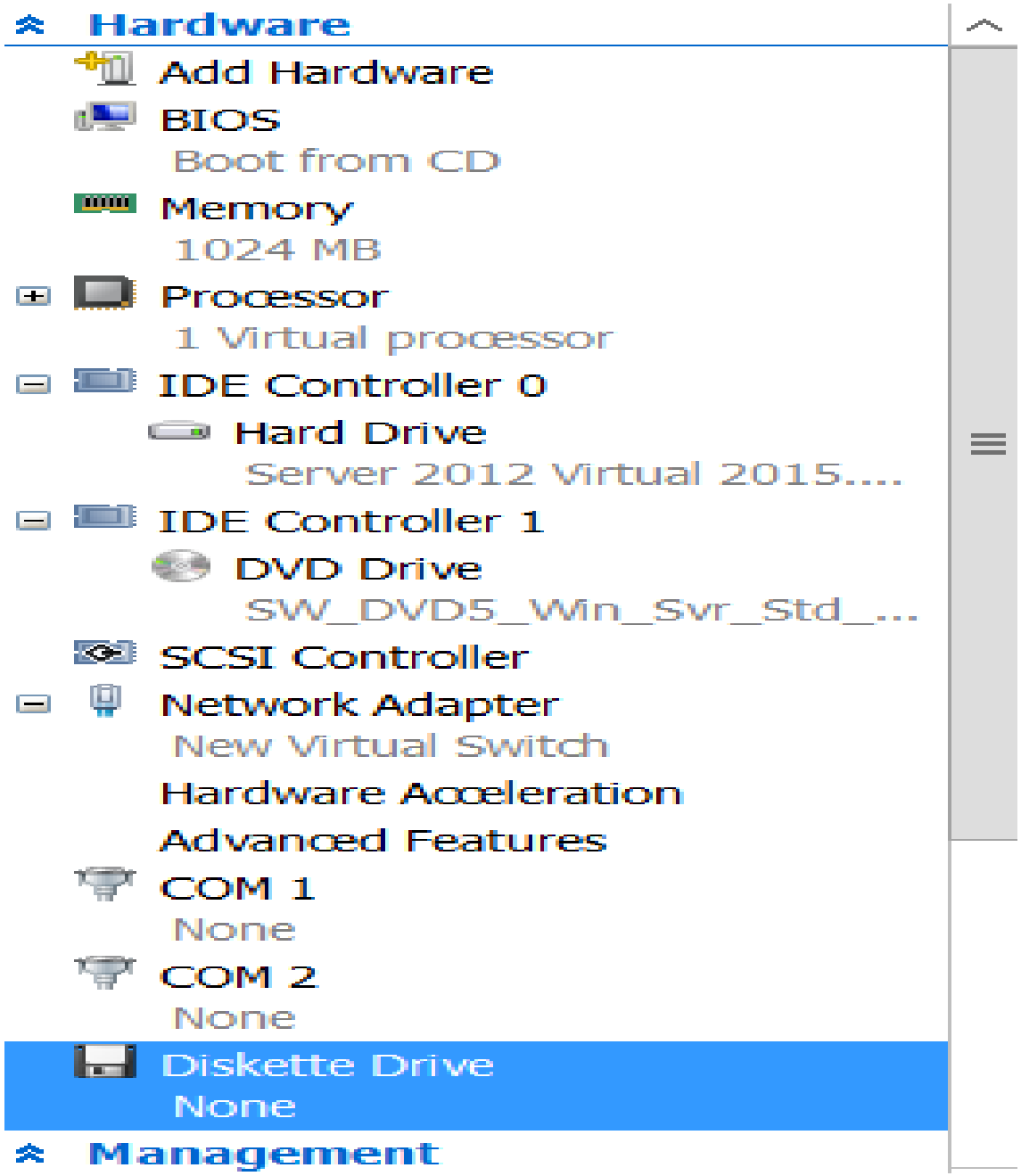
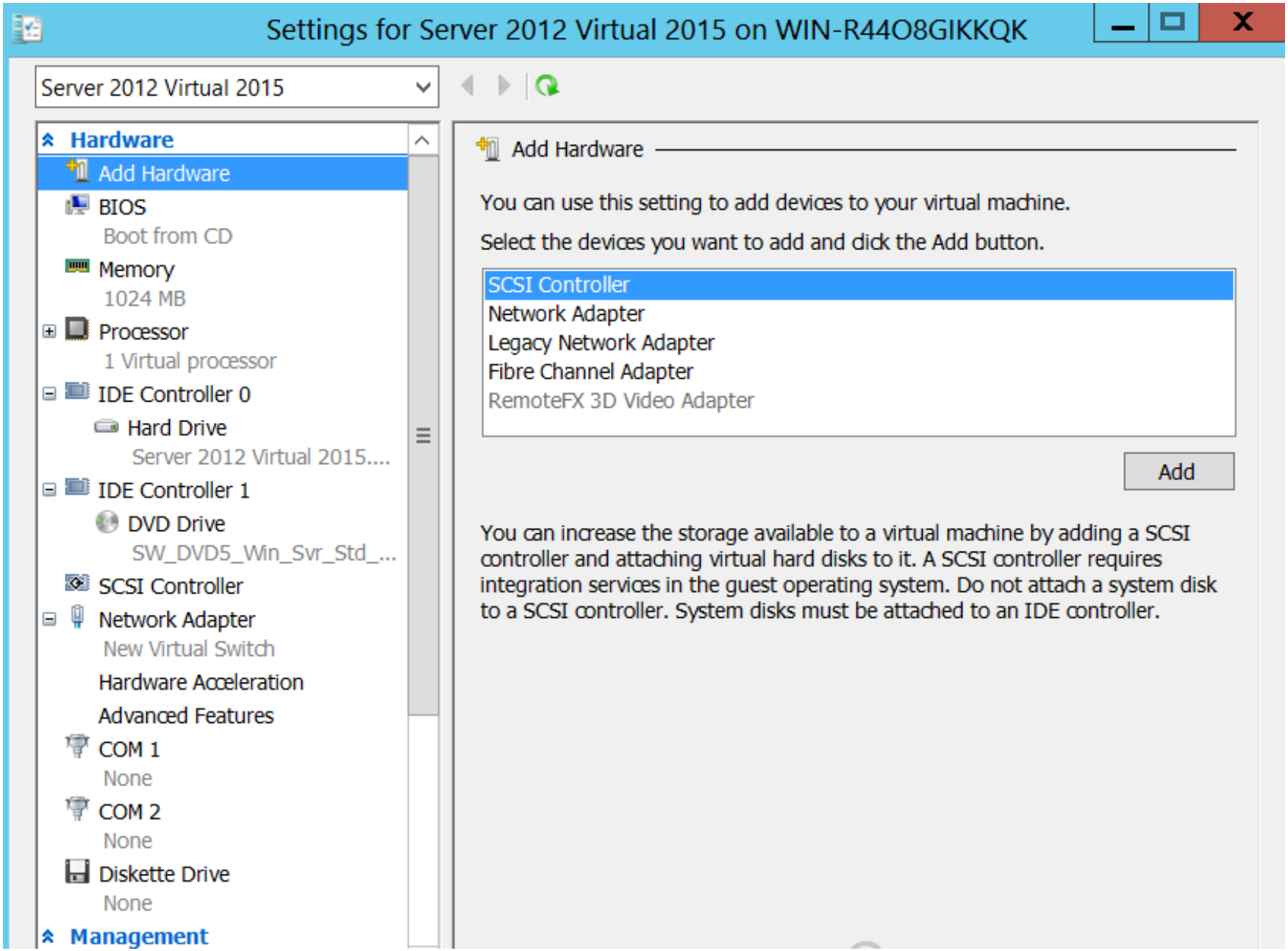
Hyper V Machine Settings

