

Security Configuration and Management Workshop for IBM i, iSeries, AS/400

Course Summary

Description

This class provides a comprehensive treatment of IBM i (iSeries and AS/400) security concepts along with practical instruction for implementing those concepts. Tips will be provided throughout the class on how to audit and detect faulty implementation that could compromise the system. It is designed for those dealing with system setup and administration, including system administrators, security officers, and IT Auditors. Expanded hands-on lab exercises reinforce the concepts presented. It is also recommended for technical support personnel and those staff members who set standards/policies for Application Development and Change Management.

Topics

- IBM I TEchnical Overview
- System Level Security
- All About User Profiles
- Object Oriented Architecture
- The Security Toolkit
- Work Management Security
- Application Security
- Network Security
- Auditing Capabilities- QAUDJRN
- Operations Navigator Security

Audience

This course is designed for those dealing with system setup and administration, including system administrators, security officers, and IT auditors.

Duration

Four days

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Course Outline

- I. IBM i Technical Overview**
 - A. Menus, Commands
 - B. Finding Commands
 - C. OS Architecture
- II. System Level Security**
 - A. Security System Values
 - B. Security Levels
 - C. Password Levels
 - D. Protecting SST and DST services
 - E. Encryption Options
- III. All About User Profiles**
 - A. Working with User Profiles
 - B. Special Authorities
 - C. Limit Capabilities
 - D. User Classes
 - E. Group Profiles
 - F. Reporting *Outfiles w/ Query/SQL
 - G. Object Ownership
 - H. Adopted Authority
 - I. Finding Back-door Programs
 - J. Preventing User Profile Hijacking
 - K. Common mistakes in User Profiles
- IV. Object Oriented Architecture**
 - A. A File is a File a Program is a Program
 - B. Library and Object Authorities
 - C. Security Commands for Objects
 - D. Security Commands for IFS Objects
 - E. Authority Shortcuts
 - F. Authorization Lists
 - G. Common Misunderstandings
- V. The Security Toolkit**
 - A. SECTOOLS Menu Options
 - B. Security Jobs in the Job Scheduler
- VI. Work Management Security**
 - A. Sign-on Screen Vulnerabilities
 - B. QSYSOPR Message Queue Authority
 - C. Library List Vulnerabilities
 - D. Checking for Trojan Horse Programs
 - E. Job Description Vulnerabilities
- VII. Application Security**
 - A. Vendor supplied schemes
 - B. Application Only Access
 - C. Database Security
 - D. Program Security
 - E. Security for Other Application Objects
- VIII. Network Security**
 - A. Client Access Security
 - B. TCP/IP and Host Server Security
 - 1. TELNET, FTP, ODBC, RMTCMD
 - C. Using Network Server Exit Programs
 - D. NetServer and IFS Shares
- IX. Auditing Capabilities- QAUDJRN**
 - A. The Security Audit Journal
 - B. Auditing Sensitive Files and Objects
 - C. Auditing Powerful Users
 - D. Auditing Command Usage
 - E. Reporting from QAUDJRN
 - F. Managing QAUDJRN Receivers
- X. Operations Navigator Security**