

COURSE DETAILS

Course Code:	IERN
Current Version:	1.0
Delivery Type:	Instructor-led
Duration:	5 days
Maximum Class Size:	14
Associated Certification(s):	None

PREREQUISITES

- Be familiar with IPv4 class-based IP addresses, classless IP addresses, and IP subnetting.
- Be familiar with the basic working principles and configuration of routers.
- Be familiar with static routing principles and configuration.

COURSE OBJECTIVES

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

- Describe the working principles of OSPF, BGP, MP-BGP, IGMP, PIM-SM, and PIM-DM.
- Configure VRP-based OSPF for IP connectivity in a large-scale routing network.
- Configure VRP-based BGP and use BGP route attributes and route policy to select and filter routes in a large-scale enterprise network as required.
- Describe the functions and basic principles of BGP reflection and AS confederations for BGP.
- Describe the basic concepts and application scenarios of BGP multi-homing.
- Configure VRP-based IGMP, PIM-SM, and PIM-DM to implement multicast services.
- According to the performance and service requirements of Enterprise networks, selecting proper Huawei Enterprise-level routers to construct the routing networks with high flexibility, reliability and performance.
- Locate and rectify routing problems in a Enterprise network by using troubleshooting methods provided in routing protocols.

WHO SHOULD ATTEND

This program is intended for those who are to take the HCDP-IERN certification exam and those who hope to grasp advanced knowledge of IP routing protocols, features of Huawei high-end and middle-range routers, and construction of an enterprise-class IP routing network.