Nokia Scalable IP Networks
self-study guide

Preparing for the Network Routing Specialist I (NRS I) Certification Exam (4A0-100)
The Nokia Scalable IP Networks Self-Study Guide provides IP professionals with a self-directed learning option for the Nokia Network Routing Specialist I (NRS I) certification. This comprehensive guide:
• Covers course material addressed in the Nokia Scalable IP Networks course from the Nokia Service Routing Certification Program
• Is designed to give students the introductory knowledge required to work successfully in an IP/MPLS and Carrier Ethernet environment that delivers consumer and business services
• Includes detailed exam questions and lab exercises
• Prepares students to write the NRS I exam (4A0-100)

Key benefits of the self-study guide
You get all the resource material and lab exercises that are required to confidently pass the NRS I Certification exam with these additional benefits:
• Prepare for the exam on your schedule and at a time that is convenient to you
• Study at your own pace
• Review materials and lessons where and when you want

Learning outcomes
After reading this book and completing all exercises you will be able to:
• Describe the purpose and operation of common Layer 2 technologies
• Describe the IP forwarding process
• Develop an IP address plan using IP subnetting and address summarization
• Explain the characteristics of dynamic routing protocols and configure basic IP routing using OSPF and BGP
• Explain the operation of the Transmission Control Protocol (TCP)
• Describe MPLS and how it is used to provide Layer 2 and Layer 3 VPN services across a common provider core
• Be well prepared to write the NRS I exam

What the self-study guide includes:
• 11 comprehensive chapters with detailed lessons and exam questions:
  1. Introduction to Networking
  2. The Nokia 7750 SR AND 7450 ESS Components and the Command Line Interface
  3. Ethernet and Layer 2 Protocols
  4. Switched Networks, Spanning Tree, and VLANs
  5. IP Addressing
  6. IP Forwarding and Services
  7. TCP and UDP
  8. Introduction to IP Routing
  9. OSPF
  10. BGP
  11. MPLS and VPN Services

Plus:
• Lab exercises to reinforce learning points
• A CD with sample exam questions and lab exercises

About the NRS I certification
The NRS I certification is the starting point for the Nokia Service Routing Certification (SRC) Program and is designed to equip IP professionals with a solid knowledge of IP and Ethernet technologies. The NRS I certification also establishes a strong foundation for the Network Routing Specialist II, Triple Play Routing Professional and Service Routing Architect certifications from the SRC program. There are two options to prepare for the Nokia NRS I certification — you can attend one of the Nokia Scalable IP Networks classes held globally or read the Nokia Scalable IP Networks Self-Study Guide. Certification is valid for three years. You will be required to re-write the Nokia Scalable IP Networks exam (4A0-100) in order to maintain a valid certification.

Buy the self-study guide now!

Learn more about the Service Routing Certification (SRC) program
Visit networks.nokia.com/src to learn more about this industry-leading certification program.