

Advanced Routing: CNVT 2010

Cisco Certified Network Professional (CCNP) Enterprise Advanced Routing: provides students with an in-depth knowledge to support the implementation and troubleshooting of advanced routing technologies and services including layer 3 Virtual Private Network (VPN) services, infrastructure security and infrastructure services used in enterprise networks

As a result of this course, a student will be able to:

- Implement and troubleshoot advanced Enhanced Interior Gateway Routing Protocol (EIGRP) features for IPv4 and IPv6 in a small to medium-sized business network
- Implement and troubleshoot multiarea Open Shortest Path First (OSPF) v2 and v3 to enable internetwork communications
- Configure and troubleshoot Border Gateway Protocol (BGP) with advanced features, explain the processes used by BGP for path selection
- Troubleshoot and modify Route Maps, conditional forwarding issues, and route redistribution between routing protocols
- Explain the impact of Variable Frame Rate (VFR) and Multi-Protocol Label Switching (MPLS) on routing decision
- Configure Dynamic Multipoint Virtual Private Network (DMVPN) and Internet Protocol Security (IPsec) DMVPN with Pre-Shared Authentication

