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

ID SCVMM **Price** CHF 3,990.—(excl. VAT) **Duration** 4 days

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

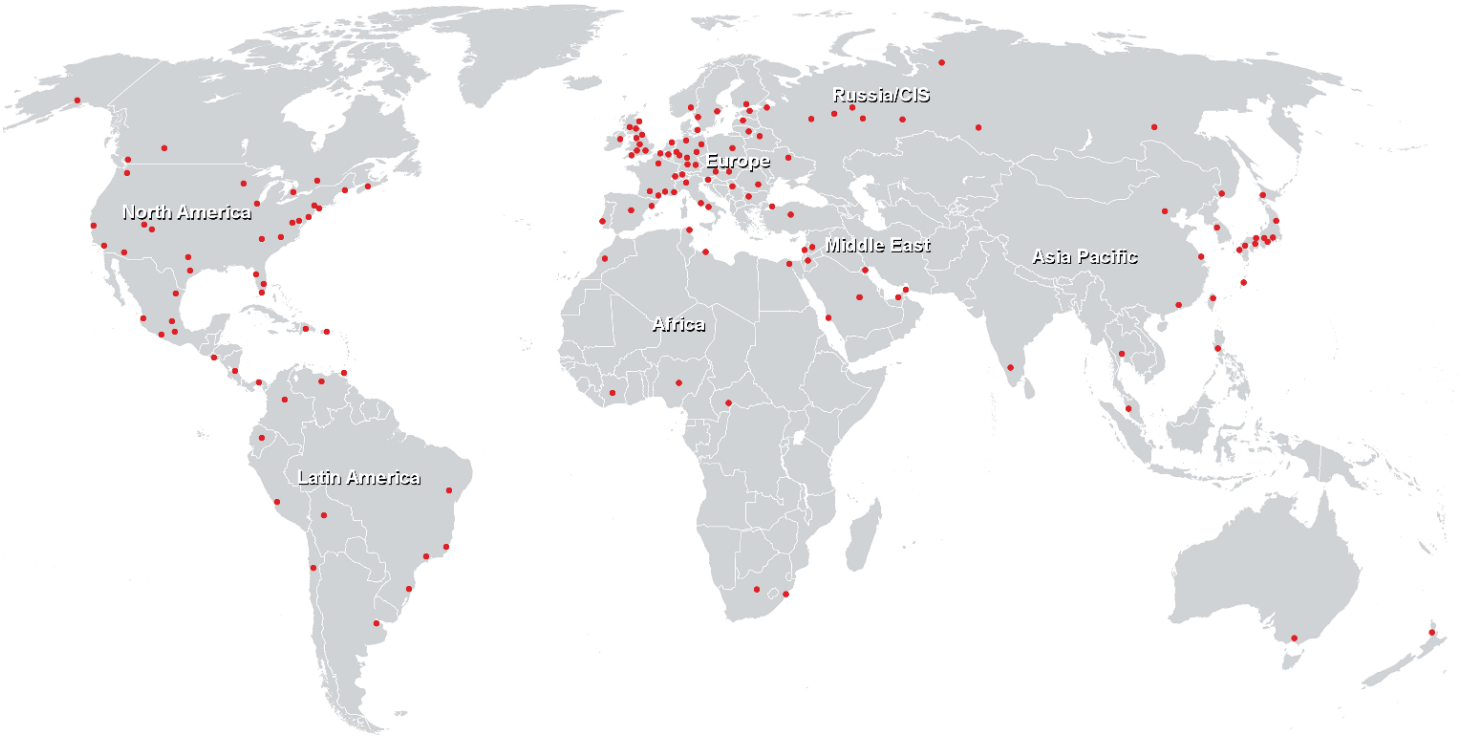
- Overview of virtual machine updates
- Cloud (VMM Cloud)

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)

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Training Centres worldwide





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch