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System i Access for Web:
What an Administrator Needs to Know

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<http://www.ibm.com/systems/i/software/access/web/>

System i Access Sessions

Windows:

- System i Access for Windows: What's New?

Web:

- Get to the Web Fast with System i Access for Web V6R1 (Overview)
- Run 5250 Through a Browser with System i Access for Web
- Database Access with System i Access for Web
- System i Access for Web: Setup and Configuration
- System i Access for Web: What an Administrator Needs to Know

Functional enhancements can be submitted via the FITS system. The url is:
<http://www.ibm.com/systems/i/software/access/>

And click on link "Request for Design Change"

Agenda

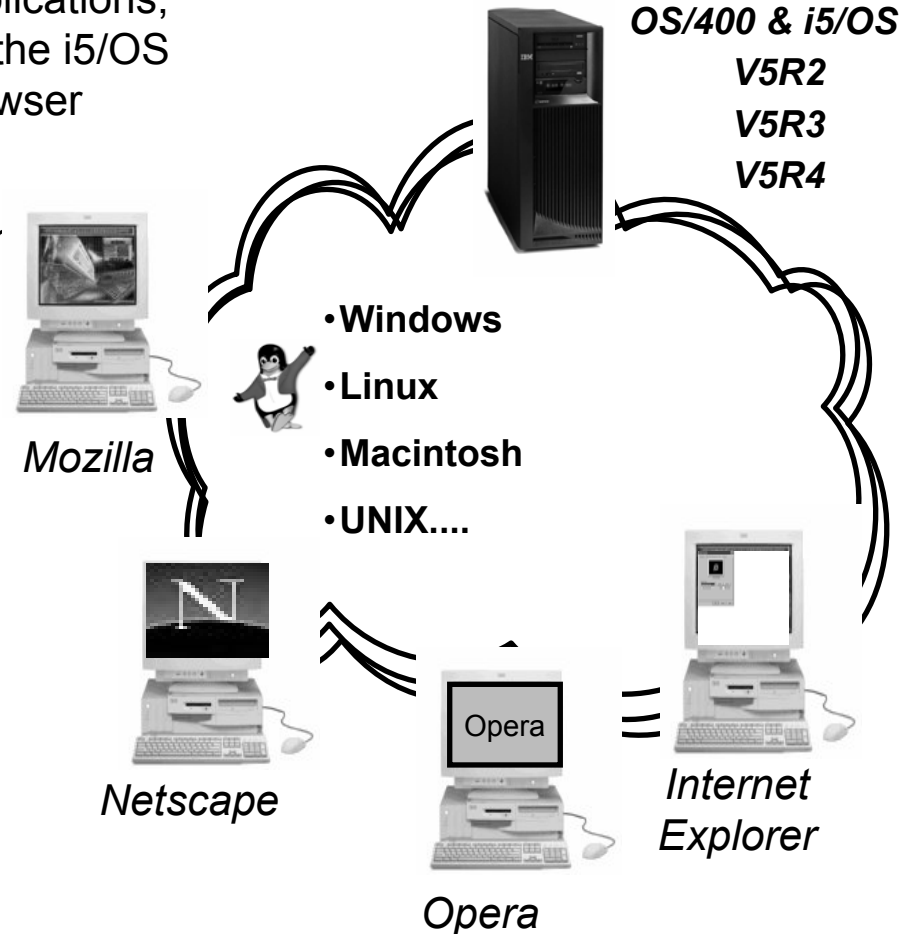
- Overview
- System i Access for Web Runtime Considerations
 - Use of policies
 - Customizing the home page/template files
- System i Access for Web Environment Security Considerations
 - SSL and VPN
 - Authentication security options
 - 5250 bypass signon notes

Overview

What is System i Access for Web?

End users can leverage business information, applications, and resources across an enterprise by extending the i5/OS resources to the client desktop through a web browser

- Provides access to i5/OS through a browser
 - 5250 access
 - Access to database, integrated file system, printers, output queues, jobs
 - Can run batch commands and send/receive messages
- It has the following advantages:
 - Is server based
 - Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop
 - Uses industry standard protocols - HTTP, HTTPS and HTML



Try out System i Access for Web for yourself!

