

# HCIA-Cloud Computing V5.0 Release Notes

Version	Owner	Date	Description
V4.0	Ma Sisheng/ 490950	May 14, 2019	Used the V4.0 training materials, lab guides, and question library.
V5.0	Ma Sisheng/ 490950	September 14, 2022	Used the V5.0 training materials, lab guides, and question library.  V5.0 will be released on September 14, 2022, and V4.0 will be unavailable after March 14, 2023. The old and new versions coexist for 6 months.

This document is applicable to the certification products whose versions are updated. It is used to compare the training materials, lab guides, and exam content of the earlier and later versions. The content and proportion of the added, deleted, or optimized knowledge points need to be described in detail.

## 1 Change Description of Training Materials

### Training Material 1: Cloud Computing Basics

Knowledge Point	V4.0	V5.0	Change Description
1. IT Basics	5%	2%	Revised the description of technology development trend.
2. About Cloud Computing	5%	2%	Revised the description of cloud computing.
3. Mainstream Cloud Computing Vendors and Technologies	0%	1%	Added the introduction to mainstream cloud computing technologies.

### Training Material 2: Server Basics

Knowledge Point	V4.0	V5.0	Change Description
1. Introduction to Servers	0%	1%	Added the introduction to server products.

Knowledge Point	V4.0	V5.0	Change Description
2. Key Server Technologies	0%	1%	Added the description of server features.

#### Training Material 3: Storage Technology Basics

Knowledge Point	V4.0	V5.0	Change Description
1. Storage Basics	2%	2%	/
2. Key Storage Technologies	3%	3%	Revised the introduction to storage protocols and added the introduction to RAID 2.0.

#### Training Material 4: Network Technology Basics

Knowledge Point	V4.0	V5.0	Change Description
1. IP Address Basics	0%	2%	Added the description of IP addresses.
2. Introduction to Network Technologies	5%	2%	Revised the introduction to network technologies.
3. Switching Basics	5%	3%	Revised the introduction to switching technologies.
4. Routing Basics	0%	3%	Added the introduction to the routing technologies.

#### Training Material 5: Operating System Basics

Knowledge Point	V4.0	V5.0	Change Description
1. Operating Systems Basics	0%	2%	Added the introduction to operating systems.
2. Linux Basics	0%	2%	Added the description of basic Linux operations.

#### Training Material 6: Virtualization

Knowledge Point	V4.0	V5.0	Change Description
1. Virtualization	5%	5%	Revised the introduction to virtualization technologies.

Knowledge Point	V4.0	V5.0	Change Description
2. Mainstream Virtualization Technologies	15%	5%	Revised the introduction to KVM and Xen.

#### Training Material 7: Huawei Virtualization Platform

Knowledge Point	V4.0	V5.0	Change Description
1. Introduction to FusionCompute	5%	5%	Revised the introduction and architecture of FusionCompute.
2. FusionCompute Planning and Deployment	10%	5%	Revised the introduction to FusionCompute planning and deployment.

#### Training Material 8: Huawei Virtualization Platform Management and Usage

Knowledge Point	V4.0	V5.0	Change Description
1. Introduction to FusionCompute Compute Virtualization	10%	5%	Revised the introduction to FusionCompute.
2. Introduction to FusionCompute Storage Virtualization	5%	5%	/
3. Introduction to FusionCompute Network Virtualization	5%	5%	/
4. FusionCompute Virtualization Platform Management	10%	5%	Revised the description of features, and deleted the content of troubleshooting.

#### Training Material 9: Overview of FusionAccess

Knowledge Point	V4.0	V5.0	Change Description
1. Overview of FusionAccess	0%	1%	Added the introduction to FusionAccess.

Knowledge Point	V4.0	V5.0	Change Description
2. Introduction to FusionAccess Components	0%	2%	Added the introduction to FusionAccess components.
3. Introduction to HDP	0%	2%	Added the description of HDP.
4. Introduction to FusionAccess Application Scenarios	0%	1%	Added the introduction to FusionAccess application scenarios.

#### Training Material 10: FusionAccess: Planning and Deployment

Knowledge Point	V4.0	V5.0	Change Description
1. FusionAccess Component Planning and Deployment	0%	4%	Added the description of FusionAccess components, and their planning and deployment.
2. FusionAccess Installation	0%	3%	Added the installation process of FusionAccess.
3. FusionAccess Initial Configuration	0%	2%	Added the initial configuration of FusionAccess.

