



HCIA - Cloud Computing

Duration	Delivery Method	Level
5 days	Online / Instructor Led	Foundation

The HCIA Cloud Computing v4 course is a Huawei vendor-specific certification that covers Huawei's best practices to enable delegates to start the road toward working and implementing cloud strategies utilising Huawei Cloud Engine Hardware. It covers the introduction of Cloud Computing, Computing virtualisation across several vendors as well as open-source platforms. It covers basic skills in Linux, networking, network virtualisation, storage and distributed storage strategies used in a Huawei Cloud Computing Solution.

This course is intended for IT professionals with an intermediate to advanced knowledge base in networking, Linux, virtualisation and storage technologies will benefit the delegate.

Prerequisite

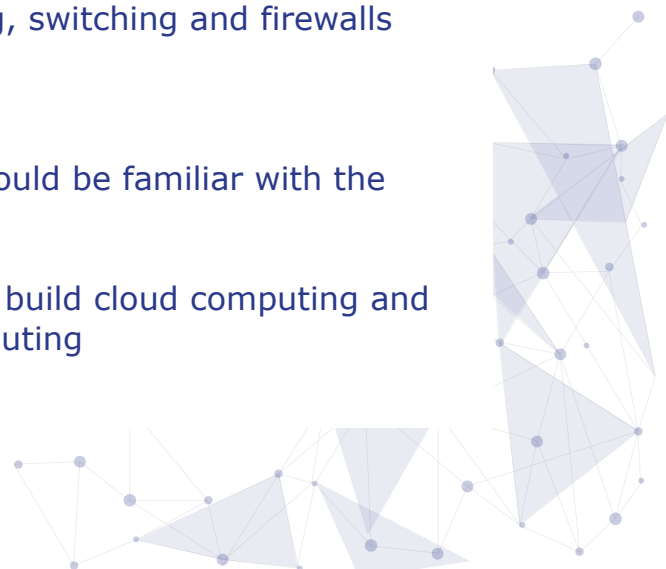
Before attending this course, delegates must:

- Have an understanding of server virtualisation (Hyper-V, VMware, KVM)
- Have working knowledge of storage technologies (RAID, File Systems)
- Have had exposure to hardware routing, switching and firewalls

Course Objective

Upon completion of this course, delegates should be familiar with the following:

- Introduction to Cloud computing
- How to use virtualisation technology to build cloud computing and perform basic operations of cloud computing
- Introduction to virtualisation



Course Content

Module 1: Introduction to cloud computing

- A Brief Introduction to Cloud computing
- Cloud Computing Is Already Here
- Cloud Computing Advantages
- Cloud Computing Definition
- Origin and Development of Cloud Computing
- Cloud Computing Models
- Virtual Network for Virtualisation
- Network Features of Huawei Virtualisation Product

Module 2: Introduction to Compute Virtualisation

- Compute Virtualisation
- Introduction to KVM
- Introduction to Fusion Compute
- Introduction to Virtualisation

Module 3: Network Basics for Cloud Computing

- Network Architecture for Virtualisation
- Physical Network for Virtualisation

Module 4: Storage Virtualisation Basics

- Storage Architecture for Virtualisation
- Physical Disk Types and Related Technique

Module 5: Introduction to Virtualisation features

- Introduction to Cluster Features
- Introduction to Virtualisation Features
- Introduction to the Features of Huawei's Virtualisation Product

Module 6: Storage Features of Huawei's Virtualisation Product



- Centralised Storage vs. Distributed Storage
- Virtualised Storage vs. Non-Virtualised Storage
- Introduction to VM Disk

Module 7: Cloud Computing Trends

- Fields Related to Cloud Computing
- Cloud Computing Technologies
- Cloud Computing Trends
- Other Emerging Technologies