Start your browser and connect to the following web site:

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome> (case sensitive)

<p>User ID = WACUST</p> <p>Password = demo2pwd</p>	<p>This shows the basic look of System i Access for Web as we ship it. You can try various functions -- including working with printer output, creating database requests, etc. Click on the 5250 tab, sign onto the iSeries, then start an RPG application called BOATS and run it.</p>
<p>User ID = BOATADMIN</p> <p>Password = demo2pwd</p>	<p>This is an example of how a customer might design a web page for their use. You will see that an end user could start the same BOATS application by clicking on the 5250 session, or they could have used HATS to run the application. You will also see other links that would let a user work with spoolfile information, work with IFS, run database requests, etc..</p>

Send email to: LLHIRSCH@us.ibm.com to reset the user profiles on iseriesd.dfw.ibm.com if either one gets disabled.

System i Access for Web Runtime Considerations

Controlling Access

3 methods to control access using System i Access for Web

- **Administration Policies**

- Administrators can use the Customize function to set policies for users and groups of users.

- **User Preferences**

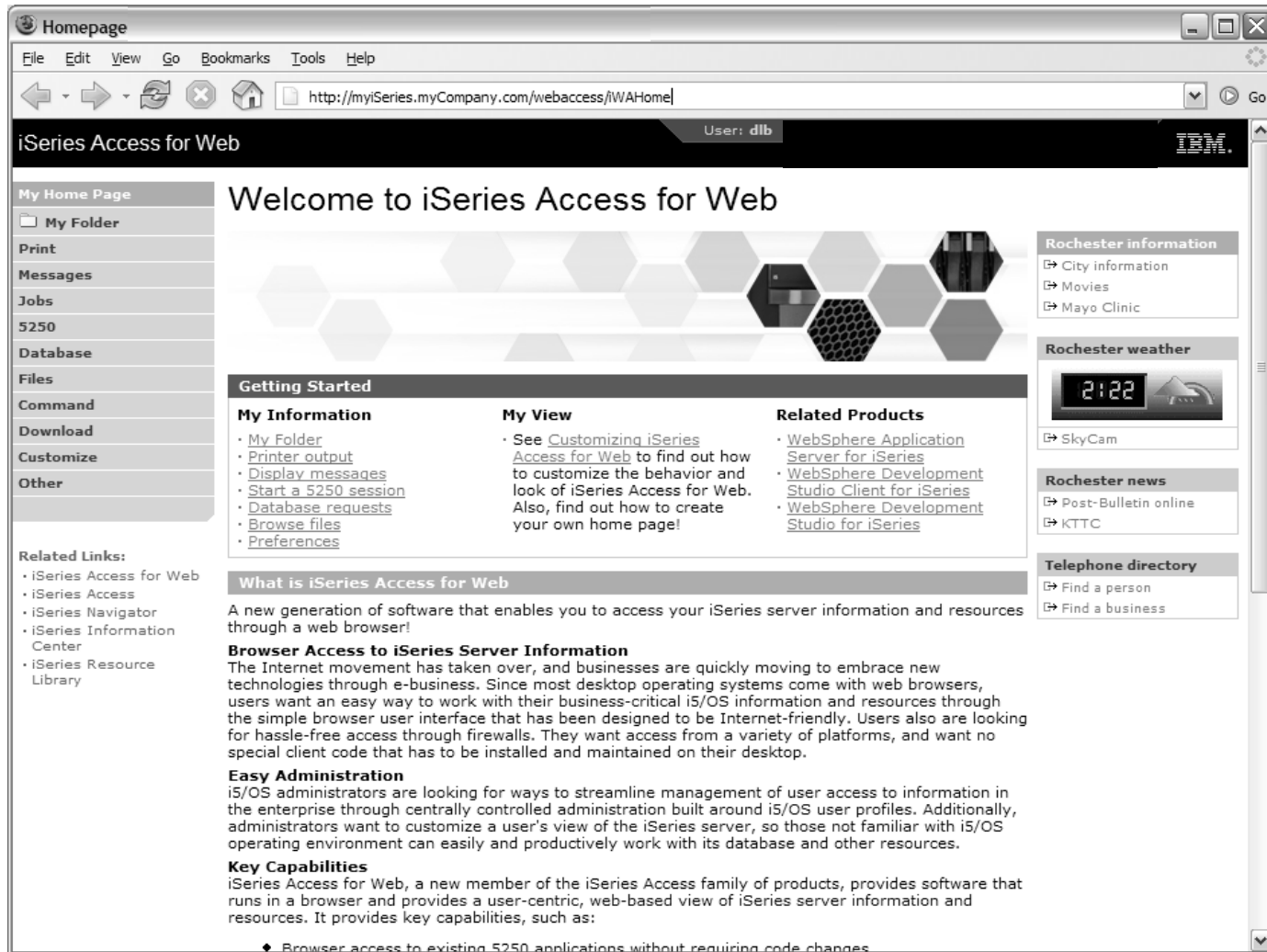
- Users can set their own Preferences for things like
 - What tabs are available in the navigation bar
 - How to view output (default rows/columns per page)
 - How to filter output