Server 2012


Hardware
Add Hardware
BIOS
Boot from CD
Memory
1024 MB
Processor
1 Virtual processor
IDE Controller 0
Hard Drive
Server 2012 Virtual 2015....
IDE Controller 1
DVD Drive
SW_DVD5_Win_Svr_Std_...
SCSI Controller
Network Adapter
New Virtual Switch
Hardware Acceleration
Advanced Features
COM 1
None
COM 2
None
Diskette Drive
None
Management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Advanced Features
COM 1
None
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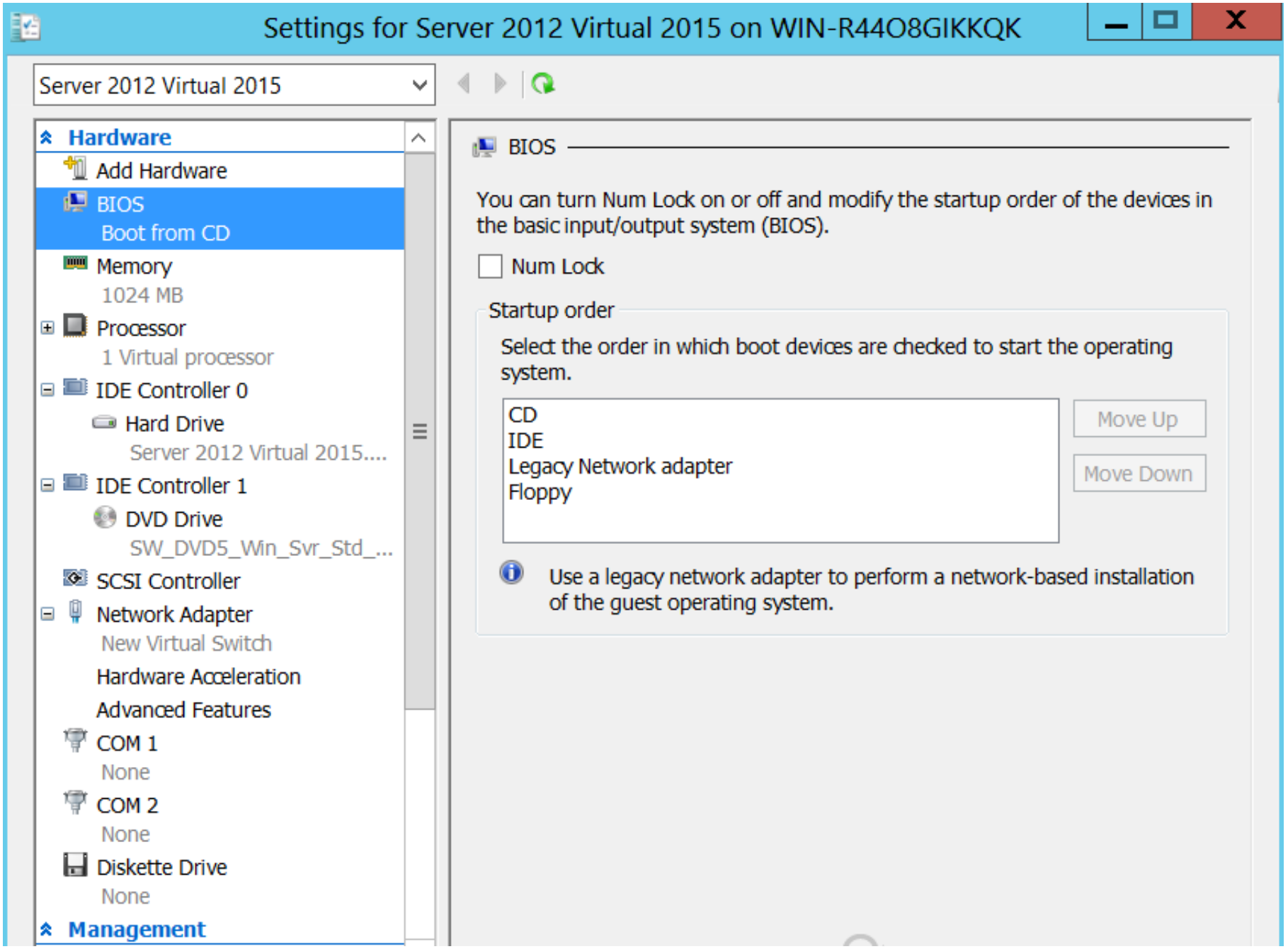
None
Diskette Drive
None
Management
Add Hardware
You can use this setting to add devices to your virtual machine.
Select the devices you want to add and dick the Add button.
SCSI Controller
Network Adapter
Legacy Network Adapter
Fibre Channel Adapter
RemoteFX 3D Video Adapter
Add
You can increase the storage available to a virtual machine by adding a SCSI controller and attaching virtual hard disks to it. A SCSI controller requires integration services in the guest operating system. Do not attach a system disk to a SCSI controller. System disks must be attached to an IDE controller.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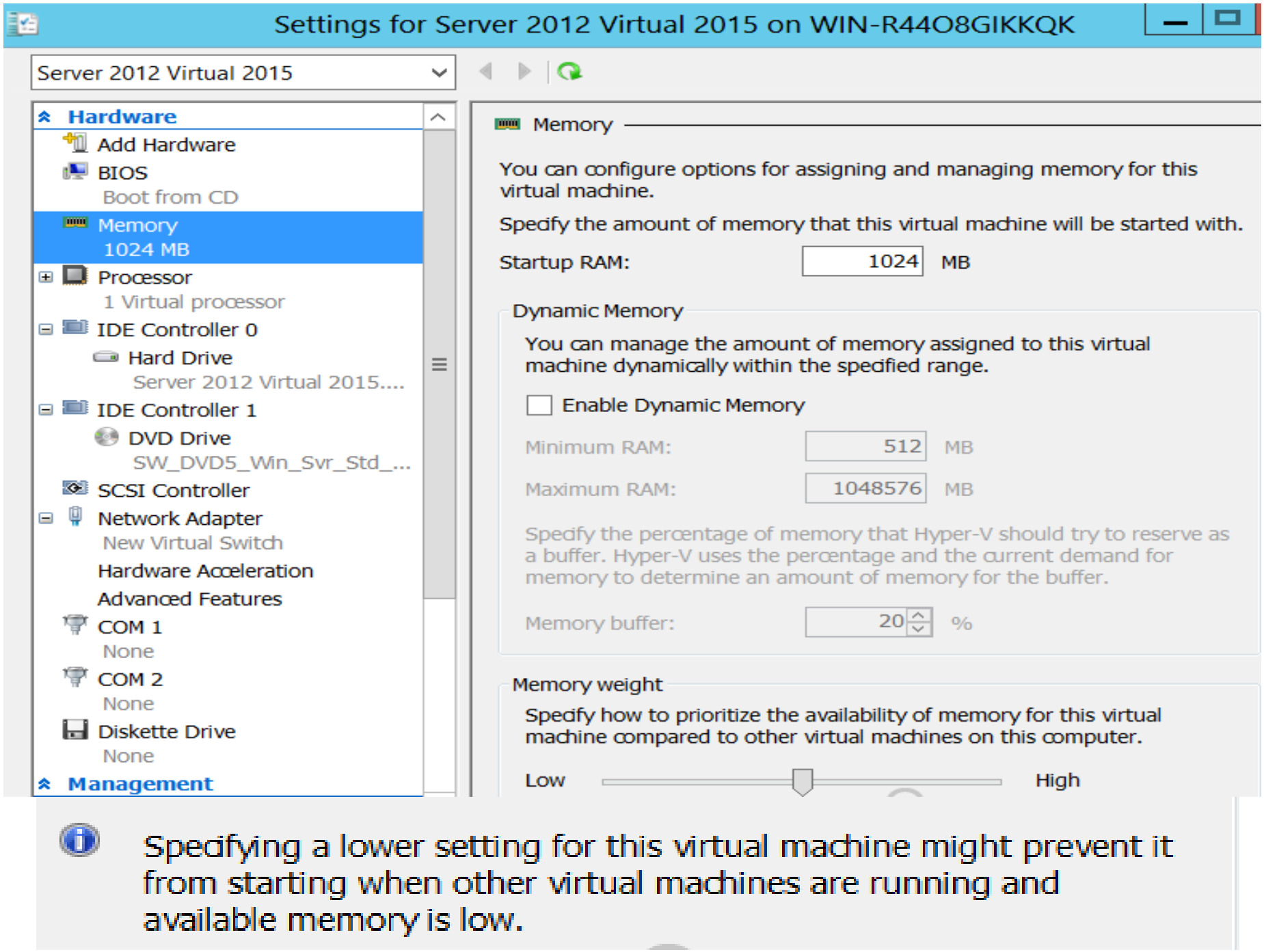
Diskette Drive
None
Management
BIOS
You can turn Num Lock on or off and modify the startup order of the devices in the basic input/output system (BIOS).
Num Lock
