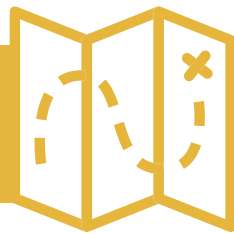


STUDY PLAN



Microsoft MCSA: Windows Server 2016 70-740

Total Videos: **48** Time: **14 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.

- [70-740](#)

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 and Configure Windows Server Core

18 30-90

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 70-740 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.



"Your virtual lab experience will vary throughout the course, depending on the exam objectives and your learning style and needs. Each virtual lab could take anywhere from 10-90 minutes."
- Garth Schulte



Microsoft MCSA: Windows Server 2016 70-740

WEEK 1

1. Welcome to Windows Server 2016 and 70-740!

2. Plan for Windows Server 2016

3. Install and Configure Windows Server 2016

32 30-90

4. Install and Configure Windows Server Core

18 30-90

5. Manage Windows Server Core

20 30-90

6. Implement PowerShell Desired State Configuration (DSC)

16 30-90

7. Windows Server 2016 Activation

11 30-90

EXTRA MILE

Explore the [Microsoft Learning website](#) to learn more about the 70-740 exam, its requirements, and available resources.

Review the [skills measured](#) by the 70-740 exam. (Consider printing out the exam objectives to help guide your study!)

Consider purchasing a textbook to supplement your training.

- [MCSA Windows Server 2016 Complete Study Guide: Exam 70-740, Exam 70-741, Exam 70-742, and Exam 70-743](#), by William Panek
- [Exam Ref 70-740 Installation, Storage and Compute with Windows Server 2016](#), by Craig Zacker
- [MCSA Windows Server 2016 Study Guide: Exam 70-740](#), by William Panek

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.

WEEK 2

8. Upgrade and Migrate to Windows Server 2016

▶ 19 📦 30-90

9. Introduction to Nano Server

▶ 8 📦 30-90

10. Install Nano Server

▶ 18 📦 30-90

11. Manage and Configure Nano Server

▶ 14 📦 30-90

12. Plan for Virtualization

▶ 13 📦 30-90

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 Nano Server from the CBT Nuggets blog, [3 Reasons to Love Microsoft Windows Server 2016 Nano Server](#).

Learn more about Nano Server from TechNet's [Nano Server blog](#).

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

WEEK 3

13. Manage and Maintain Images

▶ 21 📦 30-90

14. Configure Disks

▶ 14 📦 30-90

15. Configure Virtual Disks

▶ 13 📦 30-90

16. Configure Shares

▶ 22 📦 30-90

17. Configure Permissions

▶ 15 📦 30-90

EXTRA MILE

Visit Microsoft's TechNet to learn more on how to [Configure Disks and Storage](#).

"I have learned, that if one advances confidently in the direction of his dreams, and endeavors to live the life he has imagined, he will meet with a success unexpected in common hours."

- Henry David Thoreau

WEEK 4

18. Configure and Manage Storage Pools

▶ 16 📦 30-90

19. Advanced Storage Features

▶ 5 📦 30-90

TAKE THE PRACTICE EXAM!

📄 90-120

20. Configure Storage Replica

▶ 14 📦 30-90

21. Implement Data Deduplication

▶ 16 📦 30-90

EXTRA MILE

TAKE THE PRACTICE EXAM!

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

- [Transcender Microsoft Cert - 70-740](#)

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

"Your mind will answer most questions if you learn to relax and wait for the answer."

- William S. Burroughs

WEEK 5

22. Install Hyper-V

▶ 16 📦 30-90

23. Configure and Manage Hyper-V

▶ 20 📦 30-90

24. Create Virtual Machines

▶ 19 📦 30-90

25. Configure Virtual Machines

▶ 18 📦 30-90

26. Manage Virtual Machines

▶ 17 📦 30-90

EXTRA MILE

Dig a little deeper to master how to [Create a Virtual Machine in Hyper-V](#) from Microsoft's Windows IT Center.

