

745 – Implementing a Software-Defined DataCenter Using System Center Virtual Machine Manager

Microsoft Official Courses (MOC)

Course 20745B: Implementing a Software-Defined DataCenter Using System Center Virtual Machine Manager



About this Course:

- This five-day course explains how to implement and manage virtualization infrastructure in a software-defined datacenter by using Microsoft System Center 2016 Virtual Machine Manager. The course also describes how to monitor the infrastructure by using Microsoft System Center Operations Manager and protect it by using Microsoft System Center Data Protection Manager.
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Course Goals/Skills:

- Explain the different virtualization options.
Install and manage Hyper-V on Windows Server 2016.
Install and configure System Center 2016 Virtual Machine Manager.
Manage storage fabric and fabric updates.
Configure and manage the Virtual Machine Manager library and library objects.
Manage the networking fabric.
Create and manage virtual machines by using Virtual Machine Manager.
Manage clouds in Virtual Machine Manager.
Manage services in Virtual Machine Manager.
Monitor a virtualization infrastructure by using System Center Operations Manager.
Implement and manage Microsoft Hyper-V Replica and Microsoft Azure Site Recovery.
Protect virtualization infrastructure by using Data Protection Manager.
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Audience:

- This course is intended for IT professionals and administrators who are responsible for designing, implementing, and managing virtualization infrastructure in a software-defined datacenter by using System Center 2016 Virtual Machine Manager. The main focus of this course is on managing Hyper-V virtualization infrastructure in Windows Server 2016, although the course also covers other virtualization platforms that can be managed by using Virtual Machine Manager 2016.
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Course Format:

<input type="checkbox"/>	<input type="checkbox"/>
Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент	Онлайн (Online/Virtual) Курс във виртуална зала с инструктор

Course Language Option

<input type="checkbox"/>	<input type="checkbox"/>
Български (Bulgarian)	Английски (English)

You can choose the language in which the training will be conducted – Bulgarian or English. All our instructors are fluent in English.

Student Guides:



The training materials are available in electronic format. They can be used online / offline on any device. Lifetime access.

Lab Environment:



Each student has their own lab environment where the exercises are conducted, part of the course. You do not need to install software on a computer or special hardware requirements.

Participants in a face-to-face format in our Training Center have an individual computer during the training.

At Course Completion:

Lifetime Access - Video Archive 24/7	Certificate of Course Completion

Lifetime access to a video archive with recording of each individual lecture.

Official internationally recognized certificate for completed training course.

Course Duration:



- 5 working days (09:00 – 17:00)
or
 - 40 hours training (theory and practice) in non-working hours lasting 4 weeks
Saturday and Sunday 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00
Monday and Wednesday 19:00 – 23:00
Tuesday and Thursday 19:00 – 23:00
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Payments :



An application for an invoice is accepted at the time of enrollment in the respective course.

An invoice is issued within 7 days of confirming the payment.

Next Class:

Jun 6

6 June 2026 @ 10:00 - 28 June 2026 @ 14:00 EEST 🗓

[Linux Professional Institute LPIC-1 prep for 101-500 and 102-500 \(4 weeks\)](#)

Jun 8

09:00 - 17:00 EEST 🗓

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

Jun 8

8 June 2026 @ 09:00 - 12 June 2026 @ 17:00 EEST 🗓

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

Jun 15

15 June 2026 @ 09:00 - 19 June 2026 @ 17:00 EEST 🗓

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

Jun 22

22 June 2026 @ 09:00 - 26 June 2026 @ 17:00 EEST 🗓

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

[View Calendar](#)

For more information, use the contact format. We will contact you to confirm the data.

Prerequisites:

- In addition to their professional experience, students who attend this training should already have the following technical knowledge:
An understanding of TCP/IP and networking concepts

An understanding of different storage technologies and concepts

Familiarity with different types of virtualizations

Familiarity with Windows Server and Windows Server administration

An understanding of Windows PowerShell
Students should have the ability to work in a team/virtual team and possess good documentation and communication skills.

Students who attend this training can meet the prerequisites by attending the following courses, or obtaining equivalent knowledge and skills:
20740 – Storage & Compute with Windows Server 2016

20741 – Networking with Windows Server 2016

This Class will teach you how to pass the

following exams:

- **Exam 70-745: Implementing a Software-Defined Datacenter**
- [Може да се сертифицирате в нашия тест център с ваучер с отстъпка от цената на изпит.](#)