

VMware Data Center Virtualization: Core Technical Skills (DCVCTS)

ID DCVCTS Prezzo 2.450,- € (IVA esclusa) Durata 4 Giorni

Course Overview

This four-day, hands-on training course is an introduction to VMware vSphere®. In this course, you acquire the skills needed to perform Day 2 operational tasks that are typically assigned to the roles of operator or junior administrator in a vSphere environment.

Product Alignment

- VMware ESXi 7.0
- VMware vCenter Server 7.0

Chi dovrebbe partecipare

Technical professionals with basic system administration skills and operators responsible for managing virtual machines using VMware ESXi™ and VMware vCenter Server®

Prerequisiti

This course has the following prerequisites:

- Working knowledge of operating systems
- Understanding of basic network, storage, and computer hardware concepts

Obiettivi del Corso

By the end of the course, you should be able to meet the following objectives:

- Describe virtualization and virtual machines
- Describe vSphere components and the software-defined data center (SDDC)
- Explain the concepts of server, network, and storage virtualization
- Monitor network and datastore configurations in VMware vSphere® Client™
- Deploy, configure, and clone virtual machines

- Migrate, monitor, and manage virtual machines
- Monitor tasks and events in VMware vSphere® Client™
- Recognize how vSphere DRS and VMware vSphere® High Availability improve performance and availability of a vSphere cluster

Contenuti del Corso

Course Introduction

- Introductions and course logistics
- Course objectives

Virtualization and vSphere Concepts

- Describe how virtual machines (VMs) work
- Recognize the purpose of a hypervisor
- Describe how VMs share resources in a virtualized environment
- Recognize the components of an SDDC
- Describe the relationship between vSphere, the SDDC, and cloud computing
- Recognize the functions of the components in a vSphere environment
- Access and view vSphere graphical user interfaces
- Identify VMware solutions that integrate with vSphere in the SDDC

Navigating the vSphere Client

- View and organize the inventory objects managed by vCenter Server
- Add and assign vSphere licenses
- Change the log level of vCenter Server
- Edit the startup policy of ESXi services
- Describe how vCenter Server roles and permissions work
- Add permissions to virtual machines

Lifecycle of Virtual Machines

- Add and remove VM virtual hardware components
- Identify the purpose of different VM files
- Configure VM settings
- Create and delete virtual machines

VMware Data Center Virtualization: Core Technical Skills (DCVCTS)

- Recognize the benefits of installing VMware Tools™
- Install VMware Tools into a guest operating system
- Upgrade VMware Tools and VM hardware compatibility

- Monitor tasks and events in vSphere Client

vSphere Networking

- Describe virtual networking
- Recognize ways that virtual switches connect VMs and ESXi hosts to the network
- View components and properties of a vSphere standard switch configuration
- View a vSphere distributed switch configuration in vSphere Client
- Recognize when and how to use the settings for the security networking policy
- Recognize when and how to use the settings for the traffic shaping networking policy
- Describe how the NIC teaming and failover policy helps maintain network connectivity
- Perform basic checks to diagnose VM connectivity issues

vSphere Clusters

- View information about the services that a vSphere cluster offers
- Recognize how vSphere HA responds to different types of failures
- Monitor vSphere HA during a host failure
- Describe how vSphere DRS works
- Interpret DRS scores given to VMs
- Recognize how to apply the appropriate vSphere DRS automation and migration threshold levels
- Describe how vSphere Fault Tolerance works
- Recognize how Enhanced vMotion Compatibility works

vSphere Storage

- Describe the function of a datastore
- Recognize types of vSphere datastores
- View datastore information in vSphere Client
- Monitor datastore usage in vSphere Client

Virtual Machine Management

- Recognize the benefits of using VM templates
- Create and update a VM template
- Deploy a VM from an existing template
- Clone a virtual machine
- Recognize how to use guest OS customization specifications
- Deploy VMs from a content library
- Deploy a virtual appliance from an OVF template
- Perform a hot and cold migrations of VMs
- Identify requirements for using VMware vSphere® Storage vMotion®
- Perform a vSphere Storage vMotion migration
- Identify use cases for VM snapshots
- Create and manage snapshots of a virtual machine

