

Expanded Security Workshop for IBM i, iSeries, AS/400

(SC14)

4 Days(50% Lecture, 50% Lab/Exercises)

This class provides a comprehensive treatment of IBM i (iSeries, AS/400) security concepts along with practical instruction for implementing those concepts. Special Tips and Techniques will be provided throughout the class. During the supervised Hands-On lab sessions, the student will audit and detect faulty implementations that could compromise the system. This workshop 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. The workshop is also recommended for technical support personnel and those staff members who set standards/policies for Application Development and Change Control.

Prerequisites: None.

Course Outline

IBM i Technical Overview

Menus, Commands
Finding Commands
OS Architecture

System Level Security

Security System Values
Security Levels
Password Levels
Protecting SST and DST services
Encryption Options

All About User Profiles

Working with User Profiles
Special Authorities
Limit Capabilities
User Classes
Group Profiles
Reporting *Outfiles w/ Query/SQL
Object Ownership
Adopted Authority
Finding Back-door Programs
Preventing User Profile Hijacking
Common mistakes in User Profiles

Object Oriented Architecture

A File is a File a Program is a Program
Library and Object Authorities
Security Commands for Objects
Security Commands for IFS Objects
Authority Shortcuts
Authorization Lists
Common Misunderstandings

The Security Toolkit

SECTOOLS Menu Options
Security Jobs in the Job Scheduler

Work Management Security

Sign-on Screen Vulnerabilities
QSYSOPR Message Queue Authority
Library List Vulnerabilities
Checking for Trojan Horse Programs
Job Description Vulnerabilities

Application Security

Vendor supplied schemes
Application Only Access
Database Security
Program Security
Security for Other Application Objects

Network Security and Logging

Client Access Security
TCP/IP and Host Server Security
TELNET, FTP, ODBC, RMTCMD
Using Network Server Exit Programs
NetServer and IFS Shares

Auditing Capabilities

The Security Audit Journal
Auditing Sensitive Files and Objects
Auditing Powerful Users
Auditing Command Usage
Reporting from QAUDJRN
Managing QAUDJRN Receivers

IBM i Navigator Security

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