

Expanded Security Workshop for IBM i (iSeries)

(SC14)

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

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.

Prerequisites: Some knowledge of basic computer security concepts.

Course Outline

IBM I and i5/OS Overview

Menus, Commands
Finding Commands
I5/OS Architecture

System Level Security

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

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 Mistakes-Authorization Lists

The Security Toolkit

SECTOOLS Menu Options
SECBATCH 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

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

Auditing Capabilities- QAUDJRN

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

Operations Navigator Security

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