

HCIA-Storage

Huawei Certified ICT Associate-Storage

Positioned as training and certification for engineers who have basic knowledge about storage

technologies and basic product O&M management capabilities

Overview

Engineers have knowledge and skills in storage technology trends, basic storage technologies,

Huawei intelligent storage products and features, and storage system O&M management, are capable

of performing basic deployment, O&M, and management on storage systems, and have skills

essential for positions such as enterprise storage engineers and IT technical support.

Objectives

After completing the training, you will be able to:

- Understand definitions of information and data.
- Understand development trends of data storage products.
- Understand functions and components of controller enclosures and disk enclosures.
- Understand concepts of scale-up and scale-out, as well as related cables and interface modules.
- Understand working principles of RAID 2.0+.
- Understand dynamic RAID and RAID-TP.
- Understand common protocols used in storage systems.
- Understand working principles and characteristics of different protocols.
- Understand storage network architecture evolution.
- Understand storage networking technology evolution.
- Be familiar with the features and positioning of storage products.
- Understand DeviceManager, CLI, and UltraPath storage system management tools.
- Understand service characteristics, implementation principles, and application scenarios of
- resource tuning technologies.

- Understand service characteristics, implementation principles, and application scenarios of data
- protection technologies.
- Be familiar with common storage system O&M management tools and typical O&M processes.

Training Content

1. Storage Technology Trends

Storage Technology Trends

2. Basic Storage Technologies

Intelligent Data Storage System

RAID Technologies

Common Storage Protocols

Storage Network Architecture

3. Huawei Intelligent Storage Products and Features

Huawei Intelligent Storage Products

Storage System Operation Management

Storage Resource Tuning Technologies and Applications

Storage Data Protection Technologies and Applications

4. Storage System O&M Management

Storage System O&M Management

HCIP-Storage

Huawei Certified ICT Professional-Storage

Training and certificating senior engineers with capability of planning and design, deployment and implementation, management and O&M, as well as troubleshooting of storage systems.

Overview

With HCIP-Storage V5.0 certification, you will understand and master the knowledge about storage product technologies, principles and application scenarios of storage advanced features, and skills about planning and design, deployment and implementation, management and O&M, as well as troubleshooting of storage systems; which enables you to be competent for enterprise storage system administrator, senior engineer, IT senior technical support and other positions.

Objectives

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

- Have a good command of the concepts and working principles of the Hyper and Smart series flash storage technologies
- Be familiar with the application scenarios and configuration methods of Hyper and Smart series technologies
- Master the process, content, and common tools of storage planning and design
- Be familiar with the installation and deployment of flash storage and distributed storage
- Be familiar with features, principles, application scenarios, and configuration processes of distributed storage technologies
- Be familiar with the product positioning, software and hardware architecture of various types of storage devices

- Have a good command of key features and typical application scenarios of storage products
- Have a good command of storage O&M operations
- Be familiar with the storage troubleshooting process and method

Training Content

Flash Storage Technology and Application

- Hyper Series Technology and Application
 - Hyper series technologies concepts and application scenarios
 - Working principles and configuration methods
- Smart Series Technology and Application
 - Smart series technologies concepts and application scenarios
 - Working principles and configuration methods
- Storage Design and Implementation
- Storage Planning and Design
 - Planning and Design process, content and tools
- Storage Installation and Deployment
 - Installation and deployment process of flash storage
 - Installation and deployment process of distributed storage
- Distributed Storage Technology and Application
- Distributed Storage Technology and Application
 - Block service features
 - Object service features
 - HDFS service features
 - File service features
- Storage System Introduction
- All-Flash Storage Introduction
 - All-Flash Storage product positioning
 - Hardware and software architectures
 - Key features and technical advantages
 - Typical application scenarios
- Hybrid Flash Storage Introduction
 - Hybrid Flash Storage product positioning
 - Hardware and software architectures
 - Key features and technical advantages
 - Typical application scenarios
- Distributed Storage Introduction

