Implementing Cisco IP Routing

Overview:
This 5 day course is designed to provide professionals working with medium to large networks with the skills and knowledge required to incorporate advanced routing concepts when implementing scalability for Cisco routers that are connected to LANs and WANs. Delegates will be able to dramatically increase the number of routers and sites using these techniques instead of redesigning the network when additional sites or wiring configurations are added. Labs are an important feature of this course with 2 different types of labs being used to aid learning, discovery labs are instructor guided labs through which students explore new topics in an interactive way, the challenge Labs are designed to test students understanding of the topics being taught and to provide vital hands-on practice.

This course is worth 40 Credits in the Continuing Education Program

Target Audience:
This course is intended for Network professionals who want to correctly implement routing based solutions within a given network design, using Cisco IOS services and features, where implementation includes planning, configuring and verification.

Objectives:
- After you complete this course you will be able to:
  - Implement route redistribution using filtering mechanisms
  - Describe routing protocols, different remote connectivity options, and their impact on routing and implement RIPng
  - Implement path control using policy based routing and IP SLA
  - Configure EIGRP in IPv4 and IPv6 environment
  - Secure Cisco routers according to best practices and configure authentication for routing protocols
  - Implement enterprise Internet connectivity
  - Configure OSPF in IPv4 and IPv6 environment
  - Configure EIGRP in IPv4 and IPv6 environment

Prerequisites:
- This exam is required for those delegates wishing to achieve either the Cisco Certified Network Professional for Routing and Switching or the Cisco Certified Design Professional Certifications

Testing and Certification
- Recommended preparation for exam(s):
  - 300-101 ROUTE - Implementing Cisco IP Routing
  - Practical experience in installing, operating and maintaining Cisco routers & switches in an enterprise environment is recommended.

Follow-on-Courses:
The following courses are recommended for further study:
- SWITCH - Implementing Cisco Switched Networks
- TSHOOT - Troubleshooting and Maintaining Cisco IP Networks
- ARCH - Designing Cisco Network Architectures
- QOS - Implementing Cisco Quality of Service
- BGP - Configuring BGP on Cisco Routers
- MPLS - Implementing Cisco MPLS

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### Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931
info@globalknowledge.co.uk
www.globalknowledge.com/en-gb/

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