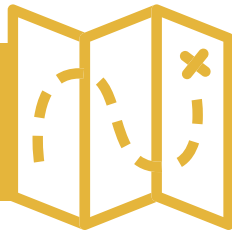


STUDY PLAN



Microsoft MCSA: Windows Server 2016 70-742

Total Videos: **43** Time: **8 hours***

*The time indicated above represents the total time to view all videos in the course, but does not include time spent using virtual labs, practice exams, embedded quizzes, etc.

Microsoft MCSA: Windows Server 2016

The Microsoft Certified Solutions Associate (MCSA): Windows Server 2016 certification is designed to prove mastery of the skills required to administer Windows Server 2016, including installation and implementation of storage solutions, Hyper-V, and Windows containers; networking with DNS, DHCP, IP address management, and advanced infrastructure; and administration of Active Directory Domain Services, group policy, Nano Server, and more.

Interestingly, Windows Server 2016 includes containers, which was once almost exclusively the purview of Linux/UNIX. The certification represents a new attitude of openness between Microsoft and the [Linux Foundation](#) and embodies Microsoft's [embrace of open source](#).

The MCSA: Windows Server 2016 certification is made up of three exams, all of which are covered by CBT Nuggets training.

- [70-740: Installation, Storage, and Computer with Windows Server 2016](#)
- [70-741: Networking with Windows Server 2016](#)
- [70-742: Identity with Windows Server 2016](#)

Typically, learners pursuing this certification path should have some familiarity (1-3 years) with Windows Server and experience working in an enterprise environment. The MCSA is considered an intermediate-level certification but has no prerequisite training or certifications.

Exam Details

Time allotted for exam: 120 minutes

Number of questions: 40-60*

Passing score: 700**

Question types: Multiple choice; multiple choice/multiple answer; scenario

Exam registration: [Microsoft Learning](#) or [Pearson Vue](#)

Exam cost: \$165 (USD)

Skills measured: Each exam registration page on the Microsoft website provides a list of Skills Measured (which is a free resource) to guide your study and preparation.

- [70-742](#)

Exam Replay: Microsoft exams have a reputation for being challenging. Many learners find they have to take an exam more than once to achieve a successful outcome. Fortunately, Microsoft is aware of the level of challenge associated with their exams, and often provides an "[Exam Replay](#)," allowing learners to retake exams at a fraction of the usual cost. Please note that the Exam Replay may not always be available.

**Microsoft does not publish the exact number of questions associated with its exams. Therefore, the number of questions a learner will see varies.*

***Because the number of questions varies, it is not necessarily true that learners must earn a simple 70% to pass the exam.*

STUDY STRATEGIES

Learners use a great variety of strategies to attack their training. Here are some options you can choose from to get the most out of your training experience:

Proceed through all CBT Nuggets video training on double-speed to develop a strong overview of the material; then proceed through all the training for a second time, taking good notes and focusing on deeper learning.

OR

Proceed through all CBT Nuggets video training, taking good notes and focusing on deep learning on the first pass; then proceed back through all training a second time, using double-speed when appropriate.

Supplement all video training with book study and practical application of knowledge.

Use the hands-on virtual labs throughout the course to practice your skills.

Learn more about how to get all you can out of your practice exam experience from a quick video by Keith Barker



PRACTICE EXAM STRATEGIES

CBT Nuggets offers practice exams as part of your subscription. You can take the practice exams as many times as you like! Here are some tips to help you take full advantage of this excellent resource:

! PLAN TO TAKE THE PRACTICE EXAM 3 TIMES

FIRST EXAM

Create a baseline against which you can measure your progress with future exams.

Identify areas of weakness in order to direct your training as you move forward.

SECOND EXAM

Measure your progress since your first practice exam! Ask yourself: Are you retaining the information and material you learned at the beginning of your training? Are there areas to which you should return now to ensure your understanding before moving forward?

The results from your second practice exam experience should help you identify areas where you may need to spend extra effort and energy in the training ahead.

