

## HCIA-Routing and Switching

**Duration: 5 Days**    **Course Code: HCIA-RS**

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### Overview:

This course is an introduction to Huawei Certified ICT Associate-Level Routing and Exchange Course. This course introduces basic concepts and basic network knowledge of routing and switching.

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### Target Audience:

Personnel who want to become data communication engineers  
Personnel who want to obtain HCIA-R&S certification

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### Objectives:

- On completion of this program, the participants will be able to:
  - 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.
  - 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.
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### Prerequisites:

- Be familiar with PC operations
  - Have a basic understanding of IT technologies and network knowledge
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### Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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