GTC Transforming Emerging Economies

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ENARSI – Implementing Cisco Enterprise Advanced Routing and Services

COURSE OVERVIEW

The ENARSI – Cisco Enterprise Advanced Routing and Services course provides in-depth knowledge and practical skills for configuring, troubleshooting, and managing advanced routing and infrastructure services in enterprise networks. This course covers key topics such as Layer 3 routing, VPN services, infrastructure security, and automation, enabling participants to build and maintain scalable, resilient, and secure enterprise networks. Through hands-on labs and real-world scenarios, learners will enhance their expertise in advanced routing protocols, including EIGRP, OSPF, BGP, and redistribution, as well as techniques for implementing advanced network services and troubleshooting complex network issues.

WHO SHOULD ATTEND?

The course is designed for network engineers, network administrators, network support technicians, and IT professionals responsible for implementing, managing, and troubleshooting enterprise network infrastructures. It is also suitable for systems engineers, network architects, and individuals preparing for the Cisco CCNP Enterprise certification. This course is ideal for those seeking to deepen their knowledge of advanced routing protocols, VPN technologies, network security, and automation to enhance their ability to build and maintain robust enterprise networks.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:
- Configure and troubleshoot Layer 3 routing protocols, including EIGRP, OSPF, and BGP.
- Implement and manage VPN technologies such as DMVPN, IPsec, and MPLS Layer 3 VPNs.
- Apply advanced routing techniques and route redistribution to optimize network performance.
- Enhance network security through infrastructure security mechanisms and best practices.
- Utilize automation tools and techniques to streamline network management tasks.
- Diagnose and resolve complex enterprise network issues effectively.
- Design and implement scalable, resilient, and secure network architectures.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;
- Configuring and troubleshooting advanced routing technologies.
- Implementing Layer 3 technologies including EIGRP, OSPF, and BGP.
- Managing route redistribution and path control.
- Securing routing solutions using infrastructure security features.
- Implementing and troubleshooting VPN services.
- Utilizing advanced infrastructure services such as HSRP, VRRP, and GLBP.
- Preparing for the Cisco Certified Network Professional (CCNP) Enterprise certification.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded