

VMware vSphere 5.5, implement new features



MR-146 2 Days (14 Hours)

Description

This training will allow you to discover the new features of the VMware vSphere 5.5 version. You will learn in particular how to implement new network functionalities, the new high availability architecture as well as optimize the storage and deployment of servers.

Who is this training for ?

For whom

Administrators, systems engineers responsible for managing a VMware vSphere 5.x/4.x infrastructure wishing to delve deeper into the new features of VMware vSphere 5.5.

Prerequisites

Aucune

Training objectives

- Understand areas for improvement on VMware vSphere 5
- 5 Understand the new network features including the ESXi Firewall and Distributed Switches
Optimize storage management with datastore clusters and Storage DRS Understand the new methods of deploying ESXi 5
- 5 servers Upgrade a VMware vSphere 4
- x infrastructure to VMware vSphere 5
- 5

Training program

La nouvelle architecture vSphere

- Improvements effective on ESXi, vCenter and Update Manager components.
- VMware vSphere 5 licenses.
- 5.
- Server installation Single Sign On, Inventory Services.
- vCenter Single Sign On Capabilities.
- Updating vSphere 4 components.
- x to vSphere 5.
- 5.
- Practical work Updating a VMware vSphere 4 infrastructure.
- x to VMware vSphere 5.
- 5.

Administration et gestion des machines virtuelles

- New capabilities of virtual machines.
- Snapshot consolidation.
- Installation, configuration and use of the vSphere Web Client.
- Practical work Using the vSphere Web Client to administer virtual machines.

La gestion du réseau

- Presentation and configuration of the new ESXi 5 Firewall.
- 5.
- Features of Distributed Switch version 5.
- 5 (Link Layer Discovery Protocol, Netflow, Port Mirroring, LACP).
- Network IO Control enhancements.
- Backup and restoration of dvSwitches.
- Practical work Understand the new network features including the ESXi Firewall and Distributed Switches.

La gestion du stockage

- The new vStorage API for Array Integration primitives.
- New features related to Storage vMotion.
- Creation and upgrade of VMFS-5 volumes.
- Setting up storage profiles for VMs.
- Practical work Updating and managing VMFS-5 volumes.
- Optimizing storage management with Datastore and Storage DRS Clusters.

L'évolutivité

- Changes related to resource pool management.
- Backing up Resource Pools.
- VMware VMotion advanced.
- Overview and creation of Datastore Clusters.
- Setting up and configuring VMware Storage DRS.

La haute disponibilité

- Improvements for Fault Tolerance and EVC.
- New VMware HA architecture.
- VMware HA configuration and monitoring.
- vSphere Replication.

Les nouvelles méthodes de déploiement

- Creating custom ESXi installation packages with Image Builder.
- Automated ESXi deployment with VMware Auto Deploy.
- Hands-on Deploy ESXi 5 servers.
- 5.
- Deploy the vCenter Server 5 appliance.
- 5.