- **Customize the Home page and template files**

- Administrators can use the Customize function to replace the default System i Access for Web home page with their own home page.
- Administrators can use the Customize function to replace the default template that defines the layout, look, and feel of System i Access for Web pages
- Style sheets - The look of the System i Access for Web page content is now controlled by external style sheets.

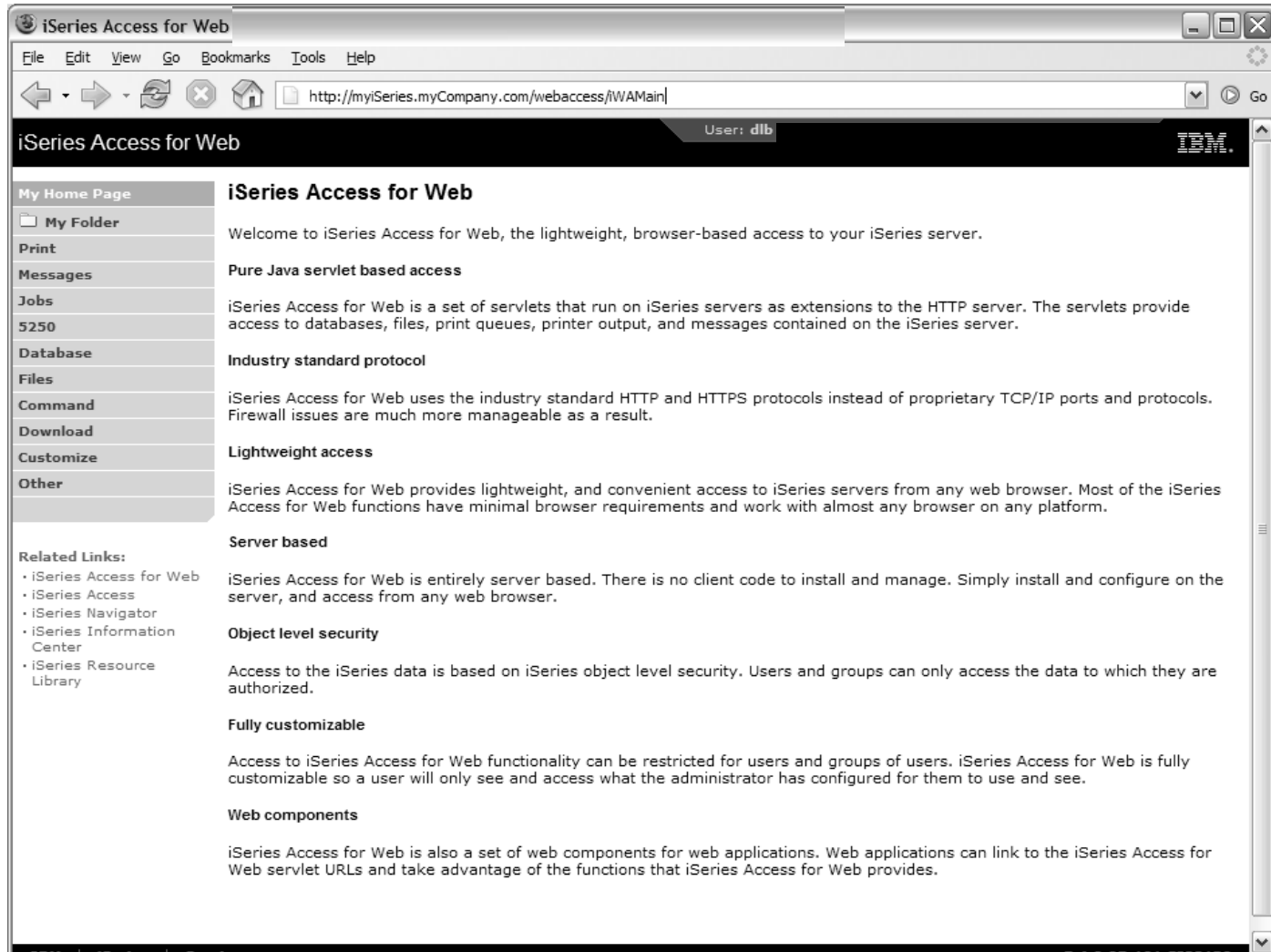
Controlling access

Home Page = *http://<myiseries>:<port>/webaccess/iWAHome*



Controlling access

Main Page = `http://<myiseries>:<port>/webaccess/iWAMain`



Controlling access

Product functionality



iSeries Access for Web Database

File Edit View Go Bookmarks Tools Help

http://myiSeries.myCompany.com/webaccess/iWAMain?tab=database

User: dlb

iSeries Access for Web

Database

Access database tables on your iSeries server with iSeries Access for Web.

Tables

- ◆ View a list of database tables on your iSeries server.
- ◆ Perform actions on these tables without having knowledge of SQL and its syntax.
- ◆ View the contents of a table in a paged list, using the Quick view action.
- ◆ Add and update records in a table using the Insert and Update actions.
- ◆ Create your own customized SQL request for a table using the Run SQL action.
- ◆ Create your own customized copy data request for a table using the Copy data to table action.

My requests

- ◆ View a list of previously saved requests.
- ◆ Run or Edit requests from this list.
- ◆ Manage lists using the Copy, Delete, and Rename actions
- ◆ Create and manage shortcuts to requests

Run SQL

