

Implementing High Availability in Windows Server 2016

INTRODUCTION



Greg Shields

AUTHOR EVANGELIST

@concentratdgreg www.pluralsight.com





Introduction



What This Course Covers



Implement high availability and disaster recovery options in Hyper-V

Implement failover clustering

Manage failover clustering

Implement Storage Spaces Direct

Manage VM movement in clustered nodes

Implement NLB



If You're
Following
Along



If You're
Following
Along

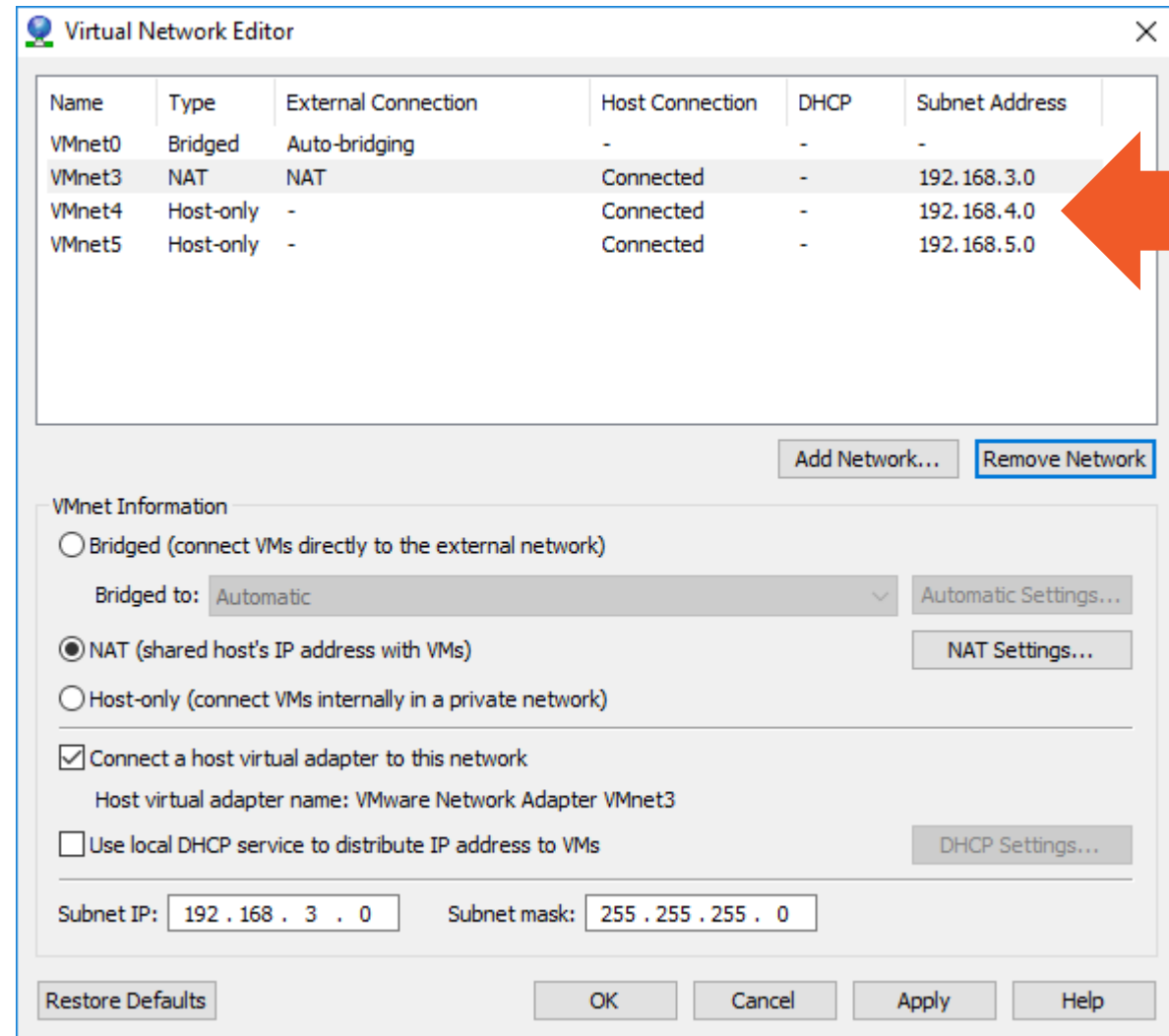
vmnet3 - 192.168.3.0/24

vmnet4 - 192.168.4.0/24

vmnet5 - 192.168.5.0/24



If You're
Following
Along



If You're
Following
Along

NAT Settings

Network: vmnet3
Subnet IP: 192.168.3.0
Subnet mask: 255.255.255.0
Gateway IP: 192.168.3.2

