

Install AirWave to Hyper-V Feb15-MHC

I just installed AirWave successfully to a Windows Server 2012 R2 Hyper-V. So I document the installation with a few notes so you can avoid frustration of installation hang or crash or application not running at all.

This tutorial is for AMP 8.0.6.3 ISO, Windows Server 2012 or 2012R2.

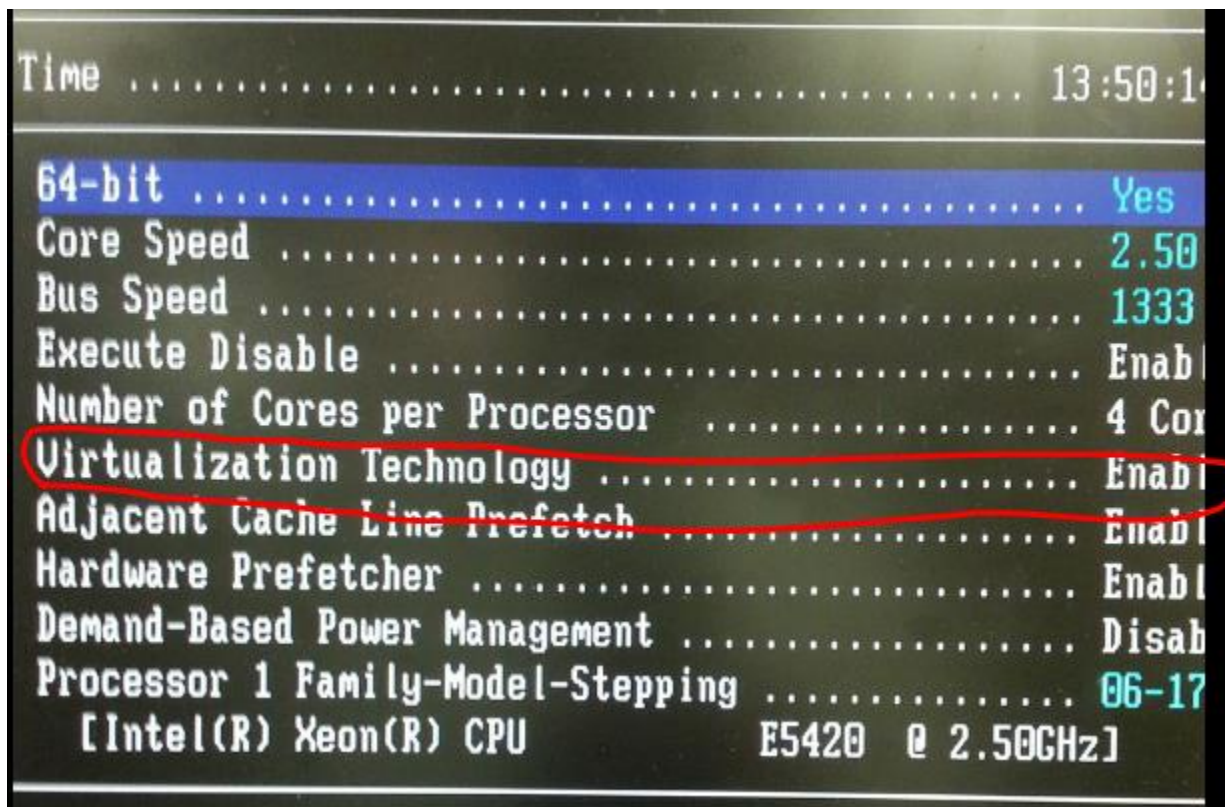


Figure 1: Before you can install Hyper-V service, you must enable Virtual Technology in the BIOS, which is disable by default.

