

IBM i (AS/400 - iSeries) System Administration and Control Workshop

Course Summary

Description

This hands-on workshop provides an introduction to System Administration and Control for IBM i. Emphasis is placed on normal day-to-day administration tasks, backup and recovery, system configuration and maintenance. Security concepts and User Setup is detailed as is auditing capabilities.

Topics

- Using Menus and Control Language Commands
- Working with Objects and Libraries
- Working with the System Values
- Working with Messages
- Introduction to Work Management
- Controlling Jobs
- Scheduling Jobs for Recurring Submission
- Working with Printer Output
- Backup and Recovery
- Using IBM i Navigator for Windows
- Intro to IBM Access Client Solutions(ACS)
- Working with Devices and Communications
- Other System Administration Tasks
- Using Service Tools (SST and DST)
- Working with Function Usage
- System i Security Concepts
- System Level Security
- Object Based Security Architecture
- Working with User Profiles
- Network Security
- Security Auditing Capabilities

Audience

This course is designed for those wanting an introduction to System Administration and Control for IBM i.

Prerequisites

There are no prerequisites for this course.

Duration

Five days

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Course Outline

- I. Using Menus and Control Language Commands**
 - A. Menus for System Administration
 - B. Control Language Commands Administration
 - C. Finding the right CL Command or Menu
- II. Working with Objects and Libraries**
 - A. Using the WRKOBJ command – the Find facility
 - B. Working with Libraries and Objects using PDM
 - C. Overview of the File Systems (IFS)
 - D. Job Library List concepts - Using *LIBL
- III. Working with the System Values**
- IV. Working with Messages**
 - A. Displaying and Sending Messages
 - B. Working with Message Queues
 - C. The QSYSOPR and QSYSMSG Message Queues
 - D. Managing the QHST History Log
- V. Introduction to Work Management**
 - A. Subsystems and Subsystem Descriptions
 - B. Job Queues and Output Queues
 - C. Understanding Job Descriptions
- VI. Controlling Jobs**
 - A. Working with Jobs
 - B. Handling Error Conditions
 - C. Changing how a Job Is Run
 - D. Interactive and Batch jobs
 - E. Using the SBMJOB Command
 - F. Reviewing the Job Log
- VII. Scheduling Jobs for Recurring Submission**
 - A. Using the Job Scheduler (WRKJOBSCDE)
- VIII. Working with Printer Output**
 - A. Managing Printer Output
 - B. Working with Spooled Files
 - C. Working with Output Queues
- IX. Backup and Recovery**
 - A. Save and Restore Operations (Tape & SAVE Files)
 - B. Configuring Database Journaling
 - C. Developing and Implementing a Backup Strategy
 - D. Verifying the System Backup Status
 - E. What's New for Save/Restore Options
- X. Using IBM i Navigator for Windows**
- XI. Intro to IBM Access Client Solutions(ACS)**
- XII. Working with Devices and Communications**
 - A. Working with Printer and Workstation Devices
 - B. Controlling Host and TCP/IP Servers
 - C. Using NetServer for Mapping IFS Directories
- XIII. Other System Administration Tasks**
 - A. Disk Storage Management with DISKTOOLS
 - B. Managing Journal Receivers
 - C. System Cleanup Options
 - D. Starting and Stopping the System
- XIV. Using Service Tools (SST and DST)**
 - A. Accessing SST using STRSST
 - B. Managing SST Users
 - C. Communications Trace, Set Security Options
- XV. Working with Function Usage**
 - A. Set Controls to Access Sensitive Functions
 - B. Using GUI Application Administration
- XVI. System i Security Concepts**
- XVII. System Level Security**
 - A. Using The SECTOOLS Menu
- XVIII. Object Based Security Architecture**
 - A. Library and Object Authorities
 - B. Object Ownership

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Course Outline (cont'd)

- C. Security Commands for QSYS Objects
- D. Security Commands for IFS Objects
- E. Authorization Lists

XIX. Working with User Profiles

- A. Special Authorities, Limit Capabilities
- B. User Classes, other attributes
- C. Using Group Profiles
- D. Working with Adopted Authority
- E. Preventing User Profile Vulnerabilities

XX. Network Security

- A. IBM i Access for Windows and ACS Security
- B. TCP/IP and Host Server Security
- C. Understanding Network Server Exit Programs

XXI. Security Auditing Capabilities

- A. Configuring the Security Audit Journal (QAUDJRN)
- B. Auditing and Reporting Security related Events
- C. Auditing and Reporting Access to Sensitive Objects
- D. Auditing and Reporting User Activity