Port Forwarding

Host Port	Type	Virtual Machine IP Address	Description
-----------	------	----------------------------	-------------

Add... Remove Properties

Advanced

☒ Allow active FTP
☒ Allow any Organizationally Unique Identifier

UDP timeout (in seconds): 30
Config port: 0

☐ Enable IPv6
IPv6 prefix: fd15:4ba5:5a2b:1003::/64

DNS Settings... NetBIOS Settings...

OK Cancel Help



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

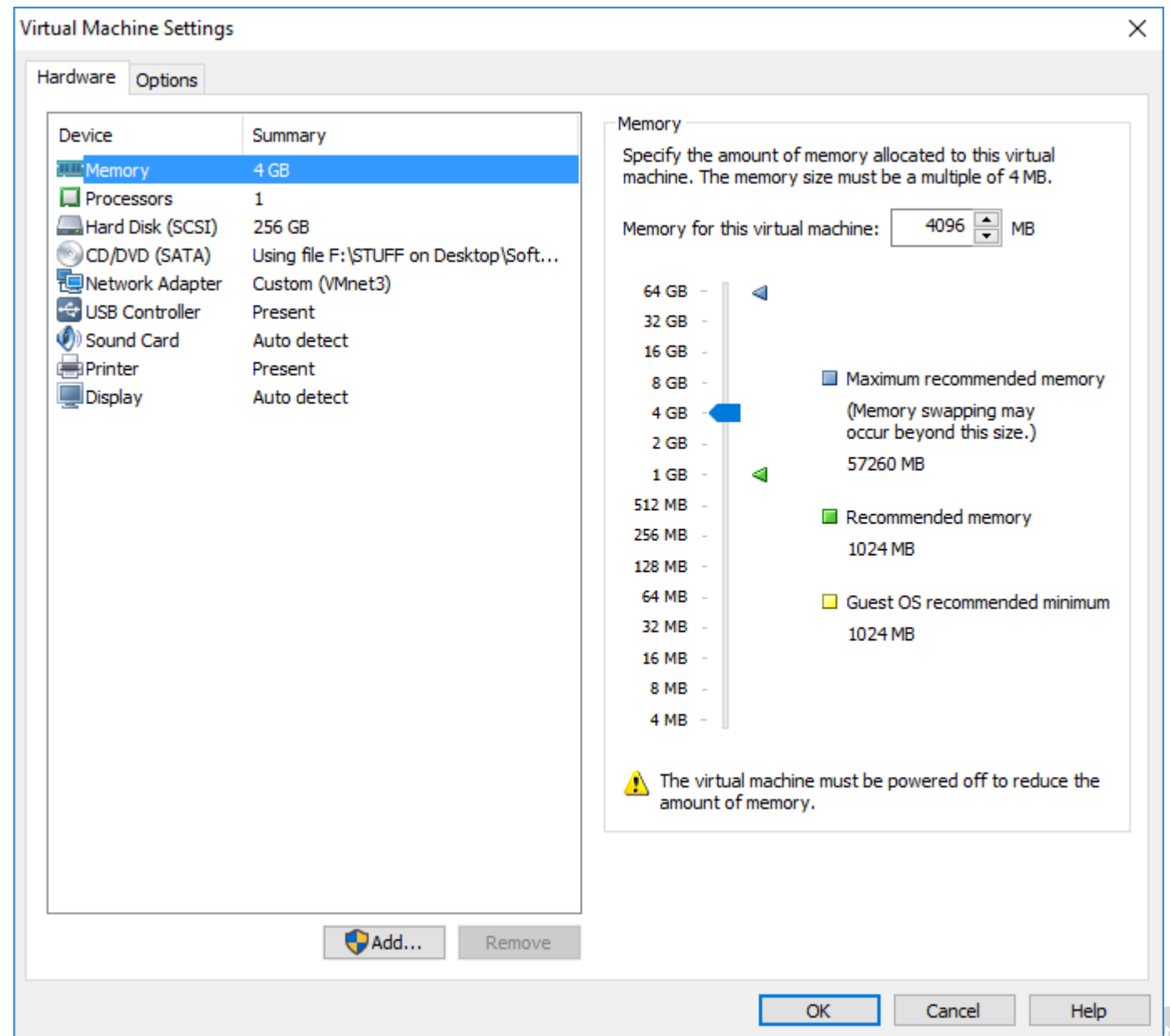
Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