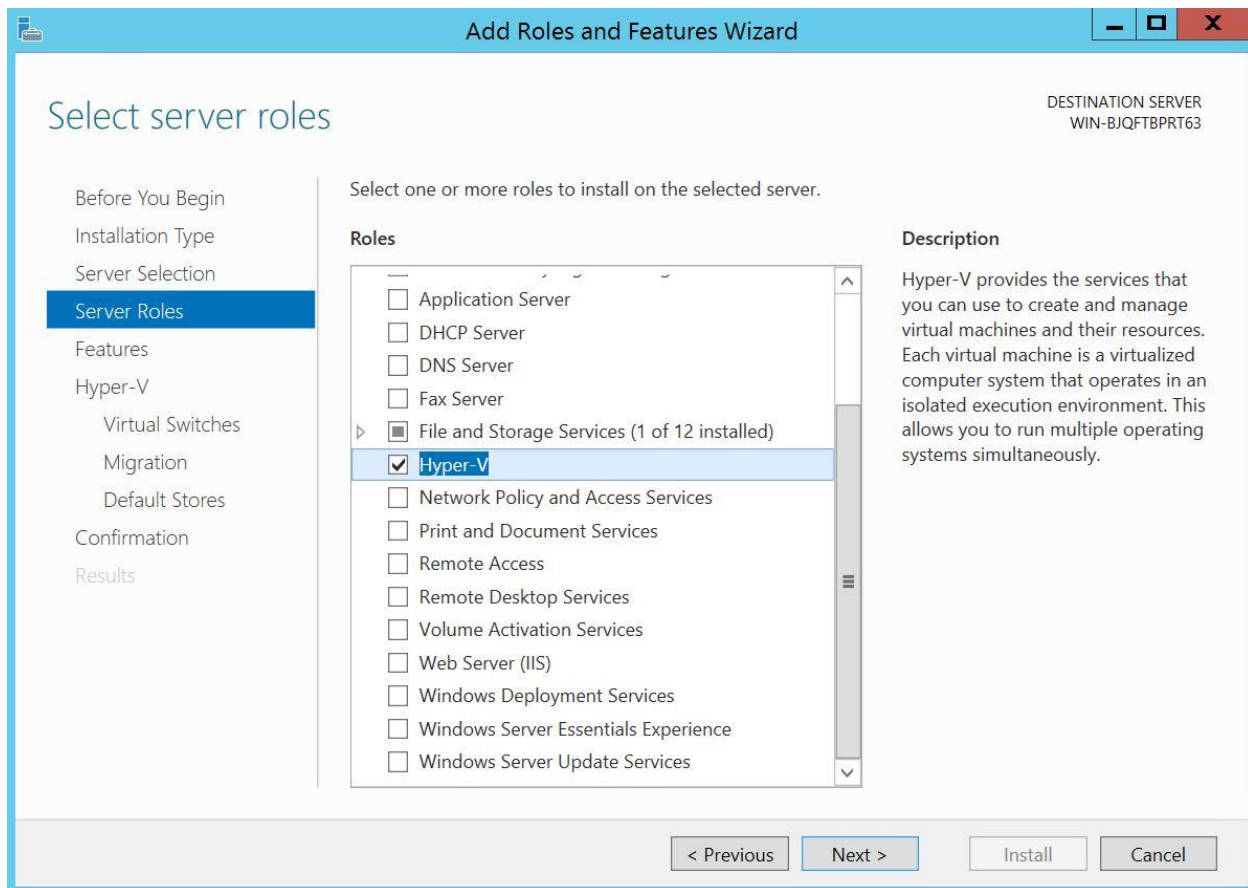


Figure 2: Add Hyper-V role to Windows 2012 R2 server

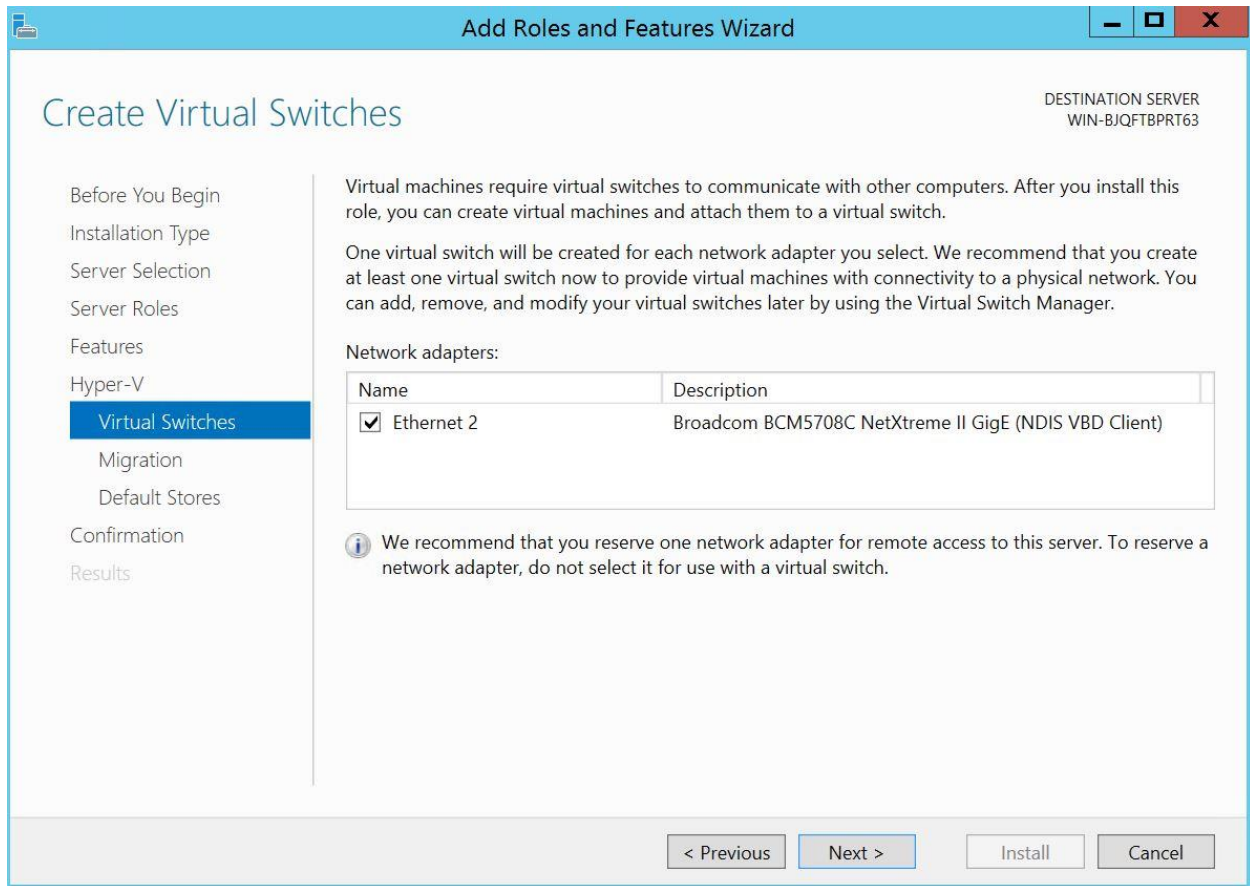


Figure 3: Add Virtual Switch and made this switch connect to the network adapter that carries the network that you want AirWave on

Click next, Hyper-V will install.