Resource Monitoring

- Recognize the purpose of each type of VM resource control
- Configure the resource allocation settings of a VM
- Observe the behavior of virtual machines with different share values
- Manage and acknowledge vSphere alarms
- Use performance charts to monitor VM CPU and memory usage

Chi è Fast Lane



Fast Lane è uno dei leader mondiali nella formazione IT, e offre soluzioni formative complete su tutte le tecnologie avanzate Cisco, Microsoft, Amazon Web Services (AWS), Google Cloud, NVIDIA, Red Hat, VMware, Splunk, Aruba Networks, Palo Alto Networks, NetApp, IBM (grazie alla partnership con Arrow ECS, IBM Global Training Provider) e molto altro.

Formazione basata sulle esigenze del cliente

Seguire un corso con Fast Lane non significa unicamente apprendere fondamentali nozioni teoriche.

Gli istruttori, utilizzando laboratori all'avanguardia, forniscono agli studenti esperienze pratiche di problem solving su situazioni che possono verificarsi nell'ambiente lavorativo, trasferendo conoscenze che potranno essere sfruttate immediatamente, incrementando così la produttività e l'efficienza sul lavoro.

Gli istruttori contribuiscono in prima persona allo sviluppo di corsi su tecnologie avanzate ed emergenti, al fine di garantire agli studenti l'accesso ad una formazione sempre aggiornata.

I Servizi Fast Lane

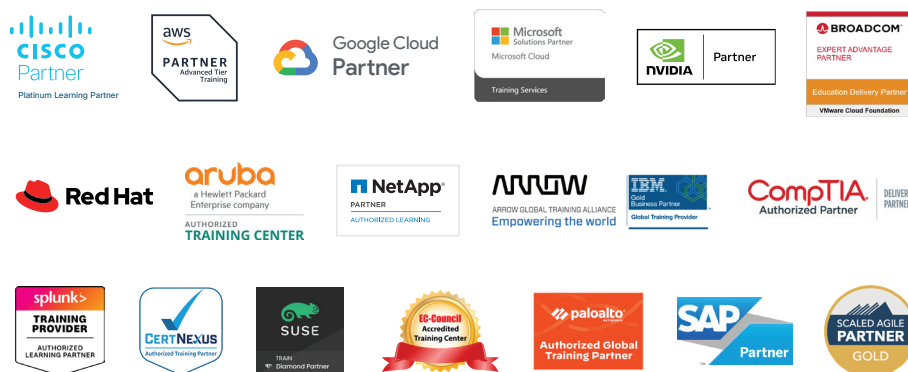
- ✓ Formazione IT High End
- ✓ Formazione Business & Soft Skill
- ✓ Servizi di Consulenza
- ✓ Servizi di Formazione Aziendale
- ✓ Soluzioni di Digital Learning
- ✓ Sviluppo di Contenuti
- ✓ Laboratori Remoti
- ✓ Servizi Gestionali di Eventi

Metodologie Formative

- ✓ Formazione in Aula
- ✓ Formazione Online con Istruttore
- ✓ FLEX Classroom – Formazione Ibrida In Aula e Online
- ✓ Formazione Onsite & Personalizzata
- ✓ E-Learning
- ✓ Formazione Blended & Ibrida

Tecnologie & Soluzioni

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



Presenza Worldwide

Siamo presenti con centri di formazione in oltre 60 paesi



Molteplici premi ricevuti

Dai principali vendor del settore IT



Istruttori Certificati

Oltre 19.000 certificazioni tecnologiche complessive



Per approfondimenti e per ricevere supporto nella definizione di un percorso formativo, contattare il numero **02 255081** o scrivere a **info@flane.it**

Sul sito **www.flane.it** è possibile visualizzare:

- L'offerta formativa completa
- I percorsi di certificazione
- Webinar e articoli tecnici gratuiti