THE NEW POWER EQUATION

IBM Systems Director Navigator for IBM i

New Web console for i, Fast, Easy, Ready

Dawn May
dmmay@us.ibm.com

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Agenda

- **IBM Systems Director Navigator for i (i5/OS 6.1)**
  - What is it ?
  - How do you get it ?
  - What is/isn't included ?
  - How does it work ?
  - What is ISC ?
  - How does it compare to System i Navigator ?

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What is it?

- IBM Systems Director Navigator is the strategic management console for IBM i
- New Web based console is included with IBM i beginning in 6.1
- It uses the same Integrated Solutions Console (ISC) framework that the Web based IBM Systems Director uses
- It is considered a "Single System" console, that is, it is used to manage just '*this*' server
- It contains all the currently Web-enabled functions of System i Navigator (over 300 tasks)
  - All Web enabled tasks are still URL addressable and can be accessed individually as servlets, or as portlets within the new Web console

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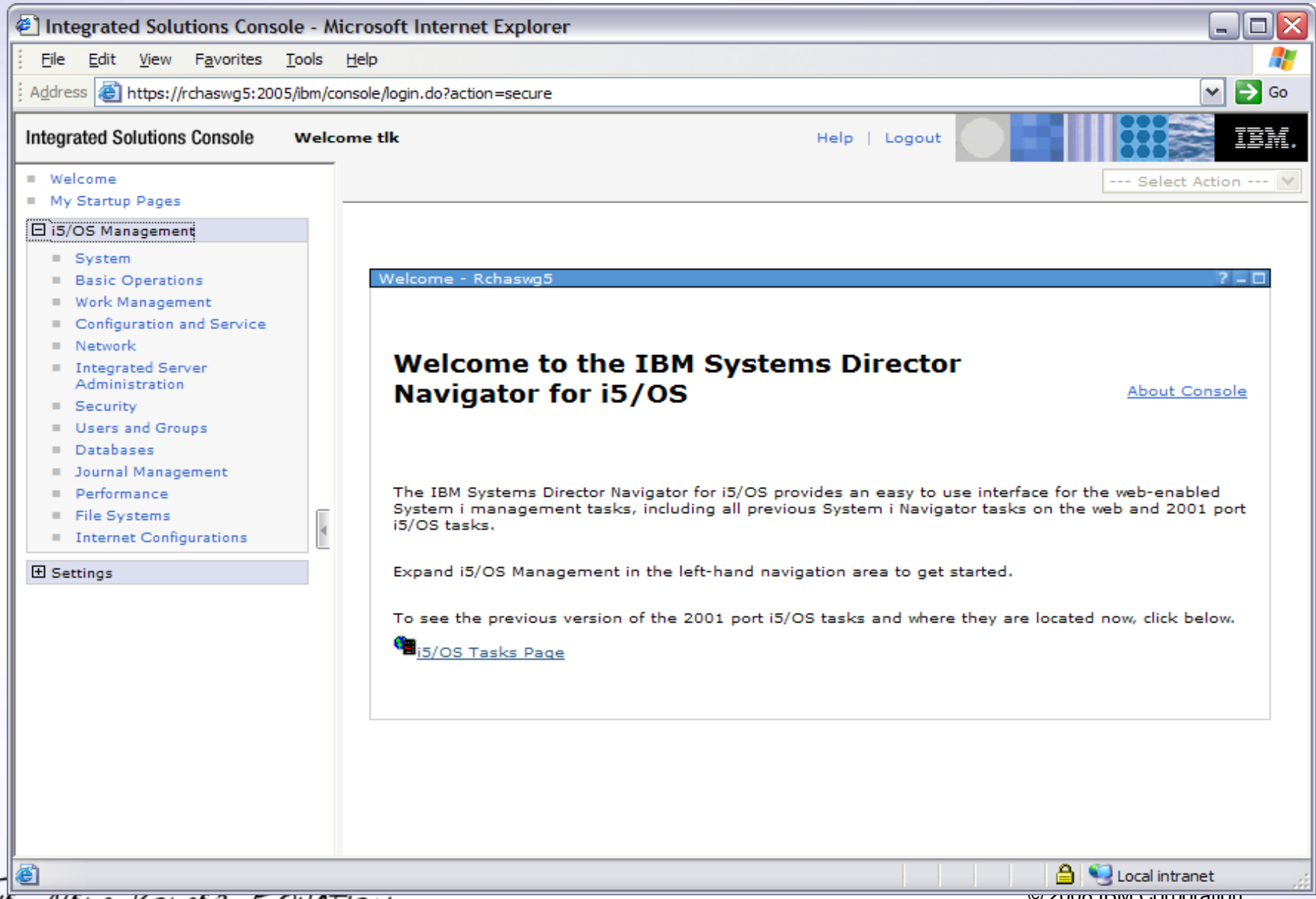
IBM Systems Director Navigator



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How do you get it ?

- IBM Systems Director Navigator for i is included as part of the base operating system option 3 (5761SS1 0003). There is no extra charge required to get it.

- The following products must also be installed (these should already be on your system)

IBM HTTP Server for i5/OS	5761DG1
• Group PTF SF9915 Level 4	
Qshell	5761SS1 option 30
Portable App Solutions Environment (PASE)	5761SS1 option 33
IBM Developer Kit for Java	5761JV1
• Group PTF SF99562 Level 5	
J2SE 5.0 32 bit	5761JV1 option 8
IBM Toolbox for Java	5761JC1
Host Servers	5761SS1 option 12

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What is included ?

- All web-enabled functions of System i Navigator, organized into 13 different task categories (over 300 tasks total)
  - Jobs, messages, system values, database, users, file systems, security, performance …
- In addition, functions from the following for-purchase LPPs will be available in the console when the LPPs are installed:
  - iHASM (System i High Availability Solutions Manager) 5761HAS
  - BRMS (Backup, Recovery, & Media Services) 5761BR1
  - IBM Performance Tools for i5/OS (DiskWatcher) 5761PT1
  - IBM Performance Tools for i5/OS (JobWatcher) 5761PT1 option 3

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What isn't included ?

- **Management Central functions**
  - Strategy is to use IBM Systems Director products for multi system tasks on the Web
- **Database functions that involve graphics and charts**
  - SQL Scripts
  - Visual Explain
  - Database Navigator
  - SQL Assist
- **Disk Management**
  - Graphical View
  - Disk Unit Physical Location
  - Disk Unit/ASP Capacity chart

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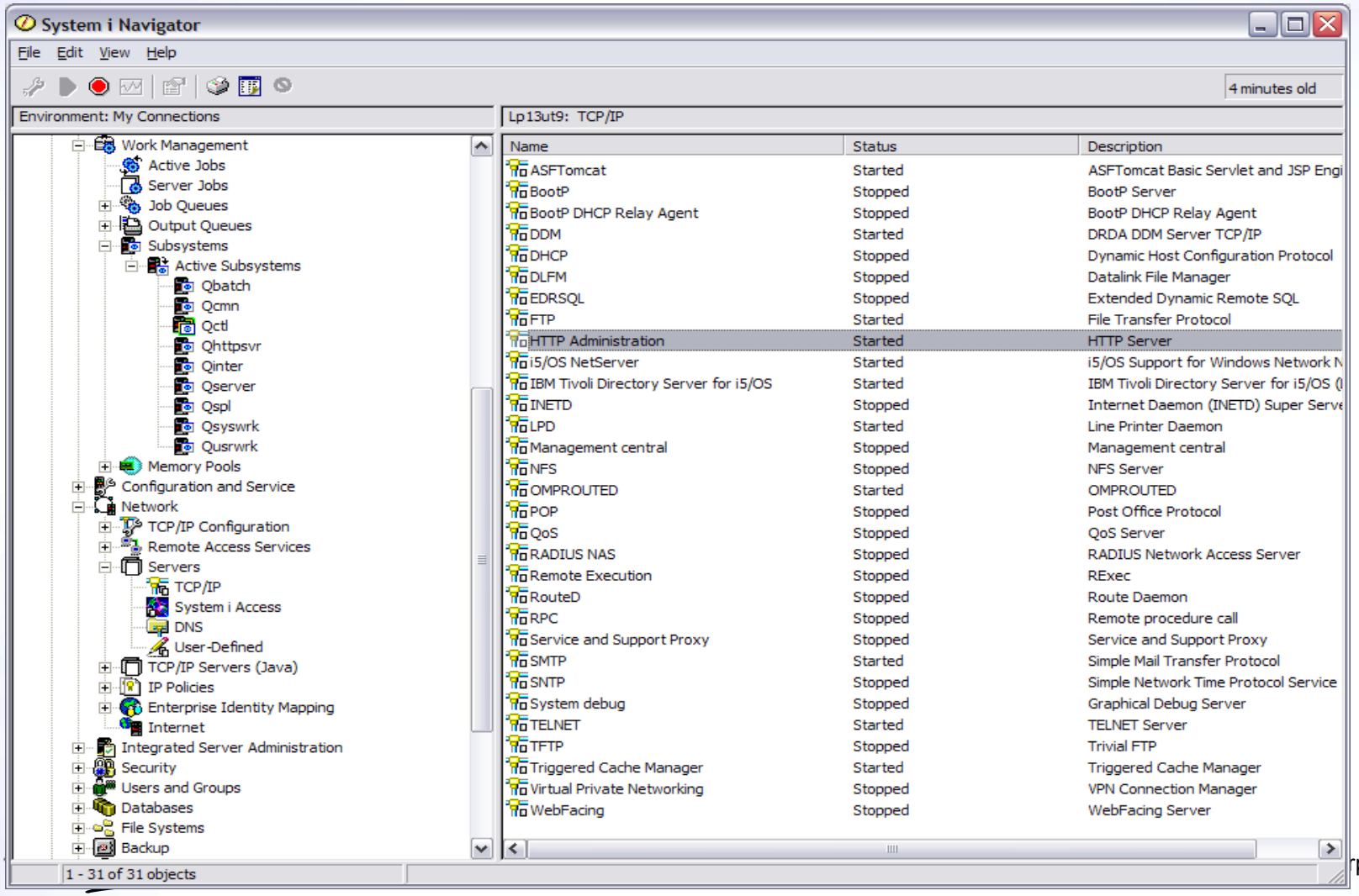
How does it work ?

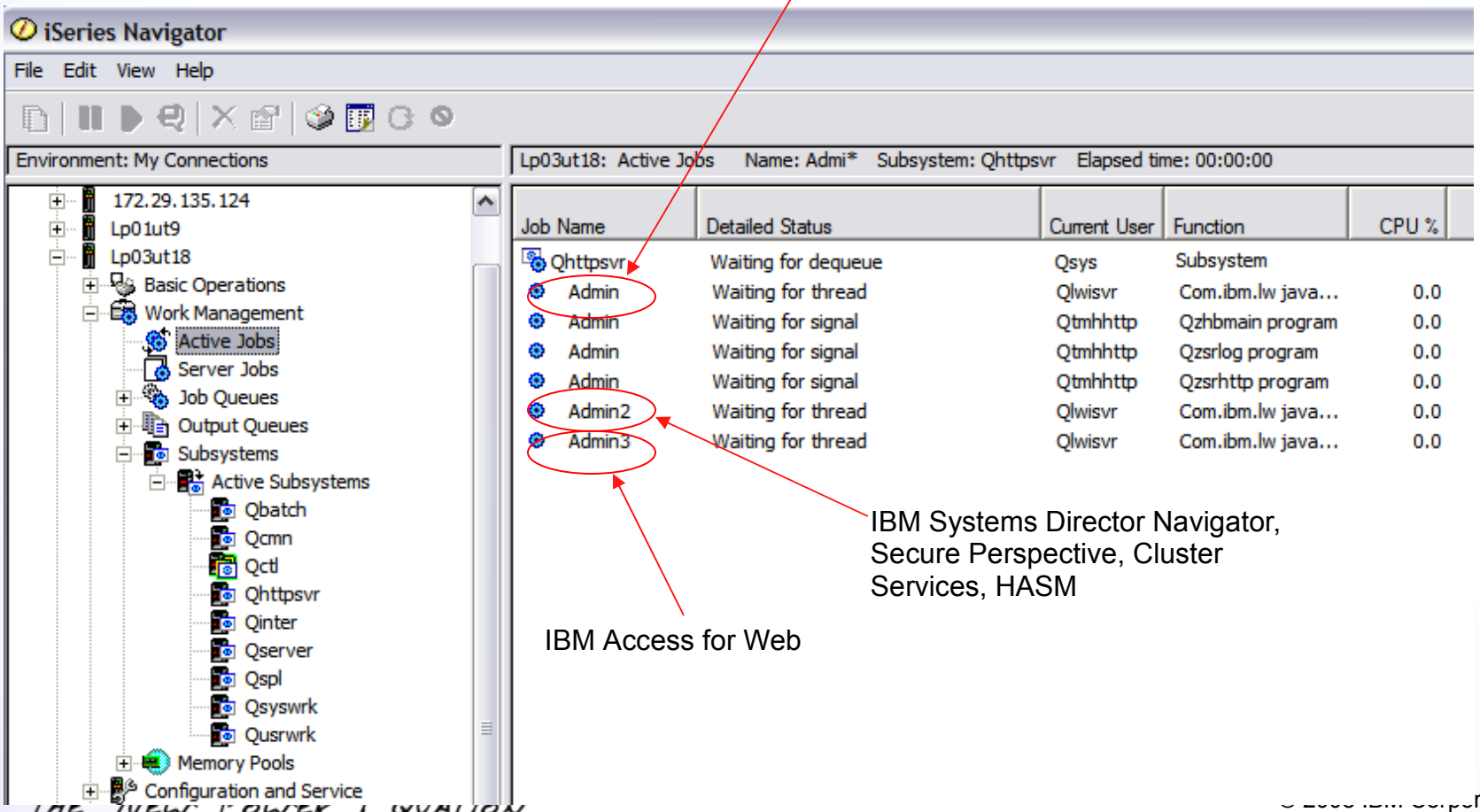
- **Ensure the HTTP Administration servers are running**
  - These servers will be an auto start server beginning in 6.1 – starts with the TCP/IP servers



rporation

How does it work ?

In 6.1 all Web based consoles run on the Integrated Web Application Admin servers.



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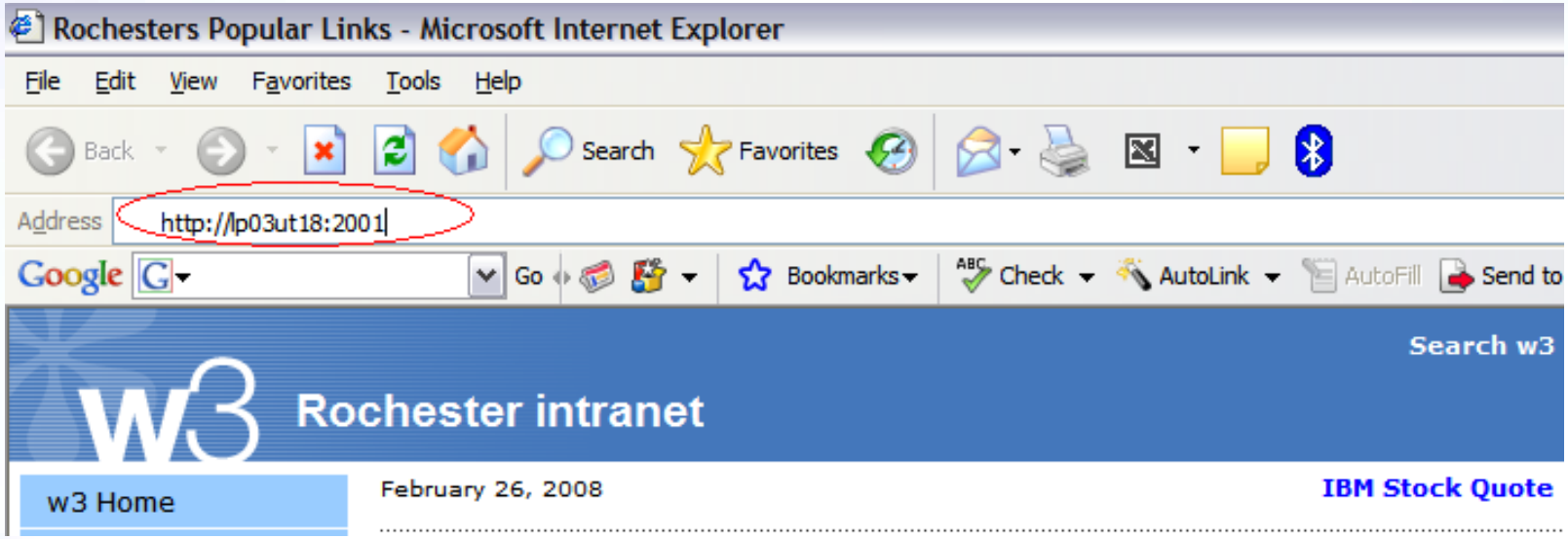
How does it work ?

- **Enter the following URL into a browser**
  - http://system:2001



Supports the following browsers:

- Microsoft® Internet Explorer, 6.0 or later
- Mozilla Firefox, 1.0 or later

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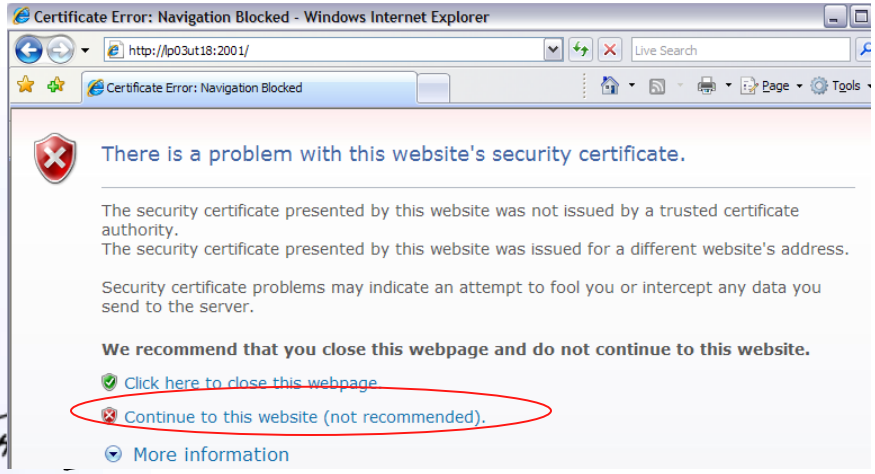
How does it work ?