- ◆ Run SQL statements dynamically.
- ◆ View output as a paged list or in a popular file format, like Microsoft Excel or Lotus 1-2-3. (Output format depends on how you have your browser configured and whether the browser can locate a plug-in for the output type you choose.)
- ◆ Customize how data is returned by setting options specific to the output type.
- ◆ Build SELECT statements using an SQL Wizard.
- ◆ Save requests for repeated use.

Copy data to table

- ◆ Copy existing data files from your PC to a database table on your iSeries server.
- ◆ These data files can be in many popular file formats, including Microsoft Excel and Lotus 1-2-3.
- ◆ Replace the contents of a table or add data to an existing table.
- ◆ Create a new database table based on the contents of a workstation file.
- ◆ Save requests for repeated use.

Import request

- ◆ Import Client Access Data Transfer upload and download requests into iSeries Access for Web copy data and SQL requests.
- ◆ Imported requests are automatically converted to iSeries Access for Web format.
- ◆ Run and edit converted requests on your iSeries server just like other copy data and SQL requests.

Import query

- ◆ Import queries generated by Query for iSeries and DB2 UDB for iSeries Query Manager.
- ◆ Imported queries can be saved into iSeries Access for Web database requests.
- ◆ Run and edit converted queries on your iSeries server just like iSeries Access for Web SQL requests.

Extract server data

My Home Page

My Folder

Print

Messages

Jobs

5250

Database

- Tables
- My requests
- Run SQL
- Copy data to table
- Import request
- Import query
- Extract server data