#### Training Material 11: FusionAccess: Service Provisioning

Knowledge Point	V4.0	V5.0	Change Description
1. Service Encapsulation	0%	3%	Added the introduction to the service encapsulation mode of FusionAccess.
2. Template Creation	0%	2%	Added the template creation of FusionAccess.
3. Virtual Desktop Provisioning	0%	5%	Added the description of virtual desktop provisioning.

#### Training Material 12: FusionAccess: Features and Management

Knowledge Point	V4.0	V5.0	Change Description
1. Policy Management	0%	2%	Added the description of FusionAccess policy management.

Knowledge Point	V4.0	V5.0	Change Description
2. Service Adjustment	0%	2%	Added the description of FusionAccess service adjustment.
3. Alarm Handling	0%	1%	Added the description of FusionAccess alarm handling.

## Training Material 13: Cloud Computing Trends

Knowledge Point	V4.0	V5.0	Change Description
1. OpenStack Overview	0%	2%	Added the introduction to OpenStack.
2. Overview of Emerging Technologies	0%	2%	Added the introduction to blockchain and cloud native.

## 2 Change Description of Lab Guides

Lab Guide 1: *HCIA-Cloud Computing V5.0 Lab Guide (Basic Exercises)*

Knowledge Point	V4.0	V5.0	Change Description
1. Storage Configuration	0%	5%	Added the exercise of storage configurations.
2. Basic Switch Configuration	0%	5%	Added the exercise of basic switch configurations.
3. Layer 2 and Layer 3 Interoperability	0%	5%	Added the exercise of interconnecting Layer 2 with Layer 3.
4. KVM Environment Installation and Resource Provisioning	0%	5%	Added the exercise of KVM environment installation and resource provisioning.

Lab Guide 2: *HCIA-Cloud Computing V5.0 Lab Guide (FusionCompute)*

Knowledge Point	V4.0	V5.0	Change Description
1. FusionCompute Environment Setup	30%	10%	Revised the environment setup procedure.

Knowledge Point	V4.0	V5.0	Change Description
2. FusionCompute Resource Management	10%	5%	Revised the description of FusionCompute resource management.
3. FusionCompute VM Provisioning and Management	45%	15%	Revised the description of FusionCompute VM provisioning.
4. FusionCompute O&M Operations	15%	5%	Deleted manual backup and license management operations.

### Lab Guide 3: HCIA-Cloud Computing V5.0 Lab Guide (FusionAccess)

Knowledge Point	V4.0	V5.0	Change Description
1. FusionAccess Environment Setup	0%	15%	Added the FusionAccess environment setup.
2. Service Provisioning of FusionAccess	0%	15%	Added the description of FusionAccess service provisioning.
3. FusionAccess O&M	0%	10%	Added the description of FusionAccess O&M.

## 3 Change Description of Exam Content

### 3.1 Certification Exam Content:

Knowledge Point	V4.0	Knowledge Point	V5.0	Change Description
1. About Cloud Computing	7%	1. General Knowledge of Cloud Computing 1.1 Cloud Computing Basics 1.2 Server Basics 1.3 Storage Technology Basics 1.4 Network Technology Basics 1.5 Operating System Basics	26%	Added basic exam content for cloud computing, including servers, storage devices, networks, and operating system technologies.
2. Virtualization	88%	2. Introduction to	35%	Revised FusionCompute

Knowledge Point	V4.0	Knowledge Point	V5.0	Change Description
2.1 Virtualization in Cloud Computing 2.2 Storage in Cloud Computing 2.3 Network in Cloud Computing 2.4 Virtualization Features		FusionCompute 2.1 Virtualization 2.2 Huawei Virtualization Platform 2.3 Huawei Virtualization Platform Management and Usage		exam content.
	N/A	3. Overview of FusionAccess 3.1 Overview of FusionAccess 3.2 FusionAccess: Planning and Deployment 3.3 FusionAccess: Service Provisioning 3.4 FusionAccess: Features and Management	35%	Added FusionAccess exam content.
3. Cloud Computing Trends	5%	4. Overview of Emerging Technologies	4%	Added exam content for OpenStack, blockchain, and cloud native technologies.