

VMware, administration Workstation et Server



MR-160 3 Days (21 Hours)

Description

This training will teach you how to implement virtualization solutions with VMware Player/Workstation and VMware Server (ex-GSX). She will show you how to conceptualize and implement virtual platforms for the consolidation of your IT systems.

Who is this training for ?

For whom

Systems administrators and engineers, responsible for the integration and management of virtual machines.

Prerequisites

Aucune

Training objectives

Training program

Introduction

- VMware product overview.
- Workstation, Server and ESX.
- Architectures.

Virtualisation sur les stations de travail

- VMware Workstation and VMware Player product.
- Creating virtual machines and installing the Host system.
- Using virtual machines with VMware Open disk manipulation tools Source.
- Creation of groups of VMs (virtual machines).
- Network management: bridge, NAT, host only and tailor-made configuration.
- Advantages and characteristics of this network configuration.
- Practical work Install VMware Workstation, Player and VMware Tools.
- Creating VMs, network configuration.

Virtualisation des serveurs avec VMware Server

- VMware Server (GSX) overview.
- Architecture.
- Administrative interface.
- Remote Console tool.
- Support for multiprocessor architectures.
- Creation of virtual machines and templates.
- Network support options.
- Possibility of fault tolerance with VMware and support.
- Practical work Install VMware Server, a VM and an OS.

Scénario d'utilisation de VMware Server

- VMware Converter, P2V migration tools.
- Use cases for virtual machines.
- Setting up complex system infrastructures, setting up Clusters.
- Manipulating host machine disks outside of VMware.
- Practical work Using VMware Converter.
- Creating a cluster between VMs.

Sauvegardes et restauration

- Backup and restoration of virtual machines.
- Cloning scenarios.
- Usage and implementation.
- Practical work Backup and restoring VMs.

API et scripting

- VMware scripting API.
- Implementation.
- Usage tips.
- Hands-on Install, use VIX APIs to start a VM.

Surveillance du fonctionnement

- Monitoring VMware operation.
- Monitoring virtual machine operation.
- Practical work Monitor activity.

Introduction à VMware ESX

- ESX architecture.
- Characteristics.
- Fundamental differences with VMware Server.
- Installation.
- Setup of virtual machines.