

VMWare Training: Infrastructure Planning & Implementation (VIRTUALIS, 4 jours)

Description

The course Infrastructure Planning & Implementation (VMWare Training) makes the case for the planning and implementation of a virtualization infrastructure with VMWare. The course covers everything from basic virtualization technologies to the physical implementation of VMWare virtualization solution. The course covers the complete implementation of high performance networks, high capacity storage and core enterprise servers. The training also includes the implementation and adoption of processes and measurement strategies.

Tarifs

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

Plan de cours

Understanding the Benefits of Virtualization

Why Virtualize?

Identifying the Benefits for your Specific Organization

Identifying the Target Infrastructure's Requirements

Validating the Requirements

Understanding the Overall Architecture of a Virtualized Infrastructure

Designing the Overall Architecture

Designing for Redundancy, Failover and Fault Tolerance

Understanding Network Requirements

Understanding Storage Requirements

Understanding Routing Requirements

Finalizing the High Level Architecture

Understanding the Hardware Requirements

Understanding Server Roles: Core, Slave and Other Services

Understanding Network Requirements: Virtual Networks, Firewalls and Routing

Delving into Network Capacity: Ensuring the Availability of Sufficient Bandwidth

Delving into Storage Requirements: Ensuring Sufficient IO Speed and Storage Space

Delving into Server Capacity: Ensuring Sufficient Hardware to Run Critical Services

Giving Consideration to Power Requirements

Creating a Detailed Architecture Plan

Creating an Implementation Plan

Building the Core Services

Creating a Detailed Implementation Plan for vCenter

Installing and Configuring vCenter

Configuring the Base vCenter Installation

Configuring vCenter Services

Configuring vCenter for Failover

Configuring vCenter Security

Configuring Slaves

Testing the Configuration

Next Steps

Building the Network

Creating a Detailed Implementation Plan for the Network
Configuring Cisco Routers: Virtual Networks and Routing
About Firewalls and Policies
Testing the Topology for Compliance and Performance
Connecting the vCenter Core Services
Testing Virtualization Capabilities
Measuring Performance

An Improvement Plan

Designing a Measurement Strategy
Planning for Measurement Capabilities
Implementing Measurement as a Strategic Activity
Verifying Results
Creating a Service Improvement Plan
Validating Results

Disaster Recovery

Performing a SPOF Analysis
Creating a Detailed IT Service Continuity Plan (ITSCP)
Implementing the ITSCP
Testing the Continuity Plan

Designing Processes for Continued Compliance

Understanding the Need for Processes
Identifying the Critical Processes
Designing the Processes: How and Why?
Implementing the Process
Ensuring Process Compliance

Case Studies

Case Study 1: Small Employer with a Single Site
Case Study 2: Medium Employer with a Single Site
Case Study 3: Large Employer with multiple Canadian Sites
Case Study 4: Large Multinational Employer