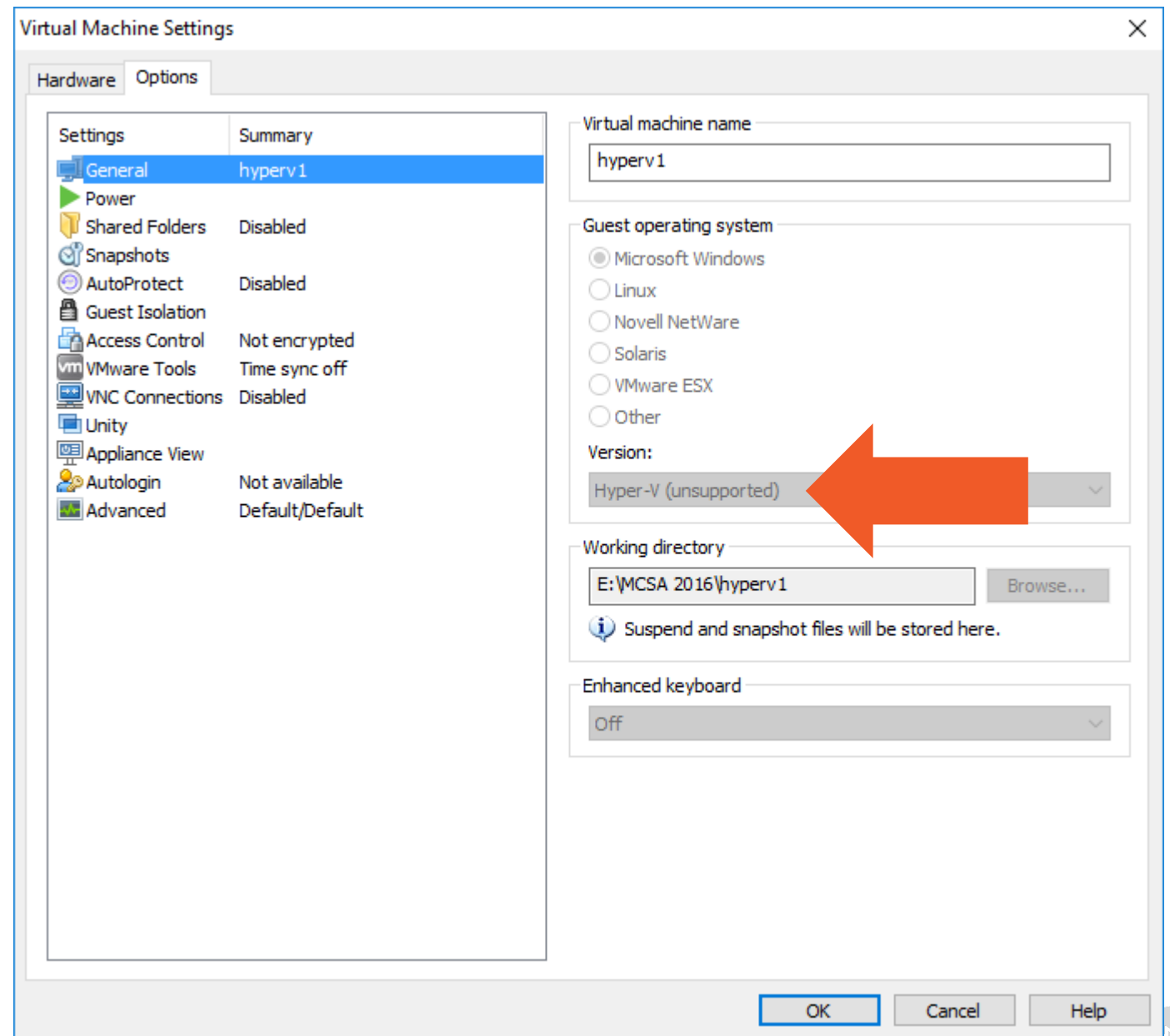
Build NLB1, NLB2



If You're
Following
Along



If You're
Following
Along



