



MICROSOFT TRAINING

VMware vSphere: Install, Configure, Manage [V8]

Install, configure, and manage VMware vSphere V8. Gain the skills to deploy and maintain resilient virtualized environments.

DURATION

40 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This comprehensive 40-hour course, VMware vSphere: Install, Configure, Manage [V8], is designed for IT professionals seeking to master the deployment and management of a highly available and scalable virtual infrastructure using VMware vSphere 8. Through a blend of intensive lectures and hands-on labs, participants will gain practical experience with essential vSphere components, including ESXi hosts and vCenter Server. You will learn to effectively install, configure, and manage these core technologies, ensuring optimal performance and reliability for your virtualized environment.

The curriculum delves deep into critical aspects such as configuring and managing vSphere networking and storage, deploying and administering virtual machines, and implementing robust data protection strategies. Furthermore, you will explore advanced features like resource management, monitoring, and fundamental troubleshooting techniques to maintain a healthy and efficient virtual infrastructure. By the end of this course, you will possess the foundational skills required to administer a vSphere infrastructure of any size, significantly enhancing your organization's operational efficiency and your own professional value.

Upon successful completion, you will be well-prepared to manage complex virtualized data centers, ensuring business continuity and high performance. This certification validates your expertise in leveraging the latest vSphere 8 capabilities, positioning you as a key asset in any modern IT department and accelerating your career in virtualization and cloud infrastructure management.

Duration	40 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Course Introduction and Software-Defined Data Center

- Course introduction and objectives
- Introduction to vSphere and its components
- Understanding the Software-Defined Data Center (SDDC)
- Installing ESXi hosts and vCenter Server
- Configuring vCenter Server Appliance (VCSA) deployment options

02 Module 2: Virtual Machines and vCenter Server Management

- Creating and managing virtual machines
- Working with virtual machine snapshots and templates
- Understanding vCenter Server architecture and concepts
- Managing vCenter Server inventory and permissions
- Configuring vCenter Server security and roles

03 Module 3: vSphere Networking

- Configuring standard switches and virtual machine port groups
- Understanding virtual switch types and policies
- Implementing vSphere Distributed Switches (VDS)
- Configuring vSphere networking best practices
- Troubleshooting basic networking issues

04 Module 4: vSphere Storage

- Understanding storage concepts in vSphere
- Configuring Fibre Channel, iSCSI, and NFS storage
- Managing VMFS datastores
- Working with vSAN (Virtual SAN) overview
- Implementing storage best practices and troubleshooting

05 Module 5: Resource Management and Monitoring

- Configuring CPU and memory resource management
- Implementing resource pools and shares
- Monitoring vSphere performance using vCenter Server tools
- Setting up alarms and alerts for infrastructure health
- Understanding vSphere Distributed Resource Scheduler (DRS)

06 Module 6: High Availability and Data Protection

- Implementing vSphere High Availability (HA) clusters
- Configuring vSphere Fault Tolerance (FT)
- Performing vSphere vMotion and Storage vMotion operations
- Backing up and restoring vCenter Server and virtual machines
- Basic troubleshooting of HA/FT environments

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **VMware Administrator**
- > **Virtualization Engineer**
- > **Cloud Infrastructure Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the specific prerequisites for enrolling in the VMware vSphere: Install, Configure, Manage [V8] course?

While there are no strict formal prerequisites, a solid understanding of computer hardware, operating systems (Windows or Linux), and networking concepts (TCP/IP, DNS) is highly recommended. Prior experience with system administration or data center operations will significantly enhance your learning experience in this intermediate-level course.

Q: How does learning VMware vSphere 8 specifically prepare me for advanced cloud integration roles, beyond just on-premise virtualization?

Mastering vSphere 8 in this course provides a fundamental understanding of software-defined infrastructure, which is a core concept in modern cloud environments. The skills gained in managing virtual machines, networking, and storage within vSphere directly transfer to public and hybrid cloud platforms that leverage VMware technologies, such as VMware Cloud on AWS, Azure VMware Solution, or Google Cloud VMware Engine. It's a critical stepping stone for roles focusing on cloud migration, hybrid cloud architecture, and multi-cloud management.

Q: Will this course cover hands-on scenarios for upgrading older vSphere environments to version 8, or is

it focused solely on fresh installations?

This course primarily focuses on the installation, configuration, and management of new vSphere 8 environments. While it provides a strong foundation for understanding the V8 architecture, it does not extensively cover specific upgrade paths from older versions of vSphere. However, the comprehensive understanding of vSphere 8 components and features gained here is essential knowledge for planning and executing any upgrade project in a production environment.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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