- **Accept the certificate warnings**
  - Consoles runs on SSL

Internet Explorer 6

Internet Explorer 7



Firefox 2

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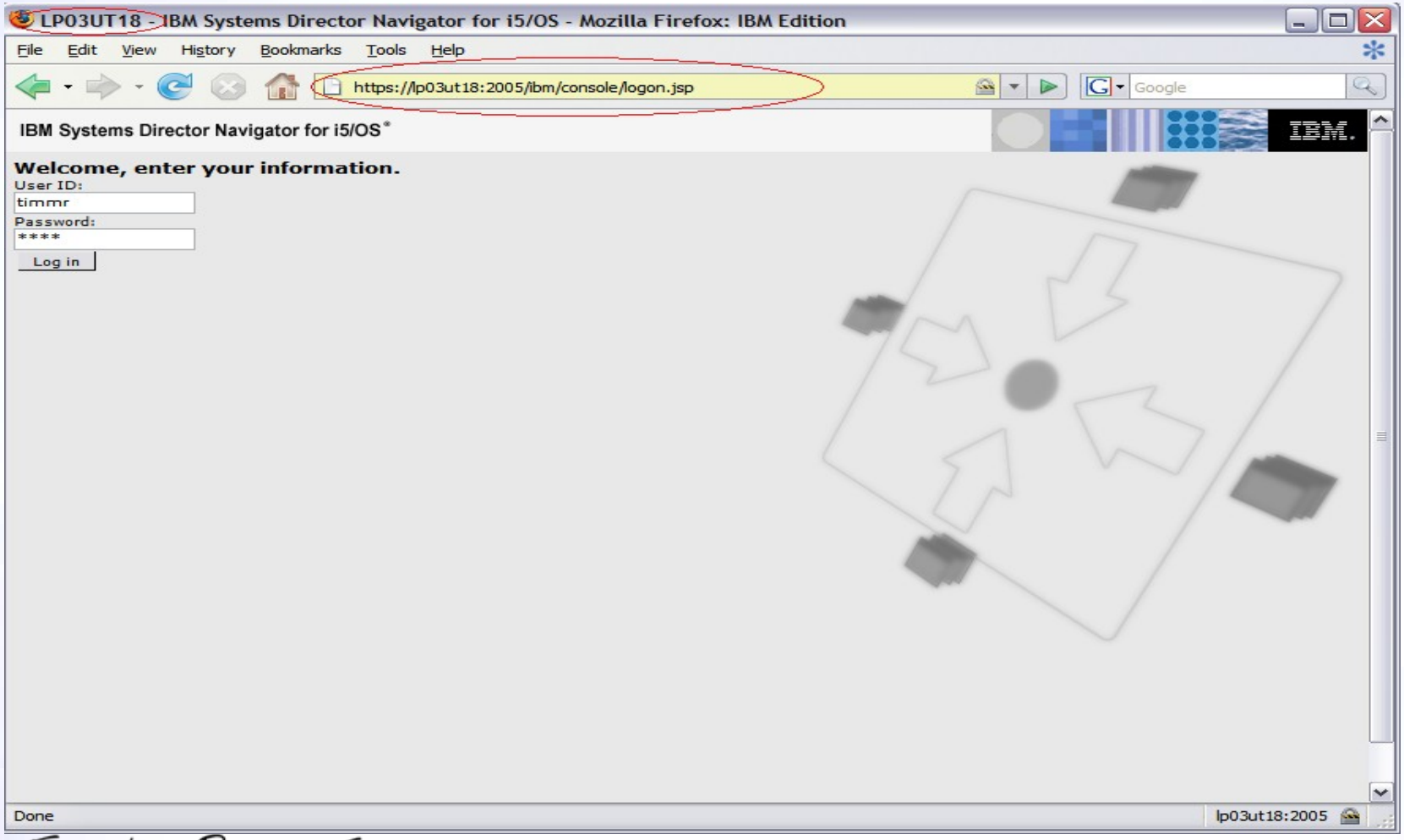
How does it work ?

- URL will be re-routed to secure path
- Enter your IBM i user ID and password for this system



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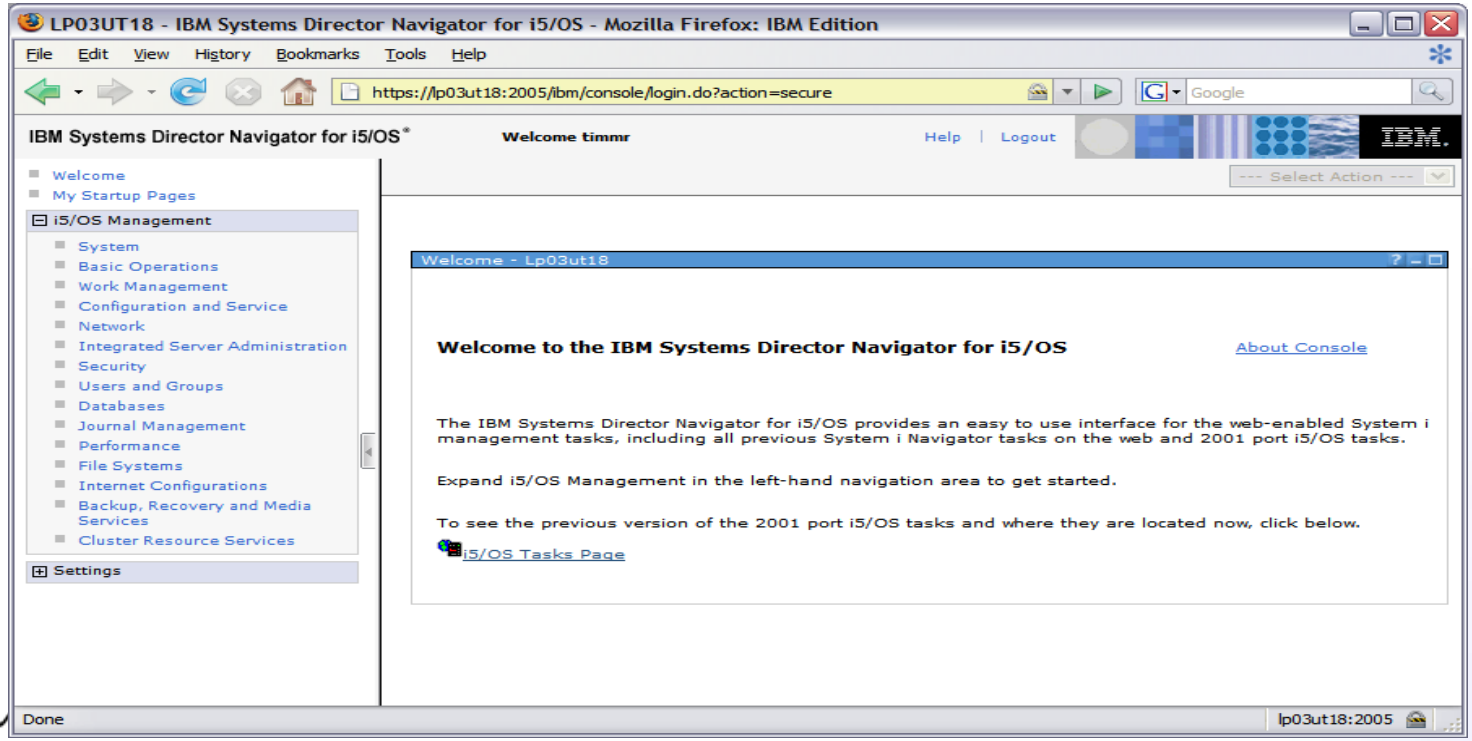
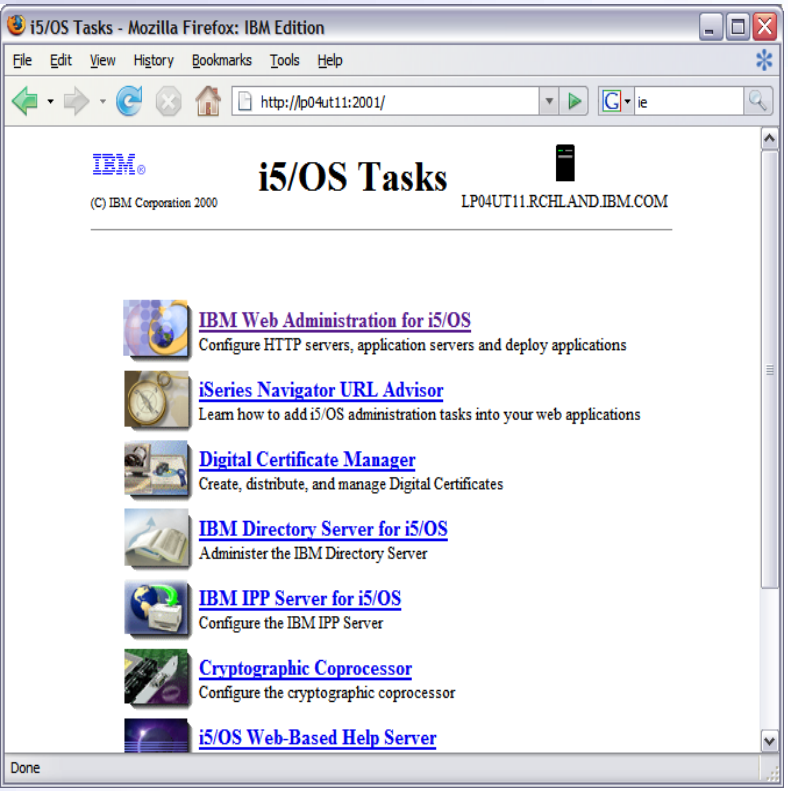
How does it work ?

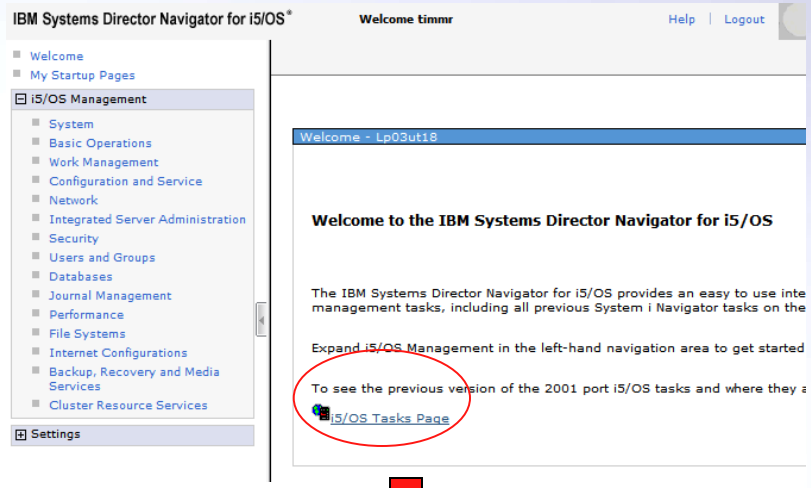
Web Console interface displays

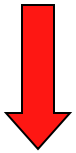
- Expand i5/OS Management to view the task categories
- Click on the desired task category to view the Welcome Page for that task
- Click on a task on the Welcome Page, or, click on the Show All Tasks button to view all web enabled tasks for that category
- Each selected task appears in a separate portlet, and a tab appears at the top of the work space

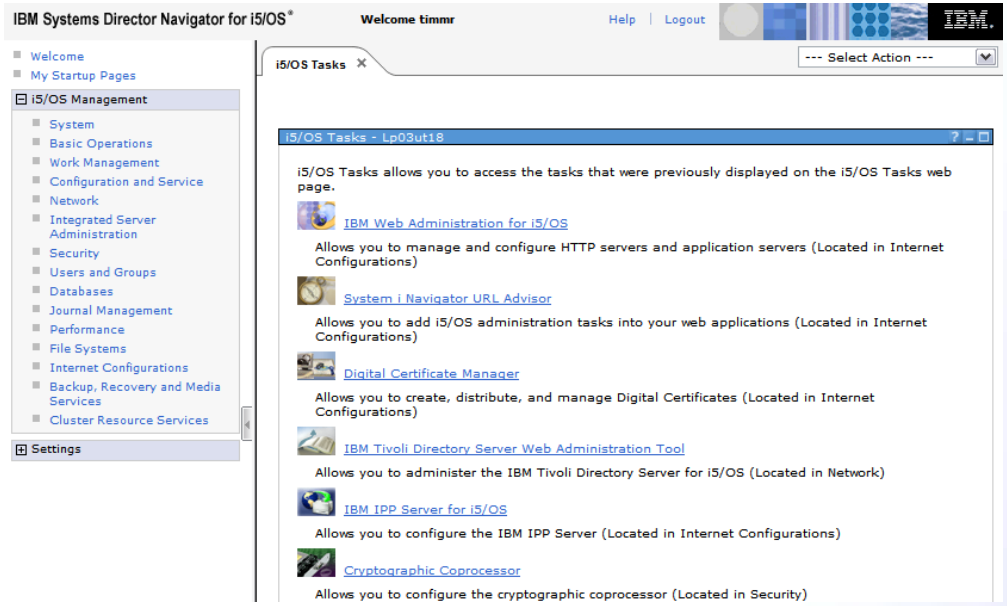


Where did the Task page go?





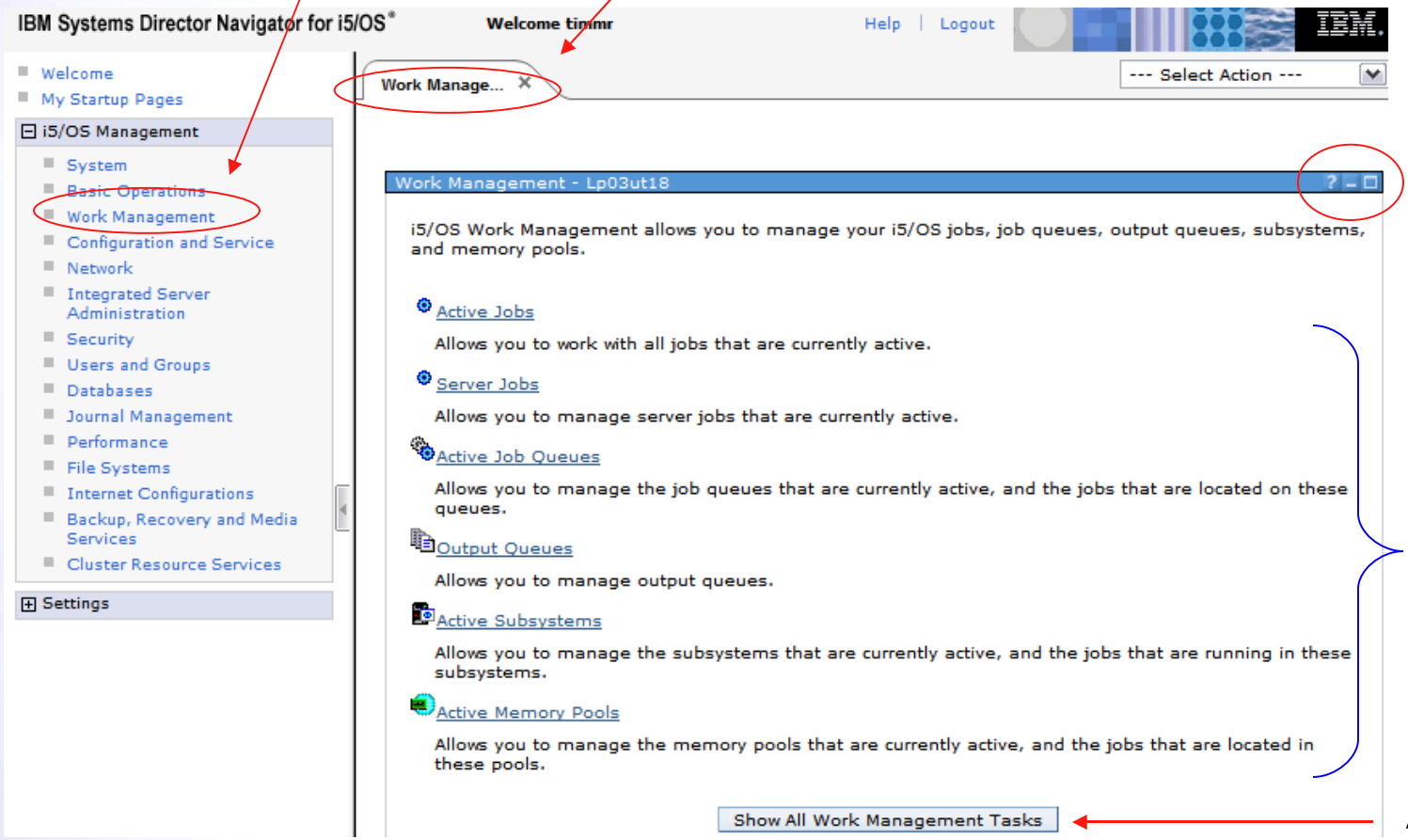




New controls overview

Left Navigation groups all the tasks in logical compartments

New Tab for each view!



Help link!