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

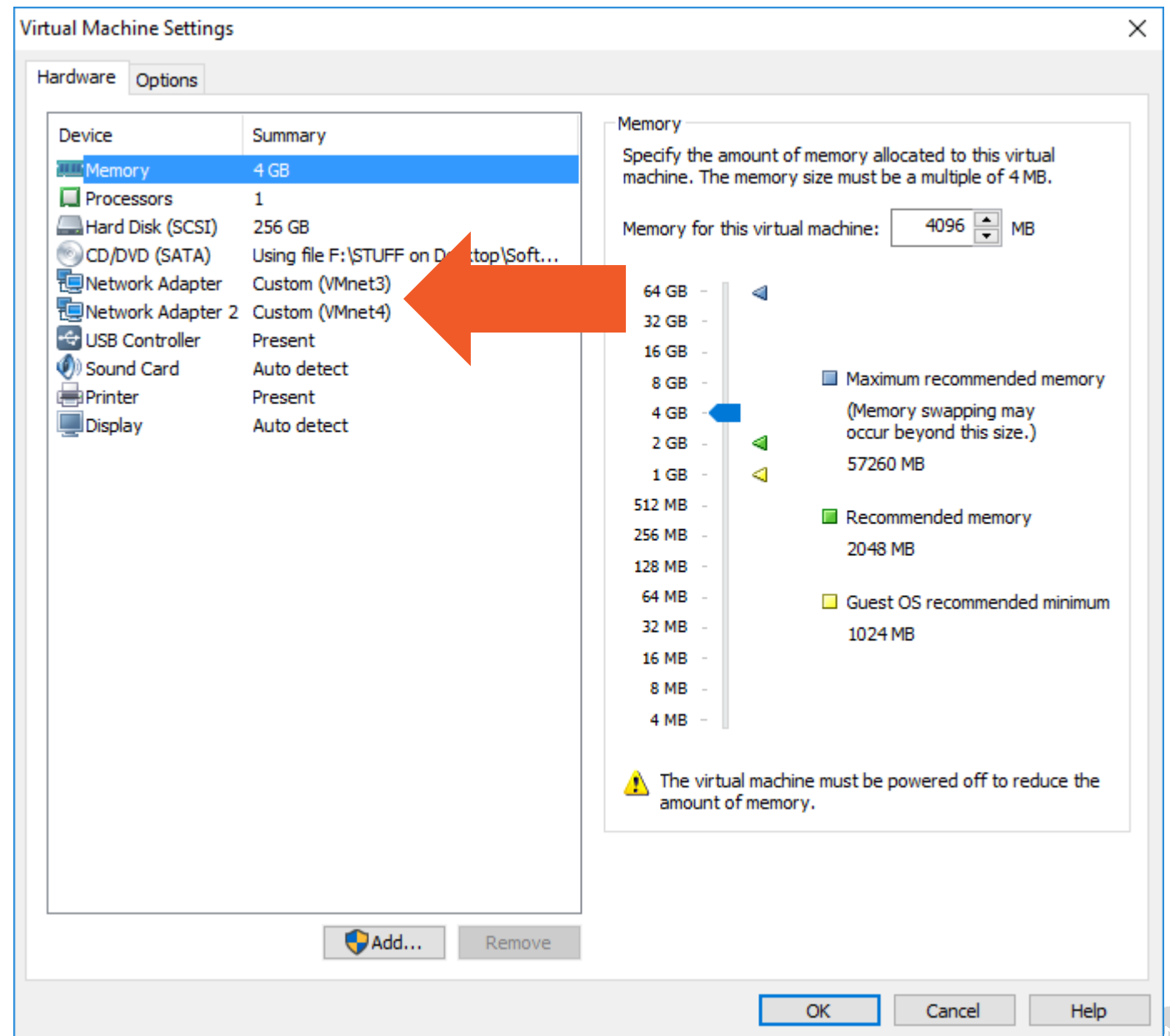
Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

