

IBM i Operations Boot Camp

Duration: 4.5 days
When: TBD
Where: Inverness Hotel, Englewood, Colorado
Instructor: William A. Hansen

Dr. Hansen is co-founder of Manta Technologies Inc., which specializes in web-based training for operators, system administrators, programmers, and users of the IBM i operating system and its predecessors, i5/OS and OS/400. In addition his management duties, Dr. Hansen is responsible for all of Manta's operations and system administration courses.

Cost: \$2,495/person, which includes breakfast and lunch each day as well as a 500-page Student Reference Guide

Abstract

This workshop teaches the basic skills needed to operate and manage an IBM i system.

The first day of the workshop covers IBM i concepts and user interfaces. You will learn how to sign on, navigate the IBM i menu structure, enter data, use commands, and perform other common tasks. You will learn how to access a system using the traditional text-based interface, System i Navigator, or IBM Systems Director Navigator for i, also known as the *web console*.

Day 2 covers basic IBM i operations. You will see how to submit batch jobs, monitor and control their execution, and manage the printer output they create. The workshop also shows how to control interactive jobs, manage subsystems, control tape devices, and determine the jobs waiting for operator intervention. Both the green-screen and Navigator interfaces are covered.

The rest of the workshop covers system management tasks, including starting and stopping the system, managing devices and virtual media, taking backups, cleaning up system storage, applying PTFs, and reporting problems. While such tasks are not always the responsibility of the operator, they are frequently performed by senior operators under the direction of the system administrator.

The workshop ends with an overview of *PowerVM*, IBM's umbrella term for the collection of virtualization technologies that are available with its Power Systems family, including logical partitioning, Active Memory Sharing, Live Partition Mobility, virtual I/O, and others. The workshop covers these concepts and describes common ways in which organizations are using PowerVM to maximize their IT investments.

Audience

This series is intended for the person responsible for operating an IBM i system. It is applicable both for new operators and for experienced personnel wishing to enhance their operational skills.

Objectives

After completing this workshop, you should be able to:

- Sign on an IBM i system, navigate through the menu structure, and enter commands or data using any of the following IBM i interfaces:
 - The traditional text-based (green screen) interface
 - Navigator for i
- IBM Systems Director Navigator for i
- Perform IBM i operations, including the following:
 - Send and display messages
 - Change your password
 - Display help information
 - Change your assistance level and library list
 - Navigate the root, library, and optical file systems
 - Display, and optionally execute, recently entered commands
 - Submit, hold, release, or cancel batch jobs
 - Hold or release a job queue
 - Hold, release, display, or delete spooled files
 - Start and stop writers, subsystems, or the entire system
 - Respond to system messages
 - Determine the status of jobs, output, printers, lines and devices
 - Manage tape and optical volumes, both real and virtual
 - Vary devices on or off
 - Perform common backup and restore operations and create an automatic backup schedule
 - Create storage utilization reports
 - Create an automatic system cleanup schedule
 - Determine the current release level of installed program products
 - Install a PTF package
 - Manage system-detected problems and respond to error messages
- Describe how a partitioned system environment affects common operational tasks

Labs

Lab exercises using Manta's IBM i simulator are included in this workshop. To work the lab problems, you need to bring a laptop on which Internet Explorer has been installed.

Agenda

Day 1 – System Concepts and Interfaces

7:30-8:30 a.m.	Breakfast and registration
8:30-10:00 a.m.	Getting Started on IBM i
10:00-10:15 a.m.	Break
10:15 a.m.–noon	Integrated File System Concepts
noon-1:00 p.m.	Lunch
1:00-2:15 p.m.	Using IBM i Commands
2:15-2:30 p.m.	Break
2:30-3:30 p.m.	Using System i Navigator
3:30-3:40 p.m.	Break
3:40-5:00 p.m.	Using IBM Systems Director Navigator for i

Day 2 – Basic Operations

7:30-8:30 a.m.	Breakfast
8:30-10:00 a.m.	Work Management Concepts Submitting and Managing Batch Jobs
10:00-10:15 a.m.	Break
10:15 a.m. – noon	Controlling Printer Output Controlling Users, Queues, Printers, and Subsystems
noon-1:00 p.m.	Lunch
1:00-2:45 p.m.	Monitoring an IBM i System Using Tapes
2:45-3:00 p.m.	Break
3:00-4:30 p.m.	IBM i Operations Using System i Navigator

Day 3 – System Management – Part 1

7:30-8:30 a.m.	Breakfast
8:30-10:00 a.m.	Starting and Stopping the System
10:00-10:15 a.m.	Break
10:15-noon	Managing Devices
noon - 1:00 p.m.	Lunch
1:00-2:45 p.m.	Backing Up Your System
2:45-3:00	Break
3:00-4:30 p.m.	Using Virtual Media

Day 4 – System Management – Part 2

7:30-8:30 a.m.	Breakfast
8:30-9:45 a.m.	Checking Storage Utilization
9:45-10:00 a.m.	Break
10:00 a.m. – noon	Cleaning Up Storage
noon-1:00 p.m.	Lunch
1:00-2:45 p.m.	Software Maintenance
2:45-3:00	Break
3:00-4:30 p.m.	Handling Problems

Day 5 – PowerVM

7:30-8:30 a.m.	Breakfast
8:30-10:00 a.m.	System Management Using System i Navigator
10:00-10:15 a.m.	Break
10:15 a.m. – noon	PowerVM and Logical Partitioning

For more information:

This workshop is based on the following Manta courses:

- *Getting Started on IBM i*
- *Integrated File System Concepts*
- *Using IBM i Commands*
- *Using System i Navigator*
- *Work Management Concepts*
- *Submitting and Managing Batch Jobs*
- *Controlling Printer Output*
- *Controlling Users, Queues, Printers, and Subsystems*
- *Monitoring an IBM i System*
- *Using Tapes*
- *IBM i Operations Using System i Navigator*
- *Starting and Stopping the System*
- *Managing Devices*
- *Backing Up Your System*
- *Checking Storage Utilization*
- *Cleaning Up Storage*
- *Software Maintenance*
- *Using Virtual Media*
- *Handling Problems*
- *System Management Using System i Navigator*
- *Using IBM Systems Director Navigator for i*
- *PowerVM Concepts*

You can find detailed course information, including objectives, by visiting the Manta web site, www.mantatech.com.

Or, call Manta at (800) 406-2682.