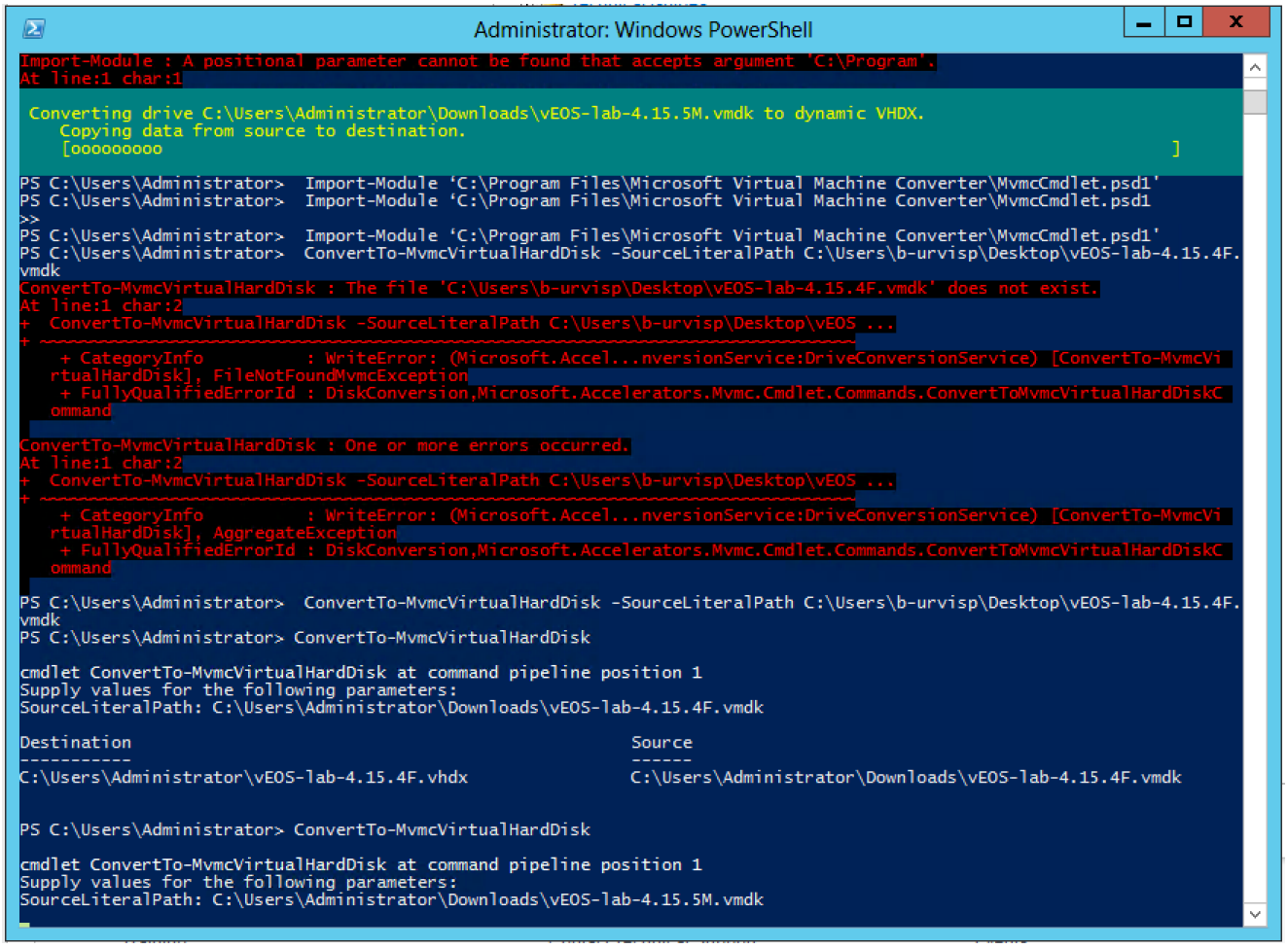
vEOS on Hyper V

Steps:

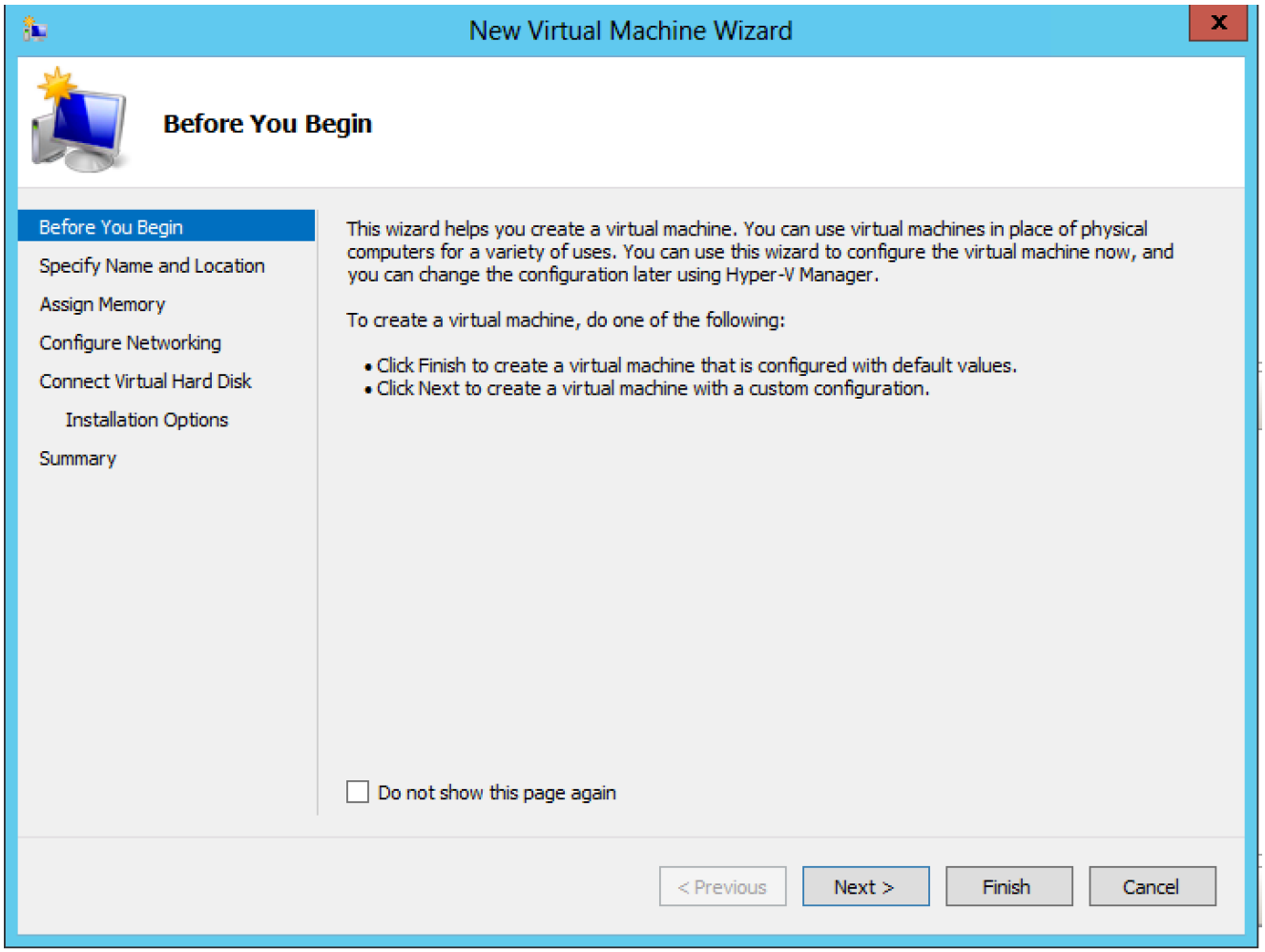
1. Download the vEOS vmdk for the EOS version that you want and the Aboot-veos-serial-2.0.8.iso image from here:Arista Software Downloads Page
2. Convert the vmdk to vhd/vhdx using the Microsoft Virtual Machine Convertor:
   - Open Windows Powershell as an Administrator
   - Import the mvmcvcmvlet.psd1 module using:
     `PS C:\Users\Administrator> Import-Module 'C:\Program Files\Microsoft Virtual Machine Converter\MvmcCmdlet.psd1'`
   - Convert the vmdk to vhdx:

```
PS C:\Users\Administrator> ConvertTo-MvmcVirtualHardDisk
cmdlet ConvertTo-MvmcVirtualHardDisk at command pipeline position 1
Supply values for the following parameters:
SourceLiteralPath: C:\Users\Administrator\Downloads\vEOS-lab-4.15.5M.vmdk
Destination                                                    Source
-----------                                                    ------
C:\Users\Administrator\vEOS-lab-4.15.5M.vhdx                   C:\Users\Administrator\Downloads\vEOS-lab-4.15.5M.vmdk
PS C:\Users\Administrator>
```