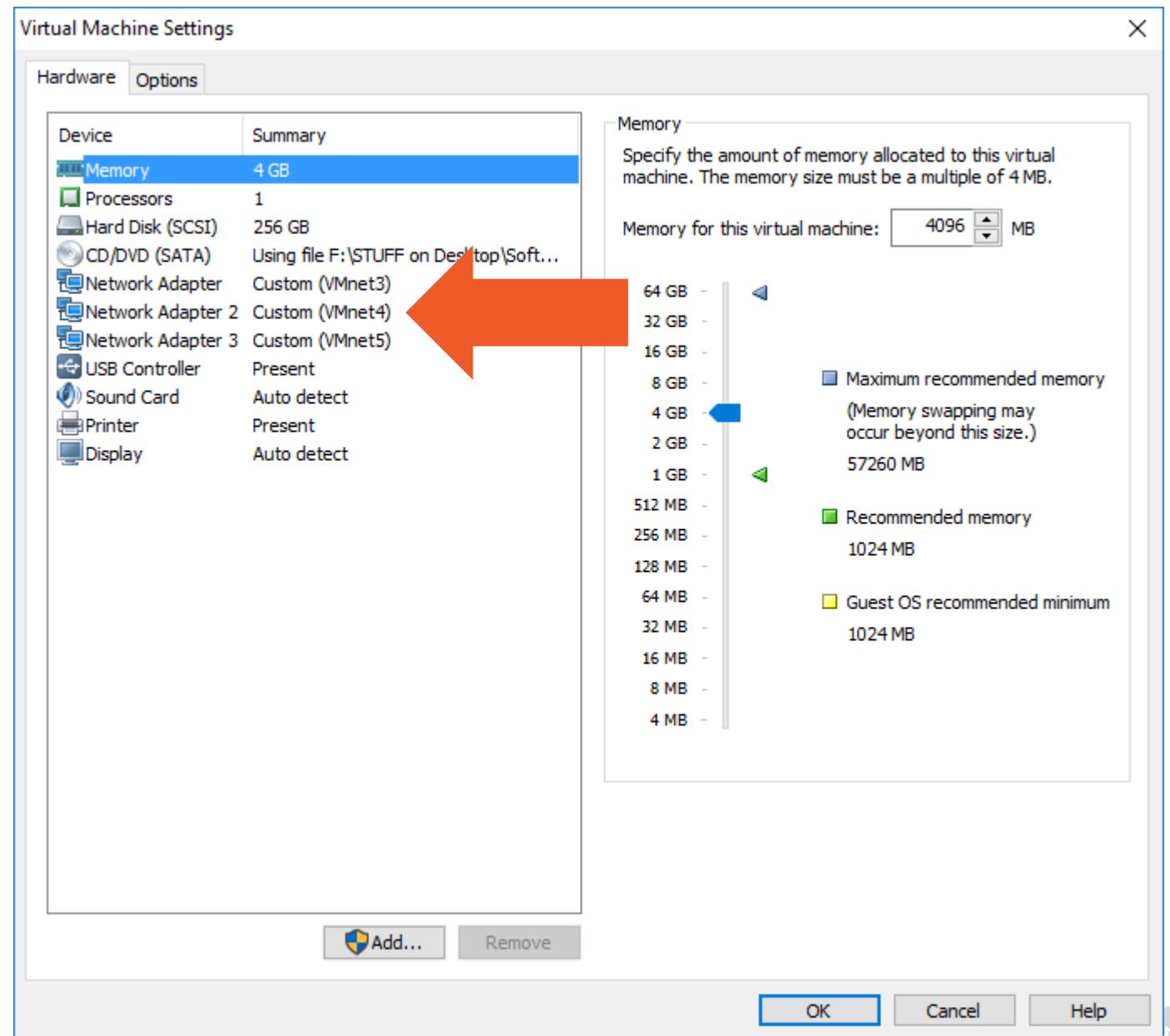
Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

