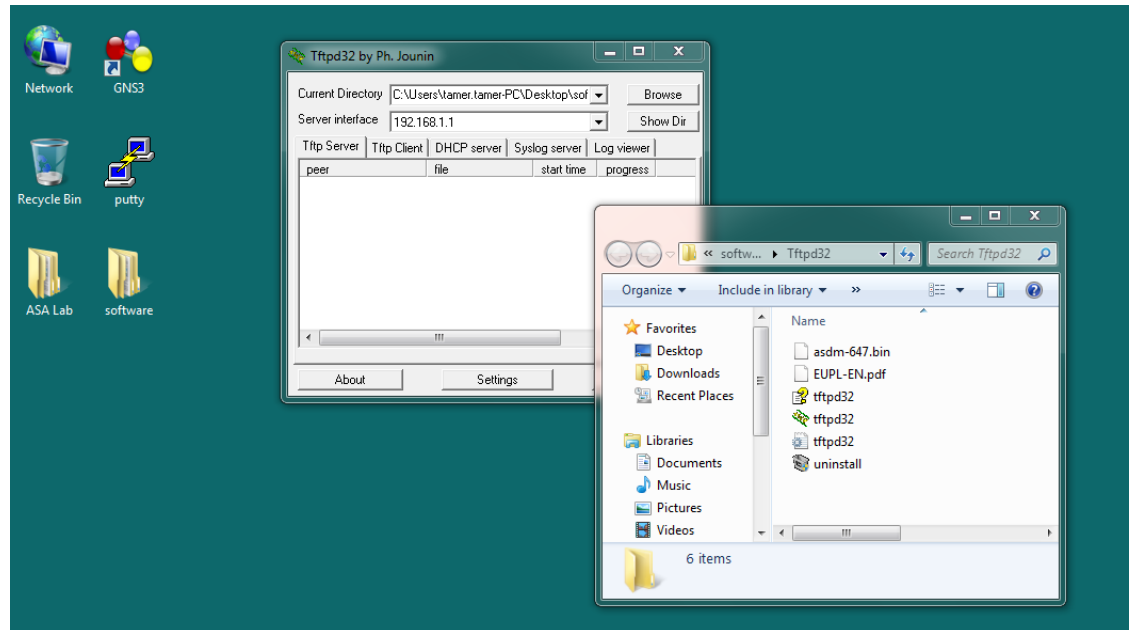
0: Ext: GigabitEthernet0    : address is 00ab.a72f.0100, irq 0
1: Ext: GigabitEthernet1    : address is 0000.ab22.9701, irq 0
2: Ext: GigabitEthernet2    : address is 0000.abde.3d02, irq 0
3: Ext: GigabitEthernet3    : address is 0000.ab4f.1403, irq 0
4: Ext: GigabitEthernet4    : address is 0000.ab09.7a04, irq 0
5: Ext: GigabitEthernet5    : address is 0000.abff.2c05, irq 0
```

- ▶ ASA# show Version
- ▶ ASA# show interface IP brief
- ▶ ASA# show nameif



## Step 3 (ASDM v6.4.7)

- ▶ In VMmachine Windows XP install JAVA 7
- ▶ Open tftpd32.exe & insert asdm-647.bin into the folder





## Step 3 (ASDM v6.4.7)

- ▶ **ASA(config)#copy tftp Flash:**
- ▶ **Source filename [ ]? asdm-647.bin**
  
- ▶ **ASA(config)# asdm image flash:asdm-647.bin**
- ▶ **ASA(config)# username tamer password cisco privilege 15**
- ▶ **ASA(config)# http server enable**
- ▶ **ASA(config)# http 192.168.1.10 255.255.255.255 inside**
- ▶ **ASA#wr**
  
- ▶ **Open IE & Type <https://192.168.1.1>**
- ▶ **Install ASDM Launcher and Run ASDM**



## Video & Presentation Links

**You Tube**

<https://www.youtube.com/watch?v=MHEWQp4Kjjc>



[http://www.mediafire.com/download/51q65f6f6f1r7vf/SAHL+Training+\\_ASA+Firewall+v8.4%282%29+Tamer+Zein.pdf](http://www.mediafire.com/download/51q65f6f6f1r7vf/SAHL+Training+_ASA+Firewall+v8.4%282%29+Tamer+Zein.pdf)

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# THANK YOU!



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