After Hyper-V finishes installation and server reboots, run Hyper-V Manager

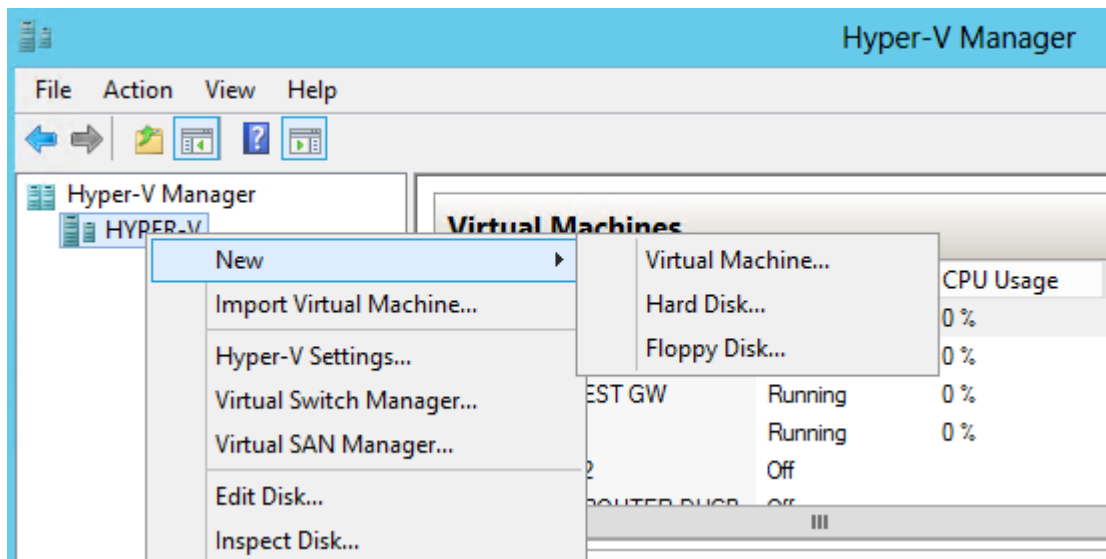


Figure 4: In Hyper-V Manager, click New, Virtual Machine to create a Virtual Machine

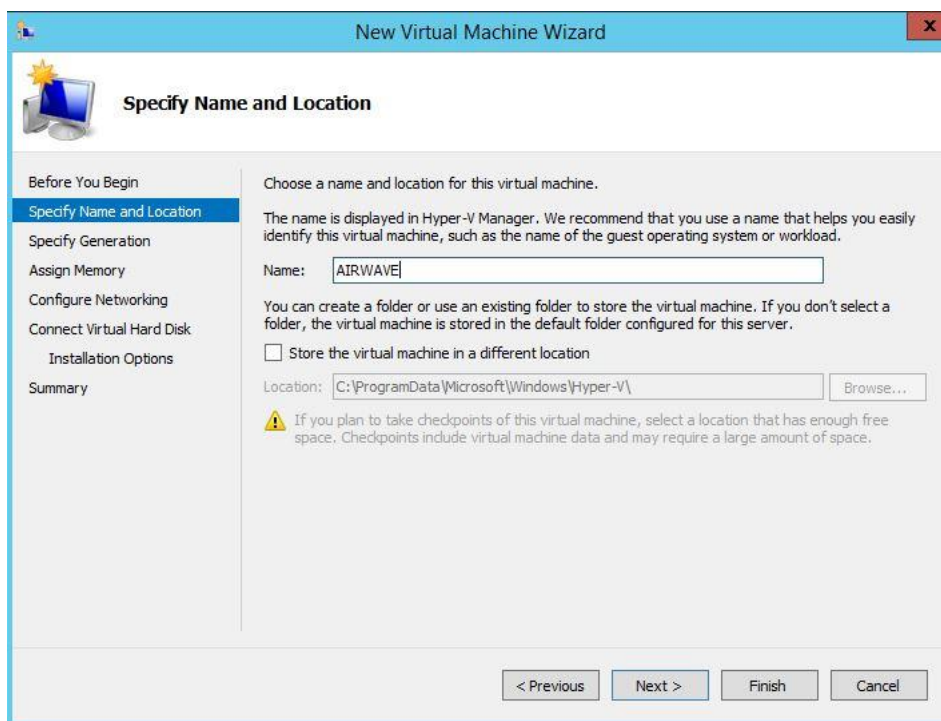


Figure 5: Give it a name

New Virtual Machine Wizard


Specify Generation

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

Choose the generation of this virtual machine.

☒ Generation 1
This virtual machine generation provides the same virtual hardware to the virtual machine as in previous versions of Hyper-V.

☐ Generation 2
This virtual machine generation provides support for features such as Secure Boot, SCSI boot, and PXE boot using a standard network adapter. Guest operating systems must be running at least Windows Server 2012 or 64-bit versions of Windows 8.

 Once a virtual machine has been created, you cannot change its generation.

< Previous Next > Finish Cancel

Figure 6: “Specify Generation” check Generation 1. This is new for 2012 R2, if you are running 2012 Hyper-V, you don’t see this screen.

