



70-741

MCSA Windows Server 2016

A Success Guide to Prepare-  
Networking with Windows Server 2016

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# Introduction to 70-741 Exam on Networking with Windows Server 2016

Use this quick start guide to collect all the information about Microsoft Networking with Windows Server 2016 (70-741) Certification exam. This study guide provides a list of objectives and resources that will help you prepare for items on the 70-741 Networking with Windows Server 2016 exam. The Sample Questions will help you identify the type and difficulty level of the questions and the Practice Exams will make you familiar with the format and environment of an exam. You should refer this guide carefully before attempting your actual Microsoft MCSA Windows Server 2016 certification exam.

The Microsoft Networking with Windows Server 2016 certification is mainly targeted to those candidates who want to build their career in Windows Server domain. The Microsoft Certified Solutions Associate (MCSA) - Windows Server 2016 exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Microsoft MCSA Windows Server 2016.

## Microsoft 70-741 Certification Details:

Exam Name	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2016
Exam Code	70-741
Exam Price	\$165 (USD)
Duration	120 min
Number of Questions	45-55
Passing Score	700 / 1000
Books / Training	<a href="#">20741B</a>
Schedule Exam	<a href="#">Pearson VUE</a>
Sample Questions	<a href="#">Microsoft Networking with Windows Server 2016 Sample Questions</a>
Practice Exam	<a href="#">Microsoft 70-741 Certification Practice Exam</a>

## Microsoft 70-741 Exam Syllabus:

Topic	Details	Weights
Implement Domain Name System (DNS)	<p>Install and configure DNS servers</p> <ul style="list-style-type: none"> <li>- Determine DNS installation requirements; determine supported DNS deployment scenarios on Nano Server; install DNS; configure forwarders; configure Root Hints; configure delegation; implement DNS policies; Configure DNS Server settings using Windows PowerShell; configure Domain Name System Security Extensions (DNSSEC); configure DNS Socket Pool; configure cache locking; enable Response Rate Limiting; configure DNS-based Authentication of Named Entities (DANE); configure DNS logging; configure delegated administration; configure recursion settings; implement DNS performance tuning; configure global settings</li> </ul> <p>Create and configure DNS zones and records</p> <ul style="list-style-type: none"> <li>- Create primary zones; configure Active Directory primary zones; create and configure secondary zones; create and configure stub zones; configure a GlobalNames zone; analyze zone-level statistics; create and configure DNS Resource Records (RR), including A, AAAA, PTR, SOA, NS, SRV, CNAME, and MX records; configure zone scavenging; configure record options, including Time To Live (TTL) and weight; configure round robin; configure secure dynamic updates; configure unknown record support; use DNS audit events and analytical (query) events for auditing and troubleshooting; configure Zone Scopes; configure records in Zone Scopes; configure policies for zones</li> </ul>	15-20%

Topic	Details	Weights
Implement DHCP and IPAM	<p>Install and configure DHCP</p> <ul style="list-style-type: none"> <li>- Install and configure DHCP servers; authorize a DHCP server; create and configure scopes; create and configure superscopes and multicast scopes; configure a DHCP reservation; configure DHCP options; configure DNS options from within DHCP; configure policies; configure client and server for PXE boot; configure DHCP Relay Agent; implement IPv6 addressing using DHCPv6; perform export and import of a DHCP server; perform DHCP server migration</li> </ul> <p>Manage and maintain DHCP</p> <ul style="list-style-type: none"> <li>- Configure a lease period; back up and restore the DHCP database; configure high availability using DHCP failover; configure DHCP name protection; troubleshoot DHCP</li> </ul> <p>Implement and Maintain IP Address Management (IPAM)</p> <ul style="list-style-type: none"> <li>- Provision IPAM manually or by using Group Policy; configure server discovery; create and manage IP blocks and ranges; monitor utilization of IP address space; migrate existing workloads to IPAM; configure IPAM database storage using SQL Server; determine scenarios for using IPAM with System Center Virtual Machine Manager for physical and virtual IP address space management; manage DHCP server properties using IPAM; configure DHCP scopes and options; configure DHCP policies and failover; manage DNS server properties using IPAM; manage DNS zones and records; manage DNS and DHCP servers in multiple Active Directory forests; delegate administration for DNS and DHCP using role-based access control (RBAC); audit the changes performed on the DNS and DHCP servers; audit the IPAM address usage trail; audit DHCP lease events and user logon events</li> </ul>	25-30%

