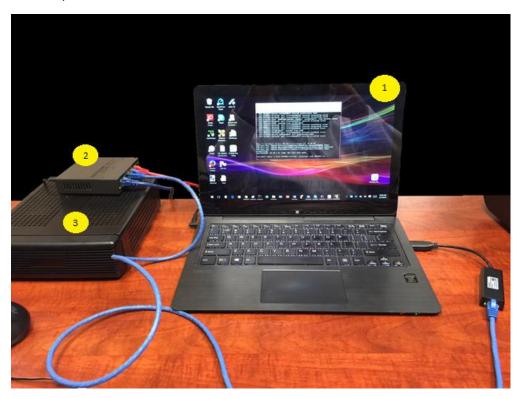
How to setup the NetWatcher Virtual machine on a laptop with 1 network card connected to a Netgear ProSafe managed switch in promiscuous mode.

Note that with this configuration you are using the same Lan port on the virtual switch for outbound access to the NetWatcher cloud as well as doing deep packet inspection.

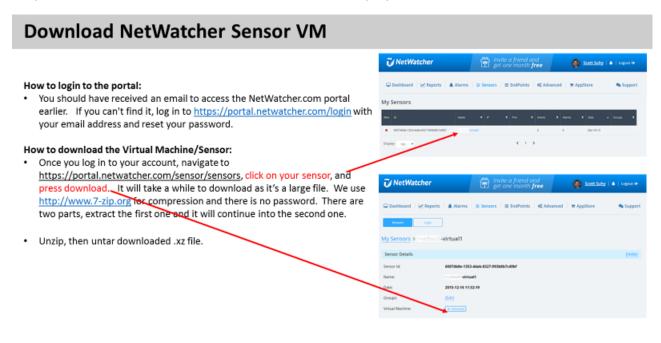
For this to work you should ensure that:

- You are not blocking UDP 443 outbound.
- You do not have any firewall software running on the laptop that would block the sensor.

Here is the typical test environment. 1 – the laptop running <u>VMware player</u> and the NetWatcher sensor. 2 – an inexpensive managed switch (<u>Netgear ProSAFE</u> is great). 3 – an internet connection and possibly other computers attached to the switch.



Step 1: Download the Virtual Sensor and install it on the laptop

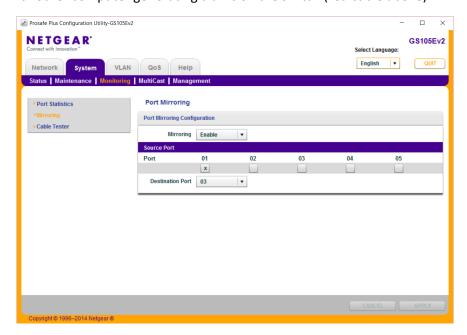


## **V**netwatcher

Step 2: Setup a Mirror port on the switch.

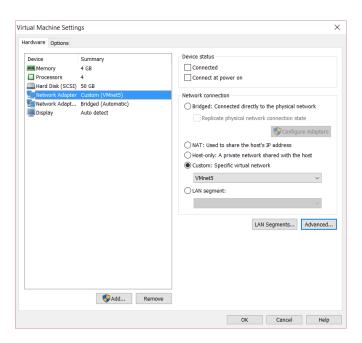
In this example configuration in the figure below you setup port mirroring under "System | Monitoring"

- Port 1 connection to the internet.
- Port 3 The laptop running the NetWatcher sensor. Must be able to get an IP address via DHCP.
- Port 4 another computer generating traffic on the switch (red cable above)

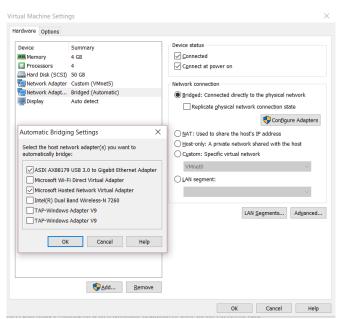


\*\*We are mirroring all traffic from port 1 (internet) to port 3 (sensor)

Step 3 – Turn off one of the network adapters (VMnet5)



Step 4 – Put the second lan port in Bridged mode and choose Advanced to choose the adapters you want bridged.



## Step 5 – Verify you have an IP address

Step into the VM and press enter. The VM will show the sensor's IP address as seen in the figure below.

