Course Outline

CA Top Secret V16: Advanced Technical Security Mainframe and Distributed Integrations 300

Course Summary

Description

This course will teach you how to install CA Top Secret and tune your security systems for optimal performance in your unique environment. You will gain an understanding of UNIX Systems Services and methods for securing these services using CA Top Secret. You will learn CA Top Secret commands used to create, maintain, and process Digital Certificates.
You will also learn basic fundamentals, concepts and components behind SAF, TS9SINSTX, and TSSAI and understand the RACROUTE macro. In addition, you will understand features and components of LDAP Server for z/OS.

Objectives

At the completion of this course, Students will be able to:

- Describe how CA Top Secret is invoked by SAF in a z/OS environment.
- Describe the requirements for securing UNIX System Services.
- Identify which TSSINSTX exit points might be of use in customization for your organization's special needs.
- Use special utilities for troubleshooting.
- Explain the use of digital certificates.
- Explain CA Top Secret's performance tuning capabilities

Topics

- CA Top Secret Review
- Unix System Services Overview
- USS Logging, Reporting and Administration
- HFSSEC Overview
- Secure USS Using CA Top Secret
- Digital Certificates Overview
- Digital Certificates: General Rules
- Digital Certificates in WebSphere and FTP
- SAF Interface
- Exits and Interfaces
- Tune z/OS for CA Top Secret
- Tune CICS for CA Top Secret
- Troubleshooting
- Troubleshooting with SECTRACE
- Installation and Recovery
- LDAP Support: Part 1
- LDAP Support: Part 2

Audience

This course is designed for:

- Security Administrators
- System Programmers
- Anyone who has a role in installation and implementation of CA Top Secret

Prerequisites

- CA Top Secret V16: Security Mainframe and Distributed Integrations 200 (06TSS20071)
- Advanced knowledge of mainframe data processing concepts and CA Top Secret implementation
- At least 2 years' experience with CA Top Secret

Duration

Three Days

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I. *CA Top Secret Review*
- A. Describe the basic concepts underlying CA Top Secret.
- B. Start and stop CA Top Secret
- C. Use certain control options

II. *Unix System Services Overview*
- A. Describe the use of UNIX Systems Services

III. *USS Logging, Reporting and Administration*
- A. Use the logging, reporting and administration functions of Unix System Services

IV. *HFSSEC Overview*
- A. Describe the use of the UNIX HFSSEC

V. *Secure USS Using CA Top Secret*
- A. Secure UNIX Systems Services using CA-Top Secret

VI. *Digital Certificates Overview*
- A. Define Digital Certificates
- B. Describe the general concepts and processing of Digital Certificates

VII. *Digital Certificates: General Rules*
- A. Understand the components of Digital Certificates
- B. Describe CA Top Secret Commands used to create, maintain and process digital certificates

VIII. *Digital Certificates in WebSphere and FTP*
- A. Describe CA Top Secret Commands used in WebSphere and FTP

IX. *SAF Interface*
- A. Describe the basic fundamentals, concepts and components behind SAF
- B. Understand the RACROUTE macro

X. *Exits and Interfaces*
- A. Describe and use TSSINSTX
- B. Describe and use TSSAI

XI. *Tune z/OS for CA Top Secret*
- A. Tune z/OS for CA Top Secret

XII. *Tune CICS for CA Top Secret*
- A. Tune CICS for CA Top Secret

XIII. *Troubleshooting*
- A. Use CA Top Secret Investigative tools

XIV. *Troubleshooting with SECTRACE*
- A. Use SECTRACE to troubleshoot

XV. *Installation and Recovery*
- A. Use the file installation utilities
- B. Recover from a damaged primary security file

XVI. *LDAP Support: Part 1*
- A. Describe fundamentals of LDAP

XVII. *LDAP Support: Part 2*
- A. Understand and describe the features and components of LDAP Server for z/OS, a component of CA Top Secret Security for z/OS, including the functionality of the Distributed Security Integration daemon