Most common functions included on each *Welcome* menu

All functions

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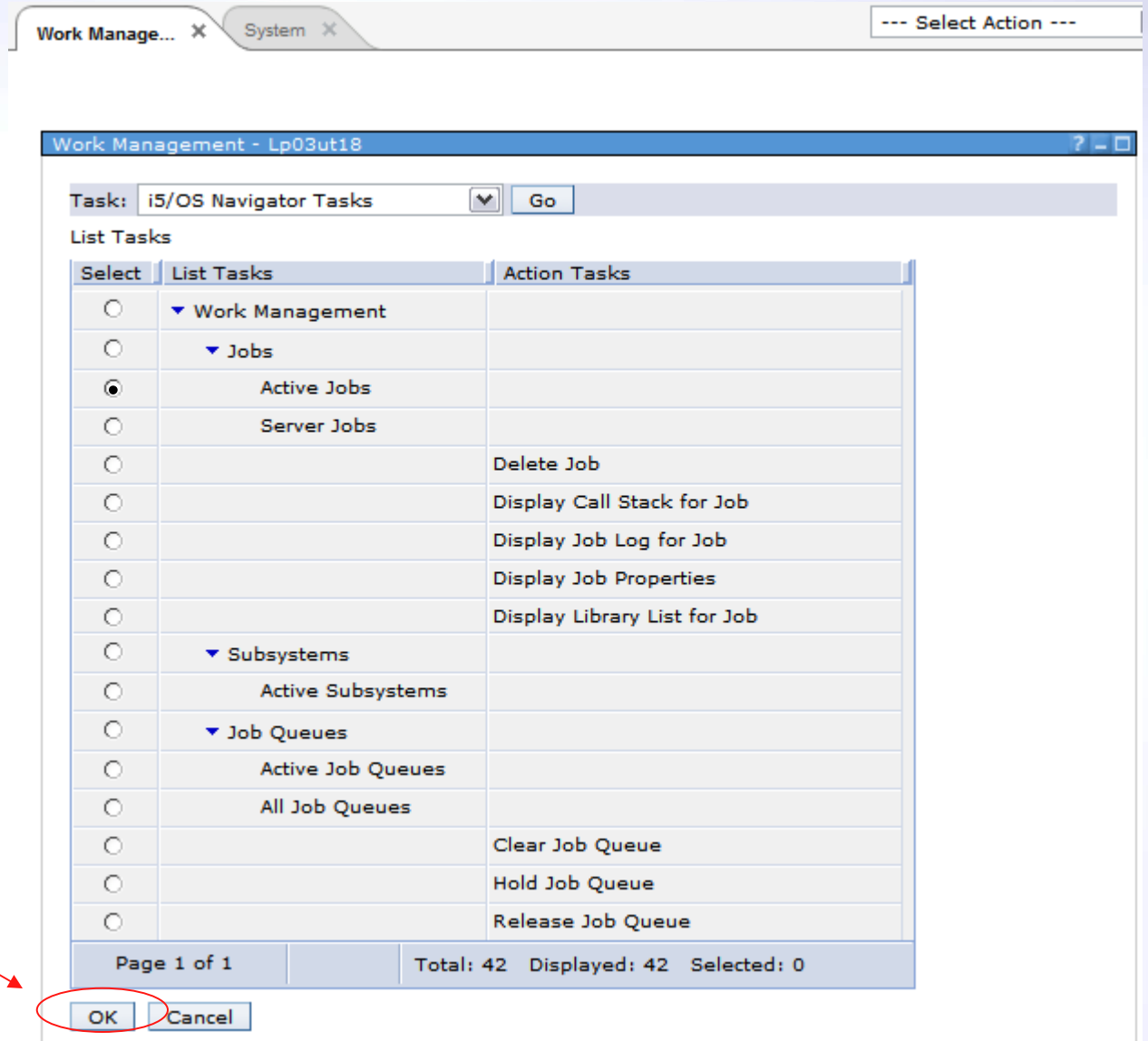
New controls overview

The ‘All Tasks’ view shows every task that is supported for this category in a tree view

- open / close tree nodes
- select the task, click OK at bottom of table



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New controls overview

Fast path icons to Table tasks!

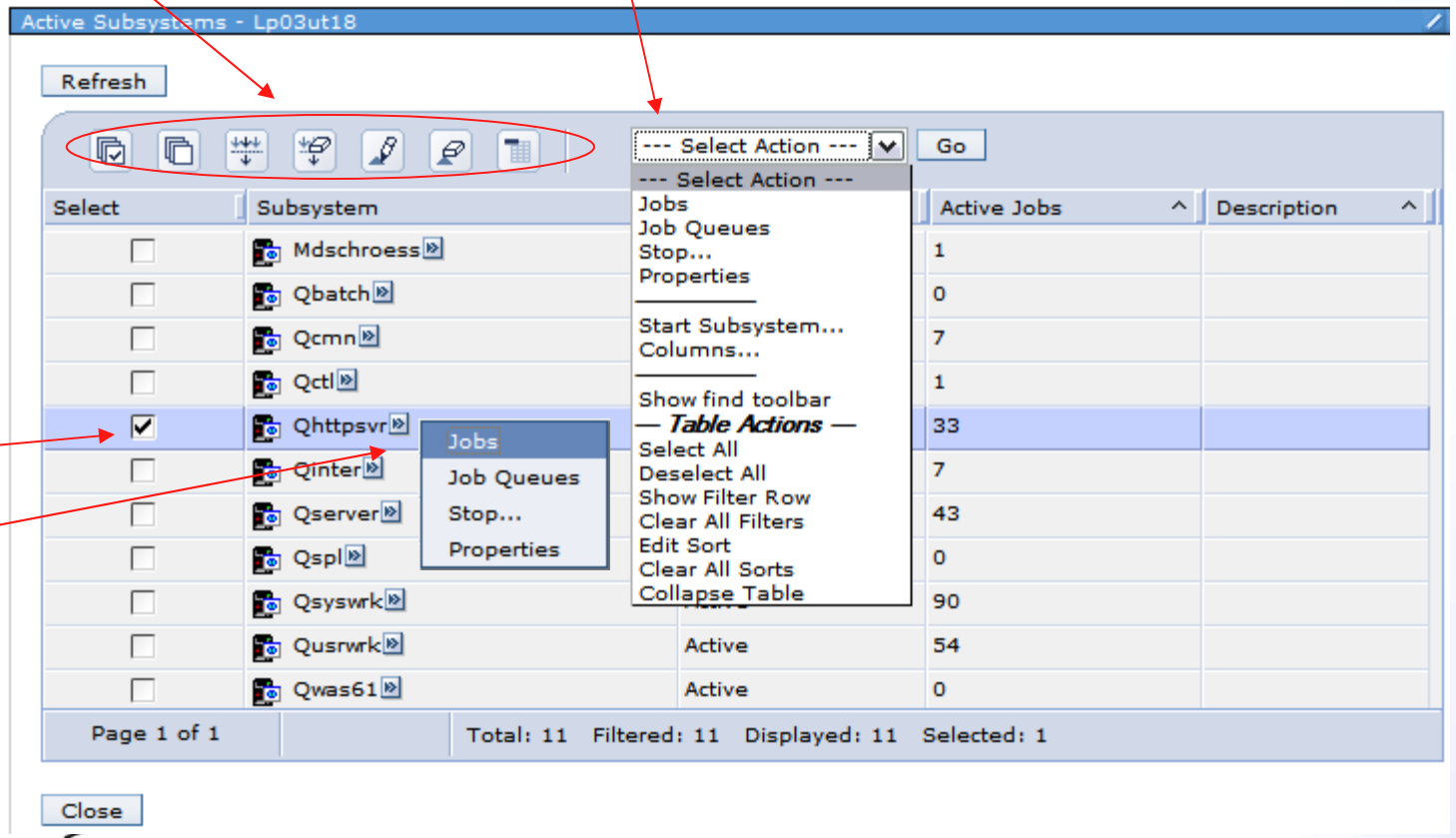
- Filters
- Sorts
- Entry selection

Select from the available actions

- Object tasks
- Category tasks
- Table tasks
  - Columns, Filters, Sorts

Select an entry

- Click on arrow
- Tasks for object



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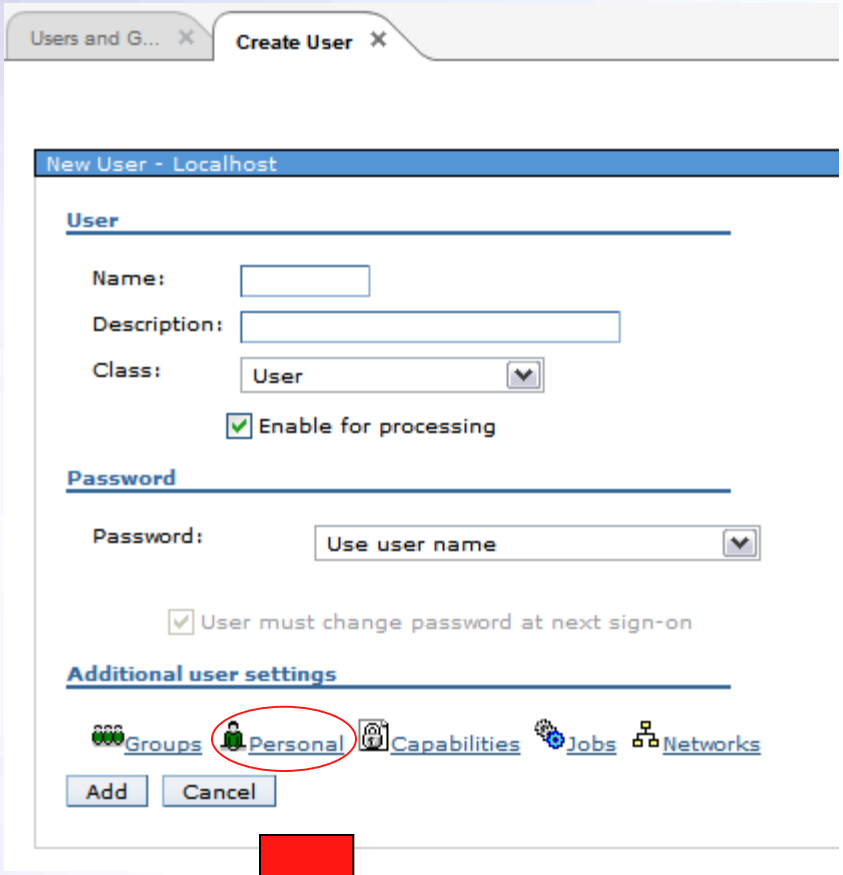
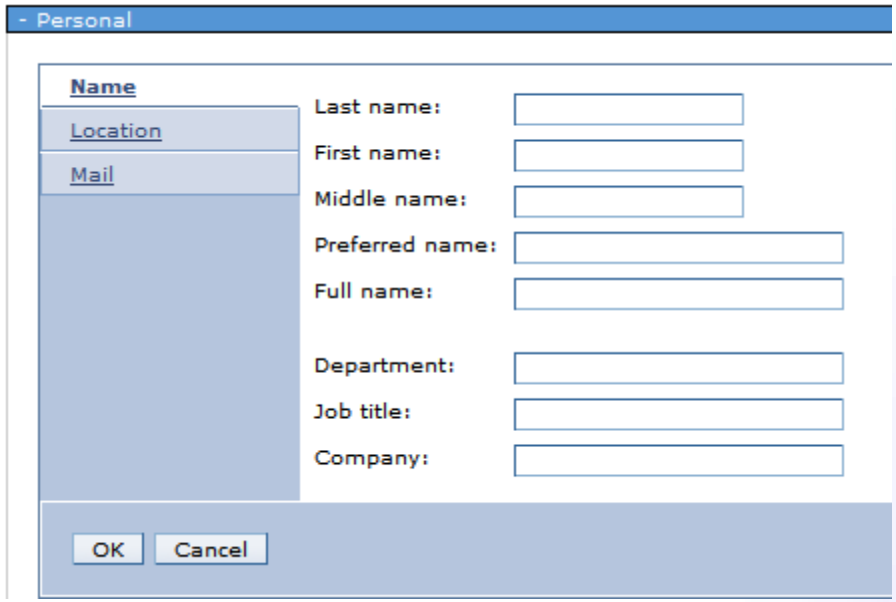
New controls overview



Operations are broken down to tasks with logical groupings



Wizard like interfaces to organize values

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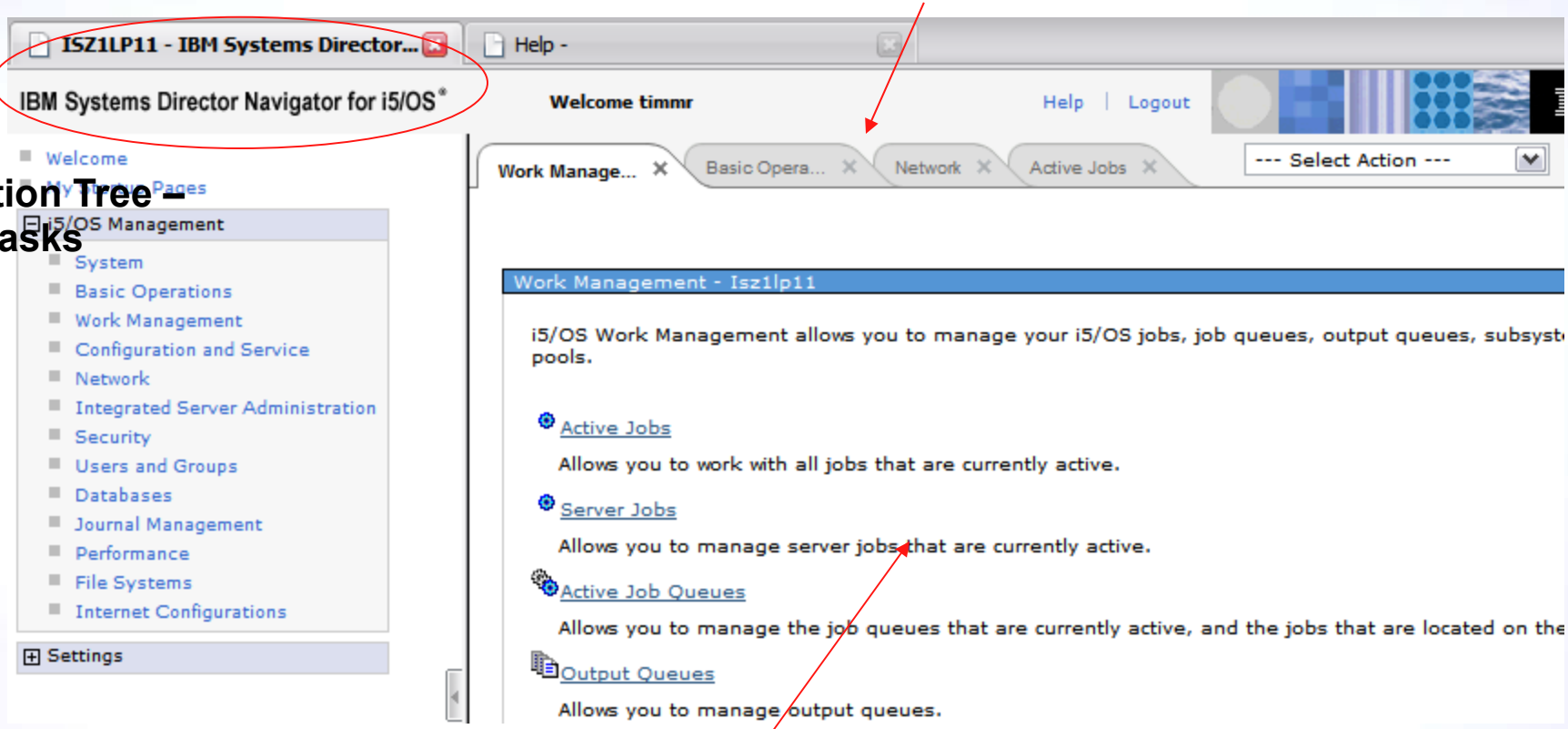
New controls overview - Terms

Banner – Common image across all consoles

Page Bar – navigate between pages



Navigation Tree – group tasks

Work area

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New controls overview – Portlet controls

- - allows you to edit settings for the portlet
- - return to the previous screen
- - displayed if help
- - minimize the module view; only the title bar is visible
- - maximize view, full portlet view is visible
- - close a portlet
- - console module can be refreshed without reloading the console page

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What's included – Base functions

System	Commonly used System tasks include viewing system status, messages, disk status, and passwords
Basic Operations	Basic tasks to easily manage lists of messages, printer output, and printers
Work Management	Control the work performed on the system including support for interactive and batch work. Distribute resources to ensure applications run well.
Configuration and Service	Functions to help you manage both hardware and software on your system, including System values, Time management, and Disk units
Network	Control TCP/IP configuration, Remote access services, networking servers, and IP Policies
Integrated Server Administration	Manage Servers hosted by i5/OS, enroll and manage users and groups
Security	Functions allow you to plan and implement security on your system, Authorization lists, Object permissions, Cryptographic functions

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What's included – Base functions

Users and Groups	Display and a manage a complete list of the users & groups, create, delete, modify
Databases	Graphical interface to perform many common admin database operations, access and modify objects, work with performance monitors, as well as access the Health center
Journal Management	Work with journals and journal receivers
Performance	Collect performance data, view the collection to investigate potential performance issues
File Systems	Links to the most commonly used File Systems tasks, integrated file system, i5/OS NetServer, Network File System
Internet Configurations	i5/OS internet configuration tasks, HTTP Server, Digital Certificates, IBM IPP, Web-based help server, Internet Setup wizard

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What's included – Additional LPPS

Backup, Recovery, and Media Services	Manage your most critical and complex backups, including online backups of Lotus servers, simply and easily. You can also recover your system fully in the event of a disaster or hardware failure.
Cluster Resource Services	Task-based approach for setting up and managing your high availability solution. Create a customized high availability solution by separately creating each element of the high availability solution. Create and manage clusters, cluster resource groups, device domains, cluster administrative domains, and perform switchovers.
High Availability Solutions Manager	Easy-to-use, guided approach to setting up high availability. This interface ensures and validates prerequisites, configures all necessary technologies for the selected solution, and tests the set up. This management solution interface is best for smaller businesses who want simpler solutions that require fewer resources.
Performance	Browser-based performance tasks, manage performance data collections, graphical user interface for collecting performance data, graphically view and analyze performance data using Collection Services, Job Watcher, Disk Watcher

