



Information Technology

HCIA Cloud Computing

Course Introduction

This HCIA-Cloud Computing V4.0 training course is designed to provide participants with the realm of cloud computing. This course places a crucial emphasis on virtualization—an integral technology in the cloud computing landscape. Delving into essential aspects of computing, networking, and storage pertaining to virtualization, the curriculum aims to equip participants with comprehensive insights. By unraveling the distinctive features of virtualization, this course ensures a swift and accessible comprehension of the expansive field of cloud computing. Get ready to navigate the foundational principles that underpin cloud technologies and discover the key role virtualization plays in shaping the future of computing.

Training Course Methodology

This training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, and group discussions.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Define the concept of cloud computing.
- Explore the historical development of cloud computing.
- Enumerate several practical applications of cloud computing.
- Explain the principles of virtualization.
- Differentiate between virtualization and cloud computing.
- Gain knowledge of KVM technology.
- Familiarize oneself with the Huawei FusionSphere virtualization solution.

Course Outline

• Day 01

1.A Brief Introduction to Cloud Computing

- Cloud Computing is already here
- Cloud Computing Definition
- Origin and Development of Cloud Computing
- Cloud Computing Models

2.Introduction to Compute Virtualization

- 2.1 What's a Virtual Machine (VM)
- 2.2 Important Concepts in Compute Virtualization
- 2.3 Computing virtualization implementation process
- 2.4 Cloud Computing and Virtualization
- 2.5 Introduction to KVM
- 2.6 Introduction to FusionCompute

- **Day 02**

- 3.Network Basics for Cloud Computing**

- 3.1 Network Architecture for Virtualization
 - 3.2 Physical Network for Virtualization
 - 3.3 Virtual Network for Virtualization
 - 3.4 Network Features of Huawei Virtualization Product

- **Day 03**

- 4.Storage Virtualization Basics**

- 4.1 Storage Architecture for Virtualization
 - 4.2 Centralized Storage vs. Distributed Storage

- 4.3 Virtualized Storage vs. Non-Virtualized Storage**

- **Day 04**

- 5.Introduction to Virtualization Features**

- 5.1 Introduction to Cluster Features
 - 5.2 Introduction to Virtualization Features
 - 5.3 Introduction to the Features of Huawei's Virtualization Product

- **Day 05**

- 6.Cloud Computing Trends**

- 6.1 Fields Related to Cloud Computing
 - 6.2 Cloud Computing Technologies

- 7. DEMO For HCIA-Cloud Computing Operations**

- DEMO For HCIA-Cloud Computing Operations

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 14, 2025	April 18, 2025	5 days	4250.00 \$	UAE - Dubai
July 28, 2025	Aug. 1, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 1, 2025	Dec. 5, 2025	5 days	4950.00 \$	Thailand - Bangkok