3. Open Hyper-V Manager

4. Create New --> Virtual Machine

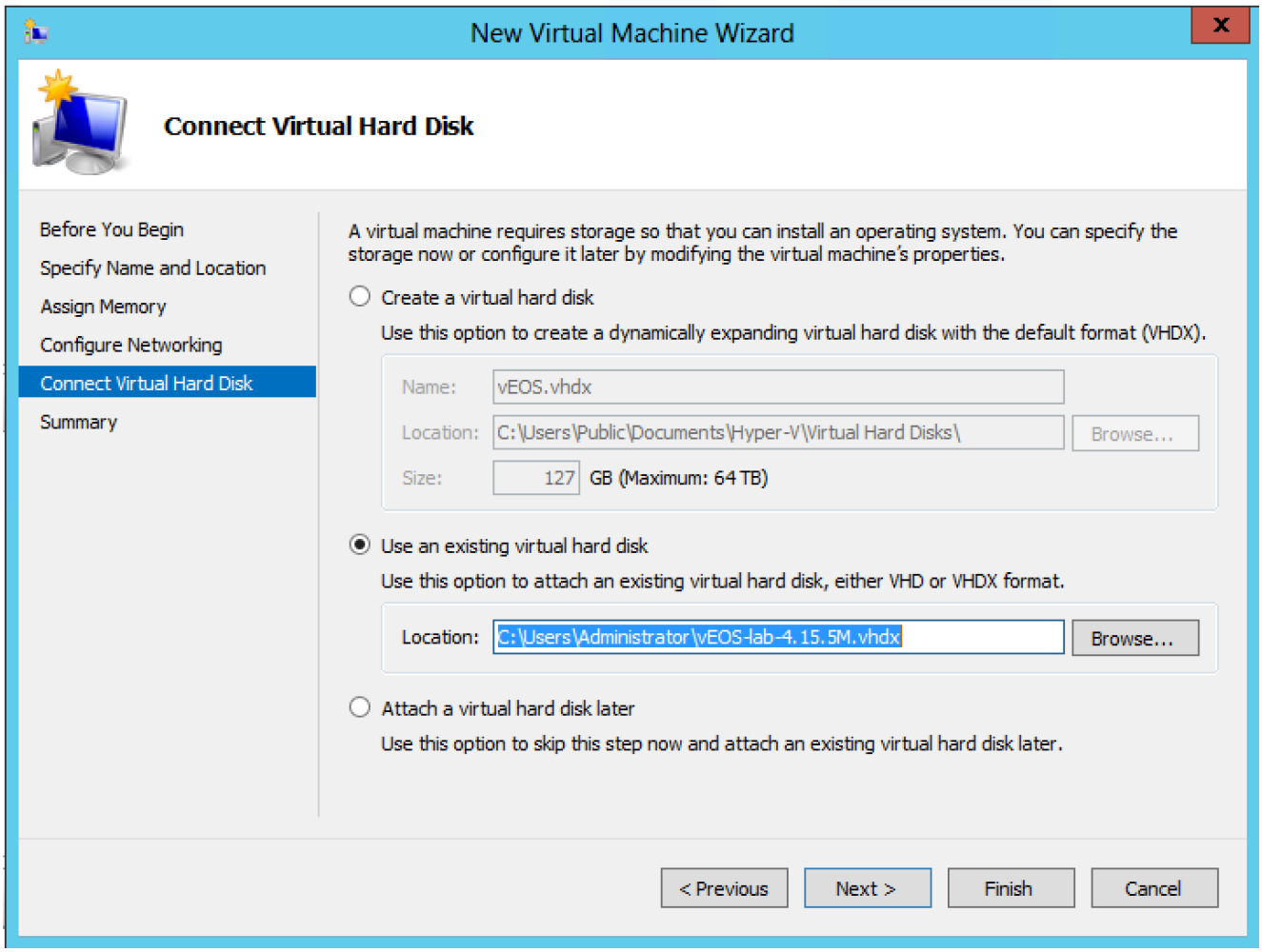


5. Name: vEOS

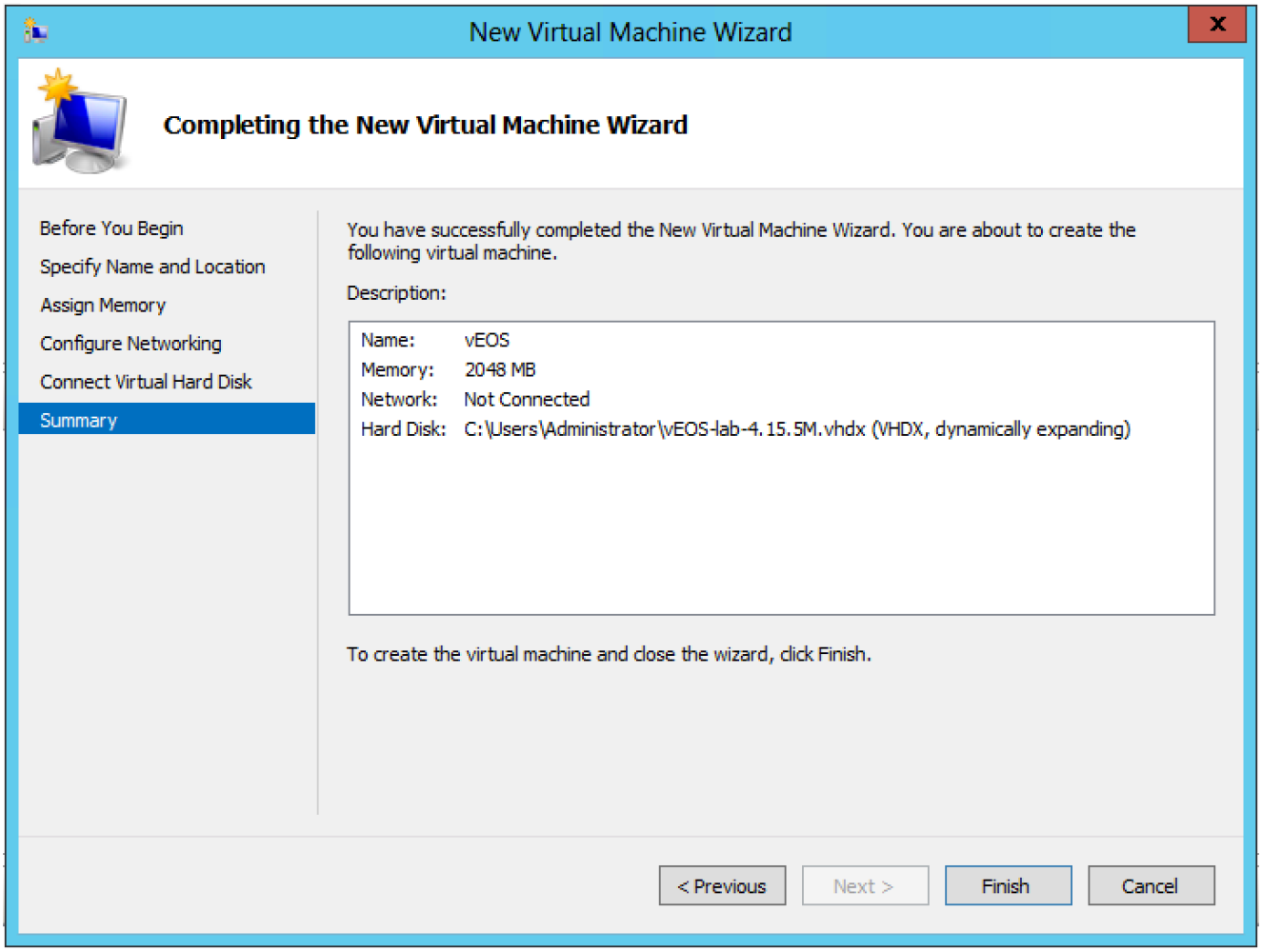
6. Startup Memory: 2048 MB

7. Dont change the "Configure Networking". We will add later.

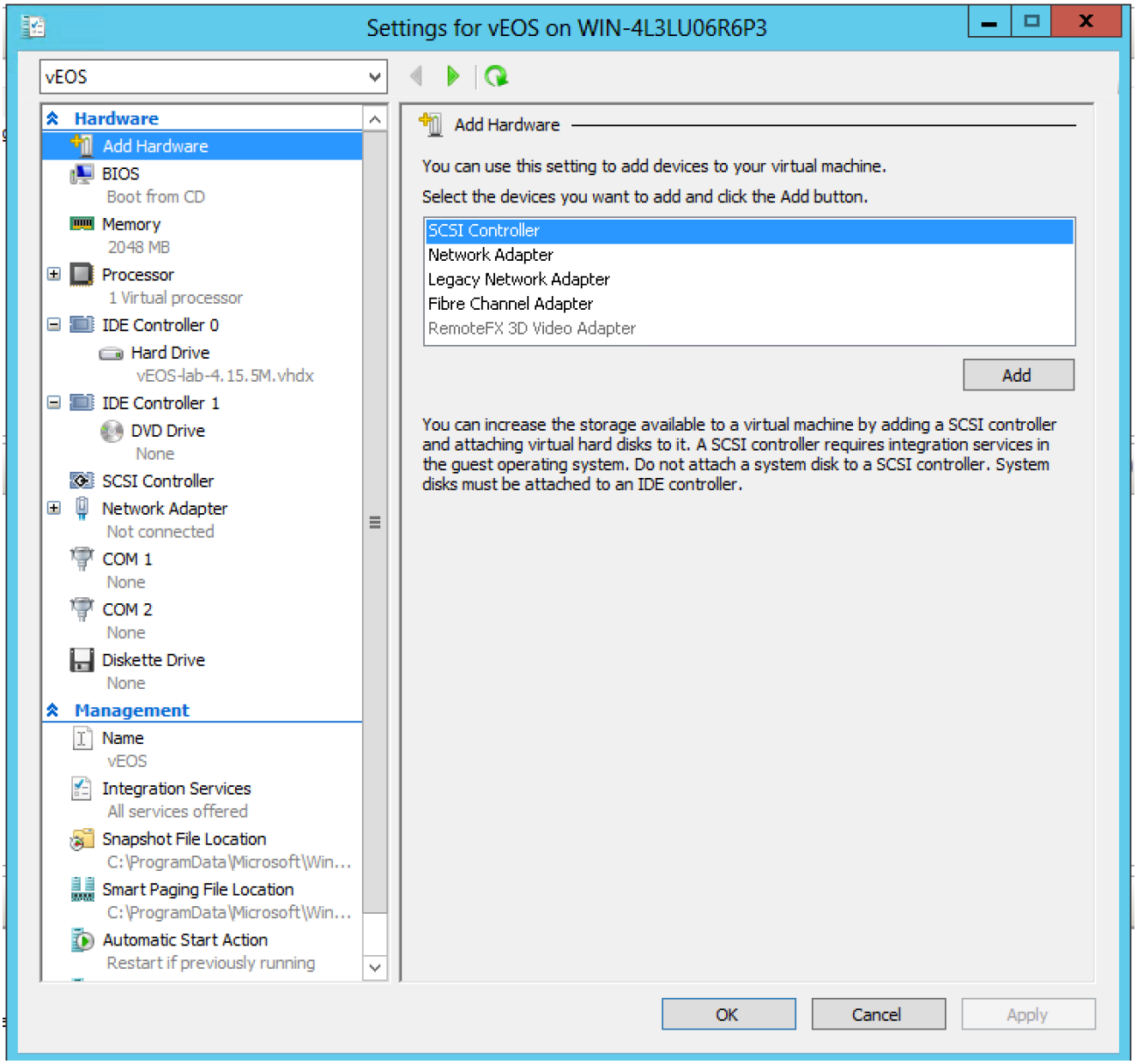
8. On "Connect Virtual Hard Disk" page, under "Use an existing Virtual Hard Disk", browse to the vhdx image that we just created and select it.


New Virtual Machine Wizard
Connect Virtual Hard Disk
Before You Begin
Specify Name and Location
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Summary
A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.
Create a virtual hard disk
Use this option to create a dynamically expanding virtual hard disk with the default format (VHDX).
Name: vEOS.vhdx
Location: C:\Users\Public\Documents\Hyper-V\Virtual Hard Disks\
Browse...
Size: 127 GB (Maximum: 64 TB)
Use an existing virtual hard disk
Use this option to attach an existing virtual hard disk, either VHD or VHDX format.
Location: C:\Users\Administrator\vEOS-lab-4.15.5M.vhdx
Browse...
Attach a virtual hard disk later
Use this option to skip this step now and attach an existing virtual hard disk later.
< Previous
Next >
Finish
Cancel