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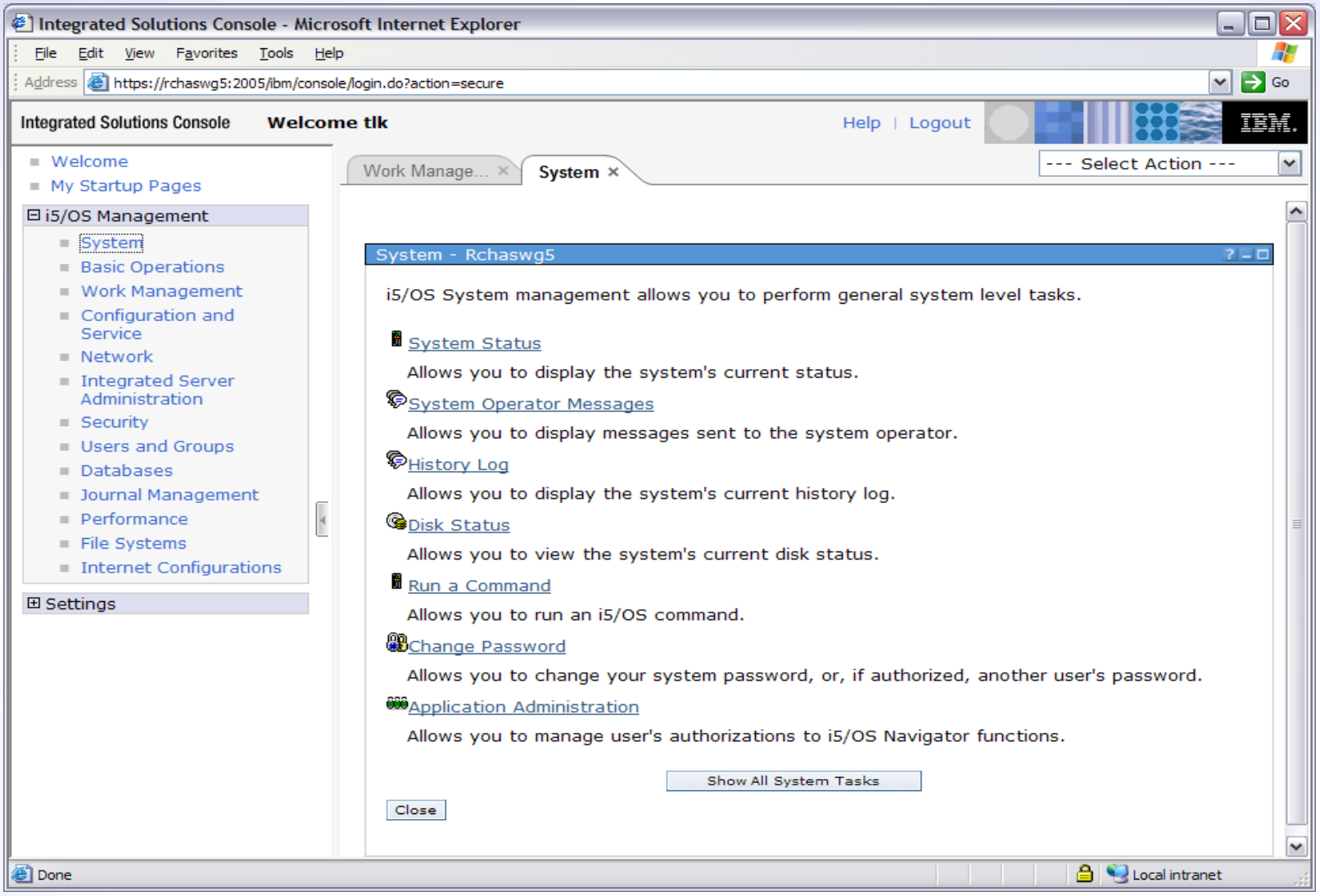
Welcome Pages - System



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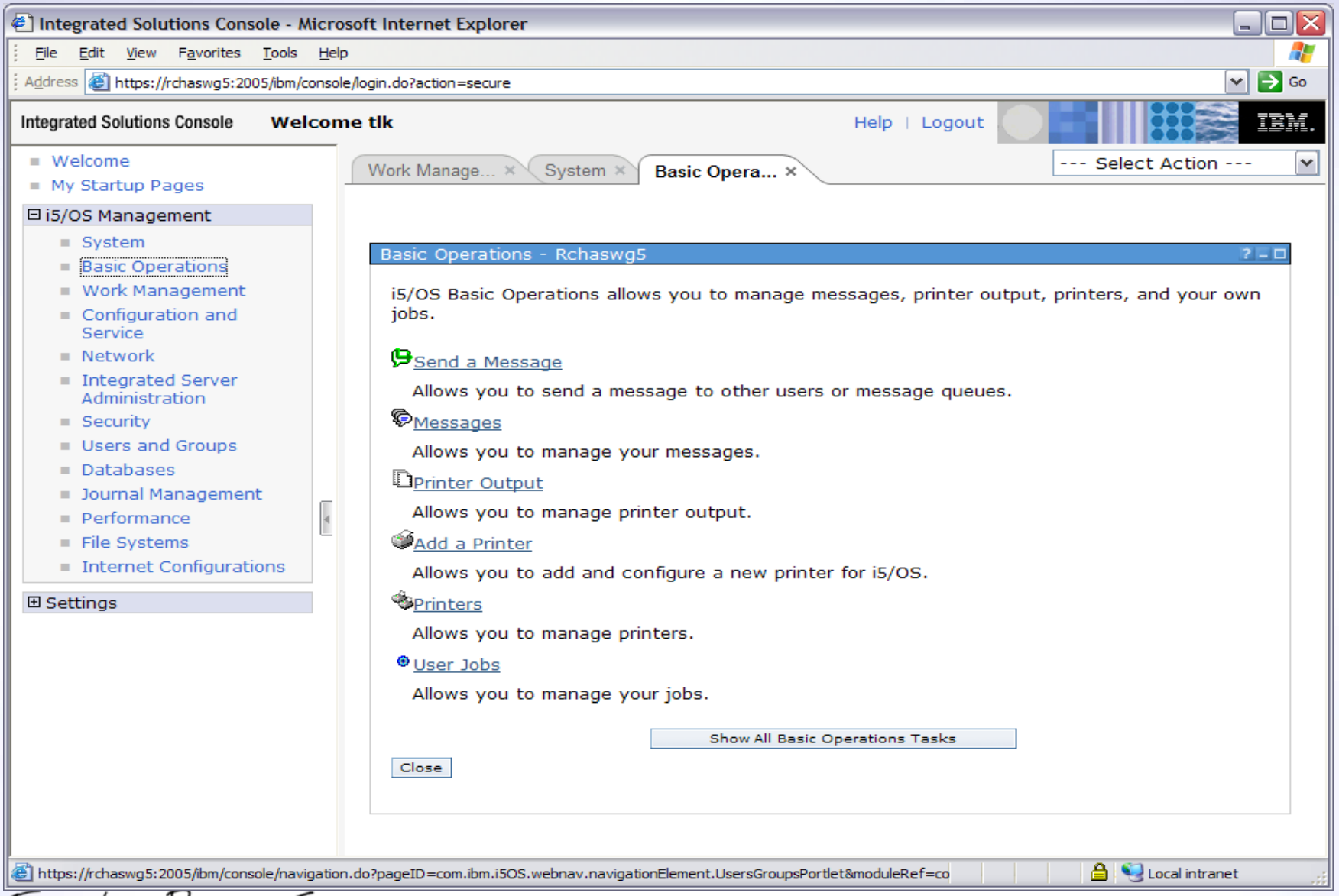
Welcome Pages – Basic Operations



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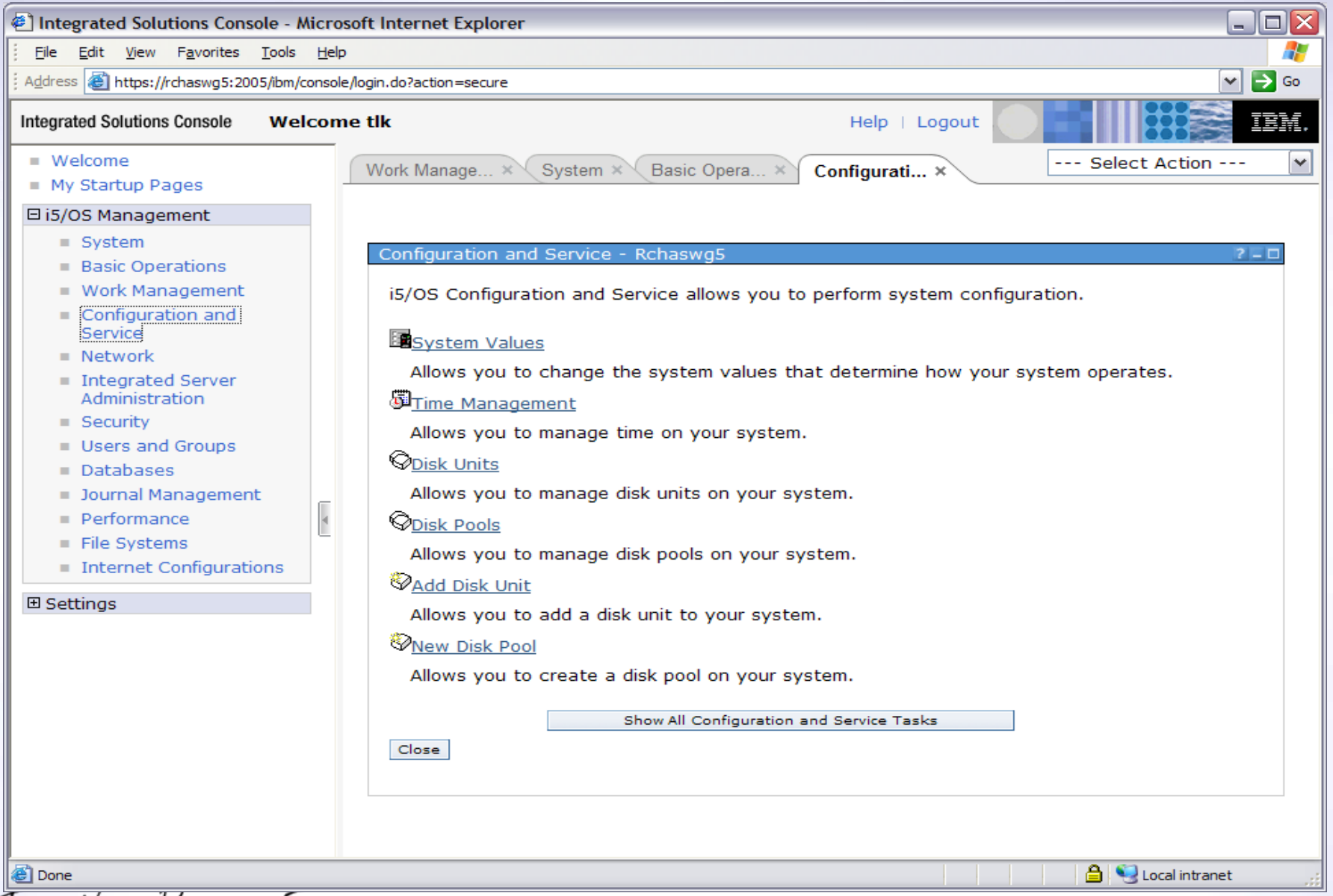
Welcome Pages – Configuration and Service



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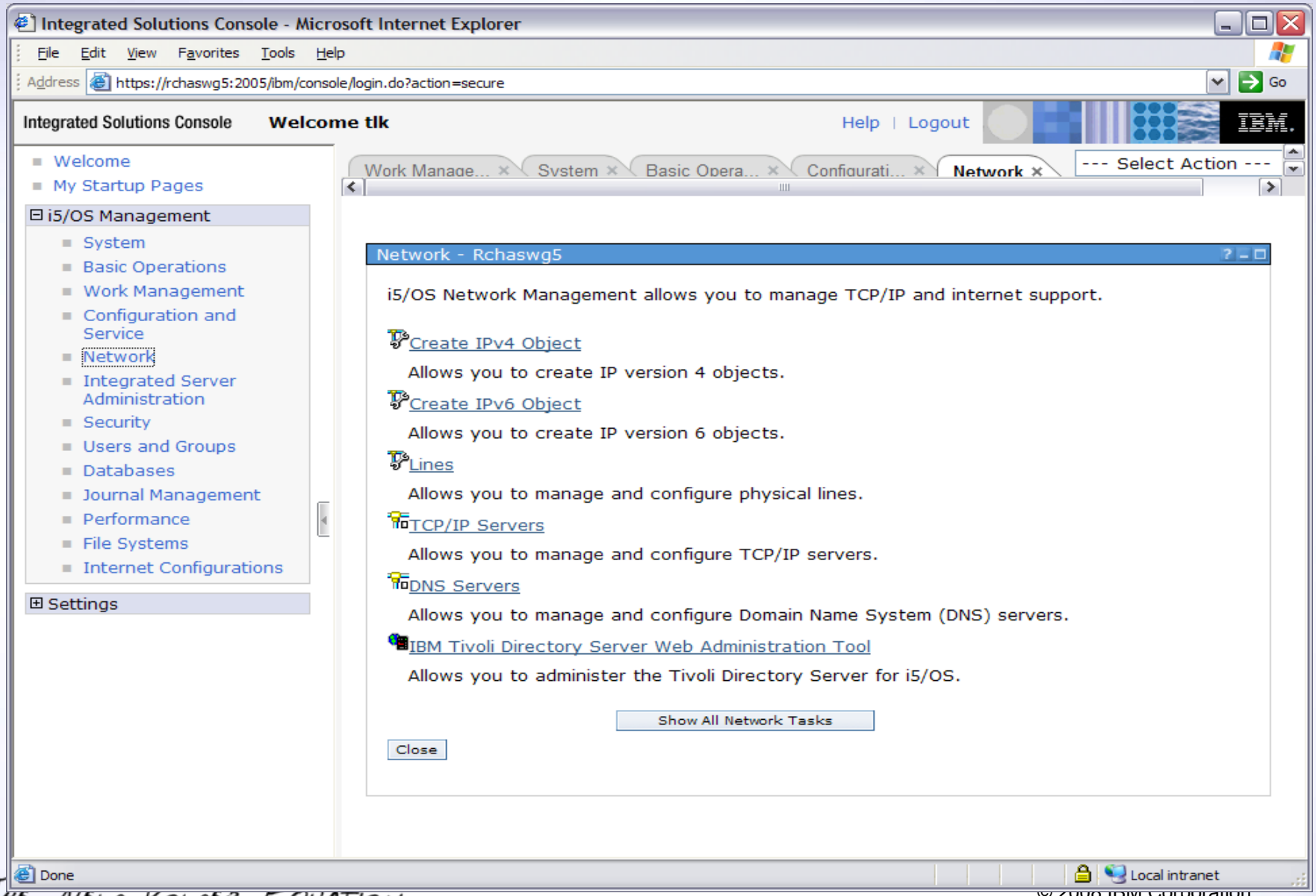
Welcome Pages - Network



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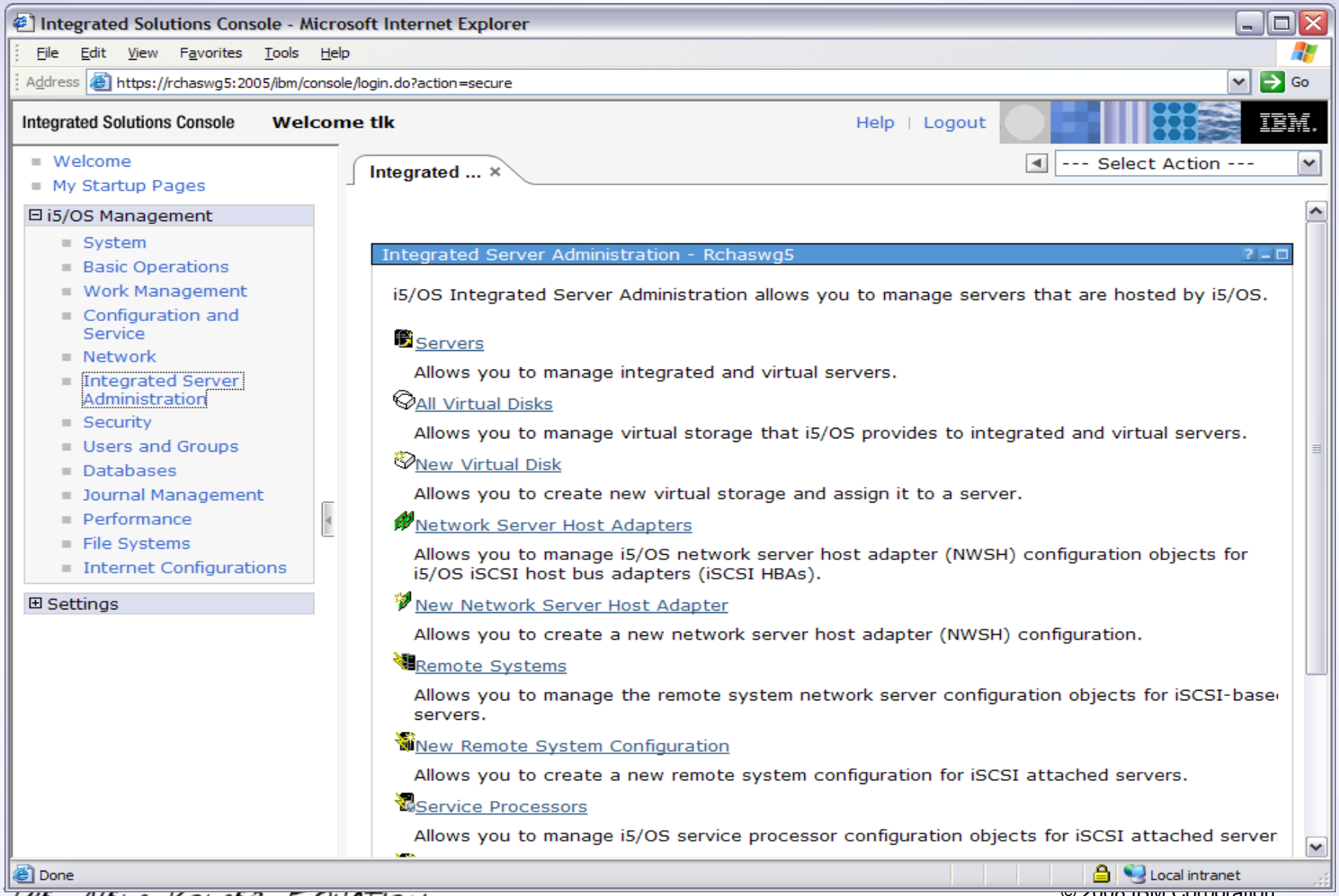
Welcome Pages – Integrated Server Administration