Startup order
Select the order in which boot devices are checked to start the operating system.
CD
IDE
Legacy Network adapter
Floppy
Move Up
Move Down
Use a legacy network adapter to perform a network-based installation of the guest operating system.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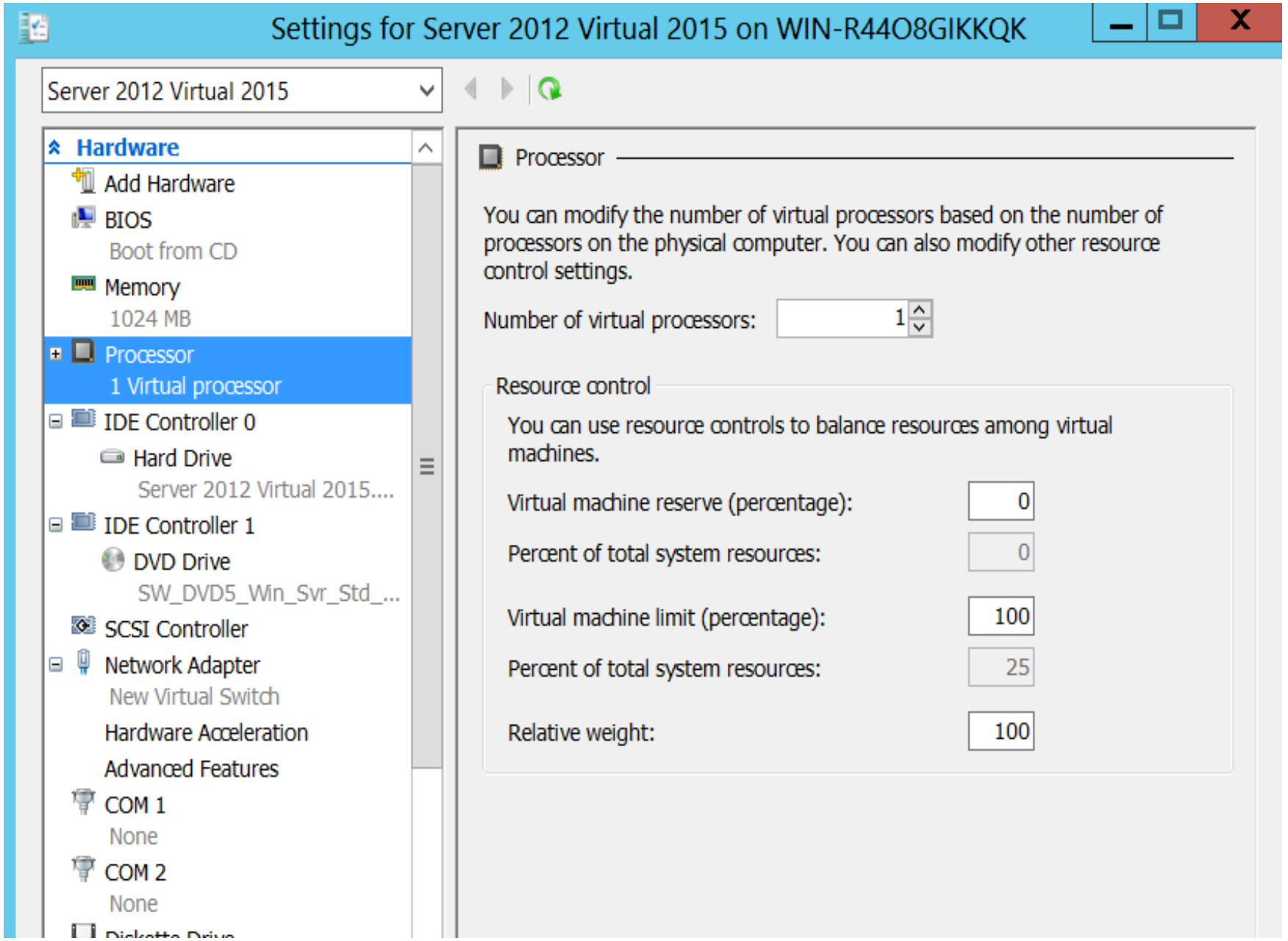
COM 2
None
Diskette Drive
None
Management
Memory
You can configure options for assigning and managing memory for this virtual machine.
Specify the amount of memory that this virtual machine will be started with.
Startup RAM:
1024
MB
Dynamic Memory
You can manage the amount of memory assigned to this virtual machine dynamically within the specified range.
Enable Dynamic Memory
Minimum RAM:
512
MB
Maximum RAM:
1048576
MB
Specify the percentage of memory that Hyper-V should try to reserve as a buffer. Hyper-V uses the percentage and the current demand for memory to determine an amount of memory for the buffer.
Memory buffer:
20
%
Memory weight
Specify how to prioritize the availability of memory for this virtual machine compared to other virtual machines on this computer.
Low
High
Specifying a lower setting for this virtual machine might prevent it from starting when other virtual machines are running and available memory is low.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None
