THE NEW POWER EQUATION

System i Navigator Overview

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Presentation Overview

- Basic Concepts
- Getting Started
- Power Techniques
- Features
  - Using Single Connections
  - Centrally Managing your IBM i environments
Basic Concepts
Our Goals

- Modernize the user interface
- Leverage the latest user interface technology
- Easy administration across multiple systems
System i Navigator Adds Ease of Use

- Leverage your user's Windows skills
  - Explorer view, properties sheets, context menus, drag and drop
- Reduce need to learn command interface
  - Easier to understand terminology/concepts
  - Graphics - not just icons
  - Wizards
  - High degree of function integration, not standalone utilities
System i Navigator Makes Users Productive

- Lists of objects give rich information
- Customized views (Include, Columns, Sort)
- Desktop shortcuts to frequently used functions
- AutoRefresh, list print, find in list, drag and drop capability
- Manage multiple systems as easily as one
Getting Started
Installation

- System i Navigator components are selectively installable
- Basic Operations installed with System i Access for Windows Typical Install (Messages, Printer output, Printers)
- Additional components installed using System i Access for Windows Custom Install or Selective Setup after install
Using the Main Window

**Function tree**
- Folders which can be expanded
  - Click the plus or double click the icon or folder
- Single click to select a folder to see its contents in the right pane

**Details pane**
- Contains subfolders or objects
- Defaults to "details" view with columns of additional information
- Can be set to show only large, small icons, or icon list view

**Taskpad**
- Contains common tasks related to the selected folder
- Customized to keep your favorite tasks available at all times!
Using the Main Window

- Pulldown menu system
  - Contains all menu options that pertain to the selected object
  - Contains global menu options that control System i Navigator

- Toolbar
  - Fast path to commonly used menu options for the selected object
  - Some items will change depending on the type of object selected
  - Placing mouse pointer over a toolbar button produces a "tool tip" with its name
  - Menu choices and toolbar buttons will be disabled ("grayed out") depending on the state of the object selected
    - E.g., the "Hold" menu choice and toolbar button are disabled when a printer is already held
Using the Main Window

- **Pop-up menus**
  - A subset of the pull down menus
  - Right-click on any object in the tree or details pane for the context, or pop-up menu
  - Only contains menu choices for the specific object in its current state
  - Pop-up menu for an object shows what actions you can take on that object

**Pop-up menus are the key to unlocking what you can do with the GUI**
Using the Main Window

Client Access
Connection Environment that's in use or Management Central central system

Number of objects in right pane / descriptions of menu choices

Data "freshness" indicator

Folder being listed and any options used for "Include"

- Information / Status Areas
  - Keeps track of what you're looking at
  - Provide quick help
  - Show how old information is
    - How long since the data was retrieved
Application Administration

- **What does it do?**
  - Controls access to System i Navigator functions
  - Similar to limited capability for PC5250 interfaces

- **When do you use it?**
  - When you want to control what functions users see in System i Navigator

- **How do you use it?**
  - System i Navigator interface for system defaults and individual users
Performance Issues

- Performance improves during the course of a session
  - More caching, more things loaded in memory

- Exceed PC size recommendations provided by System i Access, especially for memory
  - Use at least a 850 mHz CPU, 512 MB memory; 1024 MB memory or more is suggested

- Keep up to date with System i Access for Windows service packs

- Use filtering where possible to subset a large lists, especially in the File Systems folder

- Read the System i Navigator web site for:
  - Information APARs
  - Performance Tips (www-03.ibm.com/servers/eserver/iseries/navigator/perftips.html)
Performance Advisor

- Examines your System i Navigator environment and makes recommendations of how your performance may be improved

- Checks the following areas
  - PC
  - Network
  - System i platforms

- Installed with Base System i Navigator
Performance Advisor
Power Techniques

Find

Customize

Shortcuts
Customizing

**Sort**

- Click sorting by clicking on the column heading
- Sort dialog allows you to specify multiple columns to sort by
- Sort settings are not persistent
Customizing

*Include*

- Include allows you to select just the data you want to see in the list
- Criteria vary depending on the type of object
- Include settings are persistent
Customizing

File System Folder - Include

- Include option on Integrated File System folder allows you to enter file criteria to control the contents of the list
- Affects contents of details pane and folder tree (if not expanded)
- Can be used for all file systems
Customizing

Columns

- Select and order content
- Column settings are persistent
Finding

**Detail Pane**

- Locate text string in displayed columns
Shortcuts

- Quick access to a list of objects
- Drag and drop a folder to the desktop
- Separately customizable via Include and Columns
Drag and Drop

User Profiles
- ... to other systems and system groups
- ... to groups

Group Profiles
- ... to other systems and system groups

Integrated files system
- ... support i5/OS library system
- ... copy/move to another System i
- ... copy/move to PC
- ... send to a system group

Database tables
- ... to other libraries
- ... between systems

Database view
- ... include tables in a joined view
- ... indicate columns to join
- ... add columns in the view

But there is MORE!!!
Drag and Drop

Endpoint Systems
- ... to and from system groups
- ... to System Groups container to create group

Definitions
- ... user definition to create
- ... package definition to send
- ... command definition to run
- ... product definition to send and install

Products
- ... to system group to send and install

Jobs
- ... move jobs between job queues
- ... move jobs in position within a job queue

Fixes and Fix Groups
- ... to send and send and install
Drag and Drop

- Copy or Move output
  - ...to another printer (same system)
  - ...to another printer (different system)
  - ...to the Desktop

Great for including in email!
Overview
My Connections
Basic Operations

Messages
- Send
- Reply

Printer Output
- View
- Manage (hold, release, delete...)