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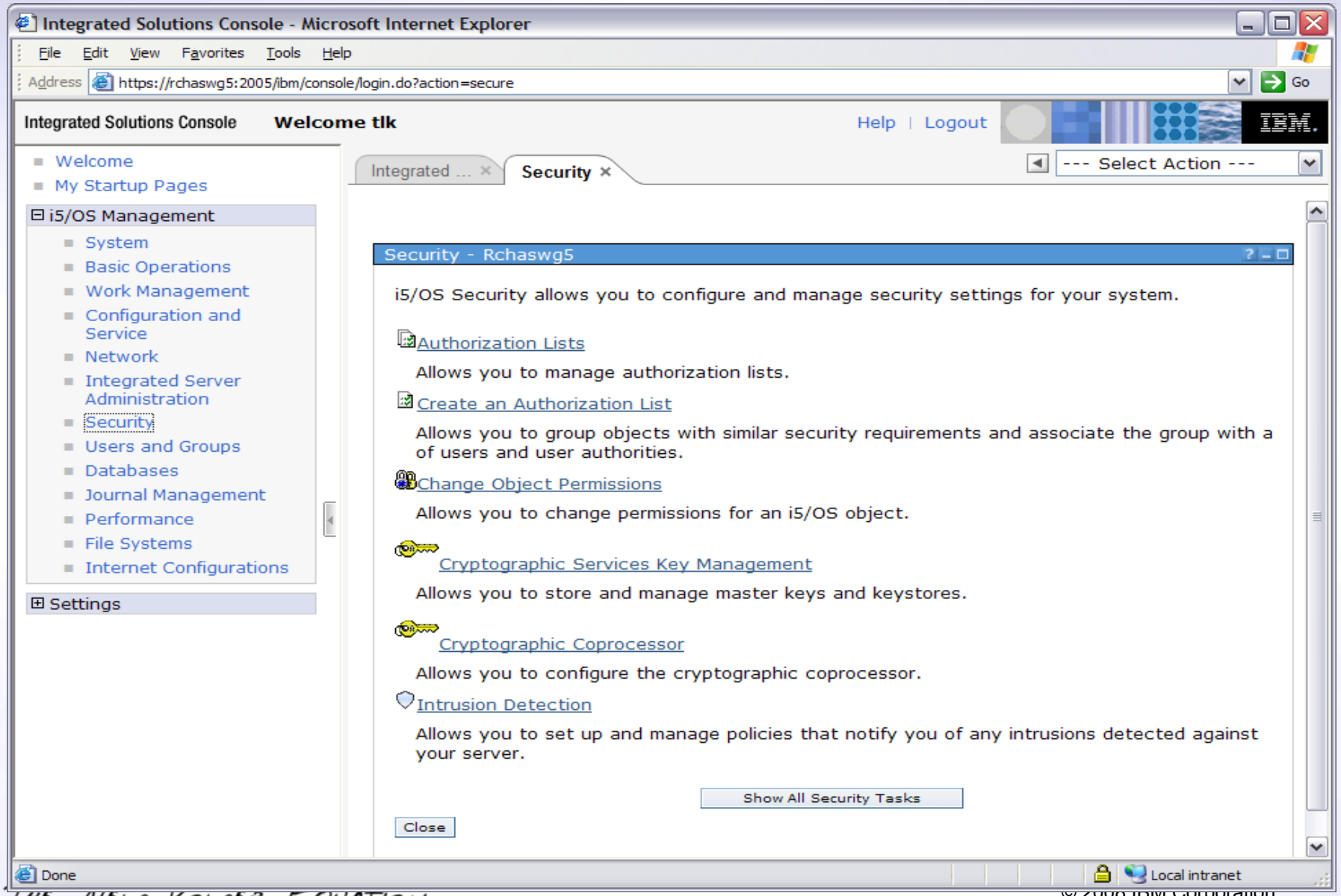
Welcome Pages - Security



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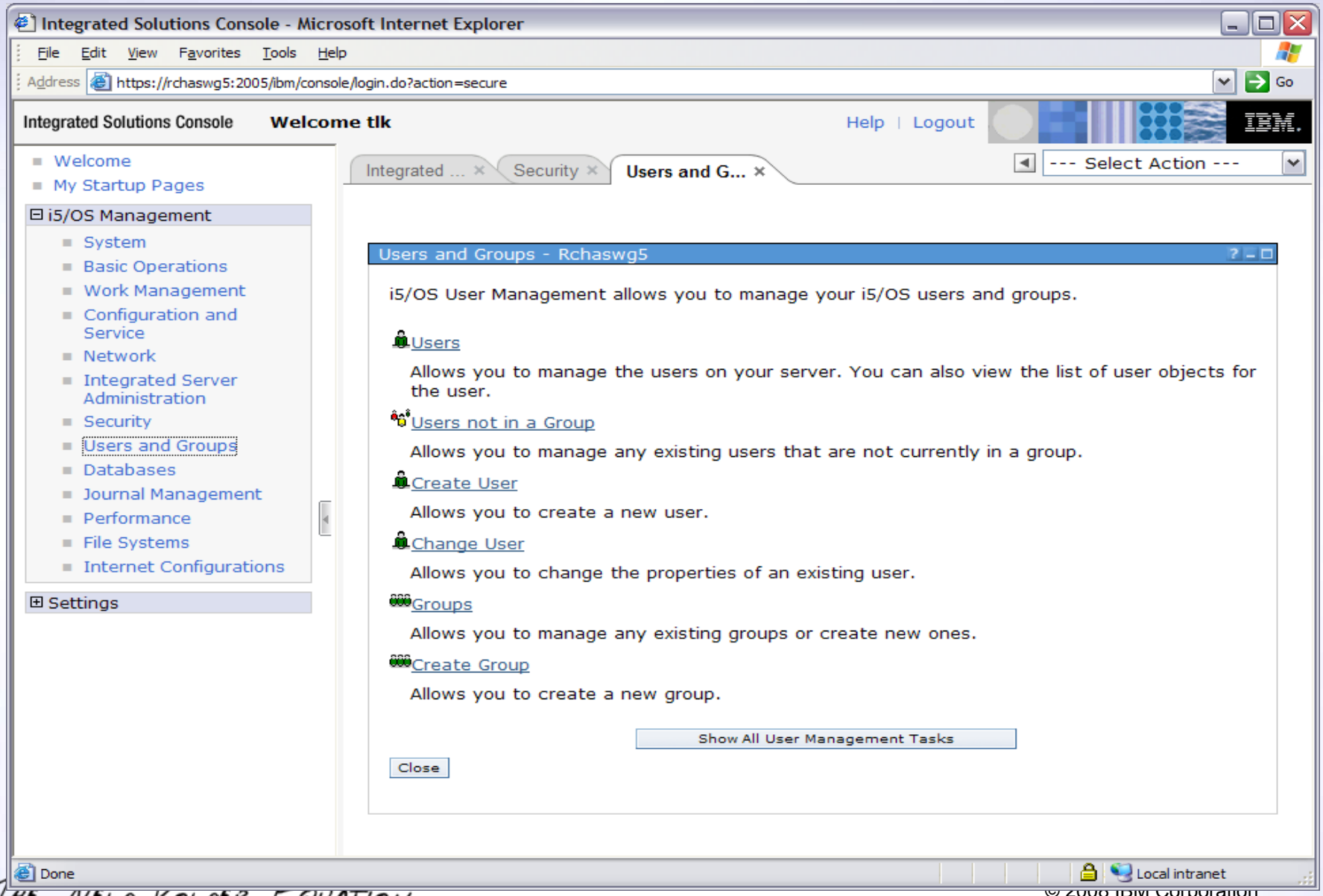
Welcome Pages – Users and Groups



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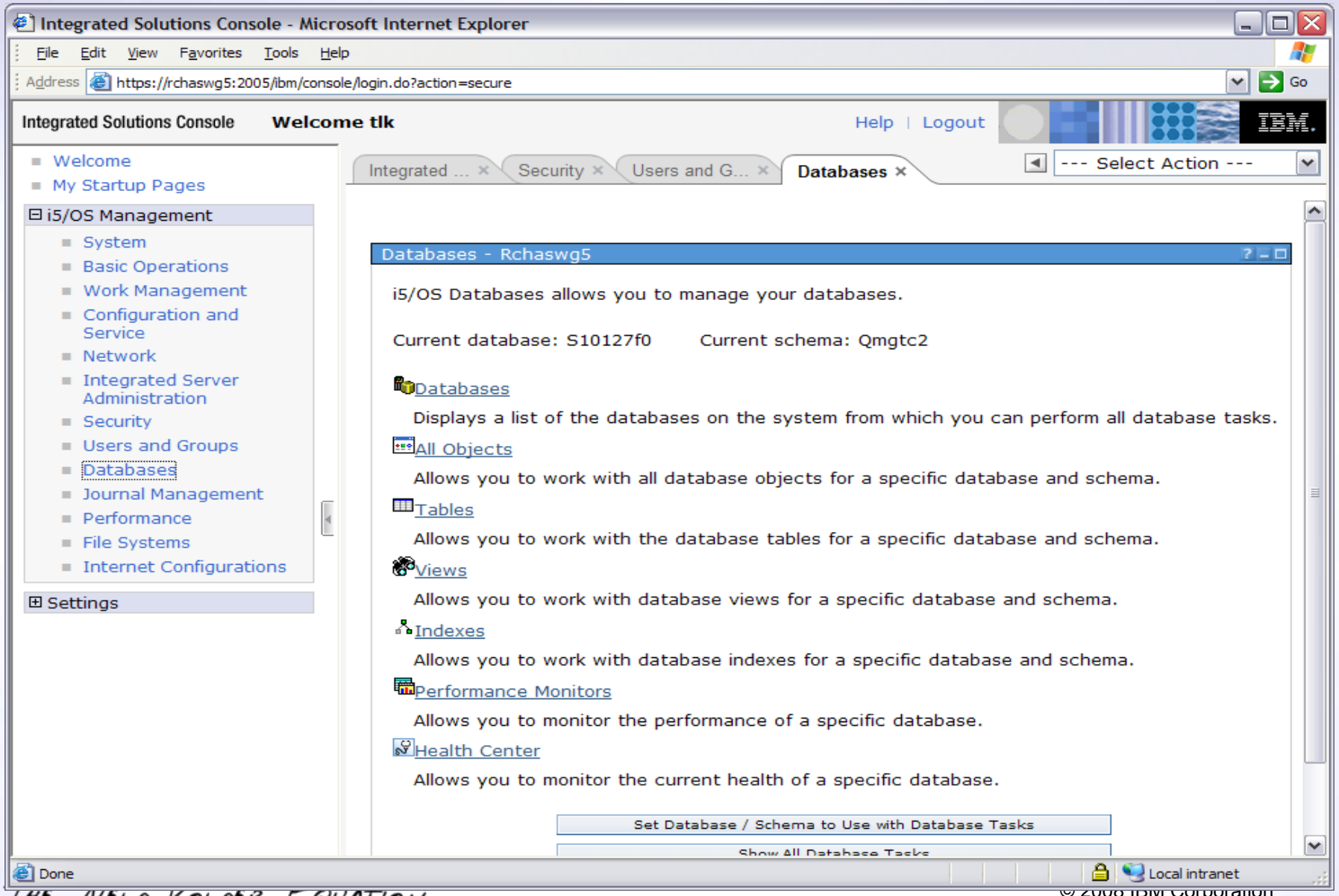
Welcome Pages - Databases



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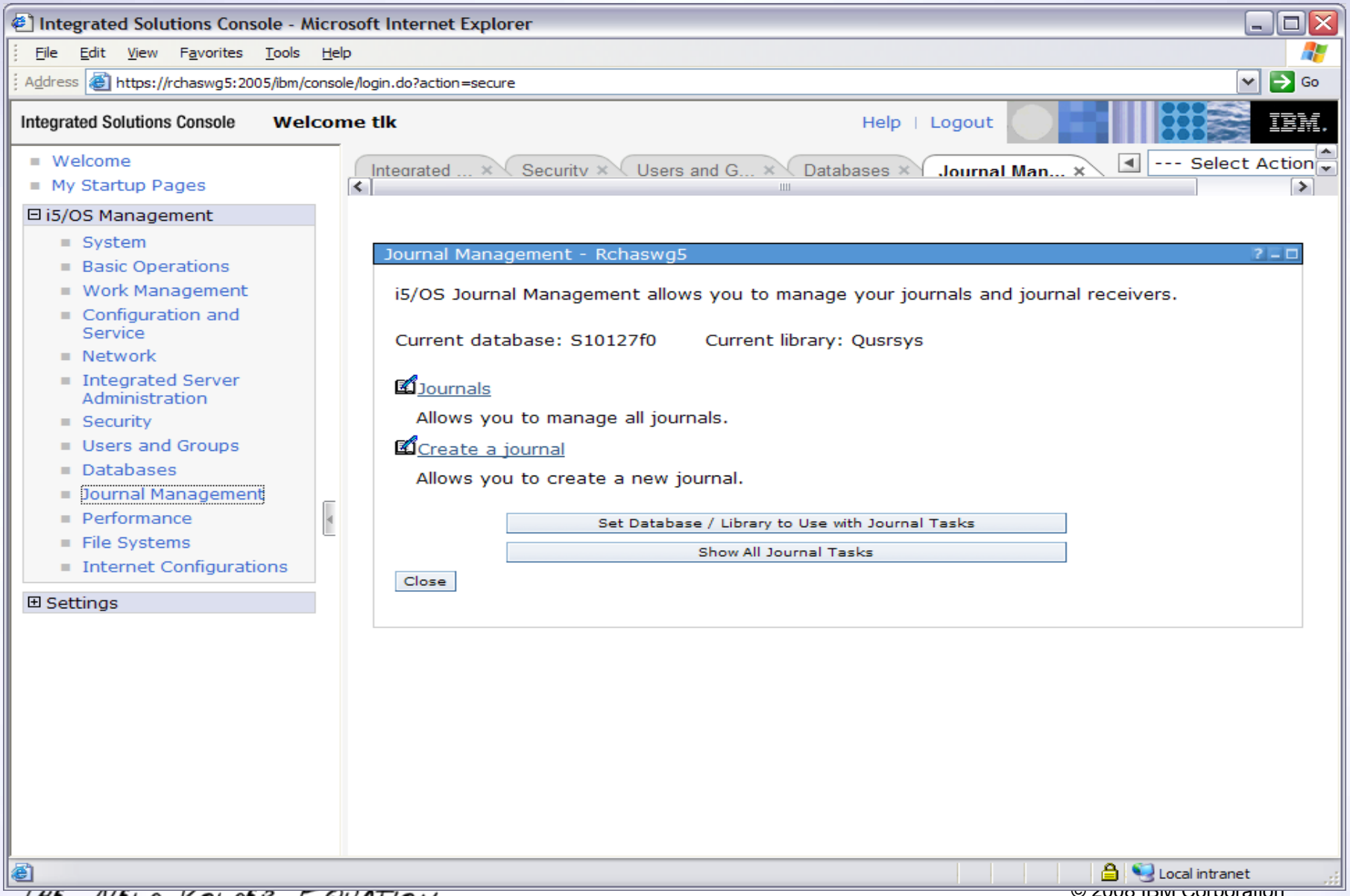
Welcome Pages – Journal Management



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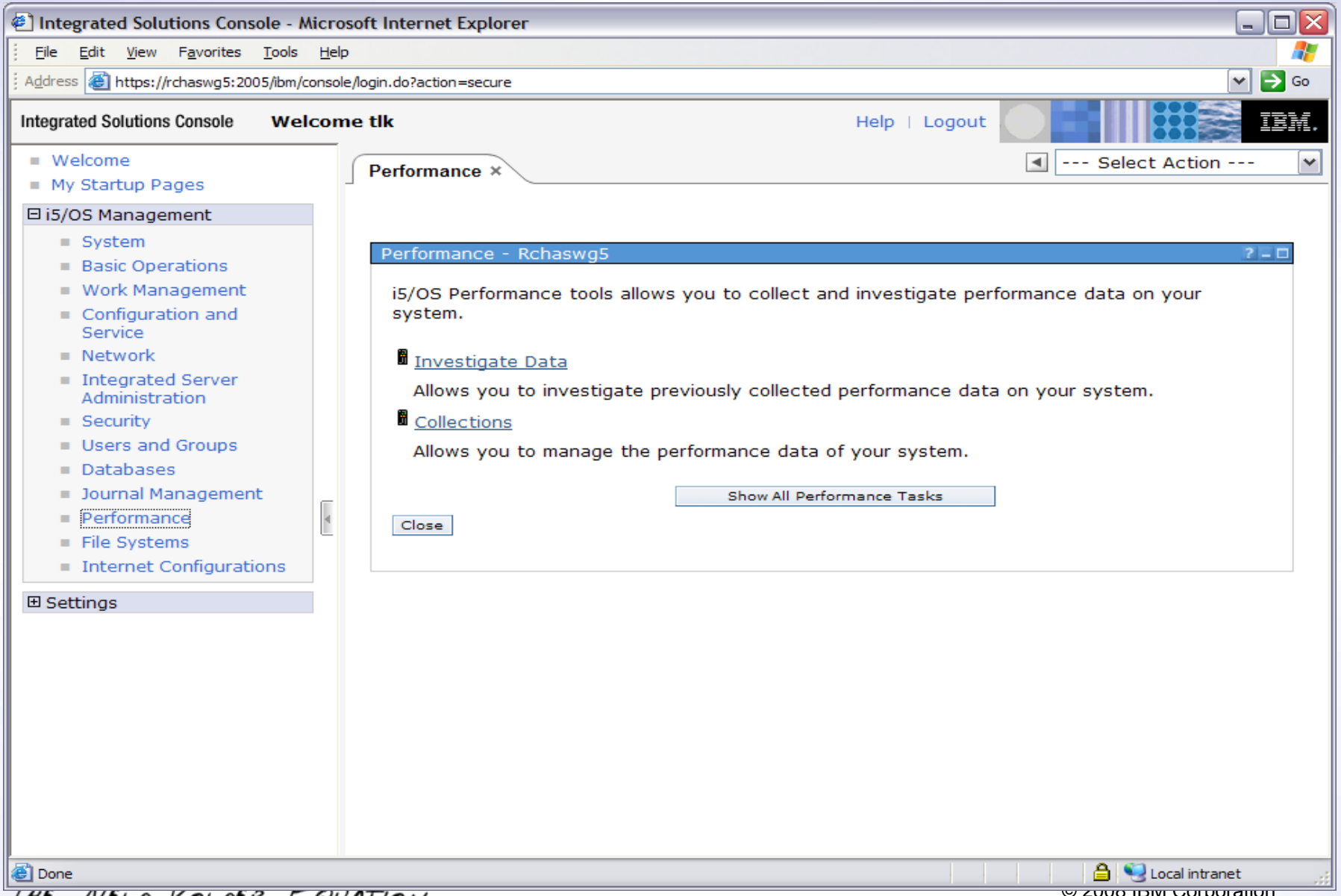
Welcome Pages - Performance