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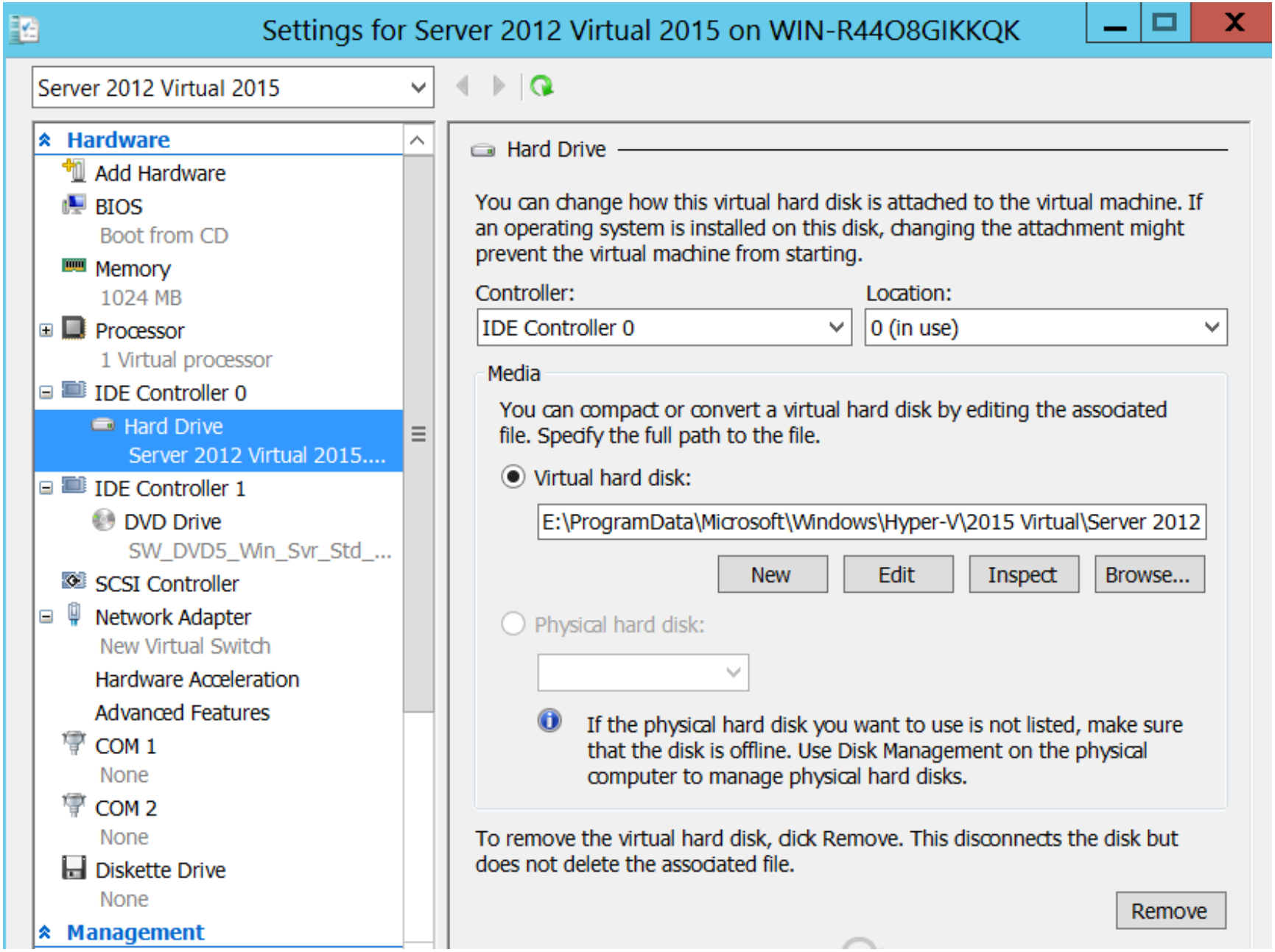
None
Processor
You can modify the number of virtual processors based on the number of processors on the physical computer. You can also modify other resource control settings.
Number of virtual processors:
1
Resource control
You can use resource controls to balance resources among virtual machines.
Virtual machine reserve (percentage):
0
Percent of total system resources:
0
Virtual machine limit (percentage):
100
Percent of total system resources:
25
Relative weight:
100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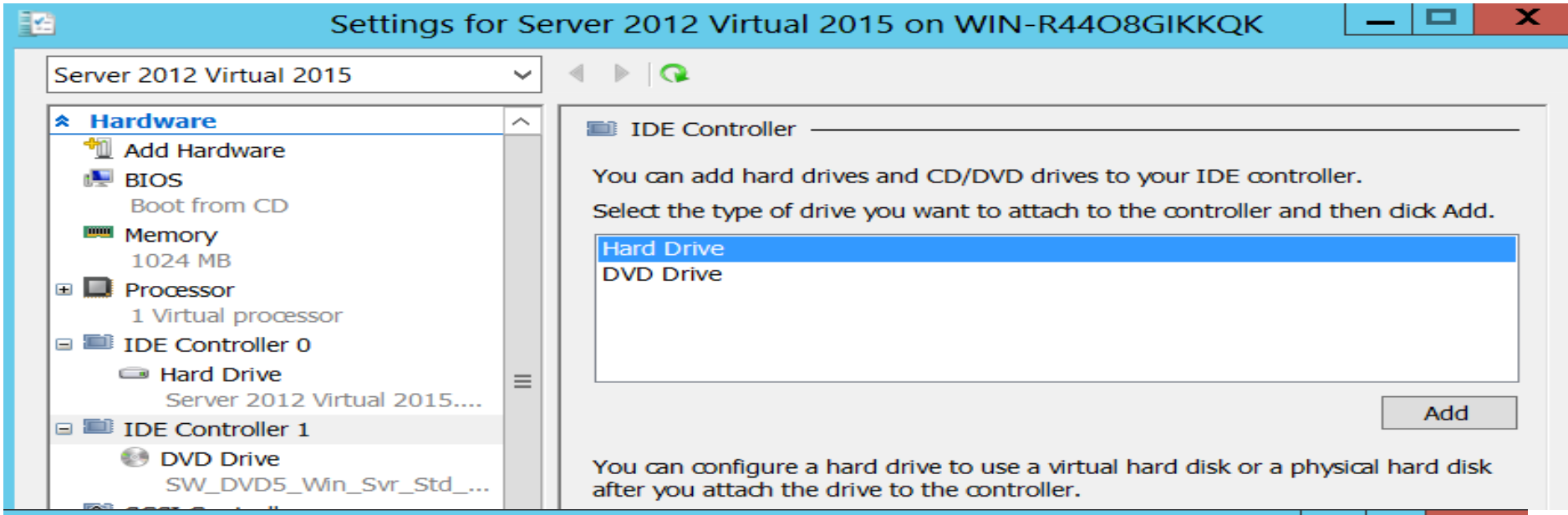
None
COM 2
None
Diskette Drive
None
Management
Hard Drive
You can change how this virtual hard disk is attached to the virtual machine. If an operating system is installed on this disk, changing the attachment might prevent the virtual machine from starting.
Controller:
IDE Controller 0
Location:
0 (in use)
Media
You can compact or convert a virtual hard disk by editing the associated file. Specify the full path to the file.
Virtual hard disk:
E:\ProgramData\Microsoft\Windows\Hyper-V\2015 Virtual\Server 2012
New
Edit
Inspect
Browse...
Physical hard disk:
If the physical hard disk you want to use is not listed, make sure that the disk is offline. Use Disk Management on the physical computer to manage physical hard disks.
