

System i (AS/400) Security Workshop

2 Day Course

This class provides a comprehensive treatment of IBM System i (AS/400) security concepts along with practical instruction for implementing those concepts. This hands-on workshop is a mixture of classroom lecture and student hands-on exercises to reinforce the skills learned. It is designed for those responsible for system setup and administration, including system administrators, security officers, and technical support staff. It is also highly recommended for IT auditors.

Prerequisites: A basic understanding of security systems. It is assumed that students have some understanding of the AS/400's overall architecture and utilities, although this is not a requirement.

Course Outline

iSeries - AS/400 Introduction

- Menus, Commands
- Finding Commands
- OS Architecture

System Level Security

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

User Profiles

- The User Profile
- Working with User Profiles
- Special Authorities
- Limit Capabilities
- User Classes
- Group Profiles
- Object Ownership
- Adopted Authority
- Assumed Identities
- Prevent User Profile Hijacking
- Common mistakes in user profiles

Object Oriented Architecture

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

The Security Toolkit

- Using the SECTOOLS Menu
- Adding reports to the job scheduler

Work Management Security

- The Sign-on Screen
- Message Queue Authority
- Output Queue Authority
- Library List Vulnerabilities
- Job Descriptions

Application Security

- Vendor supplied schemes
- Application Only Access
- Database Security
- Program Security
- Security for Other Application Objects
- Checking for Trojan Horse Programs

Network Security

- IBM iSeries Access Security
- TCP/IP Security TELNET, FTP, ODBC
- NetServer and the IFS
- Control and auditing Exit Programs

Auditing and Reporting Capabilities

- The Security Audit Journal
- Auditing Sensitive Objects
- Auditing Powerful Users
- Reporting Events from the Audit Journal

Graphical Control with GUI Access

- IBM iSeries Navigator for Windows

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