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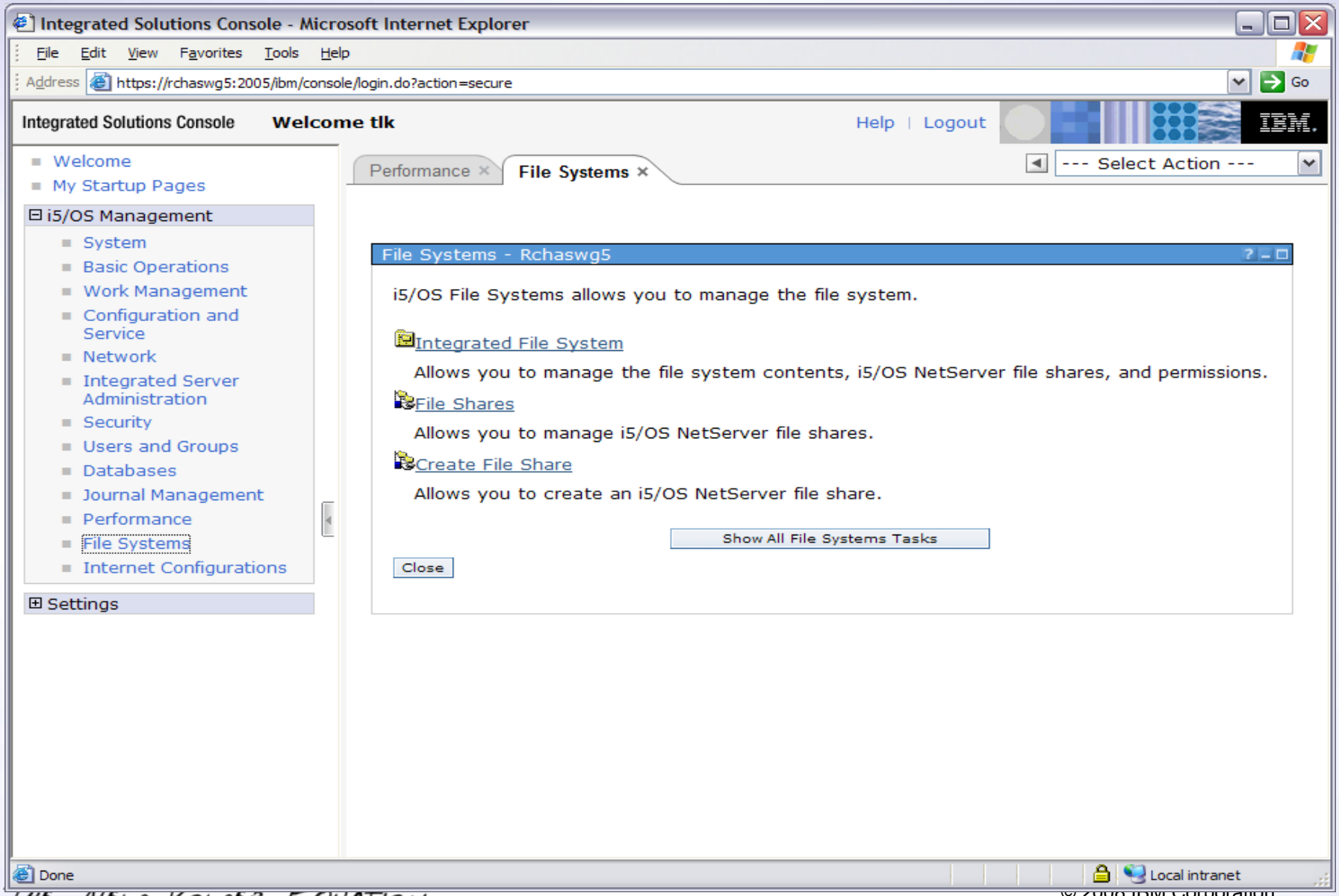
Welcome Pages – File Systems



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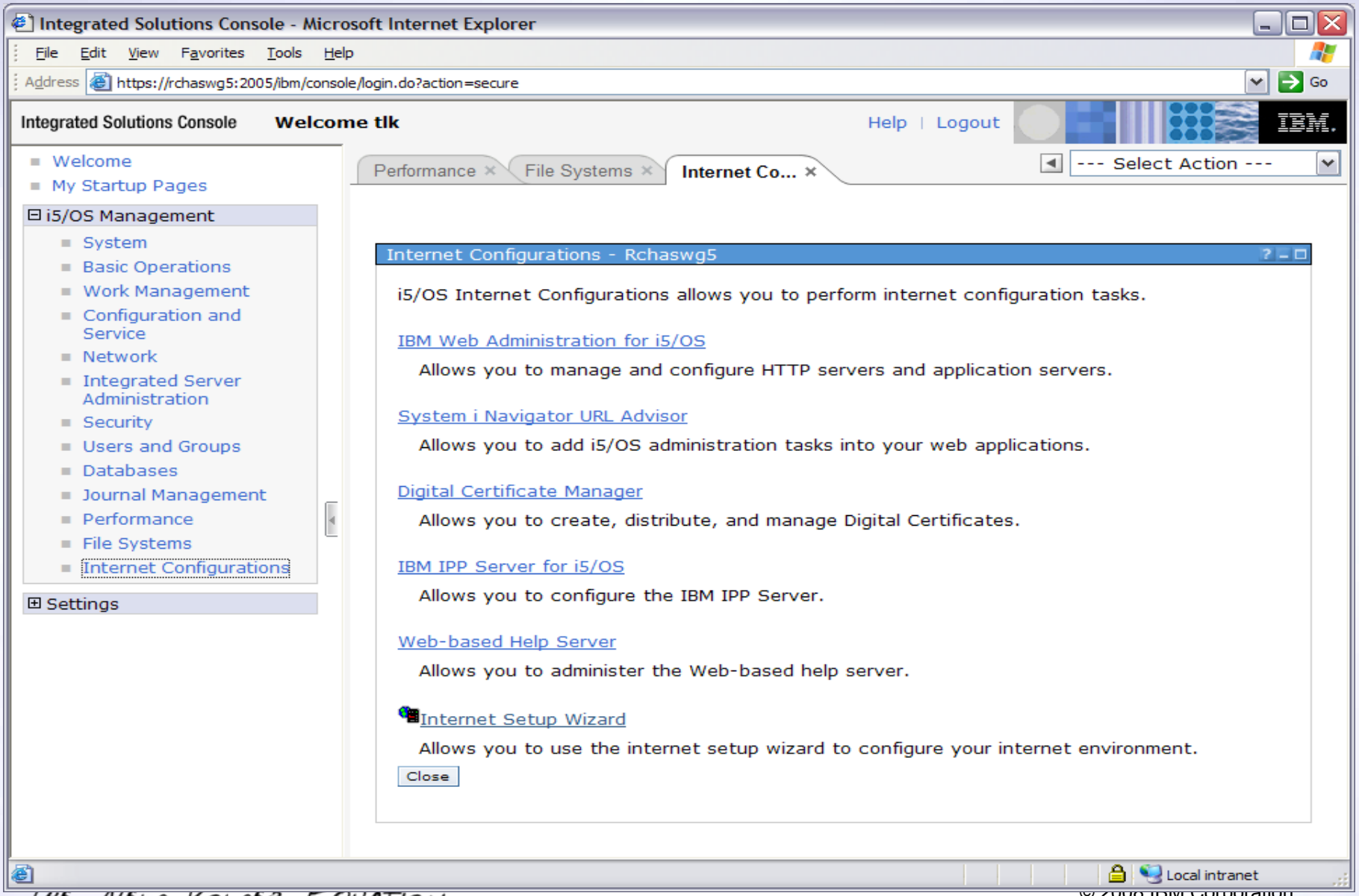
Welcome Pages – Internet Configurations



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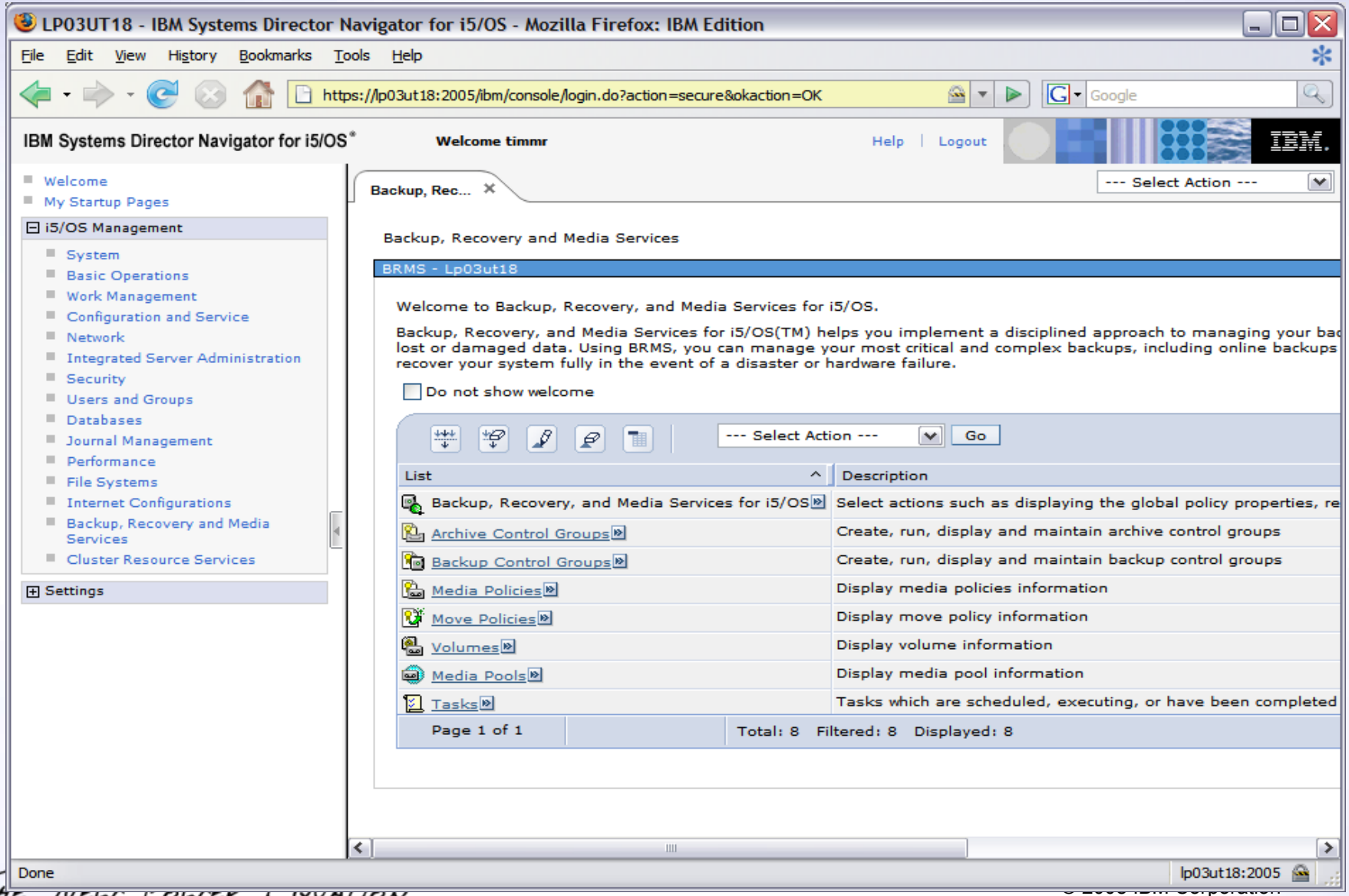
Welcome Pages – Backup, Recovery and Media Services



Additional Info – Backup, Recovery and Media Services

LPPS:

- 5761BR1 *BASE Backup Recovery and Media Services
- 5761BR1 1 BRMS - Network Feature
- 5761BR1 2 BRMS - Advanced Feature

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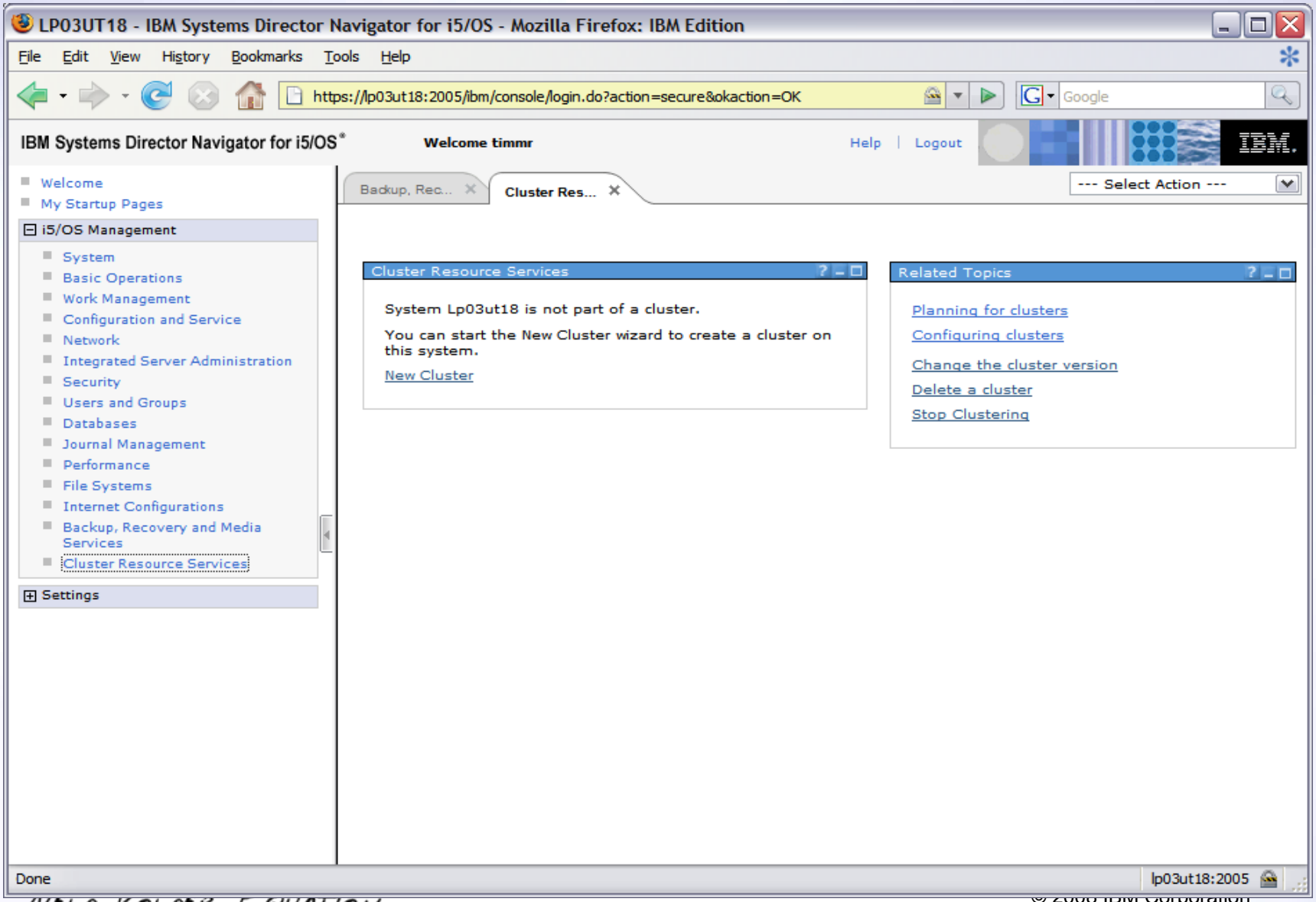
Welcome Pages – Cluster Resource Services