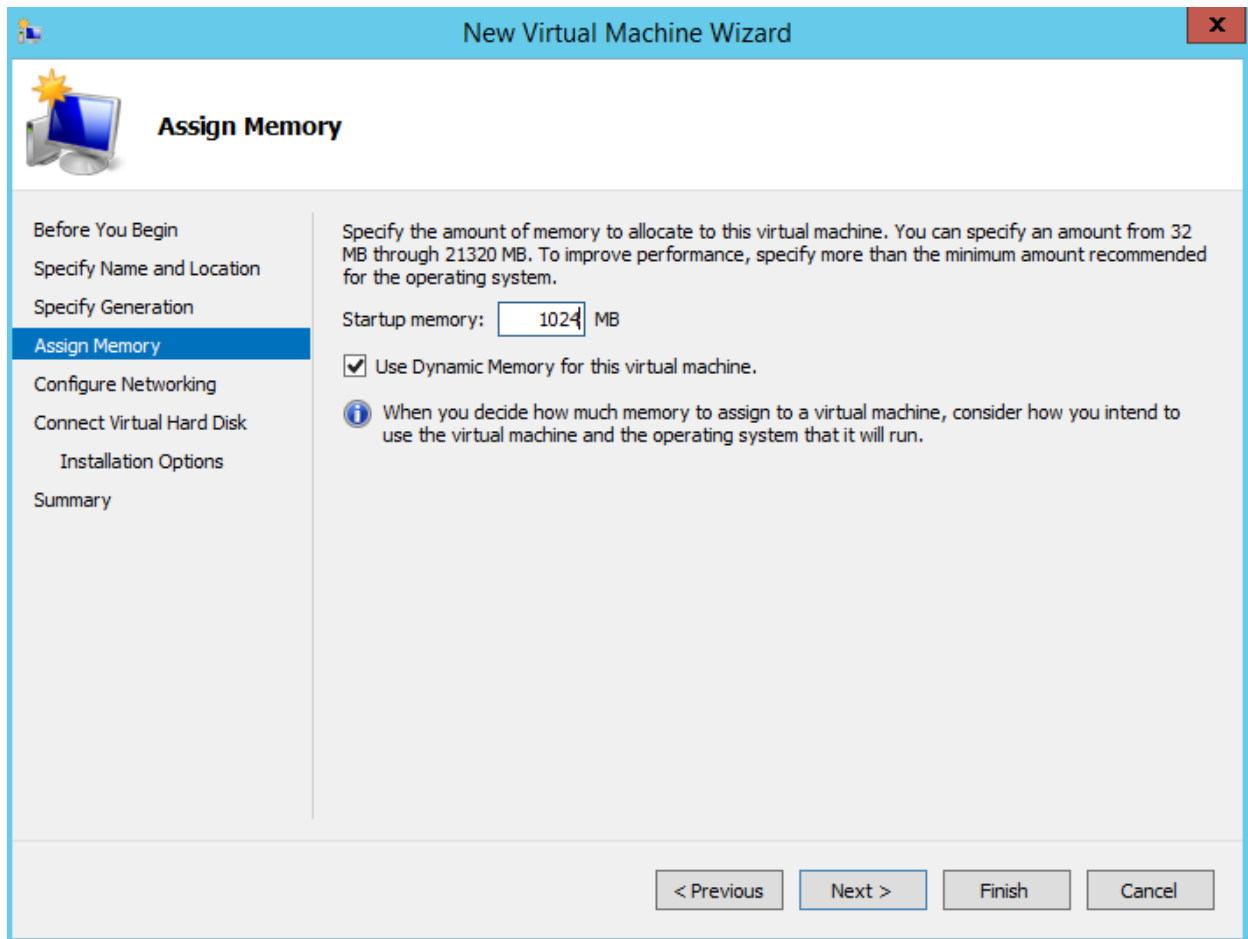


Figure 7: Assign 1024 Mb memory and check "Use Dynamic Memory for this virtual machine." 1024 MB startup will help machine boot faster.

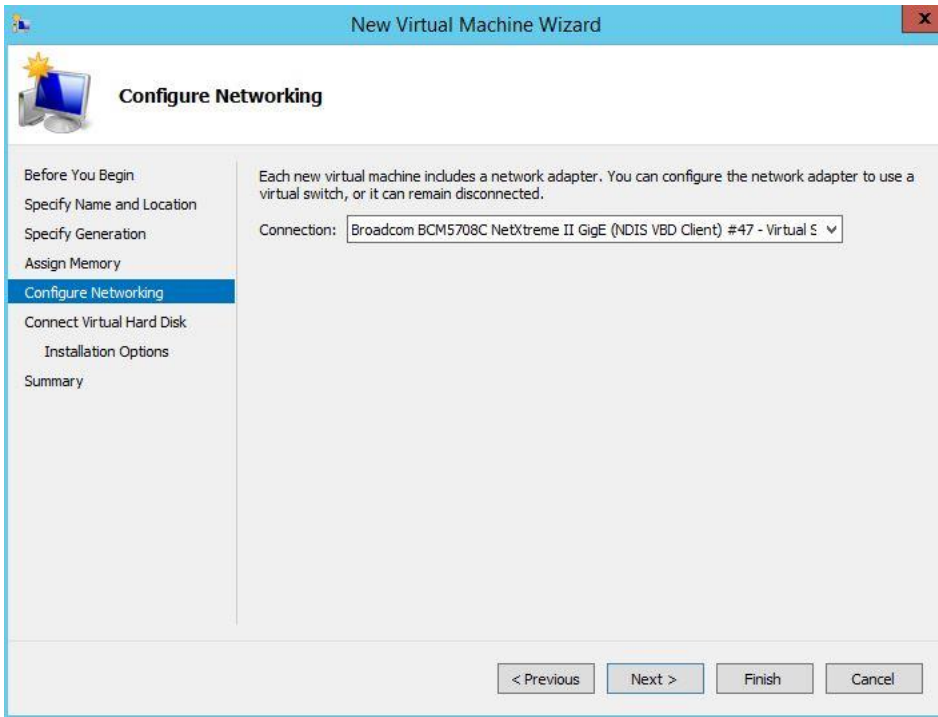


Figure 8: Connect this machine to the Virtual switch that was created earlier in Figure 3. This is where your AMP connects to your network.

New Virtual Machine Wizard

Connect Virtual Hard Disk

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
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 VHDX dynamically expanding virtual hard disk.

Name:

Location:

Size: 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:

☐ 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

Figure 9: Create a Virtual Hard Disk (VHD). Size of VHD depends on your environment. You cannot change this after it creates, so choose the size carefully.

