

VMWare Training: Advanced Virtualization Concepts (VMWAREADV, 4 jours)

Description

The course Advanced Virtualization Concepts (VMWare Training) is a comprehensive study of the advanced features of VMWare virtualization technologies. The training includes machine cloning, virtual switches, shared memory configuration and the use of VMotion to name a few.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to VMware Virtualization

Brief Review of Virtualization

Understanding Virtual Machines

Exploring vSphere Components

Server Concepts

Networking Concepts

Storage Virtualization Concepts

vSphere in the Cloud Architecture

Installing vSphere User Interfaces

VMware Virtual Machines

Virtual Machines

Virtual Machine Hardware

Virtual Machine Files

Deploying Virtual Machines

VMware vCenter Server

vCenter Server Architecture

vCenter Server Appliance

Configuring and Managing vCenter Server Appliance

Manage vCenter Server Inventories and Licenses

VMware Virtual Networks

Exploring the Standard Virtual Switch

Creating and Managing Standard Virtual Switches

Exploring and Modifying Standard Virtual Switch Properties

Configuring Virtual Switch Load-Balancing Algorithms

VMware Virtual Storage

Exploring Storage Protocols and Device Names

Configuring ESXi with iSCSI, NFS and Fiber Channel Storage

Creating and Managing vSphere Datastores

Deploying and Managing the VMware vSphere Storage Appliance

Virtual Machine Management

Deploying Virtual Machines using Templates

Deploying Virtual Machines using Cloning

Modifying and Managing Virtual Machines

Creating and Managing Virtual Machines Snapshots

VMware vSphere vMotion Migrations

VMware vSphere Storage vMotion Migrations

Exploring vSphere vApps

Data Protection

Strategies for backing up ESXi Hosts

Strategies for backing up vCenter Servers

Introduction to VMware Data Recovery Appliance

Strategies for backing up Virtual Machines Efficiently

Access And Authentication Control

Controlling User Access through Roles and Permissions

Configuring and Managing the ESXi Firewall

Understanding ESXi Lockdown Mode

Integrating ESXi with Active Directory

Introduction to VMware vShield Zones

Resource Management And Monitoring

Introduction to Virtual CPU and Memory Concepts

Exploring CPU and Memory Optimization Techniques

Configuring and Managing Resource Pools

Monitoring Resources using vCenter Server Performance

High Availability And Fault Tolerance

Introduction to vSphere High Availability (HA) Architecture

Configuring and Managing vSphere HA Clusters

Introduction to VMware Fault Tolerance

Scalability

Exploring VMware Distributed Resource Scheduler (DRS)

Configuring and Managing VMware DRSs

Configuring Enhanced vMotion Compatibility

Using vSphere HA and DRS Together

Patch Management

Managing ESXi Patching using vCenter

Installing Update Manager and Update Manager Plug-ins

Creating Patch Baselines

Scanning and Remediating Hosts