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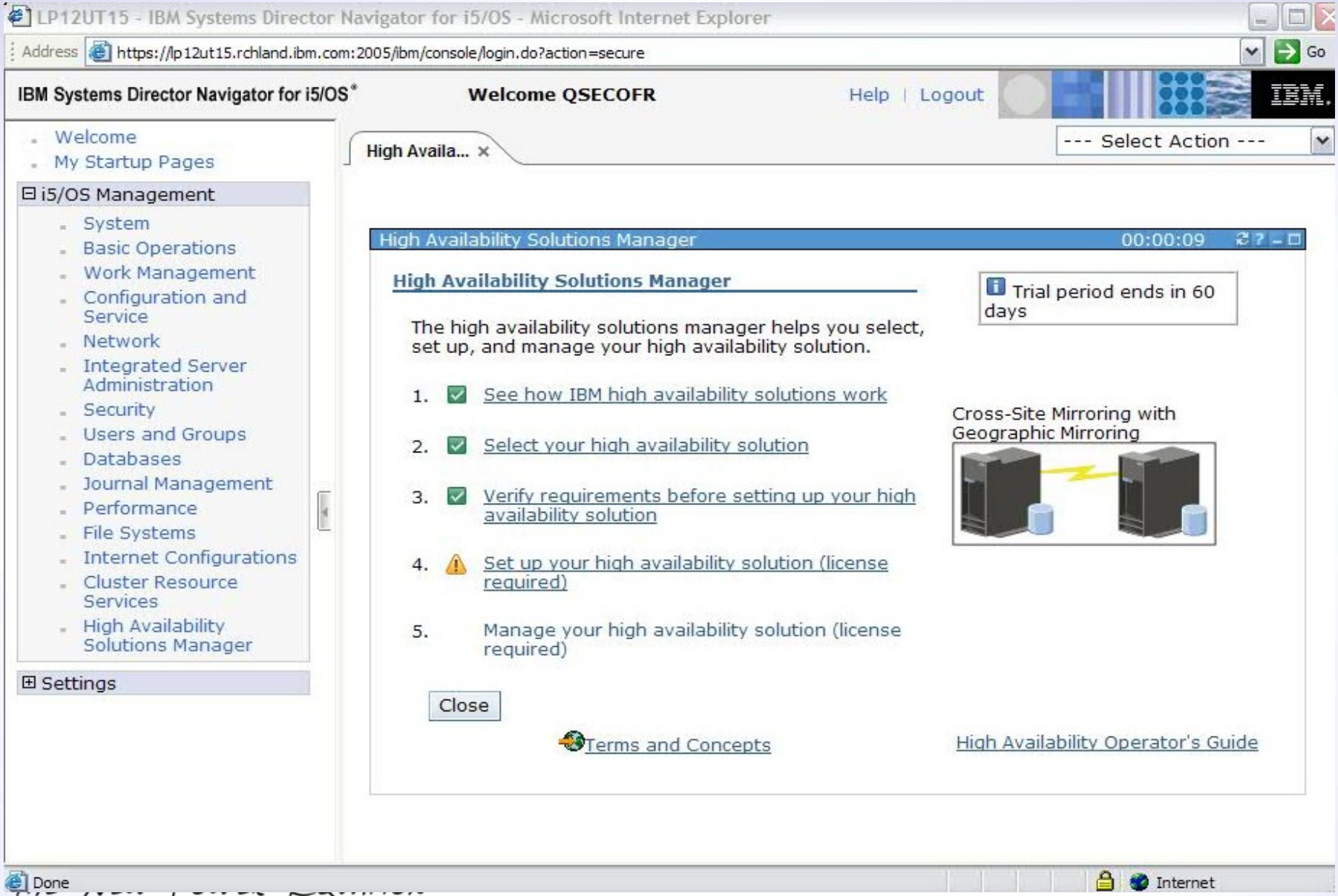
Welcome Pages – High Availability Solutions Manager



Additional Info – Cluster Resource Services – High Availability Solutions Manager

LPPS:

- 5761HAS *BASE iHASM

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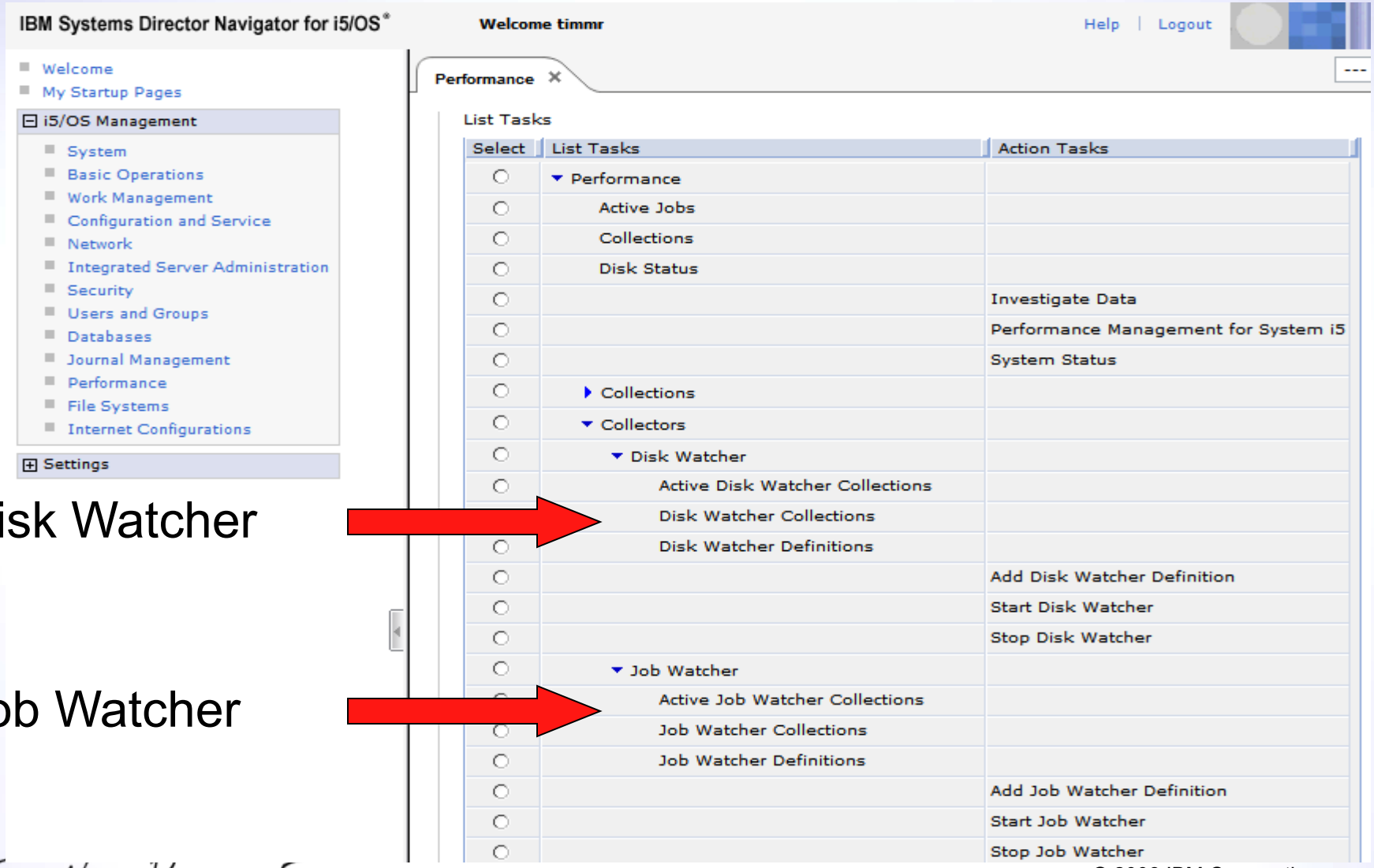
Welcome Pages - Performance



Disk Watcher

Job Watcher

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Additional Info – Performance

LPPS:

- 5761SS1 46 Performance Viewer Open Source Components
- 5761PT1 *BASE IBM Performance Tools for i5/OS
- 5761PT1 1 Performance Tools - Manager Feature
- 5761PT1 2 Performance Tools - Agent Feature
- 5761PT1 3 Performance Tools - Job Watcher

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What is ISC?

ISC – Integrated Solutions Console

- Provides the strategic ‘single console for administering IBM products and related applications ‘
- Used by
  - IBM Systems Director Web based products
    - Virtualization Manager
    - Active Energy Manager
    - Plus more
  - WebSphere Application Server Administrative GUI
- Limitations
  - 30 min session timeout!

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What is ISC - Features provided

- Portlet based infrastructure
  - Multi tasking; switch between *active* tasks
  - Partial refresh; refresh only the selected portlet
- Manage Open pages
- Startup pages
  - Specify pages to open every time you log in
- Single sign-on
  - Access all functions within the *portlet* view
  - A user can only sign in **once**

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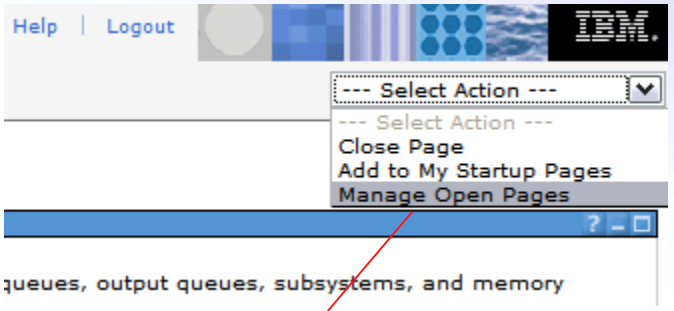
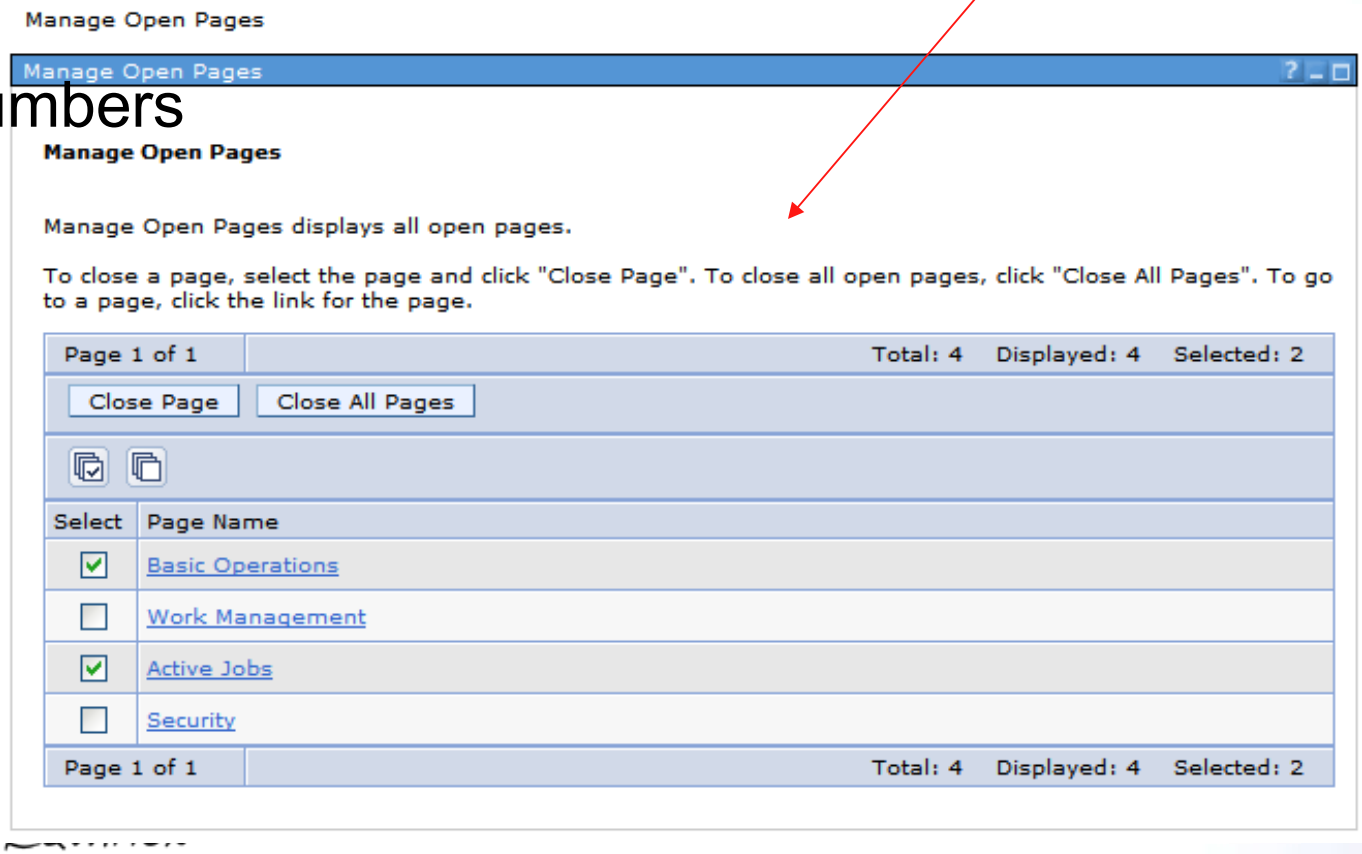
What is ISC - Manage Open Pages

From far right drop down select the **Manage Open Pages** link



Manage large numbers of open pages

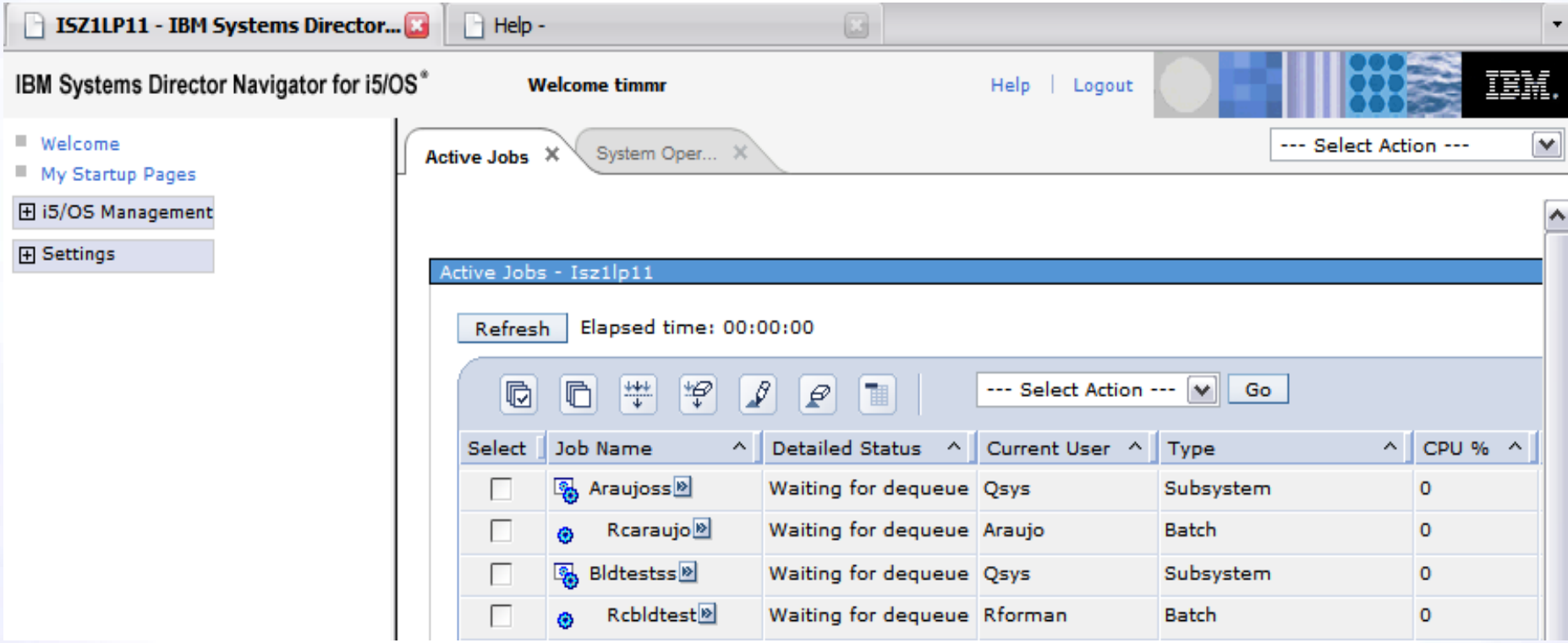
- View
- Close
- Navigate



What is ISC - My Startup pages

Sign-in and specified pages are automatically opened

Great for watching important System functions/activities



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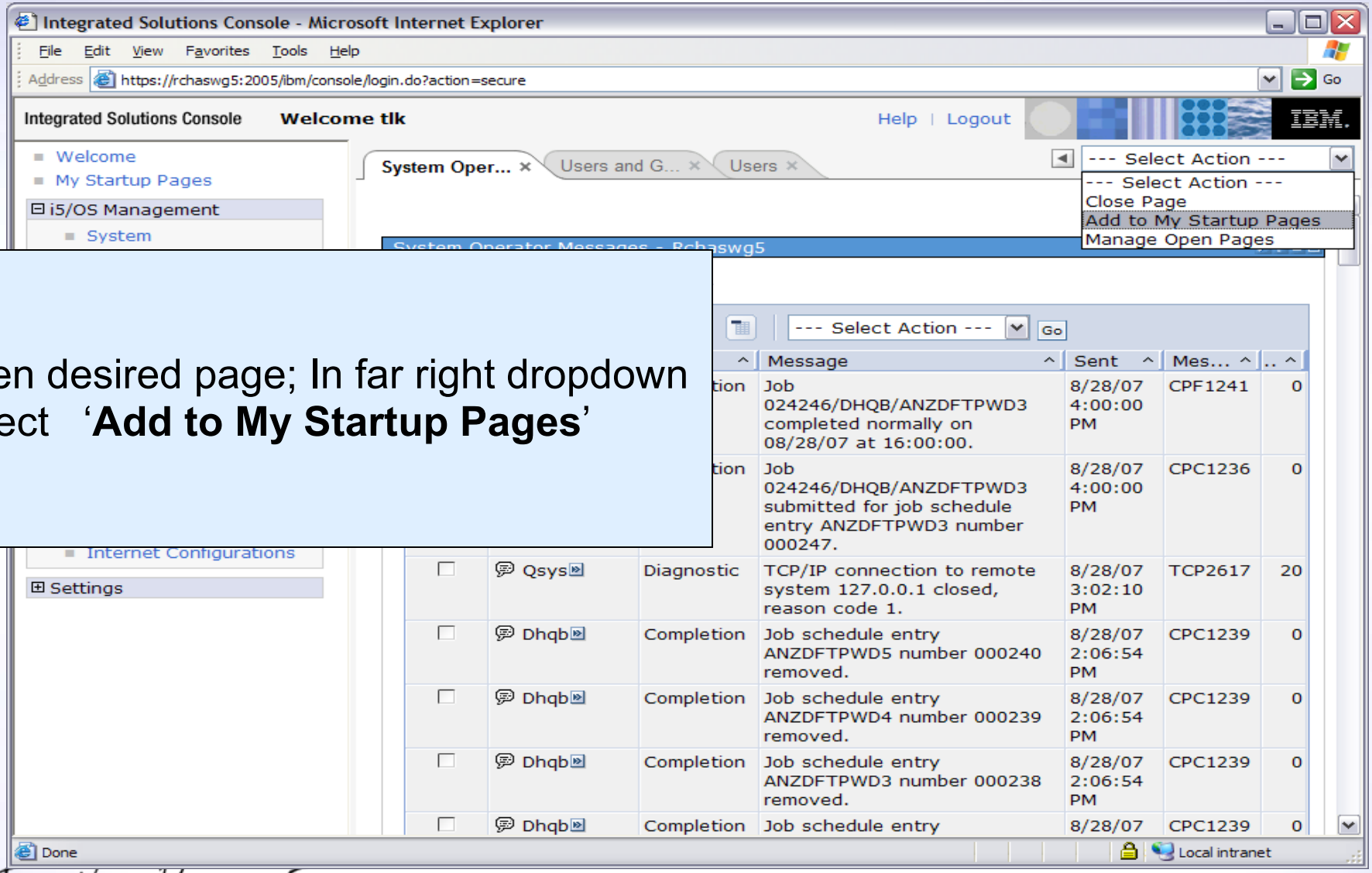
What is ISC - My Startup pages