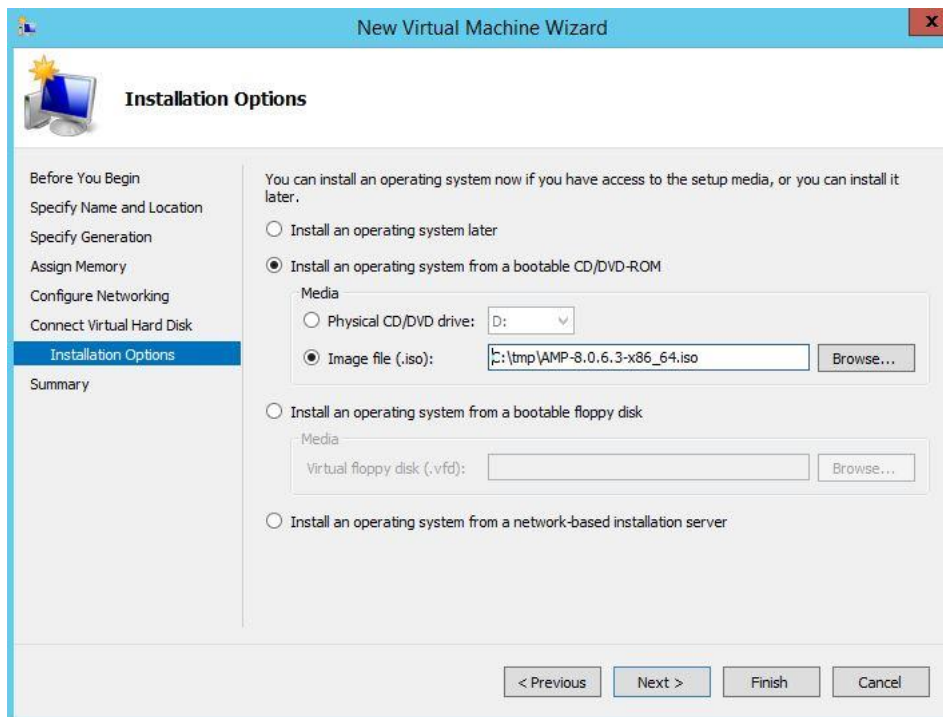


Figure 10: Point your Virtual Machine to an iso image (or physical DVD)

When you click Finish, Hyper-V builds the Virtual Machine.

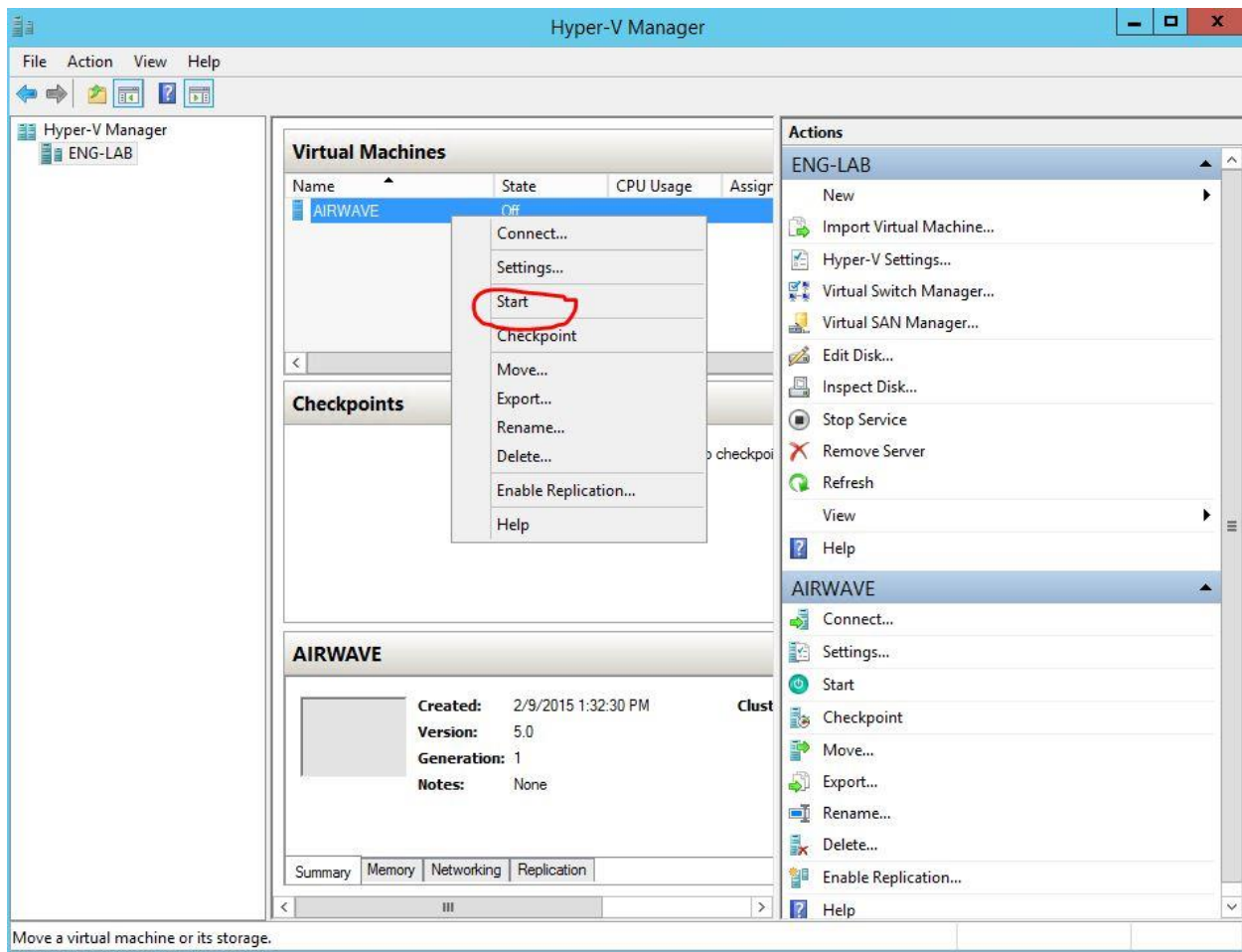


Figure 11: After Hype-V builds the machine, you can start it.

