Fast Lane

Master Class: SCVMM25: Configuration & Administration for Virtualized Environments (Hyper-V) (SCVMM)

ID SCVMM   **Price** 3,990.— €(excl. tax)   **Duration** 4 days

Course Overview

- New features in Windows Server 2022/2025 (focus on Hyper-V)
- Virtualization strategy - Object model Private/public cloud with Microsoft products,
- Installation / Configuration / Management of
    - Windows Admin Center (WAC)
    - System Center Virtual Machine Manager 2022 / 2025
- Management of virtualized infrastructures with SCVMM, focusing on
    - General settings, user profiles, run as accounts, and more
    - Logical networks, logical switches, VM switches, port profiles, and more
    - Storage / File Server (SMB; ISCSi and more)
    - Library (hardware/guest OS profiles, VHDs, and VM templates)
    - Cloud (VMM Cloud, Azure Cloud, and Azure ARC)

Who should attend

- This seminar is aimed at IT professionals who already have knowledge of Hyper-V and its management tools (Hyper-V Manager > Switch and Disk Manager) and who are or will be responsible for the design, implementation, and management of a (virtualized) Microsoft client-server infrastructure.
- Through practical exercises, you will learn how to install, configure, and administer virtualized server infrastructures using Hyper-V with the management tools.
    - Hyper-V Manager / PowerShell
    - Windows Admin Center – WAC
    - System Center Virtual Machine Manager 2025 (SCVMM)
- The installation, configuration, and management of small and large infrastructures around Hyper-V with System Center Virtual Machine Manager 2025 (SCVMM) are a key focus.
- Newcomers to Hyper-V administration with System Center Virtual Machine Manager 2025 are just as welcome as administrators who need to learn about the new features of Microsoft's Hyper-V Server 2022/2025 and get a basic

introduction to SCVMM 2025.

Prerequisites

- Professional experience with Windows client operating systems such as Windows 10 / Windows 11
- Experience with Windows servers and basic knowledge of PowerShell are advantageous.
- Basic knowledge of operating client-server environments around Hyper-V or prior attendance of the course; Hyper-V: Virtualization with Windows Server 2022/2025 (HYPERV)
- Understanding of;
    - Basic network technologies, such as name resolution and IP addressing (Dynamic Host Configuration Protocol - DHCP)
    - Active Directory / AD DS / Group Policy operations

Course Content

Windows Server / Hyper-V - Versions, Roles, Features, and Hyper-V

- New features in Windows Server 2025, object model Private/public cloud
- Edition of Windows Server 2025 (2022)
- Advanced tools for deploying Windows Server—ADK and MDT
- Installation of Windows Server (Core OS Edition with Feature on Demand (FoD))

Installation/configuration of the Hyper-V role, Storage Spaces/Storage Space Direct

- Installing the Hyper-V role and local Hyper-V configuration with Hyper-V Manager
- Networks, Hyper-V switches (Network ATC), Switch Embedded Teaming
- Hyper-V Shared Nothing Live Migration
- Installation and configuration of Windows Admin Center (WAC)
- Implementation of storage solutions Storage space, SMB, and iSCSI storage
- Configuring and managing a Hyper-V cluster with Cluster

Manager, PowerShell, and WAC

Installation / Konfiguration / Administration Microsoft System Center Virtual Machine Manager (SCVMM)

- Installation and configuration of System Center VMM 2025,
- Managing System Center VMM 2025 with the VMM console on a member server
- General settings, user profiles, run as accounts, and more
- Software defined Networking (Network Controller)
- Logical networks, logical switches, VM switches, port profiles, and more
- Storage / File Server (SMB; ISCSi and more)

Management of virtualized infrastructures with SCVMM

- System Center VMM and the Virtual Machine Manager Library
- Library (hardware/guest OS profiles, VHDs, and VM templates)
- Managing host groups and Hyper-V hosts
- Creating, cloning, and converting virtual machines
- Overview of virtual machine updates
- Cloud (VMM Cloud)

Manage, monitor, and maintain private and public clouds (Azure) with System Center VMM

- Object model Private/public cloud Manage, monitor, maintain
- WAC with Hyper-V, Azure Local (Azure Stack HCI OS), and Azure (public cloud)
- Hyper-V security (Shielded VM, Device Guard & Credential Guard)
- Cloud (VMM Cloud, Azure Cloud, and Azure ARC)
- Use of Veeam as a backup service (optional)

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.
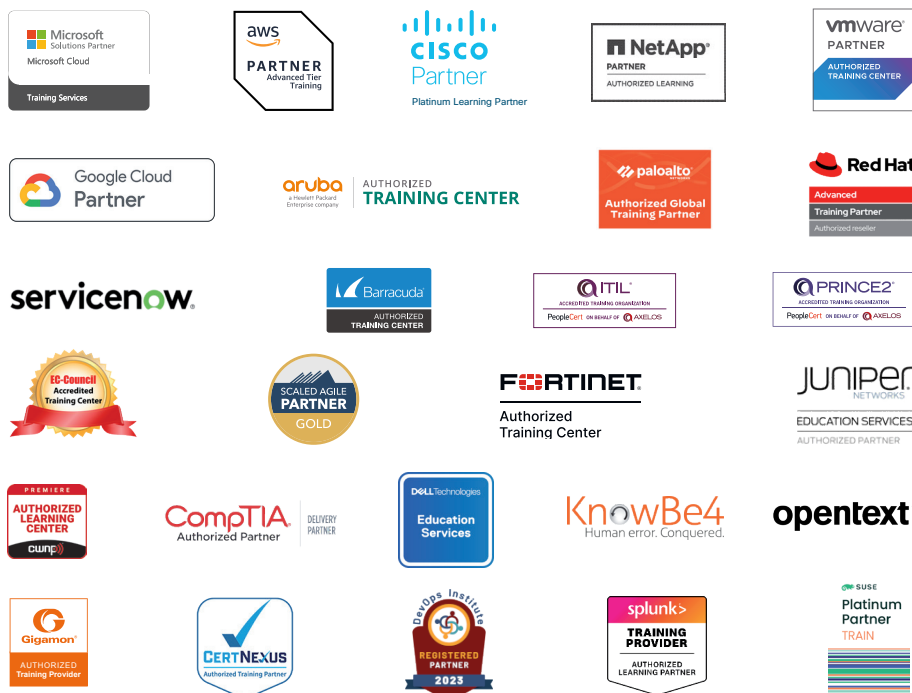
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