Files

Command

Download

Customize

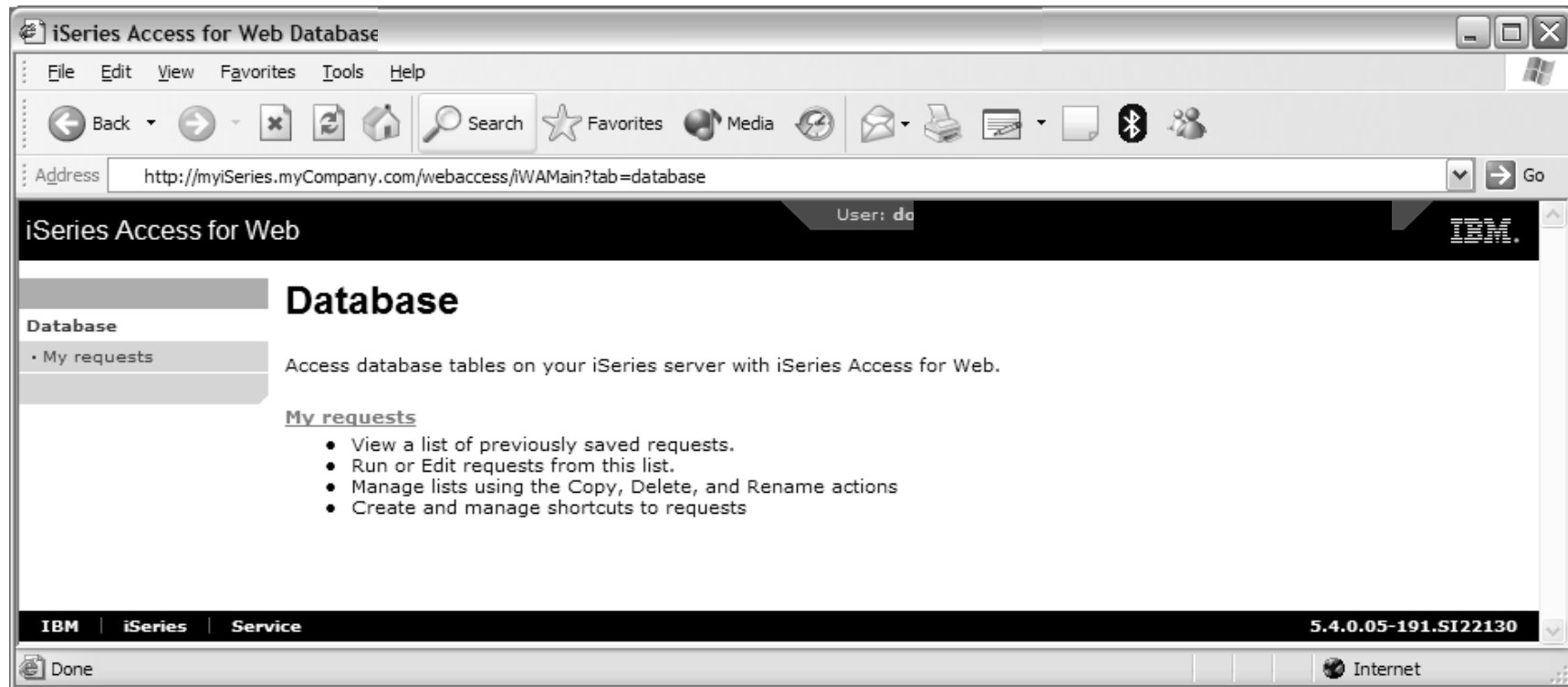
Other

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

Controlling access

Sample for a user that only performs preset database queries



The screenshot shows a web browser window titled "iSeries Access for Web Database". The address bar contains the URL "http://myiSeries.myCompany.com/webaccess/iWAMain?tab=database". The page content includes a navigation menu with "Database" and "My requests". A large black arrow points to the "Database" menu item. The main content area displays the heading "Database" and the text "Access database tables on your iSeries server with iSeries Access for Web." Below this, there is a section titled "My requests" with a bulleted list of actions: "View a list of previously saved requests.", "Run or Edit requests from this list.", "Manage lists using the Copy, Delete, and Rename actions", and "Create and manage shortcuts to requests". The footer of the page shows "IBM | iSeries | Service" and the version number "5.4.0.05-191.SI22130".

iSeries Access for Web Database

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address http://myiSeries.myCompany.com/webaccess/iWAMain?tab=database Go

iSeries Access for Web User: do IBM

Database

Database

- My requests

Access database tables on your iSeries server with iSeries Access for Web.