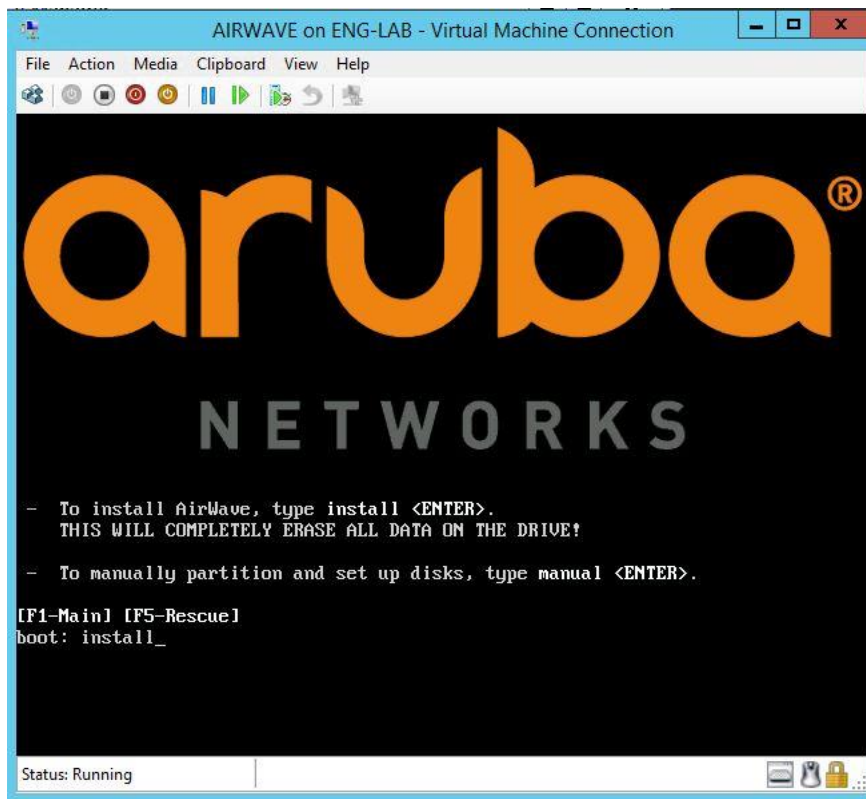


Figure 12: type "install" at the boot prompt, CentOS will start to install

In few minutes installation stops and lets you know that "eth0 is not available". Go back to Hyper-V Manager, click Settings, you need to modify the network settings. All Linux virtual machines are not working with normal Hyper-V NIC, you need to change it to "Legacy Network Adapter"