Topic	Details	Weights
Implement Network Connectivity and Remote Access Solutions	<p>Implement network connectivity solutions</p> <ul style="list-style-type: none"> <li>- Implement Network Address Translation (NAT); configure routing</li> </ul> <p>Implement virtual private network (VPN) and DirectAccess solutions</p> <ul style="list-style-type: none"> <li>- Implement remote access and site-to-site (S2S) VPN solutions using remote access gateway; configure different VPN protocol options; configure authentication options; configure VPN reconnect; create and configure connection profiles; determine when to use remote access VPN and site-to-site VPN and configure appropriate protocols; install and configure DirectAccess; implement server requirements; implement client configuration; troubleshoot DirectAccess</li> </ul> <p>Implement Network Policy Server (NPS)</p> <ul style="list-style-type: none"> <li>- Configure a RADIUS server including RADIUS proxy; configure RADIUS clients; configure NPS templates; configure RADIUS accounting; configure certificates; configure Connection Request Policies; configure network policies for VPN and wireless and wired clients; import and export NPS policie</li> </ul>	20-25%
Implement Core and Distributed Network Solutions	<p>Implement IPv4 and IPv6 addressing</p> <ul style="list-style-type: none"> <li>- Configure IPv4 addresses and options; determine and configure appropriate IPv6 addresses; configure IPv4 or IPv6 subnetting; implement IPv6 stateless addressing; configure interoperability between IPv4 and IPv6 by using ISATAP, 6to4, and Teredo scenarios; configure Border Gateway Protocol (BGP); configure IPv4 and IPv6 routing</li> </ul> <p>Implement Distributed File System (DFS) and Branch Office solutions</p> <ul style="list-style-type: none"> <li>- Install and configure DFS namespaces; configure DFS replication targets; configure replication scheduling; configure Remote Differential Compression (RDC) settings; configure staging; configure fault tolerance; clone a Distributed File System Replication (DFSR) database; recover DFSR databases; optimize DFS Replication; install and configure BranchCache; implement distributed and hosted</li> </ul>	15-20%

Topic	Details	Weights
	cache modes; implement BranchCache for web, file, and application servers;; troubleshoot BranchCache	
Implement an Advanced Network Infrastructure	<p>Implement high performance network solutions</p> <ul style="list-style-type: none"> <li>- Implement NIC Teaming or the Switch Embedded Teaming (SET) solution and identify when to use each; enable and configure Receive Side Scaling (RSS); enable and configure network Quality of Service (QoS) with Data Center Bridging (DCB); enable and configure SMB Direct on Remote Direct Memory Access (RDMA) enabled network adapters; configure SMB Multichannel; enable and configure virtual Receive Side Scaling (vRSS) on a Virtual Machine Queue (VMQ) capable network adapter; enable and configure Virtual Machine Multi-Queue (VMMQ); enable and configure Single-Root I/O Virtualization (SR-IOV) on a supported network adapter</li> </ul> <p>Determine scenarios and requirements for implementing Software Defined Networking (SDN)</p> <ul style="list-style-type: none"> <li>- Determine deployment scenarios and network requirements for deploying SDN; determine requirements and scenarios for implementing Hyper-V Network Virtualization (HNV) using Network Virtualization Generic Route Encapsulation (NVGRE) encapsulation or Virtual Extensible LAN (VXLAN) encapsulation; determine scenarios for implementation of Software Load Balancer (SLB) for North-South and East-West load balancing; determine implementation scenarios for various types of Windows Server Gateways, including L3, GRE, and S2S, and their use; determine requirements and scenarios for Datacenter firewall policies and network security groups</li> </ul>	15-20%

## 70-741 Sample Questions:

**01. You want to test DANE and TLSA records in your testing environment. You want to use only certificates that do not have to be signed by a valid CA. Which value should you use for the Certificate Usage parameter when you create your TLSA records with the PowerShell cmdlet Add-DnsServerRecourseRecord?**

- a) Service Certificate Constraint
- b) Domain Issued Certificates
- c) CAConstraint
- d) TrustAnchor Assertion

**02. What are two core functionalities of DANE?**

(Choose two.)