My requests

- View a list of previously saved requests.
- Run or Edit requests from this list.
- Manage lists using the Copy, Delete, and Rename actions
- Create and manage shortcuts to requests

IBM | iSeries | Service 5.4.0.05-191.SI22130

Done Internet

***Controlling Access:
Setting policies for users and groups of users***

Controlling User Access

My Home Page
+ My Folder
Print
Messages
Jobs
5250
Database
Files
Command
Download
Customize
Other

- Customize policies for users and groups to
 - Allow/Deny functions users can access
 - Limit the information users can see
- Use group profiles to simplify policy management
 - Manage policies for group profiles
 - Add/remove users from groups
- When a function is restricted, access to the servlet is restricted
- You need *SECADM authority to customize profiles

Notes: Controlling Access - How & Whom?

- The Customize function allows administrators to set policies for users and groups of users.
- These policies control...
 - Functions a user can perform.
 - How certain information is presented to the user.
- When a function is restricted...
 - Its navigation bar content is removed.
 - Access to the servlet is restricted.
 - It takes effect immediately.
- Administrators with *SECADM special authority are automatically authorized to administer settings for users and groups of users to which they have authority.
- These administrators can then grant other user profiles permission to administer System i Access for Web functions.

Controlling User Access

- System i Access for Web ships with default policy settings
- Default allows most functions to be available to all users
- Use *PUBLIC to set policies for all users
- Strategy:
 - Grant an administrator profile access to all functions
 - Deny access to all functions to *PUBLIC
 - Then allow specific users/groups access to specific functions

iSeries Access for Web User: cmminer System: RCHLAND.IBM.COM

Policies
Profile: *PUBLIC

Action	Category	Description	Access
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed
	My Folder	My Folder custom settings.	Allowed
	Print	Printer output, printers, printer shares and output queue custom settings.	Allowed
	Sametime	Lotus Sametime custom settings.	Allowed
	Other	Change password and other miscellaneous custom settings.	Allowed

[View all policies](#)

View of the Policies page

Notes: Controlling Access - Strategies

- System i Access for Web ships with a set of default policy settings. The default policy settings allow most of the System i Access for Web functions to be available for all users. Without any customization, users accessing System i Access for Web could begin using most of the available functions.
- As an administrator of this product, you may not want your users to be able to access all of these functions. It is the responsibility of an administrator to restrict functions they do not want their users to be able to access.
- One of the quickest strategies that can be deployed to restrict a function from all users is to use the Customize Group Profiles function and customize the *PUBLIC group profile.
- This group profile is defined such that every user is a member of this group. So, for example, if you were to customize the *PUBLIC profile and set the "Browse files" and "File shares" file functions to "Deny", you would restrict file system access from this product for all users.
- If some of your users required access to this function, you could specifically customize their user profiles and set this function back to "Allow". In this way, only users that have been specifically allowed access will be able to use that function, all others would not have access.
- It should be noted that the *PUBLIC group profile includes the administrator user ID that is used to customize other group and user profiles. If you were to deny functions for *PUBLIC, this would affect the administrator user profile. As you customize System i Access for Web for *PUBLIC, you may want to consider specifically allowing your administrator user profile to have access so that it is not locked out of System i Access for Web functions.

Controlling Access - Setting policies (continued)

Policies

Specify the profile you want to edit.

Profile: **Browse...**

Edit Policies

[User profiles](#)
Work with the user profiles you are authorized to customize.

[Group profiles](#)
Work with the group profiles you are authorized to customize.

[Import policies](#)
Import policies from a file into iSeries Access for Web.

[Export policies](#)
Export policies from iSeries Access for Web to a file.

[Policies help](#)
View help for working with policies.

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

IBM | iSeries | Service 5.4.0.05-191.SI22130

Controlling Access - Setting policies (continued)

Policies - User Profiles

Profile filter: ? [Filter List](#)

