# 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.

# 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.

# 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:

| ❌ | ❌ |
|---|---|
| **Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент** | **Онлайн (Online/Virtual) Курс във виртуална зала с инструктор** |

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# Course Language Option

| ❌ | ❌ |
|---|---|
| **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:

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|---|---|
| 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.**

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# 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.

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# Next Class:

Jul 1
1 July 2024 @ 09:00 - 3 July 2024 @ 17:00 EEST  ↻

## [PRINCE2 — Foundation 7th Edition (new 2023)](#)

Jul 1
1 July 2024 @ 09:00 - 3 July 2024 @ 18:00 EEST  ↻

## [CCSA- Check Point Certified Security Administrator (CCSA) R81.10 — Updated November 2021](#)

Jul 1
1 July 2024 @ 09:00 - 4 July 2024 @ 17:00 EEST  ↻

## [AZ-800T00: Administering Windows Server Hybrid Core Infrastructure](#)

Jul 1
1 July 2024 @ 09:00 - 5 July 2024 @ 17:00 EEST  ↻

## [VMware Horizon: Deploy and Manage [V8.8]](#)

Jul 3
3 July 2024 @ 09:00 - 5 July 2024 @ 17:00 EEST  ↻

## [ITIL® 4 Strategist Direct Plan and Improve (DPI)](#)

[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 PowerShellStudents 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.](#)