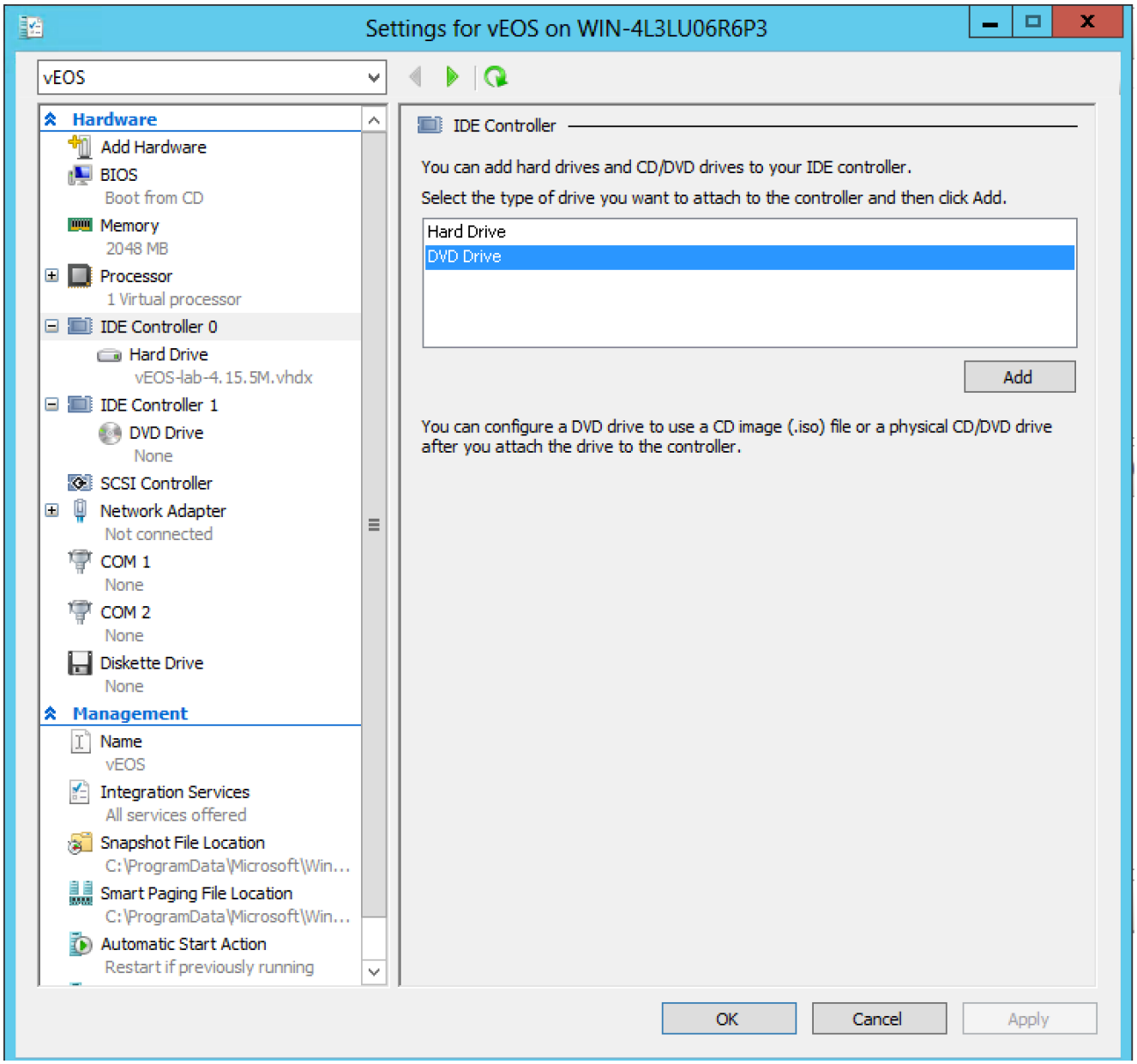
9. Confirm the configuration so far and click "Finish"



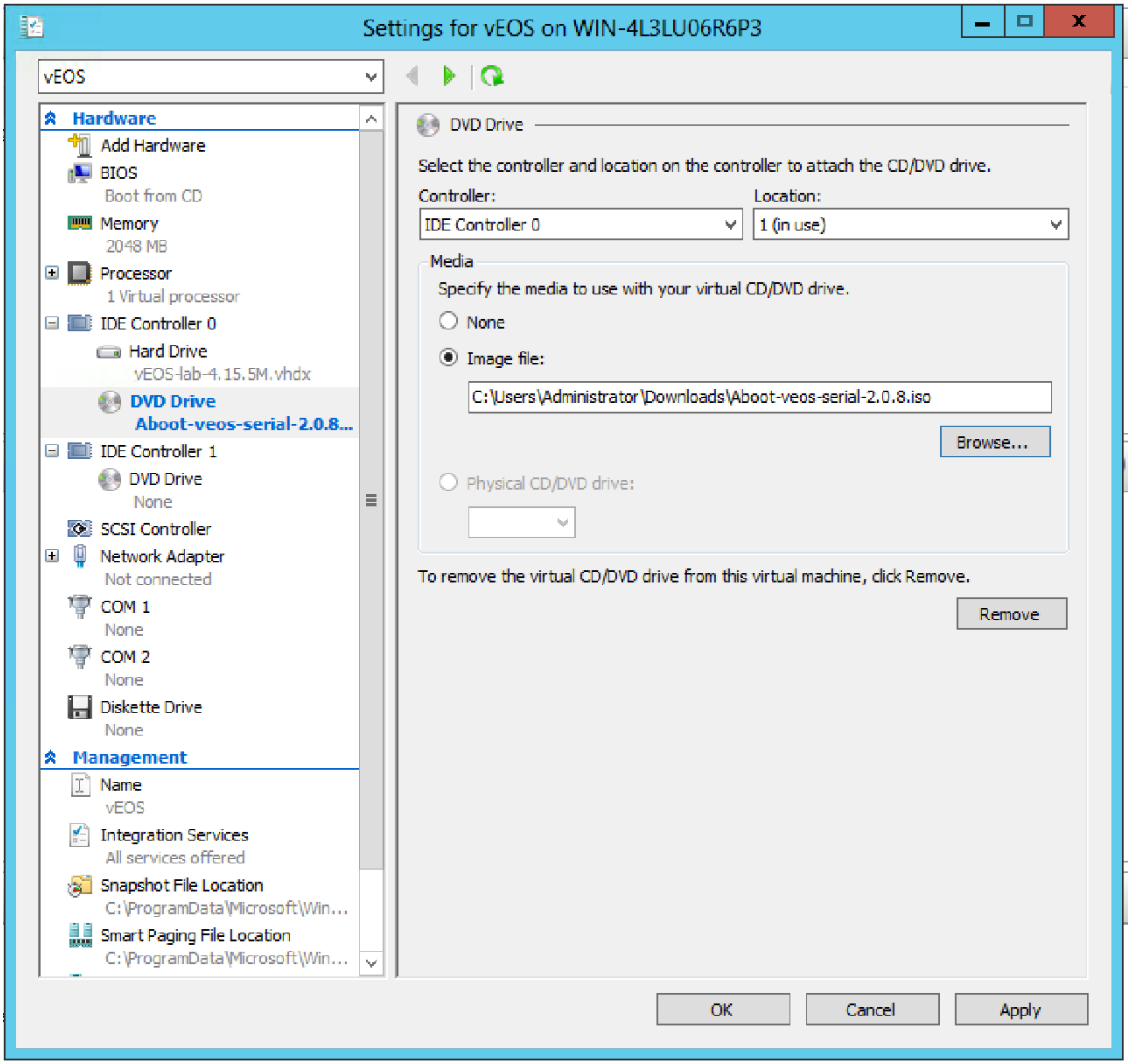
10. Click on the newly created virtual machine and on the Right side, in the Actions pane, select the virtual machine settings