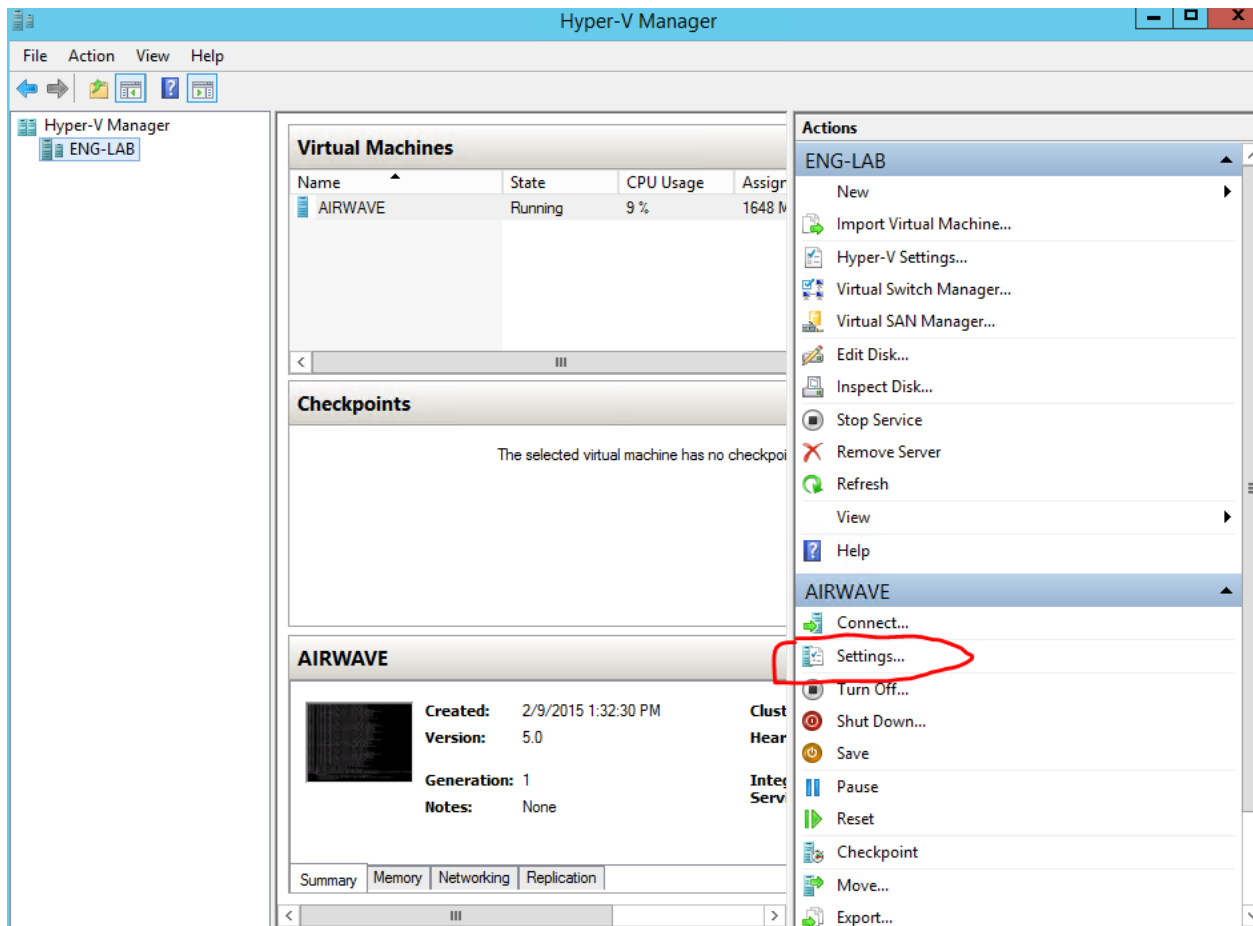


Figure 13: In this screen you can do all settings for your machine. We are going to change Network settings

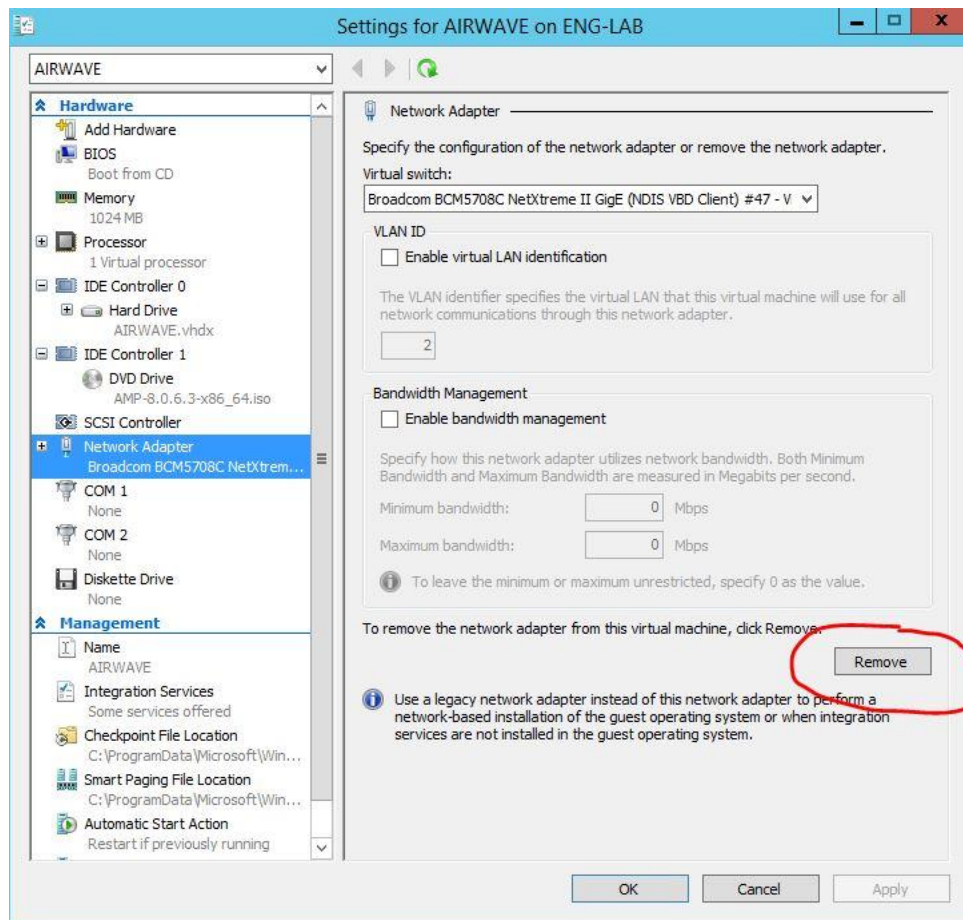


Figure 14: Remove Network Adapter.