Take some time this week to return to labs that have previously been challenging for you to see if you can conquer them now!

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

- Margaret Mead

WEEK 6

27. Create and Configure Hyper-V Storage

 20  30-90

28. Manage Hyper-V Storage

 24  30-90

29. Configure Hyper-V Networking

 17  30-90

30. Optimize Hyper-V Networking

 12  30-90

31. Introduction to Containers

 15  30-90

EXTRA MILE

Hyper-V makes up 20-25% of your 70-740 exam. Take some time now to learn it well!

- [What's new in Hyper-V on Windows Server 2016](#) from the Microsoft Windows IT Center
- [Hyper-V on Windows Server 2016](#) from the Microsoft Windows IT Center
- [Hyper-V Virtual Switch](#) from the Microsoft Windows IT Center

"I am tomorrow, or some future day, what I establish today. I am today what I established yesterday – or some previous day."

- Harvey Spencer Lewis

WEEK 7

32. Deploy Containers

 19  30-90

33. Manage Containers

 20  30-90

34. Implement Hyper-V Replica

 13  30-90

35. Implement Hyper-V Migration

 18  30-90

36. Introduction to Failover Clustering

 10  30-90

EXTRA MILE

Containers represent about 5-10% of your 70-740 exam. Be intentional about learning all you can about Windows Server 2016 containers!

- [Windows Server 2016 Feature Highlight: Containers](#) from Tom's IT Pro
- [Open Source Skills for the Microsoft Master](#) from the CBT Nuggets blog
- [Containers](#) from Microsoft Docs

37. Configure Failover Clustering

▶ 20 📦 30-90

38. Maintain Failover Clusters

▶ 22 📦 30-90

TAKE THE PRACTICE EXAM!

📄 90-120

39. Manage Failover Clustering

▶ 16 📦 30-90

40. Implement Scale-out File Server (SoFS)

▶ 13 📦 30-90

EXTRA MILE

TAKE THE PRACTICE EXAM!

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

- [Transcender Microsoft Cert - 70-740](#)

**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.*

Make sure you have a strong understanding of topics related to high availability because it makes up 30-35% of your 70-740 exam.

- [Failover Clustering in Windows Server 2016](#) from the Microsoft Windows IT Center

41. Implement Hyper-V Clusters

▶ 24 📦 30-90

42. Implement Stretch Clusters

▶ 30 📦 30-90

43. Implement Storage Spaces Direct

▶ 22 📦 30-90

44. Implement Network Load Balancing

▶ 16 📦 30-90

45. Maintain Server Installations

▶ 24 📦 30-90

EXTRA MILE

Schedule your certification exam with an approved testing site. Consider purchasing the [Microsoft Exam Replay](#) voucher to help ensure your success on the 70-740 certification exam!

Review [Microsoft's Exam Policies and FAQs](#) to fully understand the testing conditions you'll face on the big day!

Dedicate more time and effort to understanding issues around implementing high availability.

- [Storage Spaces Direct in Windows Server 2016](#) from the Microsoft Windows IT Center

46. Implement Server Backups

▶ 22 📁 30-90

47. Monitor Server Installations

48. Good Luck!

▶ 20 📁 30-90

TAKE THE PRACTICE EXAM!

One last time ...

[Transcender Microsoft Cert - 70-740](#)

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

📄 90-120

VIRTUAL LABS

Flashcards: They worked for you in grade school, they can work for you now!

VIRTUAL LABS

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

EXTRA MILE

Understand the value of the various skills measured by the 70-740 exam:

- Install Windows Servers in host and compute environments (10-15%)
- Implement storage solutions (10-15%)
- Implement Hyper-V (20-25%)
- Implement Windows containers (5-10%)
- Implement high availability (30-35%)
- Maintain and monitor server environments (10-15%)

Spend time this week working through your [flashcards](#) to ensure your memorization of acronyms and terms for your 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									
VMware vSphere Foundation	CompTIA Network+			Microsoft MCSA: Windows Server 2012	CCNA Data Center	VMware VCP6.5-DCV (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](#))