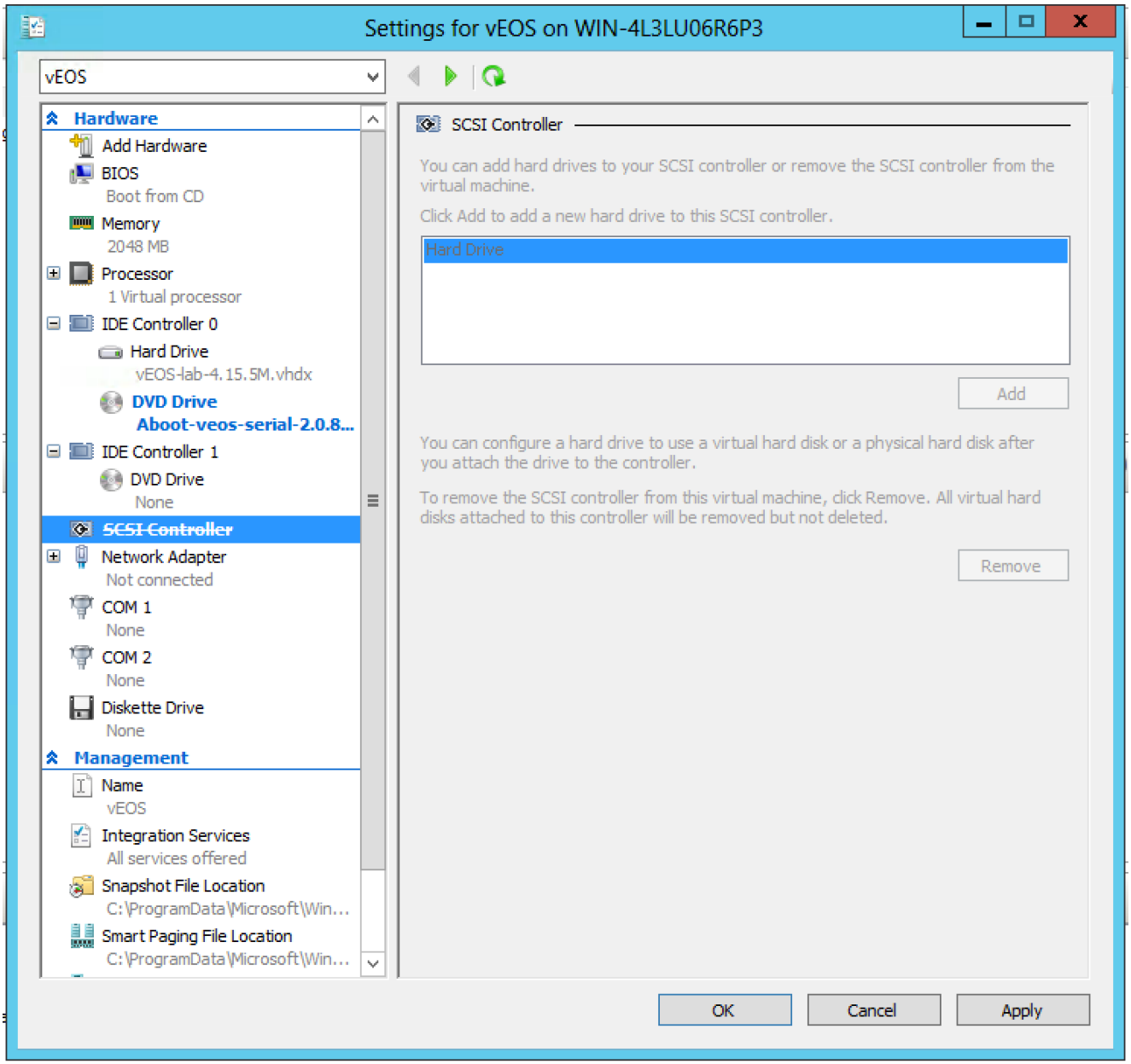
11. Select IDE Controller 0, select "DVD Drive" and click on Add.



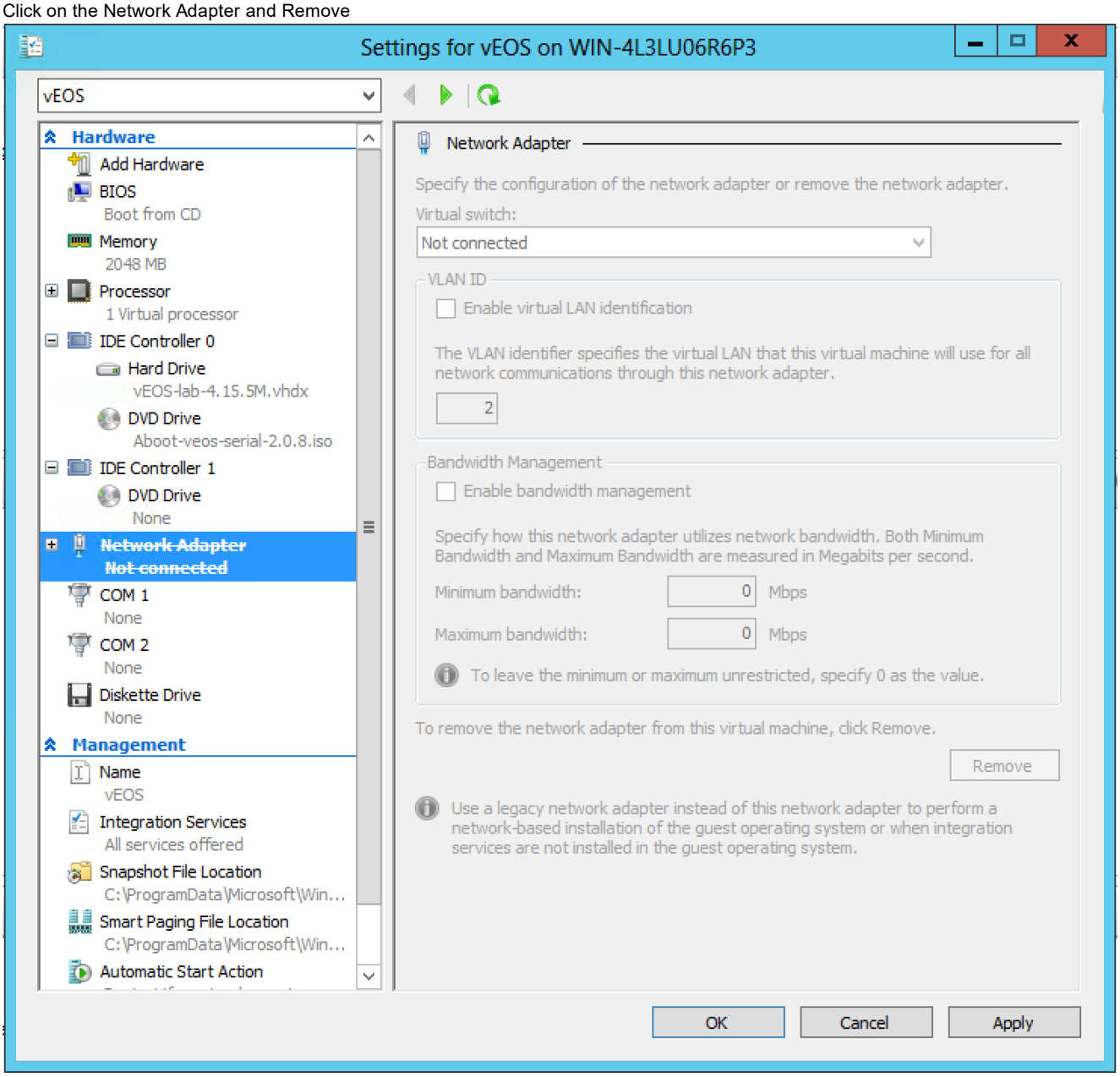
12. Click on "Image File" and Browse to the Aboot iso image that we downloaded in Step 2.



