



CLOUD COMPUTING AND VIRTUALIZATION TECHNOLOGY

Training Path

Cloud Solution Overview

OU220

Lecture

2d

Desktop Cloud Solution(R3) Deployment and Management

OCL12

Lecture, hands-on

3d

exercise

Target Audience

This program is intended for the personnel who are interested in Cloud.

Operators and maintainers

Administrators

Planners and designers

Prerequisites

Be familiar with PC operating system

Know basic knowledge of datacom

Know basic knowledge of server

Know basic knowledge of storage

Objectives

On completion of this program, the participants will be able to:

- Understand the evolution and benefits of Cloud.
- Describe the network of Cloud.
- Describe the system architecture of Cloud.
- Describe the hardware and software of Cloud.
- Explain the services features running in Cloud platform.
- Describe the application scenario of Cloud Computing
- Describe the key features of Cloud Computing
- Describe the concept and technology of virtual machine
- Describe the concept and technology of virtual network
- Describe the concept and technology of virtual storage
- Describe the basic concept of storage
- Describe the protocol of storage
- Describe the RAID function of storage
- Describe the backup and redundancy technology of storage
- Describe the structure and configuration of server



- Describe the structure and configuration of storage
- Describe the structure of FusionSphere
- Describe the components and functions of FusionSphere
- Describe the installation of FusionSphere
- Describe the routine operations and maintenance of FusionSphere
- Describe the structure of FusionAccess
- Describe the components and functions of FusionAccess
- Describe the installation of FusionAccess
- Describe the routine operations and maintenance of FusionAccess
- Describe the image creation procedure
- Describe the creation and assignment of VM
- Describe the configuration of TC

Training Content

- **Cloud Solution Overview**
 - Cloud computing evolution and characteristics introduction
 - cloud solution Overview
 - cloud solution network
 - cloud solution system architecture
 - cloud solution business characteristics

OCL12 Desktop Cloud Solution Deployment and Management

- Cloud computing foundations
 - The background of cloud computing
 - The concept and features of cloud computing
 - The value of cloud computing
 - The applications of cloud computing
 - The evolution of cloud computing
- Cloud computing technology -- virtualization
 - Virtualization introduction
 - Virtual machine technology
 - Virtual network technology
 - Virtual storage technology
 - VM management technology
- Cloud computing technology -- storage
 - Storage introduction
 - RAID technology



- - Backup and redundancy technology
- Server product introduction
 - Server product introduction
 - Functions of management module
 - RAID configuration
 - Supported OSs
- Storage product introduction
 - Storage product introduction
 - Functions and features
 - System connections
 - Configurations and maintenance
- FusionSphere introduction
 - FusionSphere introduction
 - FusionSphere components
 - FusionSphere functions and features
- FusionSphere installation
 - Introduction
 - Network configuration
 - Deployment principles
 - Data plan
 - Installation procedure
- FusionSphere operations and maintenance
 - System introduction
 - VM management
 - Routine operations and maintenance
- FusionAccess introduction
 - FusionAccess introduction
 - FusionAccess structure and components
 - FusionAccess service process
- FusionAccess installation
 - FusionAccess introduction
 - FusionAccess deployment
 - FusionAccess installation
- FusionAccess operations and maintenance
 - Desktop Cloud Service and Maintenance System introduction



- ■ Functions of Desktop Cloud Service and Maintenance System
- User VM image creation
 - Image introduction
 - Environment requirements of image creation
 - Procedure of image creation
- TC introduction
 - TC introduction
 - TC operations