- a) Enables you to specify which CA is allowed to issue certificates for a resource
- b) Authenticates TLS client and server entities without a Certificate Authority
- c) Improves DNS response performance from Windows Server 2016 DNS servers
- d) Simplifies certificate validation in a mixed IPv4/IPv6 environment

**03. You want to configure your Windows Server 2016 VPN server so that only EAP authentication protocol connections are allowed. Which PowerShell cmdlet can you use to verify which user authentication protocols your VPN server accepts?**

- a) Get-VpnConnection
- b) Get-VpnServerConfiguration
- c) Get-VpnS2Sinterface
- d) Get-VpnAuthProtocol

**04. Your Windows Server 2016 NPS server works as a RADIUS server. It stops processing connection requests and prevents users from accessing network resources. The NPS server is configured to use local NPS log files. Which configuration can prevent such problems?**

(Choose three.)

- a) Keep NPS log files separate from the system partition.
- b) Use an NPS replica server.
- c) Use a RADIUS server group.
- d) Use SQL logging instead of NPS log files.

**05. Which command do you have use if you want to use the BranchCache feature for your application server?**

- a) Install-WindowsFeature BranchCache, BITS
- b) Install-WindowsFeature BranchCache
- c) Install-WindowsFeature BranchCache, FS-BranchCache
- d) Install-WindowsFeature BranchCache, FS-Data-Deduplication

**06. You manage a domain named pearson.com. You have a Windows Server 2016 DHCP server named DHCP1 and you want to implement DHCP failover with hot standby mode. You want to choose DHCP2, which is a Windows Server 2016 Nano Server, as a partner server. Which changes must you make so that you can use DHCP2 as a DHCP failover replication partner for DHCP1?**  
(Choose two.)

- a) Authorize DHCP server DHCP2 in ADDS
- b) Add DHCP server DHCP2 to the domain pearson.com
- c) Replace DHCP2 with a Windows Server 2016 Datacenter server
- d) Install the DHCP server role on DHCP2 and authorize DHCP2

**07. You need to import 50 IP addresses from the network 112.20.5.0/24 into your IPAM database through a CSV file named addresses.csv. The CSV file contains data for a field named Division. Which configuration steps should you perform?**

(Choose two.)

- a) Use Add-IPAMCustomField to create the Division field.
- b) Use Format-Custom to prepare the Division field.
- c) Use Add-IPAMCustomValue to add values to Division.
- d) Use Import-IPAMAddress to import from addresses.csv.
- e) Use Import-IPAMSubnet to import from addresses.csv.
- f) Use Import-IPAMRange to import from addresses.csv.
- g) Ensure that the RIR field and values are available in addresses.csv.

**08. On which object can you configure a persistent site-to-site VPN connection?**

- a) Connection Request Policy on the answering router
- b) Connection Request Policy on the calling router
- c) Network Policy on the answering router
- d) Network Policy on the calling router

**09. You use the New Domain setting in the DNS Manager to create a subdomain named USA under the existing zone pearson.com. The subdomain is not displayed in the IPAM configuration console under Forward Lookup. The zone pearson.com is displayed with a green bullet. You also want to display the subdomain in the IPAM configuration console. What configuration do you need so that the subdomain usa.pearson.com is displayed in the IPAM configuration console under Forward Lookup?**

- a) Remove the subdomain and use New Delegation in the DNS Manager to create the usa.pearson.com zone.
- b) Remove the subdomain, select the DNS server in the DNS and DHCP Servers list, and use Create DNS Zone to create the usa.pearson.com zone.
- c) Select pearson.com, Reset Zone Status, and then Retrieve Server Data.
- d) Remove the subdomain and create usa.pearson.com with the New Zone Wizard in the DNS Manager.

**10. You have established a P2S connection to your Azure VNet. You want to verify the gateway IP address through which the P2S network traffic flows. Which command can you use?**

- a) Get-AzureVNetGateway
- b) Get-NetRoute
- c) Get-NetIPInterface
- d) Get-VpnConnection

### Answers to 70-741 Exam Questions:

Question: 01 Answer: b	Question: 02 Answer: a, b	Question: 03 Answer: d	Question: 04 Answer: a, c, d	Question: 05 Answer: a
Question: 06 Answer: c, d	Question: 07 Answer: a, d	Question: 08 Answer: c	Question: 09 Answer: b	Question: 10 Answer: b

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on [feedback@edusum.com](mailto:feedback@edusum.com)