

VMware Install, Configure, Manage, v8: Hack The Cert (VICMHACK)

ID VICMHACK **Price** 4,900.— €(excl. tax) **Duration** 5 days

Course Overview

The ICM hack, a 5-day true hands-on experience, operates on the learning-by-doing principle, emphasizing research and teamwork as its core strengths. Participants will be organized into teams, collaborating to tackle a series of challenges designed to enhance their knowledge significantly. These challenges are interconnected, with each one building upon the preceding one. Following lunch, all participants engage in a quiz to test their knowledge using a quiz-experience app such as Kahoot or AhaSlides. Each day concludes with a Q&A session and an exam preparation segment for attendees.

Challenges

Every challenge consists of the following:

- **SITUATION DESCRIPTION** – Describing the real-world scenario behind the specific challenge
- **DEFINITION OF DONE** – Clearly described elements of the completion for the specific challenge
- **RESOURCES** – Documentation, Blogs, Hints, and Tips 'n' tricks, Connection to official VMware materials

Learn more about our Hack The Cert™ Program: [Download PDF](#)

Who should attend

System administrators System engineers

Prerequisites

This course has the following prerequisites:

- System administration experience on Microsoft Windows or Linux operating systems

Detailed Course Outline

Challenge 1: Host install & Initial Config

- Basic config of the first host using embedded host client.
- Change client theme.
- Configure ntp.
- Add hosts to AD.
- Enable SSH and ESXi Shell.

Challenge 2: vCenter Install & Initial Config

- Deploy VCSA, choose size and number of vCenters.
- Create vCenter inventory objects.
- Add hosts.
- Add licenses.
- Join domain and add identity source.
- Set permissions.
- Configure syslog.

Challenge 3: Networking

- Create standard virtual switches and portgroups, edit policies.
- Create Distributed virtual switch.
- Migrate VMs from VSS to VDS.
- Backup VDS.
- Enable health check.
- Configure Port Mirroring.
- Restore VDS

Challenge 4: Storage

- Configure iSCSI on ESXi hosts.
- Create, Expand, Remove & Add Additional iSCSI datastores.
- Datastore Maintenance Mode.
- Add NFS datastore.
- Add vSAN Disk Group
- Create vSAN storage policies

Challenge 5: Working with VMs

- Create VM and install a Guest OS.
- Adding VMs into the Inventory.
- Deploy VM from OVF Template.
- Edit VM Settings.
- Adding resources into a VM.
- Expanding Virtual Disks.

Challenge 6 – Creating VMs and Content Libraries

- Create VM Template.
- Create Customisation specification.
- Deploy VMs from Template.
- Content Library.
- Clone a VM Template to Library.
- Deploy a VM from Content Library

Challenge 7 – vMotion, SvMotion and Cross vCenter vMotion

- Configure network for vMotion.
- Migrate VMs across hosts with vMotion.
- Migrate VMs between Datastores with SvMotion.
- Cross vCenter vMotion

Challenge 8 – VM Resources and vSphere Clusters, DRS

- Manage CPU and Memory resources.
- Enable Shares, Limits and Reservations.
- Create and manage Resource Contention.
- Create Clusters
- Enable EVC
- Enable DRS and create DRS Groups / Rules.
- Maintenance Mode

Challenge 9 – Additional Cluster Features HA / FT / vSAN

- Enable and test vSphere HA and FT.
- Configure management redundancy.
- Edit Datastore Heartbeat settings and Advanced HA settings.
- Edit Admission Control policies.

Challenge 10 – Host, vCenter and VM maintenance

- Create and manage VM Snapshots.
- Backup VCSA.
- Configure Product Locker location.
- Backup Hosts and vCenter.
- Explore Lifecycle Manager.
- Upgrading Hosts and vCenter.

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.

Fast Lane Services

- ✓ High End Technology Training
- ✓ Business & Soft Skill Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digital Learning Solutions
- ✓ Content Development
- ✓ Remote Labs
- ✓ Talent Programs
- ✓ Event Management Services

Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

Technologies & Solutions

- ✓ Digital Transformation
- ✓ Artificial Intelligence
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center



Worldwide Presence
with high-end training centers
around the globe



Multiple Awards
from vendors such as AWS,
Microsoft, Cisco, Google, NetApp,
VMware



Experienced SMEs
with over 19.000 combined
certifications

Germany

**Fast Lane Institute for Knowledge
Transfer GmbH**

Tel. +49 40 25334610

info@flane.de / www.flane.de

Austria

ITLS GmbH

(Partner of Fast Lane)

Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Switzerland

**Fast Lane Institute for Knowledge
Transfer (Switzerland) AG**

Tel. +41 44 8325080

info@flane.ch / www.flane.ch