

Exam Ref 70-745 Implementing a Software-Defined Datacenter

CHAPTER 1 Plan and implement System Center Virtual Machine Manager core infrastructure

<https://aka.ms/Kvjrnc>

<https://docs.microsoft.com/en-us/system-center/vmm/ha-sql>

<https://aka.ms/eupmzf>

[https://msdn.microsoft.com/en-us/library/system.directoryservices.activedirectoryrights\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.directoryservices.activedirectoryrights(v=vs.110).aspx)

CHAPTER 2 Implement Software-Defined Networking (SDN)

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/connect-container-endpoints-to-a-tenant-virtual-network>

<https://docs.microsoft.com/en-us/system-center/vmm/network-logical>

<https://docs.microsoft.com/en-us/system-center/vmm/network-pool>

<https://docs.microsoft.com/en-us/system-center/vmm/network-port-profile#define-uplink-port-profiles>

<https://docs.microsoft.com/en-us/system-center/vmm/network-port-profile#create-a-virtual-network-adapter-port-profile>

<https://docs.microsoft.com/en-us/system-center/vmm/network-port-profile#create-port-classifications-for-virtual-network-adapter-port-profiles>

<https://docs.microsoft.com/en-us/system-center/vmm/network-switch#set-up-a-logical-switch>

[https://technet.microsoft.com/en-us/library/dn249411\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/dn249411(v=sc.12).aspx)

[https://technet.microsoft.com/en-us/library/dn249414\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/dn249414(v=sc.12).aspx)

<https://docs.microsoft.com/en-us/windows-hardware/drivers/network/overview-of-data-center-bridging>

[https://technet.microsoft.com/en-us/library/jj735303\(v=ws.11\).aspx](https://technet.microsoft.com/en-us/library/jj735303(v=ws.11).aspx)

<https://docs.microsoft.com/en-us/system-center/vmm/network-mac>

<https://gallery.technet.microsoft.com/Windows-Server-2016-839cb607>

<https://technet.microsoft.com/en-us/library/mt403349.aspx>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/sdn-intro#key-components-of-sdn-architecture>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/plan/plan-a-software-defined-network-infrastructure>

<https://github.com/Microsoft/SDN>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-controller>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/understanding-usage-of-virtual-networks-and-vlans>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/idns-for-sdn>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/use-acls-for-traffic-flow>

<https://docs.microsoft.com/en-us/system-center/vmm/hyper-v-acls>
<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/network-controller/post-deploy-steps-nc>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/network-controller/network-controller-high-availability>

<https://msdn.microsoft.com/en-us/library/mt766580.aspx>

<https://<url>networking/v1/iDnsServer/configuration>

<https://msdn.microsoft.com/en-us/library/mt758795.aspx>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/network-function-virtualization/software-load-balancing-for-sdn>

<https://docs.microsoft.com/en-us/windows-server/administration/performance-tuning/subsystem/software-defined-networking/slb-gateway-performance>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-slb>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/configure-slb-and-nat>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-set-up-nat>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/guest-clustering>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-load-balance-network-traffic>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/network-function-virtualization/ras-gateway-deployment-architecture>

<https://docs.microsoft.com/en-us/windows-server/administration/performance-tuning/subsystem/software-defined-networking/hnv-gateway-performance>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-gateway>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-gateway#validate-the-deployment>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-gateway#validate-the-deployment>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/network-function-virtualization/ras-gateway-high-availability>

<https://github.com/Microsoft/SDN>

<https://docs.microsoft.com/en-us/system-center/vmm/network-sdn>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/update-backup-restore#anamebkmu>
<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/updating-the-sdn-infrastructure>

<https://www.microsoft.com/en-us/download/details.aspx?id=54300>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/troubleshoot/troubleshoot-windows-server-2016-software-defined-networking-stack#logging-tracing-and-advanced-diagnostics>

<https://technet.microsoft.com/en-us/itpro/powershell/windows/networkcontroller/set-networkcontrollerdiagnostic>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/troubleshoot/troubleshoot-windows-server-networkcontrollerdiagnostic>

2016-software-defined-networking-stack

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/update-backup-restore#a-namebkmkbackupabackup-the-sdn-infrastructure>

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/use-network-virtual-appliances-on-a-vn>

<https://docs.microsoft.com/en-us/system-center/vmm/sdn-bandwidth-qos>

<https://github.com/Microsoft/SDN/blob/master/Containers/ConfigureMCNP.ps1>

<https://github.com/Microsoft/SDN/blob/master/Containers/InstallPrivateCloudPlugin.ps1>

CHAPTER 3 Implement Software-Defined Storage

<https://docs.microsoft.com/en-us/system-center/vmm/vm-san-copy>

<https://docs.microsoft.com/en-us/system-center/vmm/s2d-disaggregated>

<https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/choosing-drives>

<https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/understand-the-cache>

<https://docs.microsoft.com/en-us/system-center/vmm/storage-iscsi>

<https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/storage-spaces-fault-tolerance>

<https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/create-volumes>

<https://docs.microsoft.com/en-us/system-center/vmm/sofs>

<https://docs.microsoft.com/en-us/windows-server/storage/storage-qos/storage-qos-overview>

<https://docs.microsoft.com/en-us/system-center/vmm/storage-host-group>

<https://docs.microsoft.com/en-us/system-center/vmm/supported-arrays>

<https://docs.microsoft.com/en-us/system-center/vmm/storage-file#assign-files-shares>

<https://docs.microsoft.com/en-us/system-center/vmm/storage-classification>

<https://docs.microsoft.com/en-us/system-center/vmm/storage-replica>

<https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/manage/set-up-hyper-v-replica>

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-vmm-to-vmm>

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-vmm-san>

<https://technet.microsoft.com/en-us/library/jj200627>

[https://technet.microsoft.com/en-us/library/hh362418\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh362418(v=sc.12).aspx)

<https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/storage-spaces-optimize-pool>

[https://technet.microsoft.com/en-us/library/dn583822\(v=ws.11\).aspx](https://technet.microsoft.com/en-us/library/dn583822(v=ws.11).aspx)

<https://docs.microsoft.com/en-us/system-center/vmm/s2d-hyper-converged>

CHAPTER 4 Implement Datacenter Compute Solutions with Virtual Machine Manager (VMM)

<https://gallery.technet.microsoft.com/office/Virtual-Machine-Manager-77dea9d4>
<https://docs.microsoft.com/en-us/azure/site-recovery/tutorial-migrate-on-premises-to-azure>
<https://aka.ms/nsd2pe>
<https://www.microsoft.com/en-us/download/details.aspx?id=54065>
<https://docs.microsoft.com/en-us/windows-server/get-started/deploy-nano-server>
<https://docs.microsoft.com/en-us/system-center/vmm/library-resources>
[https://technet.microsoft.com/en-us/library/hh410345\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh410345(v=sc.12).aspx)
[https://technet.microsoft.com/en-us/library/hh427284\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh427284(v=sc.12).aspx)
<https://docs.microsoft.com/en-us/system-center/vmm/hyper-v-guest-cluster>
<https://gallery.technet.microsoft.com/Virtual-Machine-Manager-cacc9fc8>
<https://technet.microsoft.com/en-us/library/bb740891.aspx>

CHAPTER 5 Secure your Software-Defined Datacenter

<https://gallery.technet.microsoft.com/office/Virtual-Machine-Manager-77dea9d4>
<https://docs.microsoft.com/en-us/azure/site-recovery/tutorial-migrate-on-premises-to-azure>
<https://aka.ms/nsd2pe>
<https://www.microsoft.com/en-us/download/details.aspx?id=54065>
<https://docs.microsoft.com/en-us/windows-server/get-started/deploy-nano-server>
<https://docs.microsoft.com/en-us/system-center/vmm/library-resources>
[https://technet.microsoft.com/en-us/library/hh410345\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh410345(v=sc.12).aspx)
[https://technet.microsoft.com/en-us/library/hh427284\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh427284(v=sc.12).aspx)
<https://docs.microsoft.com/en-us/system-center/vmm/hyper-v-guest-cluster>
<https://gallery.technet.microsoft.com/Virtual-Machine-Manager-cacc9fc8>
<https://technet.microsoft.com/en-us/library/bb740891.aspx>

CHAPTER 6 Monitor and maintain the Software-Defined Datacenter

<http://go.microsoft.com/fwlink/p/?LinkId=231853>
<https://aka.ms/Mjcbt7>