IBM i Operations

Course Summary

Description

This course gives the student a strong understanding of the concepts and operating system facilities & functions found in IBM i systems. Students are taught to use the facilities related to daily and periodic operations. Students learn to perform these tasks using terminal emulator (green screen) displays and IBM i Navigator.

Topics

- System Overview
- Keyboard Basics
- Signing On & Off
- IBM i Navigator
- Menu Navigation
- Help Facilities
- Messages
- Commands
- Integrated File System
- Database Concepts
- Object Management
- Work Management
- Job Control
- Managing Printed Output
- Managing Printed Output
- Security
- Devices
- IPL
- PTFs
- Backup & Recovery
- System Maintenance
- Security
- Problem Determination

Audience

This course is designed for those involved in performing or supervising IBM i operations, or supporting these functions, including:

Operators & Operations Supervisors, System Administrators, Data Center Managers, Support Center & Help Desk Staff & Managers and IT Management.

Prerequisites

This course does not have any prerequisites.

Duration

Four days

This course may be extended to five days to expand time devoted to certain topics, or to include additional content, such as an introduction to CL programming.

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Course Outline

I. System Overview
- A. Hardware
- B. Software

II. Keyboard Basics
- A. Function keys
- B. Action keys

III. Signing On & Off
- A. Sign-on display
- B. Sign-on display information
- C. Sign-on display fields
- D. Limited user
- E. Initial program & menu

IV. IBM i Navigator
- A. Graphical interface for Windows
- B. Basic operations
- C. Job management
- D. System configuration
- E. Security
- F. Users and groups

V. Menu Navigation
- A. Menu system
- B. Menu IDs
- C. Menu navigation
- D. Menus: main/system/assist
- E. GO command

VI. Help Facilities
- A. Context sensitive
- B. Extended
- C. Printing help
- D. Hypertext
- E. Information Center

VII. Messages
- A. Sources of messages
- B. Where messages are sent
- C. Message queue types
- D. Message types
- E. Sending a message
- F. Displaying messages
- G. Responding to messages
- H. Message handling options
- I. Operator message queue

VIII. Using Commands
- A. Command structure
- B. Command verbs
- C. Command prompting
- D. Major command groups menu
- E. Running commands from a list display
- F. Assistance levels

IX. Integrated File System
- A. File systems
- B. Libraries & directories
- C. Root file system
- D. QSYS.LIB file system

X. Database Concepts
- A. Libraries
- B. IBM-supplied libraries
- C. Objects
- D. Object types

XI. Object Management
- A. Creating user libraries
- B. WRKOBJ command
- C. Duplicating/moving/renaming objects
- D. Copying a file
- E. Deleting an object
- F. Deleting a library

XII. Work Management
- A. System values
- B. Subsystems
- C. Subsystem descriptions
- D. Job queues
- E. Output queues
- F. User profiles
- G. Job descriptions

XIII. Job Control
- A. Job names
- B. Submitting jobs
- C. Using the job scheduler
- D. Job related commands
- E. Finding & working with jobs
- F. Using job information
- G. Job logs

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Course Outline (cont'd)

XIV. Managing Printed Output
- A. How printed output is created
- B. Printer files
- C. Spooled files
- D. Printer writers
- E. Printer device descriptions
- F. Output related commands
- G. Finding & working with output

XV. Security
- A. User profiles
- B. User profile naming conventions
- C. User class & special authorities
- D. User profile default values
- E. System values
- F. Security level
- G. Specific & PUBLIC authorities
- H. Library creation authority
- I. Securing an object

XVI. Devices
- A. How devices connect
- B. Displaying hardware resources
- C. Device auto-configuration
- D. Device naming conventions
- E. Device related commands
- F. Working with device descriptions
- G. Managing connected devices
- H. Enabling & disabling a device

XVII. IPL
- A. Why IPL?
- B. IPL types
- C. Normal (unattended) IPL
- D. Automatic IPL
- E. Manual (attended) IPL
- F. System shutdown
- G. PWRDWNSYS command
- H. Power tasks menu
- I. Power related commands

XVIII. PTFs
- A. Software maintenance strategy
- B. Temporary fixes
- C. Obtaining/loading/applying PTFs
- D. Cumulative PTF packages

XIX. Backup & Recovery
- A. Disaster recovery strategy
- B. What to backup & when
- C. Using tape & save files
- D. Backup using menus
- E. Automated backup
- F. Backup using commands
- G. Operating system backup
- H. Restoring objects & libraries
- I. Restoring the operating system
- J. Full system restore

XX. System Maintenance
- A. System status display
- B. Keeping track of disk usage
- C. What consumes disk space
- D. System cleanup function
- E. IPL for efficiency

XXI. Problem Determination
- A. Knowing when problems arise
- B. Operator message queue
- C. Job information displays
- D. Job logs
- E. System history log
- F. Problem handling menu
- G. Problem handling commands
- H. Work with problem display

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