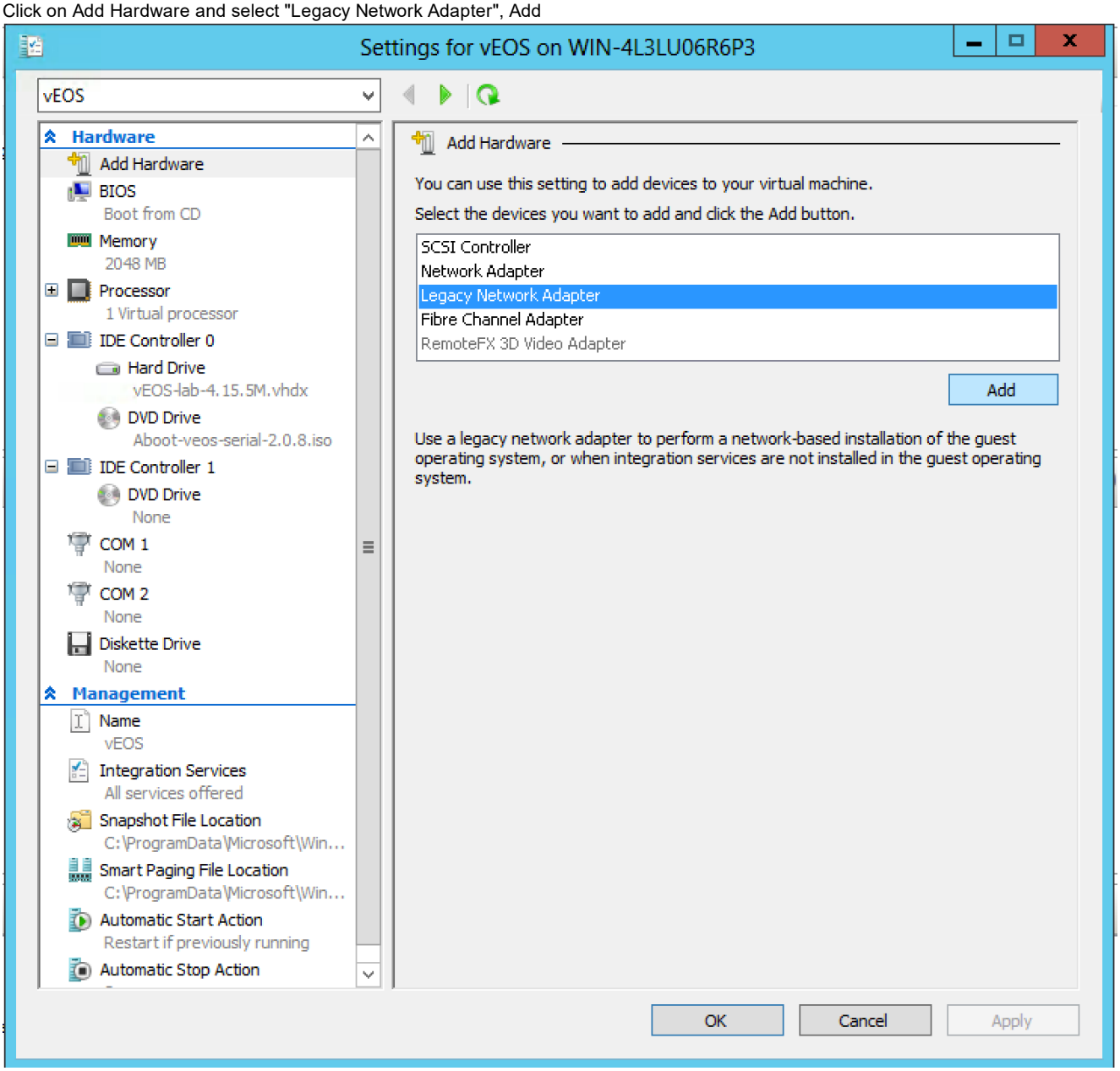
13. Click on SCSI Controller and Remove



14. Click on the Network Adapter and Remove

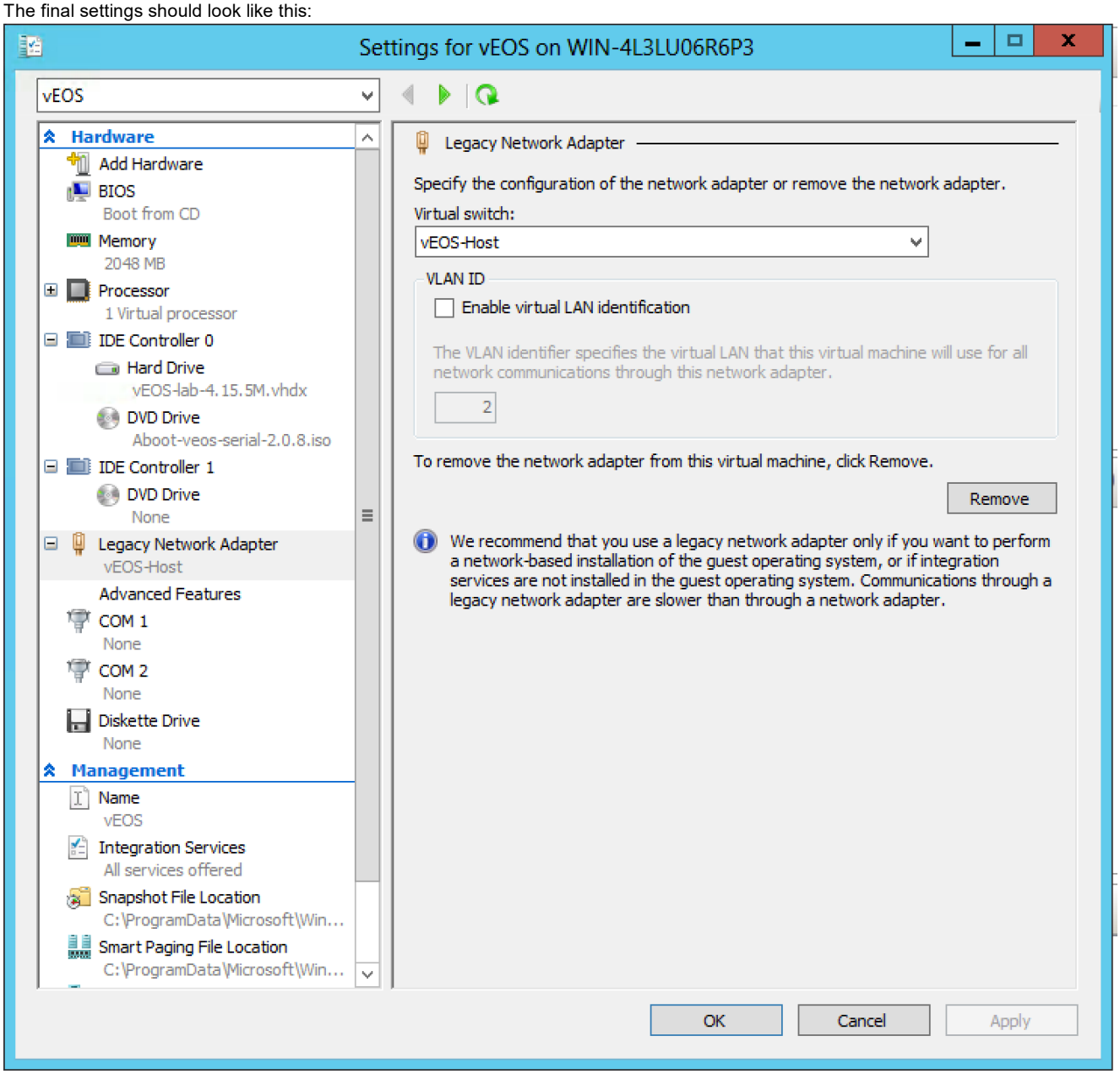


15. Click on Add Hardware and select "Legacy Network Adapter", Add



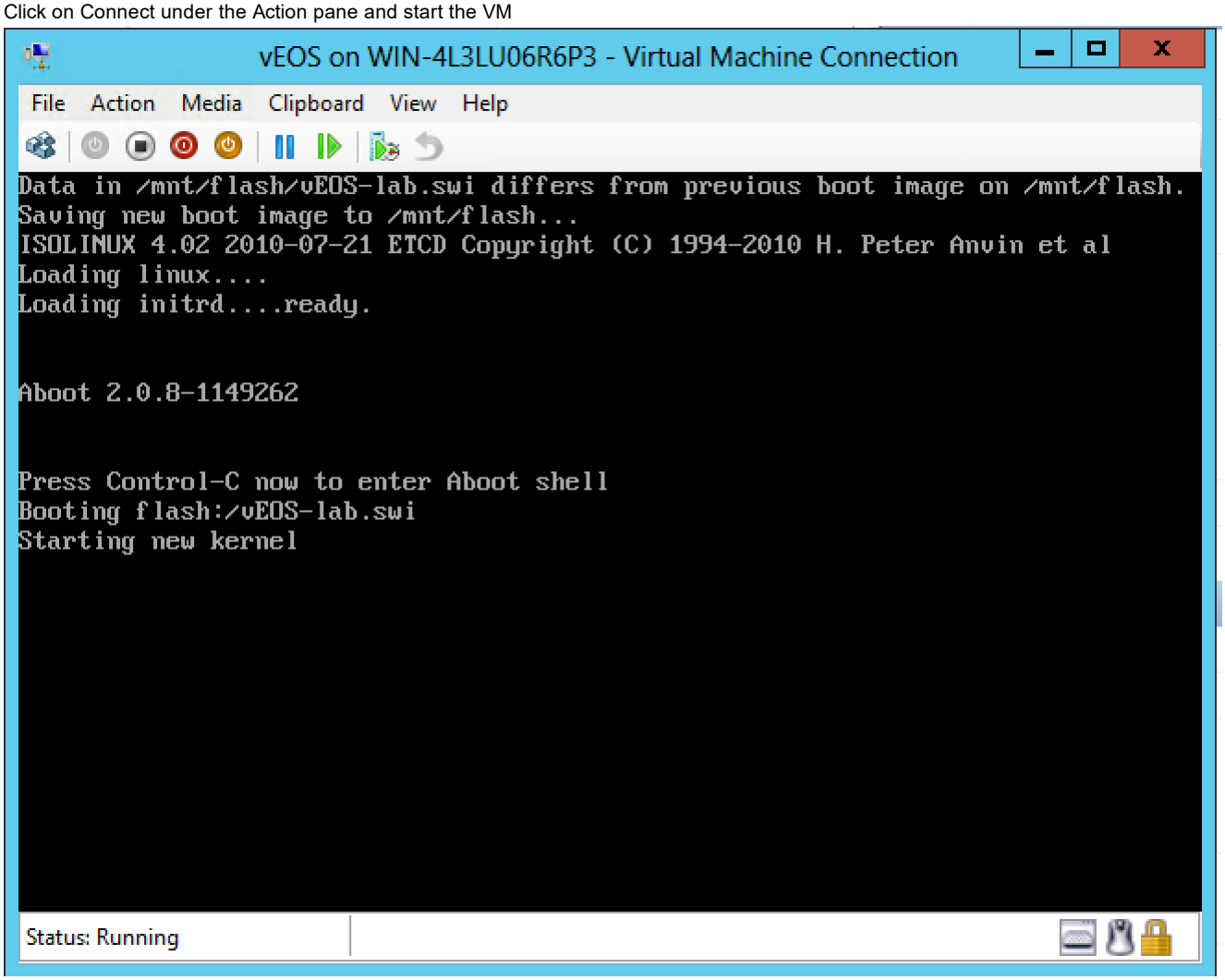