Open desired page; In far right dropdown Select '**Add to My Startup Pages**'

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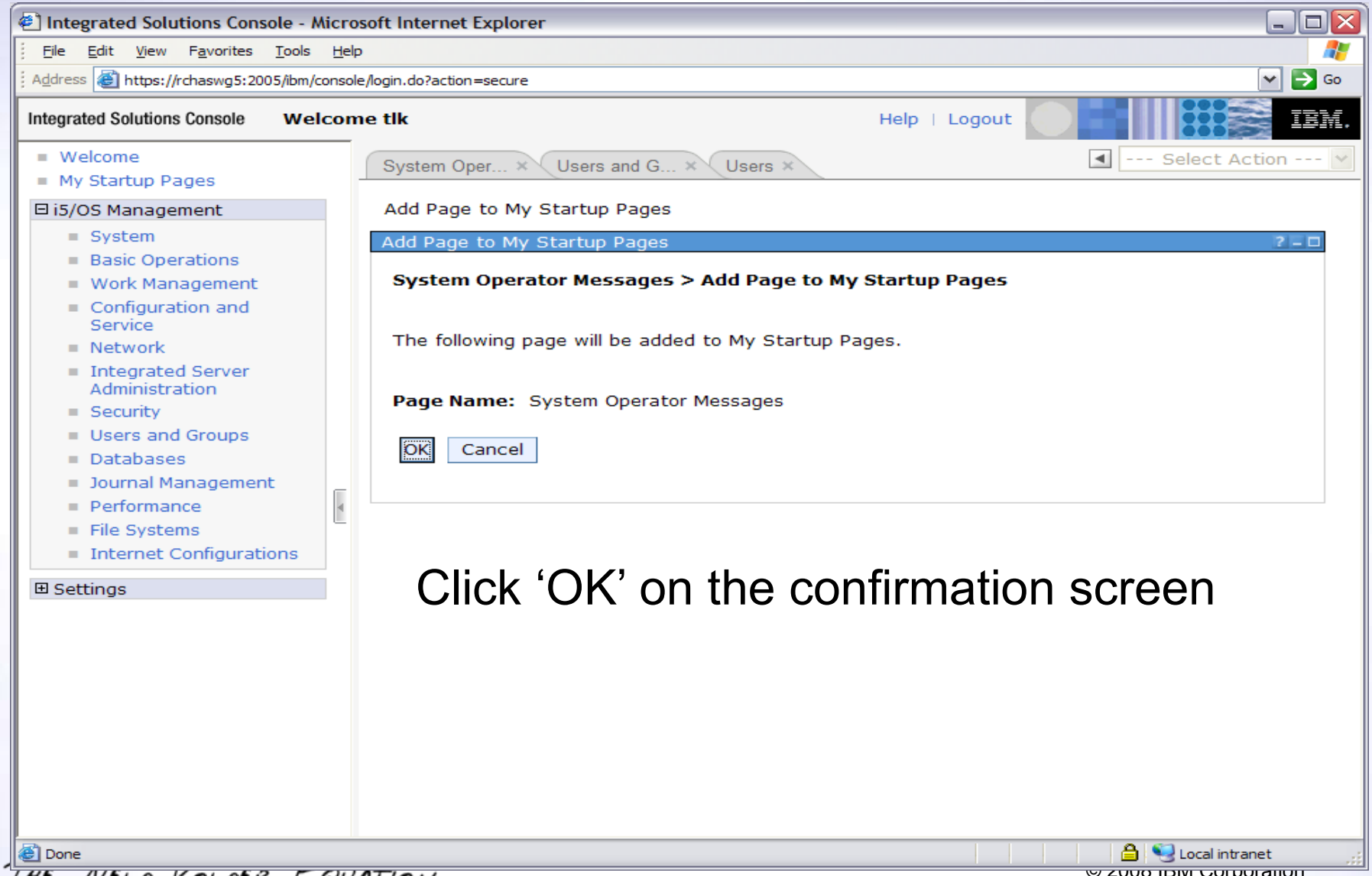
What is ISC - My Startup pages



Click 'OK' on the confirmation screen

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How does it compare to System i Navigator ?

- **IBM Systems Director Navigator for i requires nothing to be installed on your PC**
  - Is installed and available to use out-of-the-box in 6.1
- **In 6.1, IBM Systems Director Navigator for i is not a complete replacement for System i Navigator**
  - There is substantial function (over 300 web-enabled functions) that have been Web enabled as of 6.1
- **IBM Systems Director Navigator for i provides management function not available in System i Navigator**
  - Performance Data Investigator
  - High Availability Solutions Manager

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How does it compare to System i Navigator ?

- **IBM Systems Director Navigator for i is intended for management of only the server where you point your Web browser.**
  - Management Central capabilities are not included
  - Use IBM Systems Director cross-platform products for mutli system management
- **Both are built from same source code for consistent functionality. Panels look different when rendered on the Web Console**
- **Single user can only sign in to one Web Console either**
  - IBM Systems Director Navigator or System i Navigator URL Advisor
- **Both can have functions restricted**
  - Systems I Navigator don't install functions
  - Web Console restrict users from specific tasks

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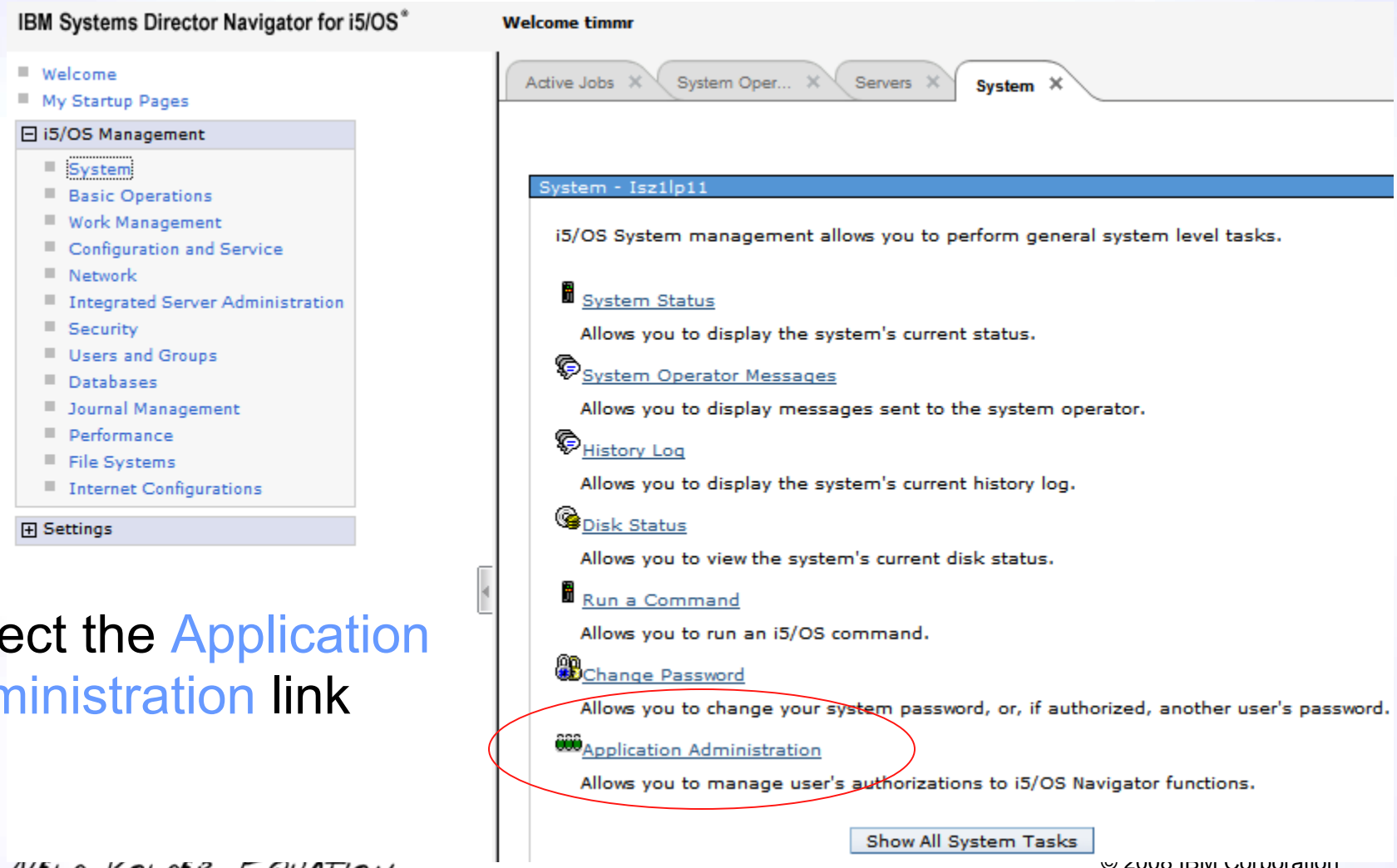
Customize functions/applications



Select the Application Administration link

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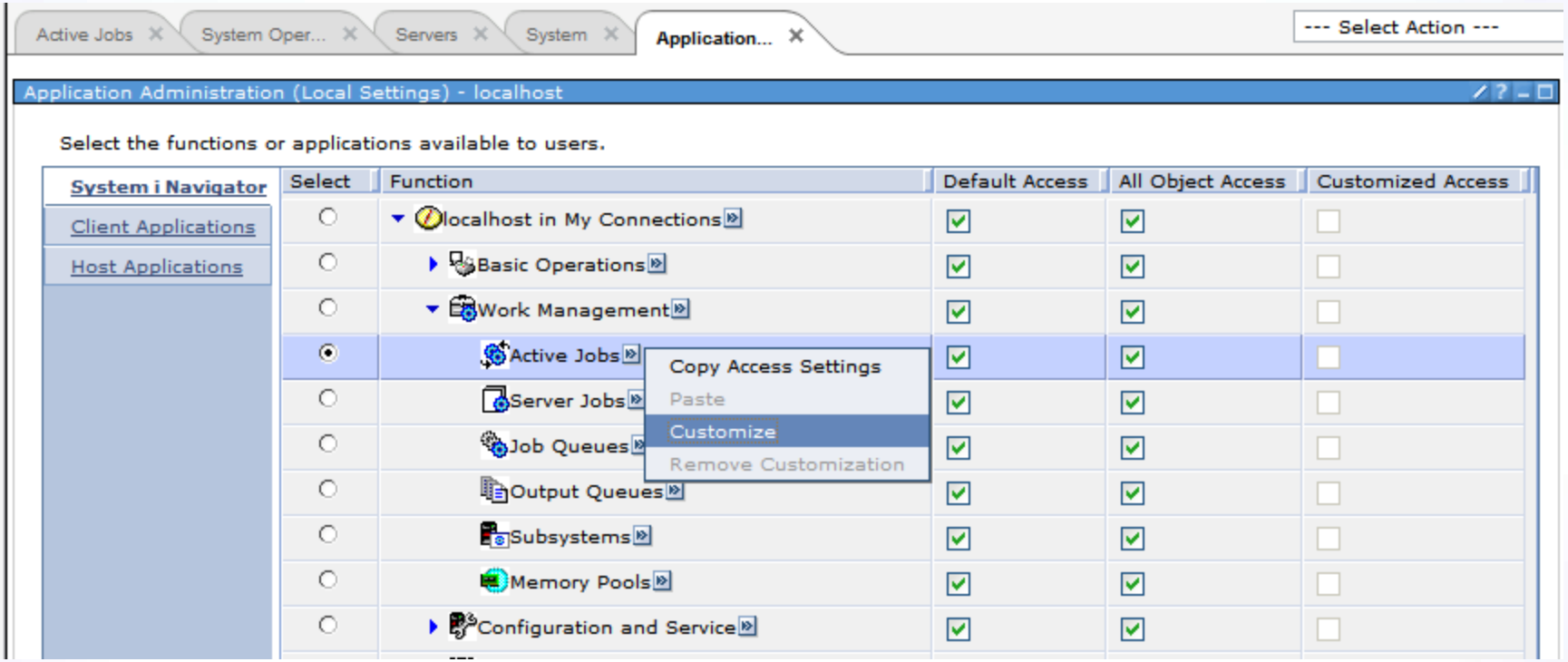
Customize functions/applications

-Open the tree node for the section

- Select the desired task



-Open the task menu

- Select Customize

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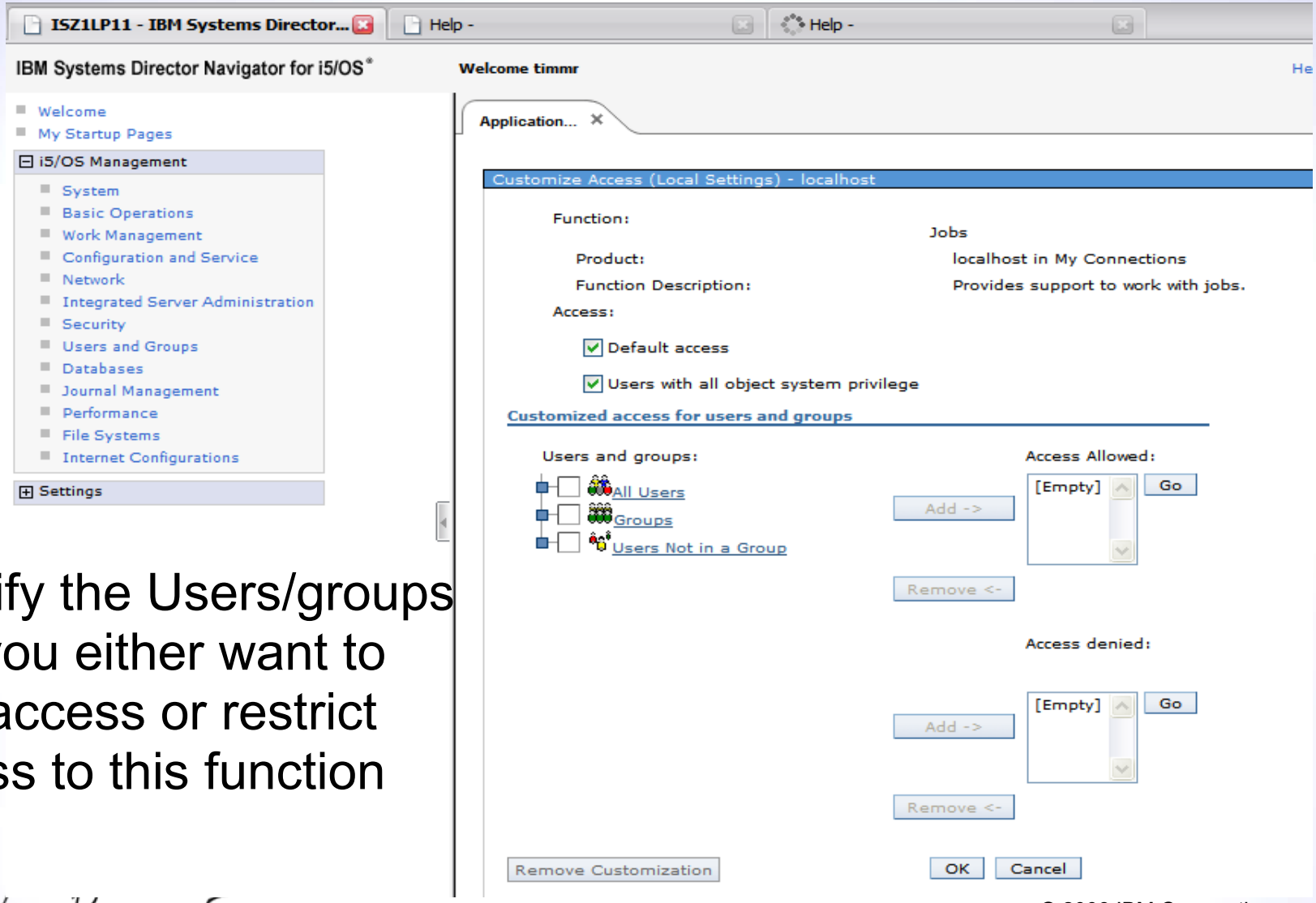
Customize functions/applications



Specify the Users/groups that you either want to give access or restrict access to this function

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Summary

- New Systems Management interface for IBM i
- More intuitive
- Easy to operate and maintain
- Available wherever a browser is able to connect to the system
- Part of IBM strategic “IBM Systems Director”

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Q & A

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