To remove the virtual hard disk, dick Remove. This disconnects the disk but does not delete the associated file.
Remove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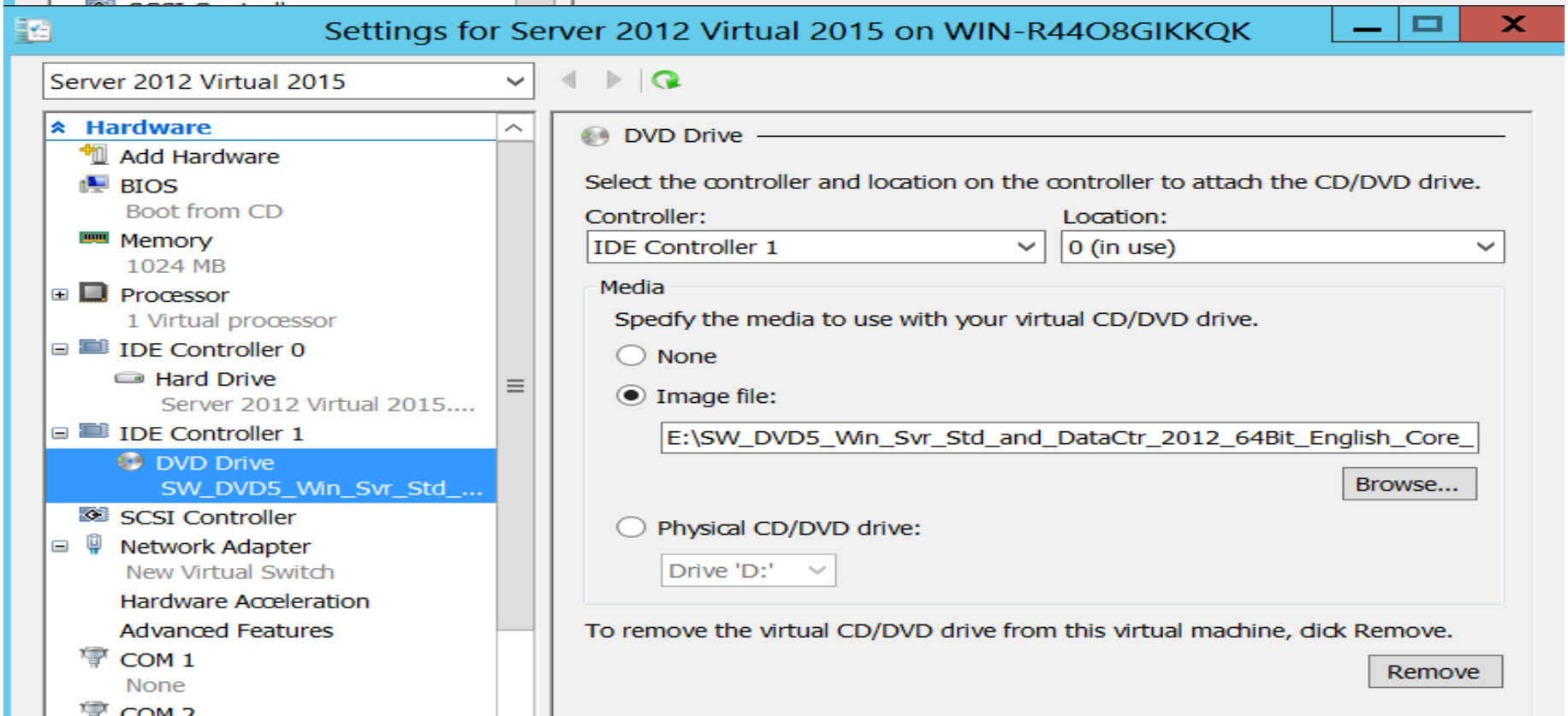
IDE Controller
You can add hard drives and CD/DVD drives to your IDE controller.
Select the type of drive you want to attach to the controller and then dick Add.
Hard Drive
DVD Drive
Add
You can configure a hard drive to use a virtual hard disk or a physical hard disk after you attach the drive to the controller.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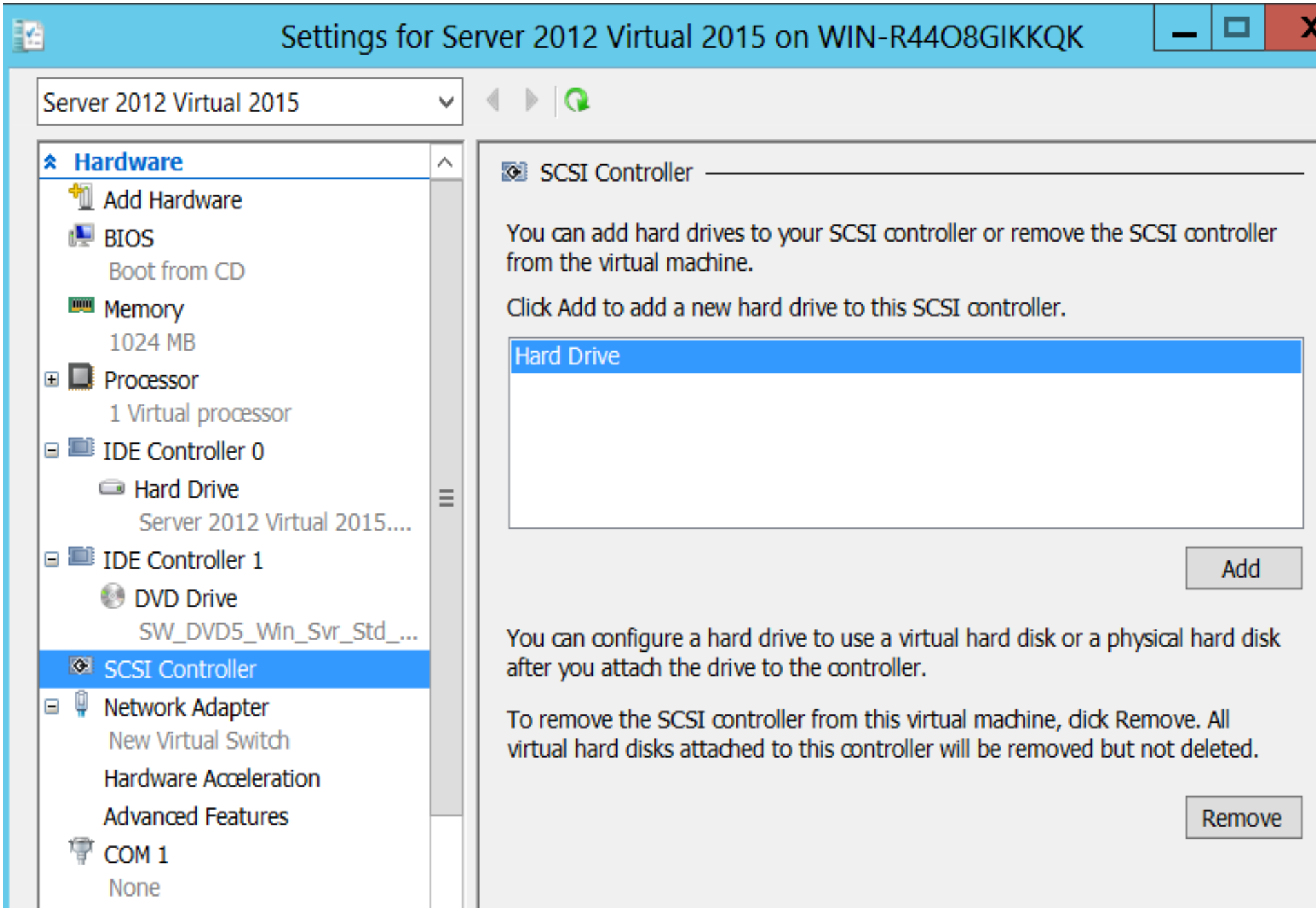
Advanced Features
COM 1
None
DVD Drive
Select the controller and location on the controller to attach the CD/DVD drive.
Controller:
IDE Controller 1
Location:
0 (in use)
Media
Specify the media to use with your virtual CD/DVD drive.
None
Image file:
E:\SW_DVD5_Win_Svr_Std_and_DataCtr_2012_64Bit_English_Core_
Browse...
Physical CD/DVD drive:
Drive 'D:'
To remove the virtual CD/DVD drive from this virtual machine, dick Remove.
Remove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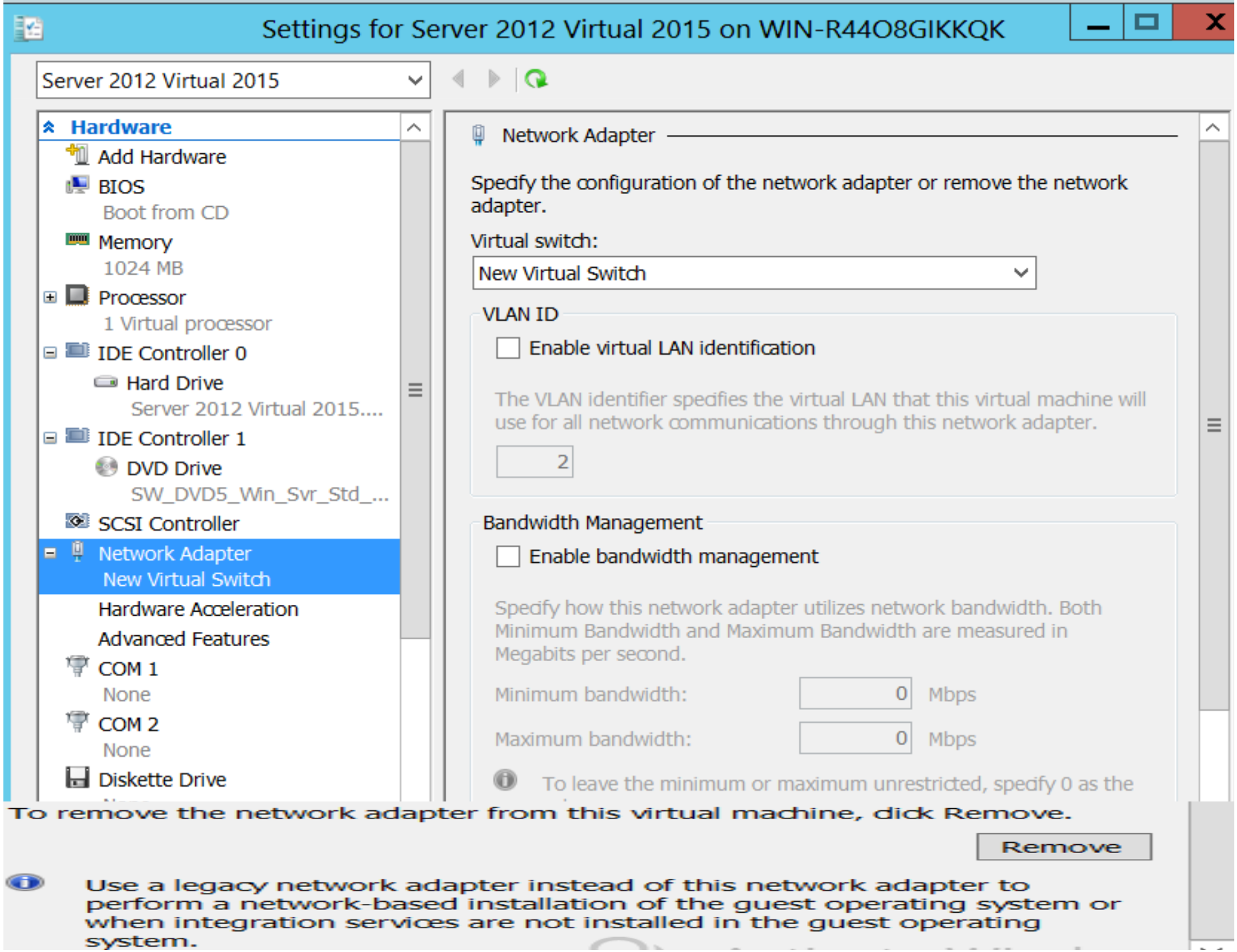
Advanced Features
COM 1
None
SCSI Controller
You can add hard drives to your SCSI controller or remove the SCSI controller from the virtual machine.
Click Add to add a new hard drive to this SCSI controller.
Hard Drive
Add