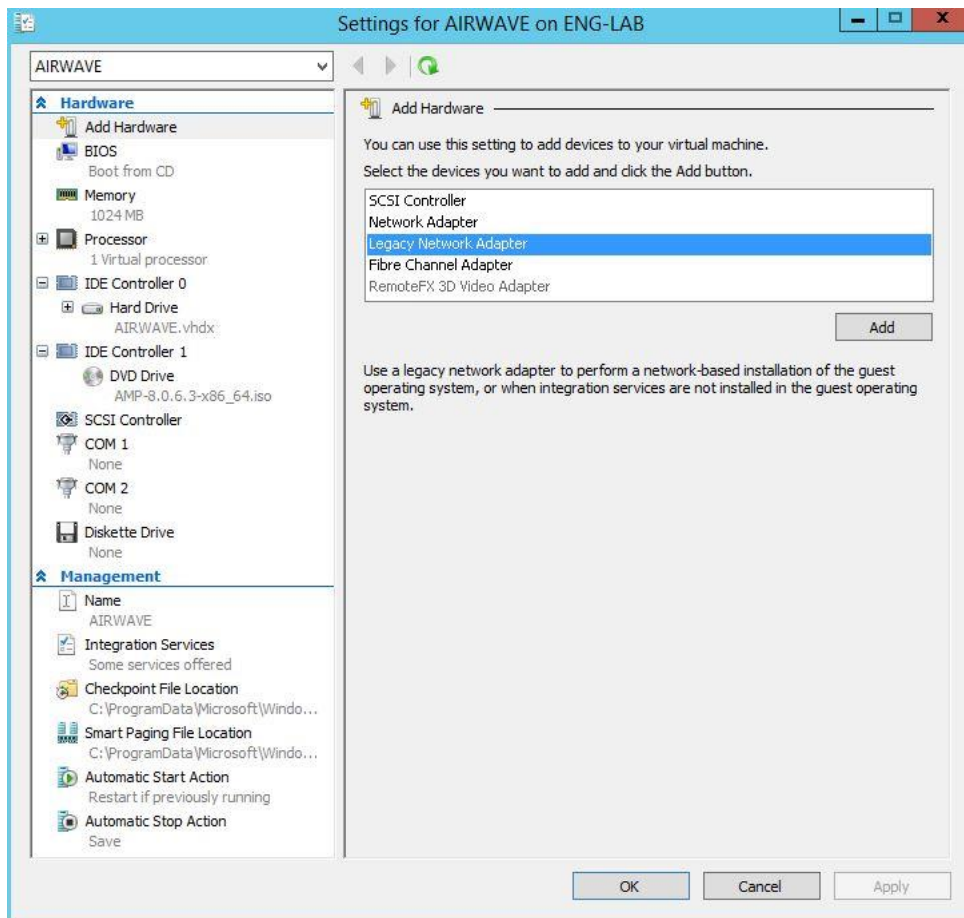


Figure 15: Add "Legacy Network Adapter"

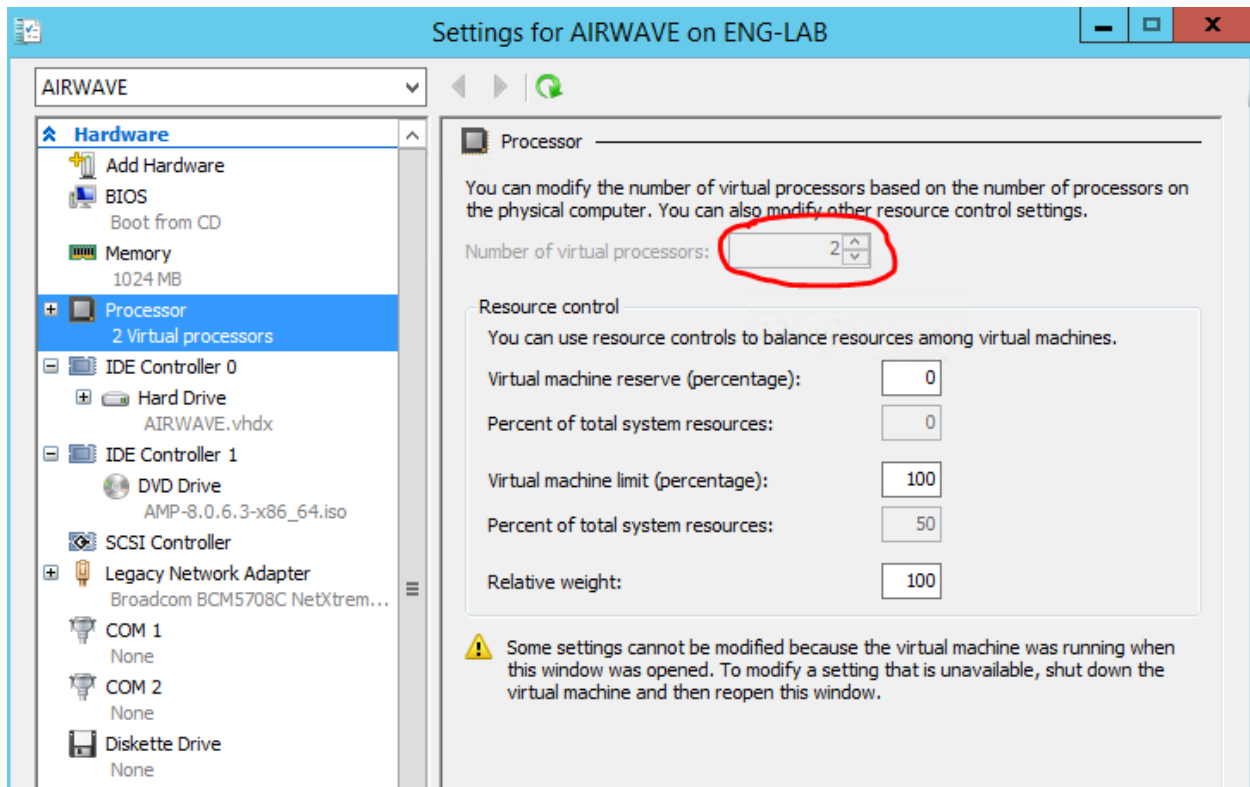


Figure 16: Give AirWave at least 2 proc, check hardware requirement for your environment. You must give this machine 2 proc or more or AMP will fail to install.

This setting can be changed after installation if you require more than 2 proc.

After done with Settings, start AirWave, give 30 minutes for CentOS to install.

After CentOS finishes installation, reboot, and login as “root”, with password “admin” and run ./amp-install

It is a big lie in AMP installation step 3 as it states “This will take a few minutes.” Give it a few hours for installation. When AMP

installation completes, if it hang, just reboot and continue to step 4.

If you watch the installation in details (CTRL-ALT-F9,) you will see errors, warnings, pauses, just be patient and let it works through.

I hope I did not leave out any crucial step that causes the installation to fail.

Let me know if you have any questions or problems. And don't forget to KUDOS!