



ExperTech 2.0: Information Security Fundamentals

PROGRAM OVERVIEW

The ExperTech 2.0 series is a library of CD-ROM or intranet-based products covering key communications topics. Seminar style presentations provide telecom professionals with easy access to the information they need. Topics are presented by Hill Associates instructors renowned for their technical expertise, industry experience, and outstanding presentation style.

Security is on everyone's mind today. But it is not a product or a box (e.g., a firewall) that is purchased and plugged into a network. Nor is information security simply a technology; it is a process. Understanding these concepts is critical to understanding how technology, vendor products, and vendor services fit into the challenges customers face. Information security cannot be learned only by reading a book. It requires practice. Part of that practice includes understanding your network's vulnerabilities.

This course covers the fundamentals of information security: the security policy, the tools used to protect data, and responding to security incidents. The course combines technological detail and business issues to teach participants how to understand network attacks, classify the attacks, and prevent them.

Information Security Fundamentals runs 2.8 hours, and includes audio, interactive elements, review slides, section knowledge checks and a final exam. The participant can expect to spend about twice this amount of time to complete the course.

This program has five primary objectives:

- Define the concept of the CIA triad that underlies the principles of information security (InfoSec)
- Describe the components of a security policy
- Discuss the challenges related to implementing and maintaining the policy
- Identify the network components that should be secured in an enterprise network, and list common technologies used to do so
- Discuss the steps required to form an incident response team

Specific topics can be developed, or packaged together to create unique and customizable curriculum. All of our standard titles are available for preview at our store (www.hill.com/store).

About Hill Associates

At Hill Associates, we excel at creating custom talent development programs. Our experts help identify and assess your needs, and create training and educational programs that exactly meet those needs. Though we specialize in information technology, we've strengthened companies and organizations in a wide range of industries for over 25 years. Let us help you create a world-class talent development program that moves your business forward.

PROGRAM OUTLINE

Lesson 1: Introduction to Information Security

- Understanding the inherent risk in communications
- Why security does not equal a firewall
- Defining information security
- The C-I-A triad
- InfoSec business drivers
- Where to begin the process

Lesson 2: Developing an InfoSec Policy

- The major steps of InfoSec
- Identifying assets to protect
- Determining risks and threats
- Risk factors
- InfoSec tools (physical, administrative, technical)
- Applying the tools to the C-I-A triad
- Security policy documents

Lesson 3: Technical Tools Used in InfoSec

- Implementing technical tools
- The security hierarchy
- Filters, firewalls and the DMZ
- Intrusion detection vs. prevention
- AAA and encryption
- Virtual private networks

Lesson 4: Implementing Information Security

- Management protocols
- Network, server, and desktop implementation
- Addressing the risks

Lesson 5: Incident Responsiveness

- Detecting when things go wrong
- The incident response plan