

IBM System i (AS/400) System Administration and Control

(SY15)

5 Days (70% Lecture, 30% Workshop)

This class provides an introduction to System i Administration and Control for the System Administrator and the Advanced System Operations Staff. Emphasis is placed on System Management and Administration, System Configuration and Maintenance, Backup and Recovery, IBM Support, Security Management and Auditing capabilities.

Prerequisites: None.

Course Outline

System i Menus and Control Language Commands

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

Objects and Libraries

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

Working with the System Values (Global Settings)

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
Configuring Subsystem Workstation Entries
Job Queues and Output Queues
Creating and Using Job Descriptions
Storage Pools and Main Storage Management

Controlling Jobs

Working with Jobs
Handling Error Conditions
Changing how a Job Is Run
Interactive and Batch jobs
Using the SBMJOB Command
Examining 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
Expiration Date and Aging User Spooled Files
Working with Printers

Backup and Recovery

Save and Restore Operations (Tape & SAVE Files)
Database Journaling and Journal Receivers
Developing and Implementing a Backup Strategy
Verifying the System Backup Status
New IBM i 6.1 and 7.1 Save/Restore Options

Working with Devices and Communications

Working with Printer, Tape and Workstation Devices
Working with Communication Line Status
Controlling Host and TCP/IP Servers
Managing NetServer for Mapping IFS Directories

Other System Administration Tasks

Disk Storage Management with DISKTOOLS
Managing Journal Receivers
System Cleanup Options
Using the Control Panel
Starting and Stopping the System
Modifying the System Startup IPL Program

Using Service Tools (SST and DST)

Accessing SST using STRSST
Managing SST Users
Accessing DST (Dedicated Service Tools)
Communications Trace, Set Security Options

Working with Function Usage

Control Access to Sensitive Functions
Using GUI Application Administration

IBM's Fix Central and Support Site

Logging on to IBM Fix Central
Using the IBM Support Site

Administration using IBM's System i Navigator

Basic Operations
Work Management
Servers
Security – Users and Groups

System i Security Concepts

System Level Security

Object Based Security Architecture

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

Working with User Profiles

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

Using SECTOOLS and SECBATCH Menus

Network Security

IBM's System i Access Security
TCP/IP and Host Server Security
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

For more information, call (314) 932-2430 or (800) 936-3140
Or e-mail info@400School.com

The 400 School, Inc – 1828 Canyon View Ct. – St. Louis, MO 63017