THIRD EXAM

Measure your progress against your first two practice exams! Ask yourself: Are you scoring 90% by now? If so, you might be ready for the real

Allow the results from your practice exam to direct your review ahead of your certification exam. Ask yourself: Are you retaining all the material? And are you understanding it well?

KEY

4. Install from Media and Domain Controller Upgrades

▶ 14 🧩 45

The duration of the video in minutes.

Time required to complete a virtual lab in minutes.

The number and title for each video corresponds to the number and title you will find on the Microsoft MCSA: Windows Server 2016 70-742 course page online (and on your mobile device).

The Extra Mile section of your study plan challenges you to dig a little deeper with your training. The Extra Mile might be a textbook recommendation, supplemental materials downloads, or other resources to help you take your training to the next level. Nothing in the Extra Mile is required, but it is here to help you learn.



“Most of the Nuggets in this course feature amazing hands-on labs! You can expect to spend about 45 minutes per lab experience. Of course, you could always take more time playing inside the lab and experimenting.

Some of the Nuggets do not offer a hands-on lab as the technology was not possible to virtualize. In these cases, sit back, relax, and watch the video. You can even watch it several times to make sure the demonstration sticks.”

- Anthony Sequeira



Microsoft MCSA: Windows Server 2016 70-742

WEEK 1

- 1. Course Introduction
- 2. Active Directory Overview and Install

▶ 22 🧩 45

- 3. Read-Only Domain Controllers and Removing DCs

▶ 16 🧩 45

- 4. Install from Media and Domain Controller Upgrades

▶ 13 🧩 45

- 5. Flexible Single Master Operator Roles

▶ 15 🧩 45

- 6. Configure Domain Controller Cloning

▶ 15

EXTRA MILE

Explore the [Microsoft Learning website](#) to learn more about the 70-742 exam, its requirements, and available resources.

Review the [skills measured](#) by the 70-742 exam. (Consider printing out the exam objectives to help guide your study!)

Consider purchasing a textbook to supplement your training.

- [MCSA Windows Server 2016 Exam Ref 3-Pack: Exams 70-740, 70-741, and 70-742](#), by Craig Zacker and Andrew Warren
- [MCSA 70-742 Cert Guide: Identity with Windows Server 2016 \(Certification Guide\)](#), by Ben Finkel

VIRTUAL LAB*

This CBT Nuggets course includes virtual labs to give you hands-on experience and help ensure that you are deeply understanding what you learn.

**Keep a list of any virtual lab experiences that you find particularly challenging so you can come back to them for additional practice later.*

7. Troubleshooting Active Directory Installations

8 45

8. Create, Copy, Configure, and Delete Users and Computers

14 45

9. Automate the Creation of Active Directory Accounts

10 45

10. More Automation and Account Management

11 45

11. Perform Bulk Active Directory Operations

9 45

EXTRA MILE

Join the [CBT Nuggets Learner Community](#) on Slack! Join other CBT Nuggets learners in a community where you can post questions, share study resources, connect with IT experts from all over the world, and get mentoring for your training.

**Please allow 48 hours for your request to join the community to be processed.*

Learn more about [What's new in Active Directory Domain Services for Windows Server 2016](#) from Microsoft's Windows IT Center. Go deeper by learning how to [Upgrade Domain Controllers to Windows Server 2016](#) from Microsoft's Windows IT Center.

Create flashcards to quiz yourself on the content from your training! Or, use existing flashcard resources such as [quizlet.com](#)!

12. Configure User Rights
13. Implement Offline Domain Join

8 30-60

14. Create, Copy, Configure, and Delete Groups and OUs

14 45

15. Automate Groups and OUs with PowerShell

7 45

16. Manage Group Membership Using Group Policy

17. Group Types and Group Nesting

18 60-90

TAKE THE PRACTICE EXAM!

90-120

EXTRA MILE

TAKE THE PRACTICE EXAM!

Use the results to drive your review and practice as you continue your study*.

- [Transcender Microsoft Cert - 70-742](#)

**Keep in mind that you've not completed the training yet, so you probably won't ace the exam. This is just to help you assess how well you are retaining the material you've learned so far!*

Optional Supplemental Learning: Consider watching this additional course to deepen your understanding of PowerShell.

- [PowerShell 4 Foundations with trainer Garth Schulte](#) (22 videos)

WEEK 4

18. Configure Service Accounts

▶ 11 📦 45

19. Group Managed Service Accounts (gMSAs)

▶ 11 📦 45

20. Configure Kerberos Constrained Delegation (KCD)

21. Manage Service Principal Names (SPNs)

▶ 12 📦 90

22. Configure Account Policies

▶ 12 📦 45

23. Offline AD and Defragmentation
24. Clean Up Metadata

▶ 14 📦 30-60

EXTRA MILE

Learn more [About Kerberos constrained delegation](#) from Microsoft's TechNet.

Take some time this week to return to virtual labs that were challenging to see if you've developed the skills to be more successful with them now.

"I learned the value of hard work by working hard."

- Margaret Mead

WEEK 5

25. Backup and Restore of Active Directory

26. Replication of Active Directory

▶ 27 📦 90

27. Replication and PRP for RODC

▶ 7 📦 45

28. Multi-Domain and Multi-Forest Active Directory

▶ 9 📦 45

29. Configure Domain and Forest Settings

▶ 6 📦 45

30. Trusts

▶ 10 📦 45

EXTRA MILE

Remember that list of virtual lab experiences that challenged you? Take some time this week to return to those labs to see if you can conquer them now!

Work your flashcards until you start dreaming Server 2016 concepts, acronyms, and [Domain Services](#)! Visit [quizlet.com](#) or continue working with your own flashcards.

Explore Microsoft's TechNet [Forest and Domain Functional Levels](#) to dive deeper with functional levels.

WEEK 6

31. Configure Sites and Subnets

▶ 9 📦 45

32. Create and Manage Group Policy Objects

▶ 17 📦 45

33. Configure Group Policy Processing

▶ 13 📦 45

34. Configure Group Policy Settings

35. Configure Group Policy Preferences

▶ 20 📦 75-105

TAKE THE PRACTICE EXAM!

📄 90-120

EXTRA MILE

TAKE THE PRACTICE EXAM!

Use the results to drive your review and practice as you continue your study*.

- [Transcender Microsoft Cert - 70-742](#)

**You should see strong improvements in your performance by now! Measure your improvement and let your practice exam results guide your study ahead of your certification exam.*

[Schedule your certification exam](#) with an approved testing site. Consider purchasing the [Microsoft Exam Replay](#) voucher to help ensure your success on the 70-411 certification exam!

WEEK 7

36. Install a Certificate Authority

37. Installing a Subordinate CA

▶ 32 📦 90

38. CA Management

▶ 10 📦 45

39. Manage Certificates

▶ 11 📦 45

40. Install and Configure Active Directory Federation Services

▶ 13 📦 45

41. Implement Web Application Proxy
42. Install and Configure Active Directory Rights Management Services

▶ 15 📦 60-90

EXTRA MILE

Remember that list of virtual lab experiences that challenged you? Take some time this week to return to those labs to see if you can conquer them now!

Work your flashcards until you start dreaming Server 2016 concepts, acronyms, and [Identity and Access in Windows Server 2016](#)! Visit [quizlet.com](#) or continue working with your own flashcards.

43. The 70-742 Exam

TAKE THE PRACTICE EXAM! One last time ...[Transcender Microsoft Cert - 70-742](#)

Return to video Nuggets to brush up on areas of weakness identified by your practice exam results.



5



90-120

VIRTUAL LABS

Flashcards are an excellent way to work on acronyms you'll need to know for your exam.



30-60

VIRTUAL LABS

Flashcards



30-60

VIRTUAL LABS

CRAM SESSIONS

Return to topics that you find challenging to brush up on the material.



30-60

EXTRA MILE

Learn more about [Group Policy](#) from Microsoft's TechNet. Deepen your understanding about [Group Policy Preferences](#) from Microsoft's TechNet.

Spend some time working through the virtual labs every day to help ensure you have the hands-on experience you need to be successful on the exam.

THE BIG DAY

Take the exam.

Get a good night's sleep ahead of your exam!