Printers
- Change
- Manage (start, reply to message...)

Jobs
- Manage and View (output, joblog...)
Messages

**Basic Operations**

- View details, Delete, Reply
- Display properties
Work Management

*Manage Work Through the System*

- The WRKACTJOB container
  - Customizable unlike the green screen
- Server jobs shows user*
  - Not available on the green screen
- Manage the jobs still on job queues
  - Change order or queue
- View the output of jobs
- Work with jobs in a subsystem
- Manage the system's memory pools
Server Jobs

- Manage jobs used by server name
- Shows which user is currently using the server
- Server jobs have the same menu options as user jobs
Configuration and Service

**View system information**
- System Values
- History Log
- Hardware*
- Software
- Fixes

**Inventory**
- ...from Central System
- ... search enabled

**Access to**
- ... Disk units
- ... Graph History*
Disk Units

Configuration and Service

- One place for all DASD info and tasks
- Location information via pictures!

![Disk Unit Configuration Screen](image)
Graph History

Configuration and Service

Displays a graphical history of performance data.
Network

- Setup TCP/IP interfaces, routes...
  - Uses wizards
- View and Manager Servers
  - TCP/IP, Client Access and DNS
  - Create own too!!
- Enterprise Identity Mapping
  - Single sing on for users
- Configure your system for the Web
  - Such as HTTP...
Integrated Server Administration

- **Server Management**
  - Start, Shut Down, Restart, Status, Properties (LPAR and VE attributes new for V5R4), Run Windows Commands, View Windows Event Logs

- **Disk Management**
  - Create, Delete, Grow (new for V5R4), Link, Unlink, Properties

- **User Enrollment**
  - Enroll, Unenroll, Enrollment Status, Error Details, Retry, Properties

- **iSCSI Connections** (new for V5R4)
  - Local Host Adapter: Create, Copy, Delete, Start, Stop, Properties
  - Remote Server: Create, Copy, Delete, H/W Status, Properties
  - Service Processor: Create, Copy, Delete, Initialize, Properties
Security

Secure objects with authorization lists

Security Wizard

- Advisor for system values
- Enabled with undo option
- Creates reports for review
- Access from Security Folder
Users and Groups

- Users
  - Create, Change, Delete, Copy
  - Edit and Send
  - Add users to groups

- Group Profiles
  - Create, Change, Delete, Copy

- User Definitions

- Scheduled Tasks

- Inventory
  - Search on user attributes
Databases

- Filter search library

- Manage database objects
  - Tables, Views, etc...

- Run SQL Scripts*

- View graphical relationships

- View graphical execution flow*
  - Find the bottlenecks!!!
Run SQL Scripts

- Create, save, run SQL Scripts
  - Document editor interface associated to files of .SQL
  - Run all, selected, or single statements
  - SQL examples can be inserted and modified
Visual Explain

- Pictorial view of query execution
- Understand execution flow for performance tuning
- Mouse over an icon to get brief info about that step
- Icons represent steps during SQL execution
- Details pane on the right provides detailed info for a selected step
Database Navigator

- Generate a map of a set of tables and the relationships between them
- Manipulate the map to show items of interest, without changing objects on the system
- Generate SQL for all the objects in the map
- Print maps
- Save maps and view them later
File Systems

- **Cut, Copy, Paste or Drag/Drop**
  - ... between systems
  - ... to the PC desktop
  - ... send to multiple systems

- **Create, Rename and Delete**
  - ... folders
  - ... objects

- **Integrated editor for Text**
  - Enable through File Systems Properties
Managing Multiple Systems
Management Central
Task Activity

Management Central

- Run Commands
- Distribute software and files
- Obtain inventory to display, search, export
- Simplify service through fixes and fix groups
- Collect performance information
- Manage user and groups
- Edit system settings
- Scheduling options available
Definitions

- Do it once and reuse!!!!
- Remember complex commands
- Group objects for distribution
- Make your own products
- Create template for users
Monitors

- Watch your system while away!!!
- Handle performance issues
- Locate troublesome files
- Keep control of jobs
- Know immediately about messages
- Find bottlenecks with B2B activity
IBM i Information Center

- Everything you wanted to know about IBM i
  - Scenarios
  - Tasks
  - PDF’s
  - Finders
  - New release functions
- Tree navigation structure (similar to System i Navigator)
What We Covered

- Basic Concepts
- Getting Started
- Power Techniques
- Features
  - Using Single Connections
  - Centrally Managing your System i Systems
Thanks!
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