You can configure a hard drive to use a virtual hard disk or a physical hard disk after you attach the drive to the controller.
To remove the SCSI controller from this virtual machine, dick Remove. All virtual hard disks attached to this controller will be removed but not deleted.
Remove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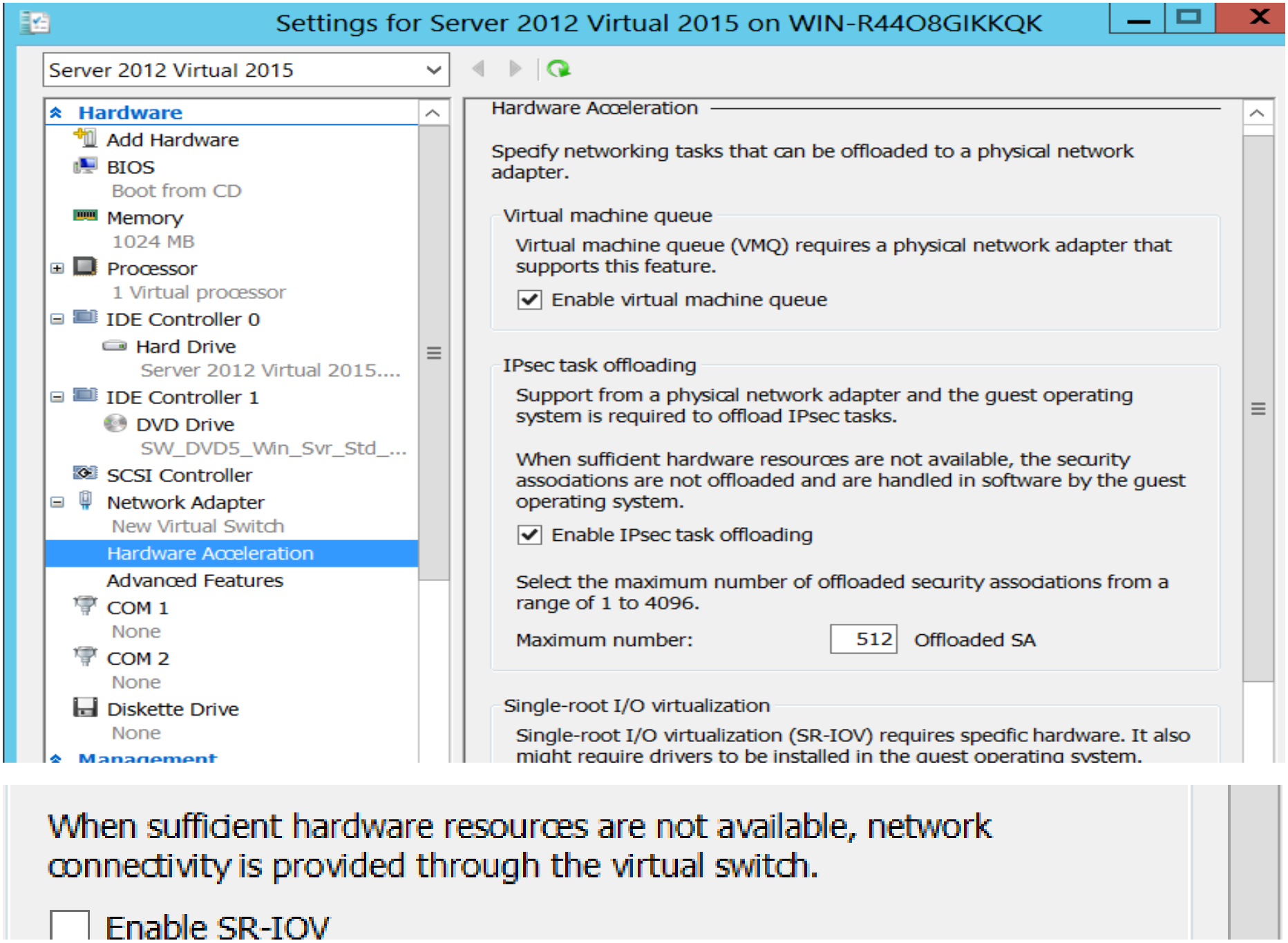
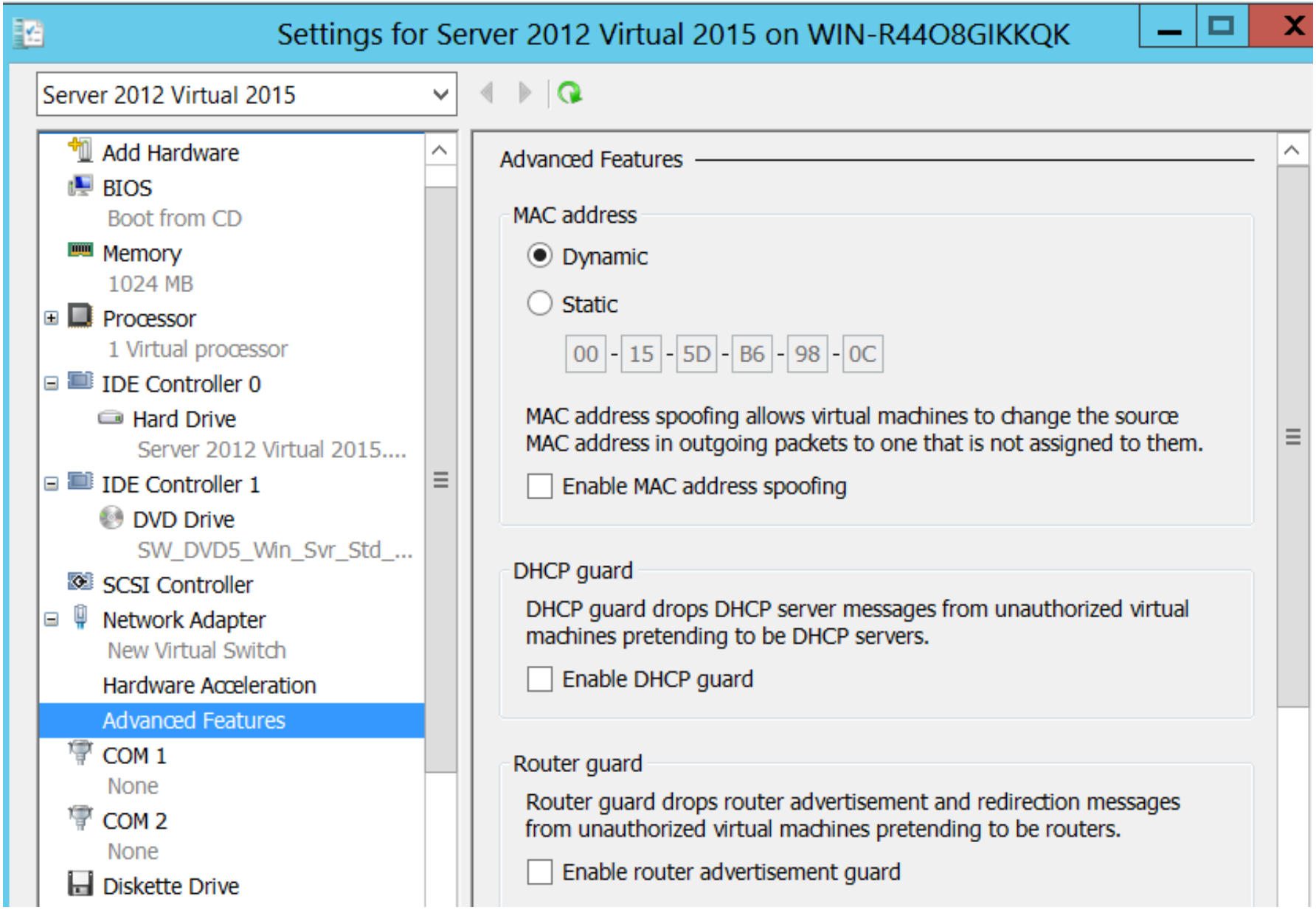
COM 1
None
COM 2
None
Diskette Drive
Network Adapter
Specify the configuration of the network adapter or remove the network adapter.
Virtual switch:
New Virtual Switch
VLAN ID
Enable virtual LAN identification
The VLAN identifier specifies the virtual LAN that this virtual machine will use for all network communications through this network adapter.
2
Bandwidth Management
Enable bandwidth management
Specify how this network adapter utilizes network bandwidth. Both Minimum Bandwidth and Maximum Bandwidth are measured in Megabits per second.
Minimum bandwidth:
0
Mbps
Maximum bandwidth:
0
Mbps
To leave the minimum or maximum unrestricted, specify 0 as the
To remove the network adapter from this virtual machine, dick Remove.
Remove
Use a legacy network adapter instead of this network adapter to perform a network-based installation of the guest operating system or when integration services are not installed in the guest operating system.



