

## VMware vSphere 6, implement new features



SII-380 2 Days (14 Hours)

### Description

This training will allow you to discover the new features of the VMware vSphere 6.0 version. You will learn in particular how to implement the new network functionalities of Distributed Switches and the new high availability architecture as well as how to optimize the storage and deployment of servers.

### Who is this training for ?

#### For whom

Administrators of a VMware vSphere 5.x/4.x infrastructure wishing to learn more about the new features of VMware vSphere 6.0.

#### Prerequisites

Aucune

### Training objectives

- Understand and configure the improvements made to virtual machines in vSphere 6.0
- Understand the steps necessary for updating your virtual infrastructure 5.x to
- Master the new version of the web client and its new orientation towards the Cloud
- Deploy vSphere 6 in an existing vSphere environment

### Training program

La nouvelle architecture vSphere

- Market status and trends in the virtualization industry.
- Cloud and Big Data technological directions.
- Actual improvements on ESXi, vCenter and Update components Manager.
- VMware vSphere 6 licenses.
- 0.
- Updating vSphere 5 components.
- x to vSphere 6 .
- 0.
- Practical work Updating a VMware vSphere 5 infrastructure.
- x to VMware vSphere 6.
- 0.

## vCenter Server 6

- Installation process for deploying vCenter Server.
- Migration and thin client constraints.
- The vCenter 6 Linux appliance.
- New PSC (Platform Service Controller) architecture, vCenter Single Sign On capabilities.
- Hands-on Update to vCenter v6, Linux appliance deployment.

## La gestion du stockage et du réseau

- What's new in storage.
- Configuring virtual storage.
- Storage strategies.
- Virtual volumes.
- New virtual network ports.
- The functionalities of Network I/O Control.
- Practical work Configure the network.
- Installation and implementation works on virtual volumes.

## Administration et gestion des machines virtuelles

- New capabilities of virtual machines.
- New features related to VMware vMotion.
- Practical work Updating virtual machines and templates.

## Protection des données

- Data protection under vSphere 6.
- 0.
- Backup with the new VDP (vSphere Data Protection).
- Practical work Deployment and implementation of VDP 6.

## Gestion et supervision de l'infrastructure virtuelle VMware

- Hardware and alarms.
- Update Manager 6.
- Update Manager update, manual and scripted.
- Post-migration actions.
- Practical work Update Update Manager 6.

### L'évolutivité

- VMware VMotion Advanced, vSphere DRS.
- Setting up and configuring VMware Storage DRS.

### La haute disponibilité

- Fault Tolerance enhancements.
- New VMware HA architecture.
- Configure cross-vCenter Server system migration.