

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

(SY15)

5 Days (70% Lecture, 30% Workshop)

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.

Prerequisites: None.

Course Outline

Using Menus and Control Language Commands

Menus for System Administration
Control Language Commands Administration
Finding the right CL Command or Menu

Working with Objects and Libraries

Using the WRKOBJ command – the Find facility
Working with Libraries and Objects using PDM
Overview of the File Systems (IFS)
Job Library List concepts - Using *LIBL

Working with the System Values

Working with Messages

Displaying and Sending Messages
Working with Message Queues
The QSYSOPR and QSYSMSG Message Queues
Managing the QHST History Log

Introduction to Work Management

Subsystems and Subsystem Descriptions
Job Queues and Output Queues
Understanding Job Descriptions

Controlling Jobs

Working with Jobs
Handling Error Conditions
Changing how a Job Is Run
Interactive and Batch jobs
Using the SBMJOB Command
Reviewing the Job Log

Scheduling Jobs for Recurring Submission

Using the Job Scheduler (WRKJOBSCDE)

Working with Printer Output

Managing Printer Output
Working with Spooled Files
Working with Output Queues

Backup and Recovery

Save and Restore Operations (Tape & SAVE Files)
Configuring Database Journaling
Developing and Implementing a Backup Strategy
Verifying the System Backup Status
What's New for Save/Restore Options

Using IBM i Navigator for Windows

Intro to IBM Access Client Solutions(ACS)

Working with Devices and Communications

Working with Printer and Workstation Devices
Controlling Host and TCP/IP Servers
Using NetServer for Mapping IFS Directories

Other System Administration Tasks

Disk Storage Management with DISKTOOLS
Managing Journal Receivers
System Cleanup Options
Starting and Stopping the System
Using Service Tools (SST and DST)
Accessing SST using STRSST
Managing SST Users
Communications Trace, Set Security Options

Working with Function Usage

Set Controls to Access Sensitive Functions
Using GUI Application Administration

System i Security Concepts

System Level Security

Using The SECTOOLS Menu

Object Based Security Architecture

Library and Object Authorities
Object Ownership
Security Commands for QSYS Objects
Security Commands for IFS Objects
Authorization Lists

Working with User Profiles

Special Authorities, Limit Capabilities
User Classes, other attributes
Using Group Profiles
Working with Adopted Authority
Preventing User Profile Vulnerabilities

Network Security

IBM i Access for Windows and ACS Security
TCP/IP and Host Server Security
Understanding Network Server Exit Programs

Security Auditing Capabilities

Configuring the Security Audit Journal (QAUDJRN)
Auditing and Reporting Security related Events
Auditing and Reporting Access to Sensitive Objects
Auditing and Reporting User Activity

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