

# CISSP Access Control Systems and Methodology



## CISSP Access Control Systems and Methodology Training

**1 Session –**  
3 Hours of Interactive Training

### Benefits

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### About The Author

**Michael Solomon**, CISSP, PMP, TICSA, is a speaker, consultant and trainer who specializes in project management and database application-level security topics. Since 1987 Solomon has worked on IT projects or instructed for more than 60 organizations including EarthLink, Nike, Lucent Technologies, BellSouth, UPS, Boart Longyear, and the U.S. Coast Guard. Solomon holds an MS in Computer Science from Emory University (1998), and a BS in Computer Science from Kennesaw State University (1987) where he was also an instructor from 1998 - 2001. He has been a contributor to various certification books.

### Session 1

#### Section A: Access Control Basics

- Access Control
- Least Privilege
- Accountability
- Physical Access
- Administrative Access
- Logical Access

#### Section B: Data Classification

- Overview
- Classification Criteria
- Data Responsibility
- Commercial Data
- Government Data

#### Section C: Access Control Techniques

- Control Types
- Control Categories
- Security Labels
- Discretionary
- Mandatory
- Nondiscretionary
- Access Control Lists

#### Section D: Access Control Implementation

- Centralized Authentication
- RADIUS
- TACACS
- Decentralized
- Hybrid Model

#### Section E: Identification and Authentication

- Phases
- Type 1 Authentication
- Type 2 Authentication
- Type 3 Authentication
- Single Sign-on

- Kerberos
- Kerberos Process
- SESAME

#### Section F: Attack and Monitor

- Brute Force
- Dictionary
- Denial of Service
- Spoofing
- Man-in-the-Middle
- Access Control Assurance
- Monitoring
- Intrusion Detection
- Penetration Testing