



Global Knowledge®

Protecting Your Network with Authentication and Cryptography

Instructor

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Follow-On Courses

[Cybersecurity Foundations](#)
[CISSP Prep Course](#)

Overview

In this webinar, the first of two based on our Cybersecurity Foundations course, you will examine the following topics:

- Verifying users and what they can access
- Ways a user can be validated to computer and network resources
- How cryptography is used to protect data
- Symmetric and asymmetric encryption
- Hashes

Outline

- Identification
 - Something a user knows
 - Something a user possesses
 - Something a user is or does
- Issues
 - Distribution
 - Cost
 - Tracking
- Elements
 - Password Protocols
 - Hashes
 - Kerberos
 - Cryptography Benefits

Confidentiality

Encryption

Integrity

Message digests

Authentication

Public-key cryptography

Non-Repudiation

Digital signatures

Symmetric Encryption

Asymmetric Process

Digital Signatures

Certificate Authorities

Models

Lifecycle

Distribution

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