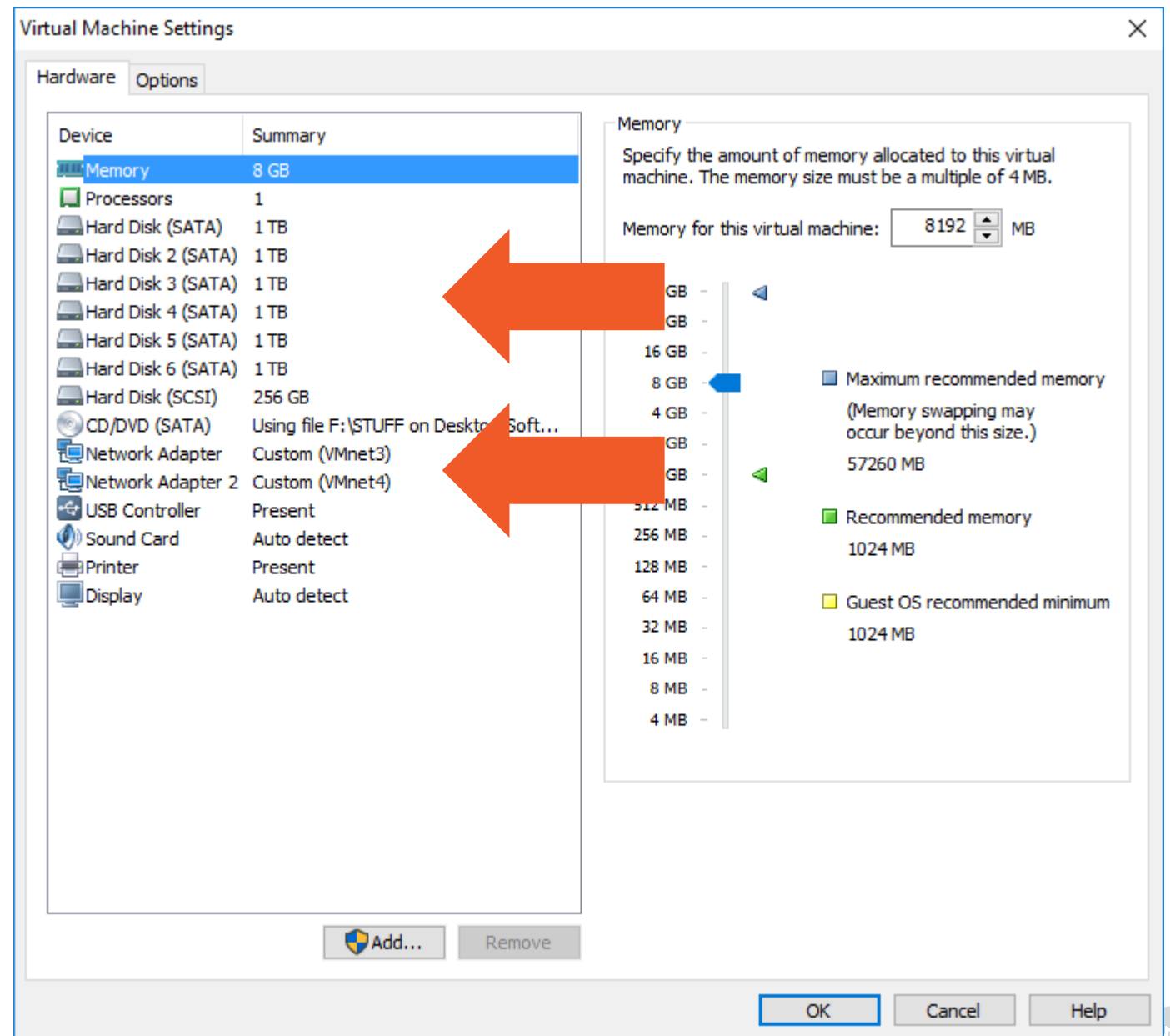
Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along