When sufficient hardware resources are not available, network connectivity is provided through the virtual switch.

☐ Enable SR-IOV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Advanced Features
COM 1
None
COM 2
None
Diskette Drive
Advanced Features
MAC address
Dynamic
Static
00 - 15 - 5D - B6 - 98 - 0C
MAC address spoofing allows virtual machines to change the source MAC address in outgoing packets to one that is not assigned to them.
Enable MAC address spoofing
DHCP guard
DHCP guard drops DHCP server messages from unauthorized virtual machines pretending to be DHCP servers.
Enable DHCP guard
Router guard
Router guard drops router advertisement and redirection messages from unauthorized virtual machines pretending to be routers.
Enable router advertisement guard

Port mirroring

Port mirroring allows the network traffic of a virtual machine to be monitored by copying incoming and outgoing packets and forwarding the copies to another virtual machine configured for monitoring.

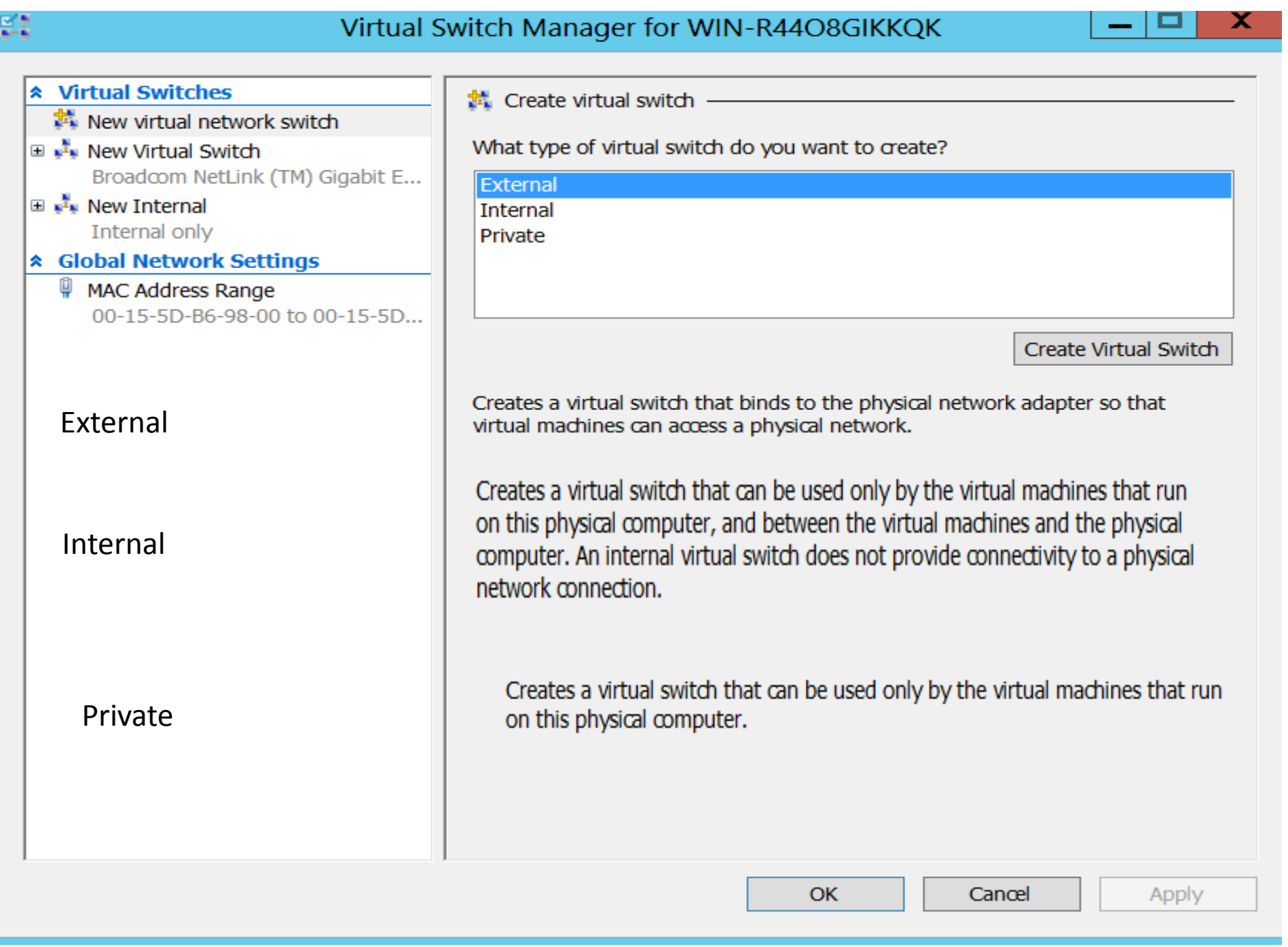
Mirroring mode: None

NIC Teaming

You can establish NIC Teaming in the guest operating system to aggregate bandwidth and provide redundancy. This is useful if teaming is not configured in the management operating system.

