

Nokia Training and Certification

Network Optimization, Diagnostics and Scripting

Nokia for
Business

Course Overview

Network Optimization, Diagnostics and Scripting is a one-day instructor-led course that analyzes Nokia security installations. The course focuses on the diagnosis of Nokia IPSO and Check Point Firewall-1, as well as network and data loss problems.

Training covers diagnostic theory, method, and tools in a complete Check Point-on-Nokia IPSO security system.

As part of the hands-on training, you will manage a firewall in a realistic network environment and will learn to use network diagnosis tools on Nokia IPSO and on other platforms in both a normally functioning environment and in a realistic simulated problem environment.

Course Topics

Topics covered in this course include:

- Nokia IPSO diagnostics and installation with the boot manager
- Command line Nokia IPSO and package installation, and packaged diagnostics tools
- 30-minute overview of the UNIX text editor and other tools
- Packet diagnostics, tracing and integration with PC tools like Ethereal
- Logging, syslog, firewall logs, log rotation
- Nokia IPSO configuration system
- Check Point DBEDIT
- Remote scripting
- System variables and analysis



Prerequisites

To benefit most from this course, you must have attended *NSA Foundation* or the *NSA I* training, or you should have your NSA certification. Check Point CCSE and Provider-1 certification is also required.

Who Should Attend

If you are a technical support representative tasked with the design, installation, and operation of Nokia security solutions in complex integrated environments, you should attend this course. If you are commonly involved in diagnosis of traffic flow or system problems in a Nokia security system, you would benefit from this training.

Course Objectives

Upon completing this course, you will be able to:

- Recognize common symptoms and common types of network and system disruption
- Collate accurate system information from logs and configurations of both Nokia IPSO and Check Point Firewall-1
- Automate simple checks and analyses
- Trace network problems, such as packet loss, systematically through a Nokia IPSO and Check Point Firewall system
- Identify relevant areas of mis-configuration or resource limitation

Contact Information

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