GALILEU

HCIA Routing & Switching Fast Track

Huawei

- **Nível:** Avançado
- **Duração:** 35h

Sobre o curso

With HCIA certification, you demonstrate a basic understanding of small and medium-sized networks, including general network technologies, and the ability to assist the design of small and medium-sized networks, and implement the designs using Huawei routing and switching devices.

This 5 day HCIA Routing & Switching fast track course prepares you for the H12-211 exam.

Online Course

[Enroll to access this online (MOOC) HCIA Routing & Switching course](#) that will help you prepare for the big training day. Make sure you take the time to work through as much of the content as possible to ensure a better instructor-led experience.

Objetivos

- Configure link aggregation, VLAN to enhance the performance of Layer two networks
- Configure HDLC, PPP, PPPoE to implement WAN interconnection
- Performing NAT Configuration
- Configure ACL, AAA, and IPSec/GRE to provide security solutions for IP networks
- Configure SNMP to manage networks in a unified manner
- Know about principle of MPLS and Segment Routing
- Describe the basic principles of data communication and be competent for basic O&M of IP networks
- Plan and design IP addresses
- Performing Basic VRP Operations
- Describe the functions and working principles of the switching equipment
- Set up an efficient switching network by configuring switching devices and running the STP/RSTP protocol
- Describe the basic principles of routing and routing protocols. Configure OSPF to build an efficient routing network
- Configure common services on enterprise networks, such as DHCP, FTP, and Telnet, so that engineer

can efficiently use and manage the network

Destinatários

This course is aimed at technicians who must take the HCIA certification exam, having already acquired knowledge equivalent to that provided by a similar certification with other vendors

Pré-requisitos

Equivalent certification from another vendor, like Cisco Certified Network Associate

Programa

HCIA Routing&Switching Entry

- Establishing a Single Switched Network
- FTP Protocol Principles
- Rapid Spanning Tree Protocol
- RIP Static Route
- Basic Knowledge of TCP/IP
- Basic Knowledge of IP Routing
- DHCP Protocol Principles
- Link State Routing with OSPF
- Introduction to the VRP
- Spanning Tree Protocol
- Telnet Protocol Principles

HCIA Routing&Switching Intermediate

- Advanced switching technologies
- Ipv6 Application Service – DHCPv6
- Segment Routing basic principle
- IPv6 Routing Technologies
- Introducing IPv6 Networks
- Principles and Configuration of PPPoE
- MPLS basic principle
- Introduction to Network Management
- Introduction to Access Contro

- Principles and Configuration of HDLC and PPP

HCIA Routing&Switching Entry

- Establishing a Single Switched Network
- FTP Protocol Principles
- Rapid Spanning Tree Protocol
- RIP Static Route
- Basic Knowledge of TCP/IP
  - Introduction to Transmission Media
  - Ethernet framing
  - IP addressing
  - ICMP protocol
  - ARP protocol
  - Transport layer protocol
  - Data forwarding Scenario
- Basic Knowledge of IP Routing
- DHCP Protocol Principles
- Link State Routing with OSPF
- Introduction to the VRP
  - VRP Foundation
  - Navigating the CLI
  - File System Navigation and Management
  - VRP Operating system Image management
- Spanning Tree Protocol
- Telnet Protocol Principles

HCIA Routing&Switching Intermediate

- Advanced switching technologies
  - Link aggregation
  - VLAN Principle
  - VLAN Routing
- Ipv6 Application Service – DHCPv6
- Segment Routing basic principle
- IPv6 Routing Technologies
- Introducing IPv6 Networks
- Principles and Configuration of PPPoE
- MPLS basic principle
- Introduction to Network Management
  - Simple Network Management Protocol

- Introduction to Access Control
  - Network address translation
  - Access control list
  - AAA
  - Securing Data with IPsec VPN
  - Generic Routing Encapsulation
- Principles and Configuration of HDLC and PPP