- Distributed Storage product positioning
- Hardware and software architectures
- Key features and technical advantages
- Typical application scenarios
- Hyper-Converged Storage Introduction
 - Hyper-Converged Storage product positioning
 - Hardware and software architectures
 - Key features and technical advantages
 - Typical application scenarios
- Storage Maintenance and Troubleshooting
- Storage Maintenance and Troubleshooting
 - Storage O&M methods
 - Troubleshooting process

HCIE-Storage

Huawei Certified ICT Expert – Storage

Aiming to train and certificate storage solution experts with capability of requirement analysis, planning and design, deployment and implementation, advanced O&M management, and troubleshooting

Overview

Have a good command of key technical principles, planning and design processes, deployment

implementation methods and tools, advanced O&M management, and troubleshooting of typical

store solutions, such as storage data backup and storage data migration; are able to design, manage, build and develop high availability storage solutions; which makes you competent to be

a storage solution expert, storage architect and other positions.

Objectives

After completing this training, trainees will be able to:

- Understand the positioning, software and hardware architectures, key features, and typical application scenarios of Huawei storage products.
- Understand the documentation system and learning path of Huawei storage.
- Get familiar with data protection basics.
- Understand backup solutions.
- Understand the active-passive, active-active, and geo-redundant disaster recovery solutions.
- Get familiar with the concepts, contents, and processes of storage planning and design.
- Understand the overview of data migration.
- Describe the technical principles of various data migration solutions.
- Understand Huawei data migration solution.
- Describe the data migration solution planning and design.
- Have a good command of the operations of Huawei storage O&M tools.
- Understand the contents and process of storage system O&M and management.

- Have a good command of storage system troubleshooting methodologies.

Training Content

Data Storage Technology Presentation

- Flash Storage Technology Presentation
 - Product Introduction
 - Software Technologies
 - Flash Storage Features
 - Typical Application Scenarios
- Data Protection Product Technology Presentation
 - OceanProtect Backup Storage
 - Data Protection Appliance
 - OceanStor BCManager
- Scale-Out Storage Technology Presentation
 - Product Introduction
 - Key Technologies
 - Key Features
- Hyper-Converged Infrastructure Technology Presentation
 - Hyper-Converged Infrastructure Overview
 - FusionCube Product Introduction
 - FusionCube Key Components
 - Data Center Solutions
 - Enterprise Branch Solutions
- Storage Learning Paths
 - Storage Documentation
 - Storage Tools
 - Learning Paths

Data Protection Solution

- Data Protection Basics
 - Overview of Data Protection
 - Disaster Recovery Basics
 - Backup Basics
- Backup Solutions
 - Solution Overview
 - Solution Architecture
 - Key Technologies
- Active-Passive DR Solution
 - Solution Overview
 - Solution Architecture
 - Key Technologies
- Active-Active DR Solution

- Solution Overview
- Solution Architecture
- Key Technologies
- Geo-Redundant 3DC DR Solution
 - Solution Overview
 - Geo-Redundant DR Networking Schemes
 - Geo-Redundant DR Technologies
 - DR Management
- Data Protection Solution Planning and Design
 - Planning and Design Overview
 - Storage Planning and Design Tools
 - Data Protection Solutions
 - Backup Solution Planning And Design
 - DR Solution Planning and Design

Data Migration Solution

- Data Migration Basics
 - Data Migration Overview
 - Introduction to Data Migration Technologies
- Migration Solution Planning and Design
 - Introduction to the Data Migration Solution
 - Planning and Implementation of the Data Migration Solution

Data Storage Management and O&M

- Huawei Data Management System
 - Development Trend of Data Management
 - Huawei Data Management System
 - Data Management and Operation Products
- Data Storage Management and O&M Practices
 - Storage System Operation Management
 - Introduction to Intelligent Storage O&M
 - DME Storage Deployment and Configuration
- Storage System Troubleshooting
 - Fault Overview
 - Troubleshooting Preparations
 - Case Analysis