Brag about it! Tweet us or let us know how your exam went and what you're doing to celebrate your success!

The MCSA: Windows Server 2016 certification puts you on the path to a career in system administration, but also opens up other pathways as well, including networking, virtualization, security, cloud computing, system administration, and more. Consider these pathways as you move beyond your MCSA:

ENTRY LEVEL				INTERMEDIATE				ADVANCED	
NETWORKING									
CompTIA Network+	Cisco CCENT	Juniper JNCIA-Junos		CCNA Routing and Switching	CCNP Routing and Switching	Juniper JNCIS-ENT	Palo Alto Networks Firewall		Cisco CCIE Routing and Switching
SECURITY									
CompTIA Security+	Cisco CCENT			CCNA Security	CCNP Security	Penetration Testing with Linux Tools	EC-Council Certified Ethical Hacker		(ISC) ² CISSP Cisco CCIE Security
VIRTUALIZATION									
CompTIA Network+	VMware vSphere Foundation			MCSA: Windows Server 2012	CCNA Data Center	VMware VCP6.5-DCV	Cisco CCNP Data Center		MCSE: Cloud Platform and Infrastructure
CLOUD COMPUTING									
LPI Linux LPIC-1 and CompTIA Linux+	AWS: Technical Essentials			AWS: Certified Solutions Architect - Associate	AWS: Certified SysOps Administrator - Associate	MCSA: Cloud Platform	MCSA: Linux on Azure		MCSE: Cloud Platform and Infrastructure
SYSTEM ADMINISTRATION									
CompTIA A+	LPI Linux LPIC-1 and CompTIA Linux+	VMware vSphere Foundation	Powershell 4 Foundations (no associated certification)	Microsoft MCSA: Windows 10	Microsoft MCSA: Office 365	MCSA: Windows Server 2012	VMware vSphere 6.5 (VCP6.5-DCV)		MCSE: Cloud Platform and Infrastructure

CAREER PATHWAYS

CBT Nuggets is committed to providing you with the resources necessary to plan your training, certification, and career pathway effectively and efficiently. Review our Career Pathway blog posts to learn more.

- [Mapping Your IT Networking Career Pathway](#)
- [Mapping Your IT Networking Career Pathway Infographic](#)
- [Unlocking Your IT Security Career Pathway](#)
- [Decoding Your IT SysAdmin Career Pathway](#)
- [Charting Your IT Cloud and Virtualization Career Pathway](#)
- [Engineering Your IT DevOps Career Pathway](#)

Roadmap to Success: MCSA: Windows Server 2016

Learn more about the MCSA certification from the CBT Nuggets blog. The [Roadmap to Success: MCSA: Windows Server 2016](#) is part of a [series of blog posts](#) designed to help learners better understand certification pathways, career opportunities associated with those certifications, and next steps beyond certification.

THE NEXT STEP

The MCSA is a building block to allow learners to earn a variety of other certifications from Microsoft. After earning the MCSA: Windows Server 2016 certification, most learners take the next step by earning an MCSE (Microsoft Certified Solutions Expert) certification. The MCSE allows learners to select from a variety of elective exams, effectively customizing the certification to meet their unique needs. The expert-level certification aligned with the MCSA: Windows Server 2016 is the MCSE: Cloud Platform and Infrastructure certification. To earn the MCSE, learners must choose one elective exam from a pool of exam options:

- [70-532](#)
- [70-533](#)
- [70-534](#)
- [70-473](#)
- [70-475](#)
- [70-744](#)
- [70-413](#)
- [70-414](#)
- [70-246](#)
- [70-247](#)

Some learners may choose to diversify their certification resumes by pursuing certifications outside the Microsoft universe. Those who choose this path often consider the following certifications:

- [Cisco CCNA Routing and Switching](#) (made up of two exams: [ICND1](#) and [ICND2](#))
- [AWS Certified SysOps Administrator - Associate](#) (made up of one exam: [AWS Certified SysOps Administrator - Associate](#))
- [VMware vSphere 6.5](#) (made up of one exam: [VCP6.5-DCV](#))