Note:You can create a Virtual Switch as per you network needs and attach it to this network adapter. You can attach upto 4 Legacy Network Adapters on a Hyper-V vEOS VM.

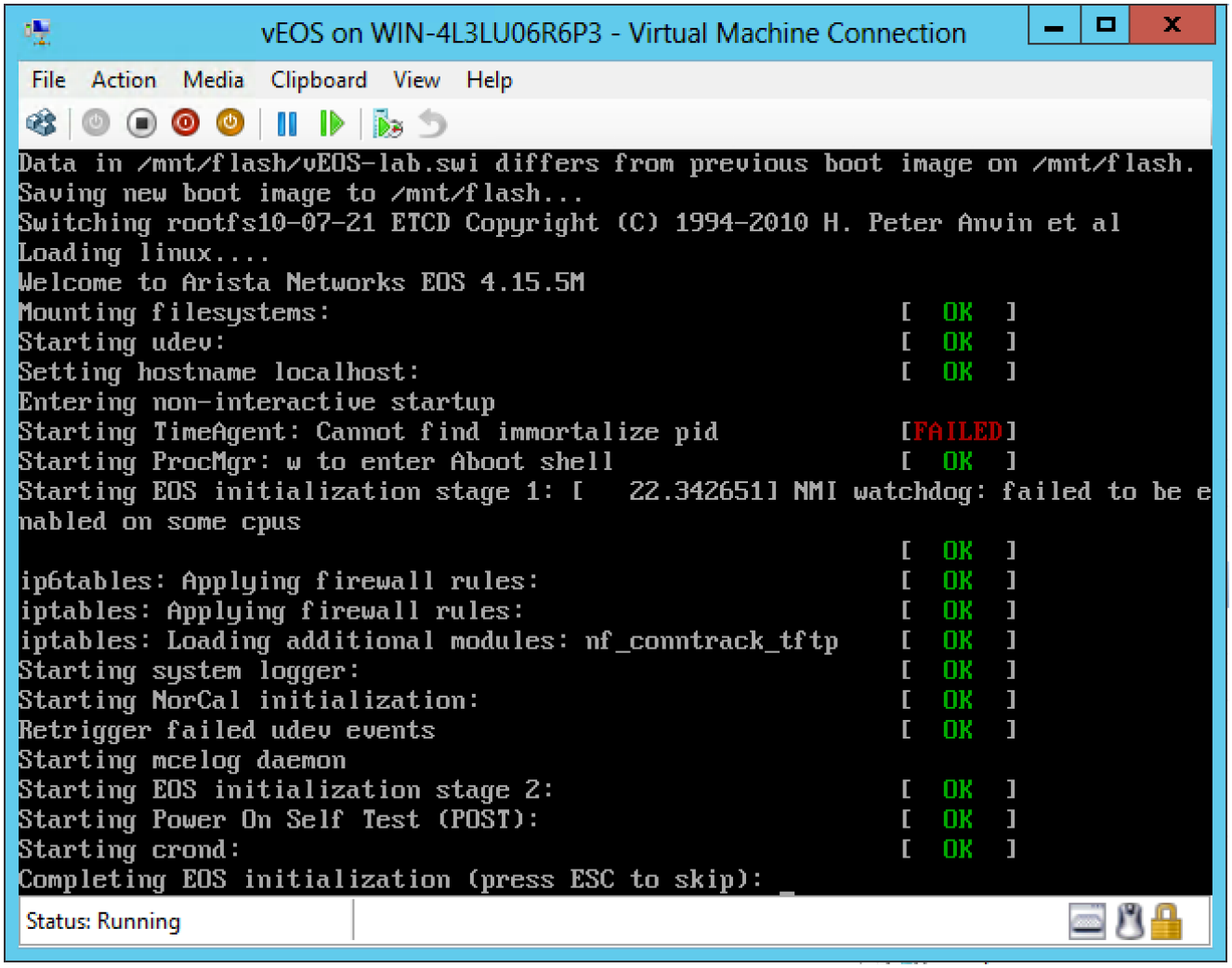
16. The final settings should look like this:

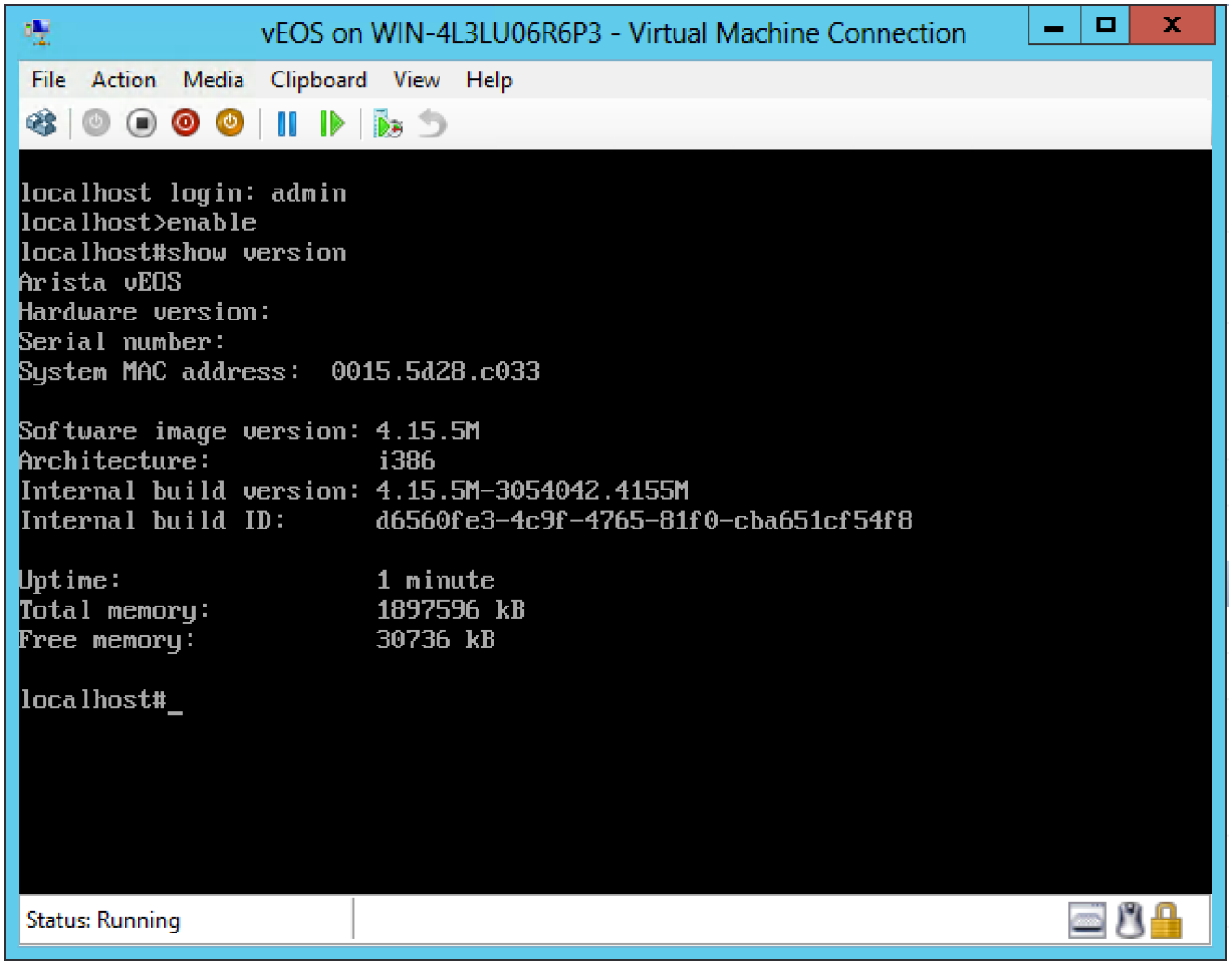


17. Click Apply , Ok

18. Click on Connect under the Action pane and start the VM




vEOS on WIN-4L3LU06R6P3 - Virtual Machine Connection
File Action Media Clipboard View Help
Data in /mnt/flash/vEOS-lab.swi differs from previous boot image on /mnt/flash.
Saving new boot image to /mnt/flash...
Switching rootfs10-07-21 ETCD Copyright (C) 1994-2010 H. Peter Anvin et al
Loading linux....
Welcome to Arista Networks EOS 4.15.5M
Mounting filesystems: [OK]
Starting udev: [OK]
Setting hostname localhost: [OK]
Entering non-interactive startup
Starting TimeAgent: Cannot find immortalize pid [FAILED]
Starting ProcMgr: w to enter Aboot shell [OK]
Starting EOS initialization stage 1: [22.342651] NMI watchdog: failed to be enabled on some cpus
[OK]
ip6tables: Applying firewall rules: [OK]
iptables: Applying firewall rules: [OK]
iptables: Loading additional modules: nf_conntrack_tftp [OK]
Starting system logger: [OK]
Starting NorCal initialization: [OK]
Retrigger failed udev events [OK]
Starting mcelog daemon
Starting EOS initialization stage 2: [OK]
Starting Power On Self Test (POST): [OK]
Starting crond: [OK]
Completing EOS initialization (press ESC to skip): _
Status: Running


vEOS on WIN-4L3LU06R6P3 - Virtual Machine Connection
File Action Media Clipboard View Help
localhost login: admin
localhost>enable
localhost#show version
Arista vEOS
Hardware version:
Serial number:
System MAC address: 0015.5d28.c033
Software image version: 4.15.5M
Architecture: i386
Internal build version: 4.15.5M-3054042.4155M
Internal build ID: d6560fe3-4c9f-4765-81f0-cba651cf54f8
Uptime: 1 minute
Total memory: 1897596 kB
Free memory: 30736 kB
localhost#_
Status: Running