☐ Enable this network adapter to be part of a team in the guest operating system

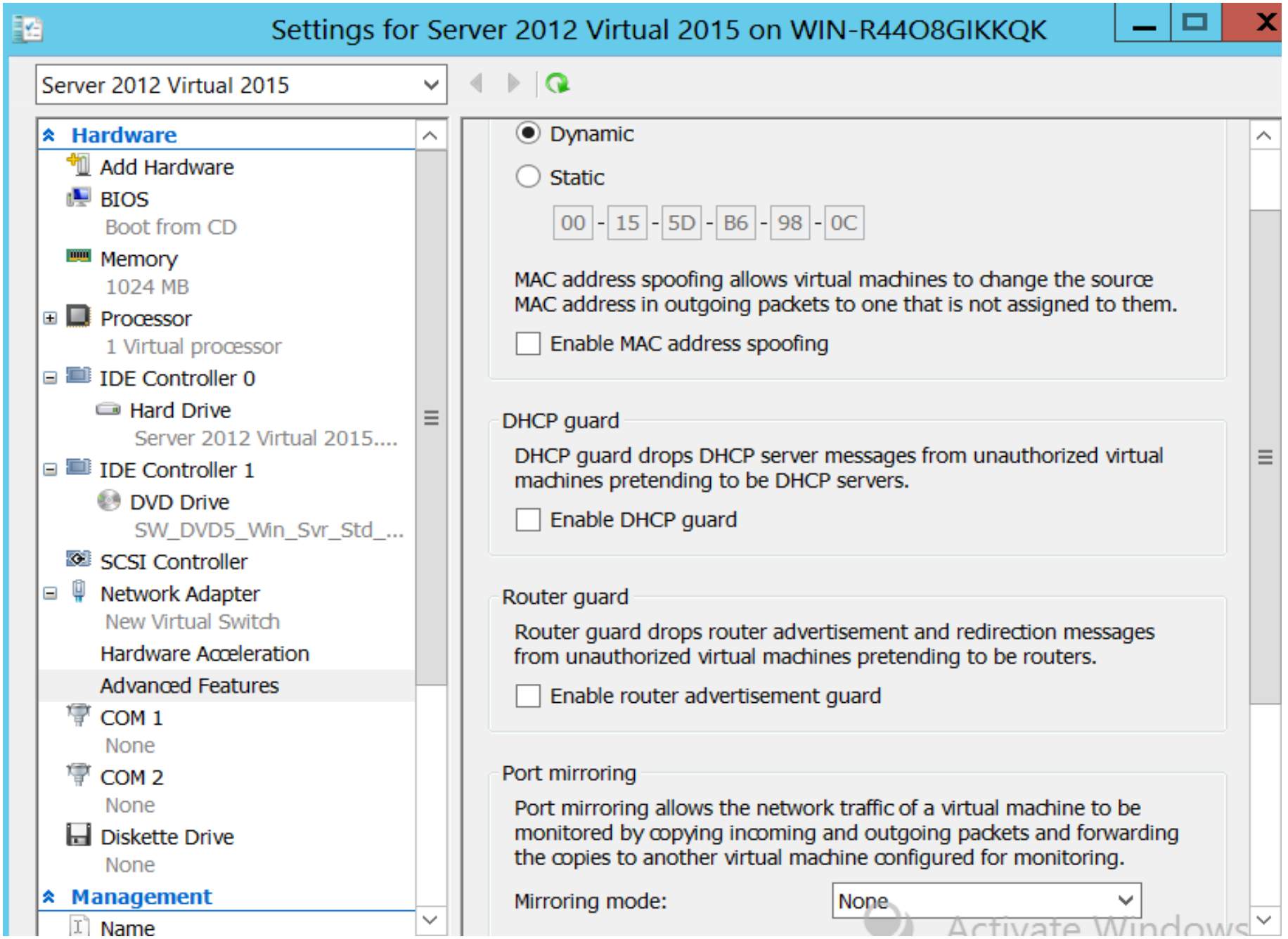
When this option is cleared, a team created in the guest operating system will lose connectivity if one of the physical network adapters stops working.



External

Internal

Private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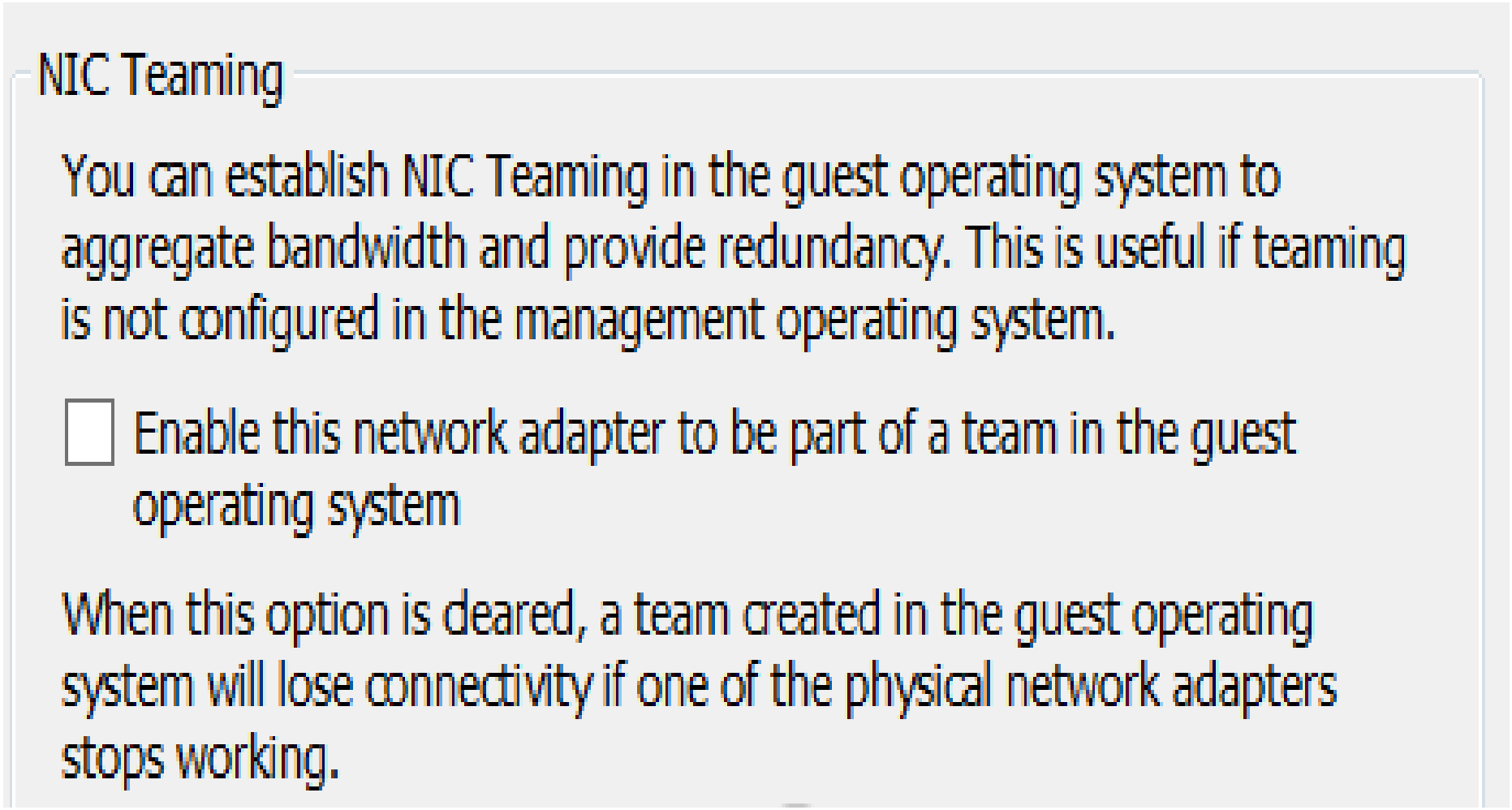
COM 2
None
Diskette Drive
None
Management
Name
Dynamic
Static
00 - 15 - 5D - B6 - 98 - 0C
MAC address spoofing allows virtual machines to change the source MAC address in outgoing packets to one that is not assigned to them.
Enable MAC address spoofing
DHCP guard
DHCP guard drops DHCP server messages from unauthorized virtual machines pretending to be DHCP servers.
Enable DHCP guard
Router guard
Router guard drops router advertisement and redirection messages from unauthorized virtual machines pretending to be routers.
Enable router advertisement guard
Port mirroring
Port mirroring allows the network traffic of a virtual machine to be monitored by copying incoming and outgoing packets and forwarding the copies to another virtual machine configured for monitoring.
Mirroring mode:
None


NIC Teaming
You can establish NIC Teaming in the guest operating system to aggregate bandwidth and provide redundancy. This is useful if teaming is not configured in the management operating system.
Enable this network adapter to be part of a team in the guest operating system
When this option is cleared, a team created in the guest operating system will lose connectivity if one of the physical network adapters stops working.