If You're
Following
Along

Build DC

Build MYDESKTOP

Build HYPERV1, HYPERV2, HYPERV3

Build FILE1

Build CLUSTER1, CLUSTER2

Build SITEBFILE1

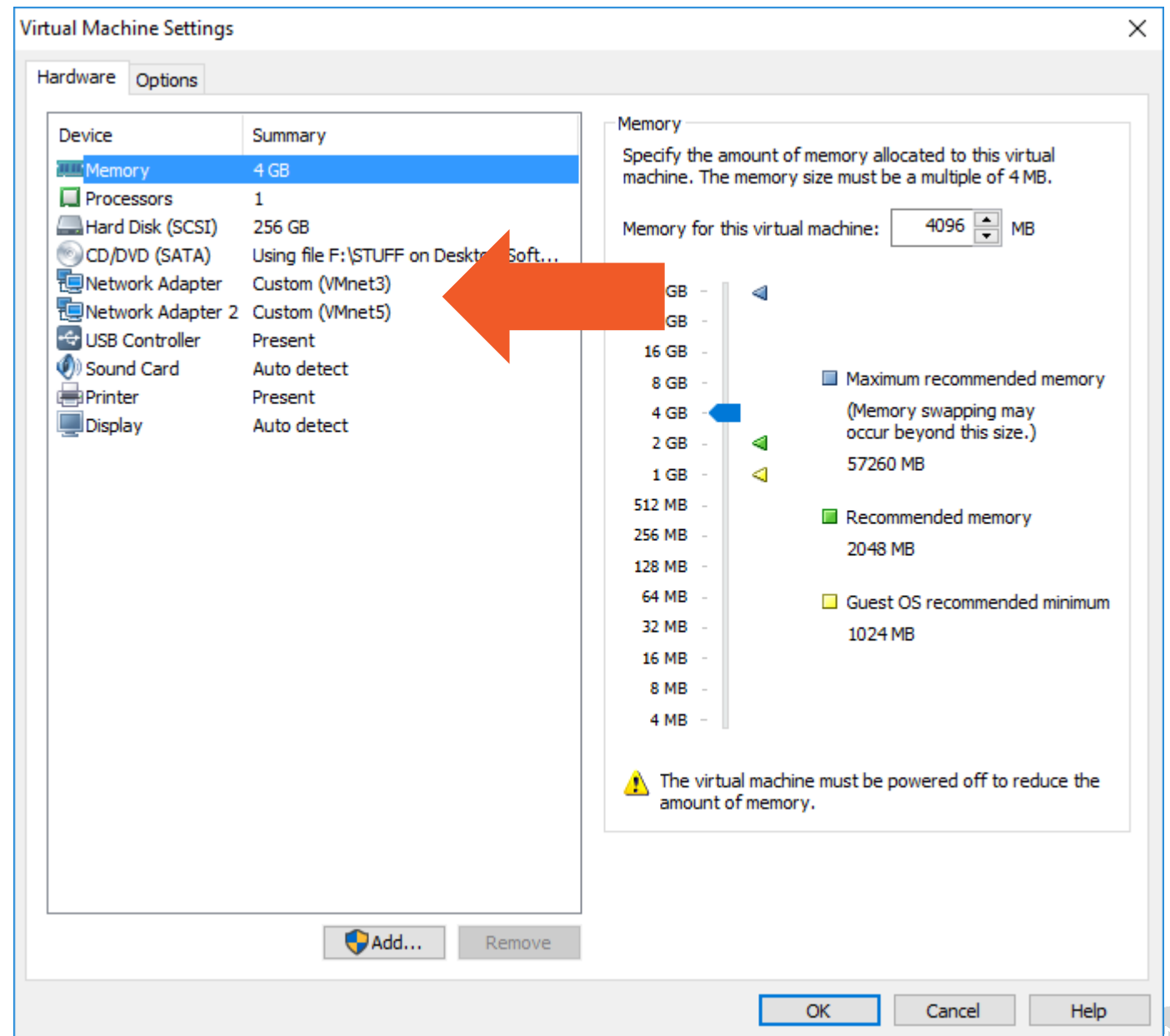
Build SITEBCLUSTER1, SITEBCLUSTER2

Build S2D1, S2D2, S2D3, S2D4

Build NLB1, NLB2



If You're
Following
Along



Implementing High Availability in Windows Server 2016

INTRODUCTION



Greg Shields

AUTHOR EVANGELIST

@concentratdgreg www.pluralsight.com

