

HCIA Routing & Switching Fast Track

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 16 Mai. 2022 a 20 Mai. 2022
- **Preço:** 2000€
- **Horário:** Laboral - das 9h00 às 17h00
- **Duração:** 35 horas

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.

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

Objectivos

- 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
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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
 - 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