Filter by: Profile Description

Navigation: [1] 2 3 4 5 6 7 8 9 10 >>> <<<

Profile	Description	Action ?
ACBARRON	Alma Carolina Barron Perez - GDL T/L 877-5656	[Edit] [View] [Refresh]
ACN	Ali Nelson 3-6874	[Edit] [View] [Refresh]
ADSIERRA	Alma Delia Sierra/Mexico/Contr/IBM@IBMMX	[Edit] [View] [Refresh] [Copy] [Print]
AGUEDA	Agueda Martinez Hernandez Magro/Mexico/IBM@IBMMX	[Edit] [View] [Refresh]
AHANSON	Andrew Hanson 3-5571	[Edit] [View] [Refresh]
AHOMIKE	Mike Aho/Rochester/IBM@IBMUS	[Edit] [View] [Refresh]
ALEJ	Alejandro Bascuas/Rochester/IBM@IBMUS	[Edit] [View] [Refresh]
ALICIAM	Alicia Martinez Cruz/Mexico/Contr/IBM@IBMMX	[Edit] [View] [Refresh] [Copy] [Print]
ALITEST		[Edit] [View] [Refresh]
ANDREWS	Greg Andrews/Rochester/IBM@IBMUS	[Edit] [View] [Refresh]
ANTARES	Elias Ricardo Castellanos/Mexico/Contr/IBM@IBMMX	[Edit] [View] [Refresh]
ARABIC	Gilberto Martinez Cortes/Mexico/Contr/IBM@IBMMX	[Edit] [View] [Refresh]
ATCLARK	Adam Clark, 3-3941	[Edit] [View] [Refresh]
ATOMKO	Ana Tomko Sanchez/Mexico/Contr/IBM@IBMMX	[Edit] [View] [Refresh]
BAZEY	John Bazey (3-7108)	[Edit] [View] [Refresh]
BEACH	Mark Beach/Rochester/IBM@IBMUS	[Edit] [View] [Refresh]
BECKYD	Rebecca K Dimock/Boulder/IBM@IBMUS	[Edit] [View] [Refresh]

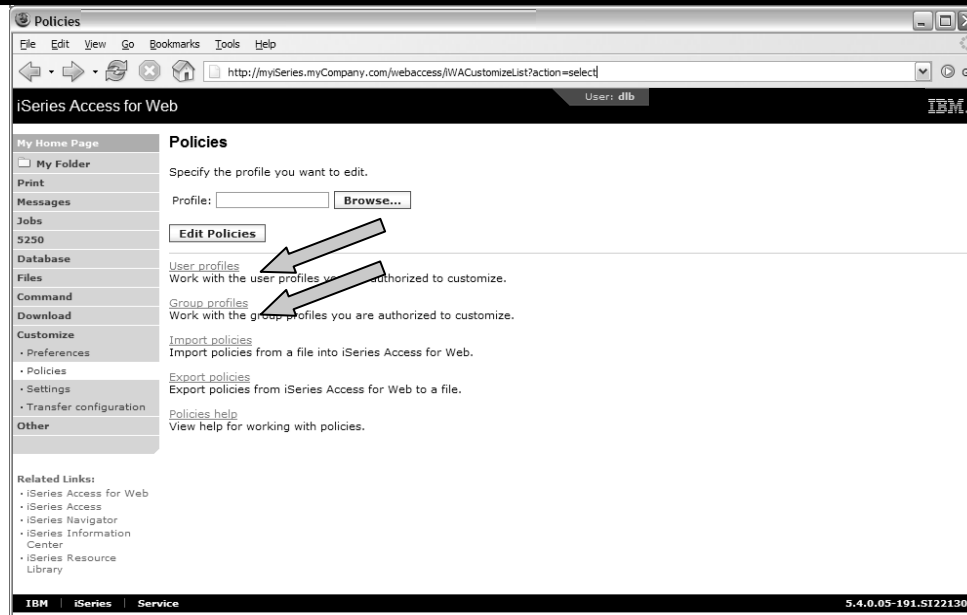
Actions:

- Edit policies
- View all policies
- View group members
- Copy policies
- Reset policies

Controlling Access - Setting policies

Administrator actions on user & group profiles

Action	Description
Edit	This action is always available. Use this option to create or modify policy settings for the specified user or group profile.
View all policies	Select this action to view all of the policy settings currently being used for the profile.
View group membership	Select this action to display the Group Membership page that lists the group and supplemental group profiles (by name) the user profile has been assigned membership.
View group members	Select this action to display the Group Membership page that lists the user profiles (by name) that are currently members of the group profile.
Copy	This action is only available when the user or group profile currently has specific policy settings. It allows you to copy all of the policy settings from this profile to one or more other profiles.
Reset	This action is only available when the user or group profile currently has policy settings. It allows you to remove all of the policy settings specific to this profile.



Controlling Access - Setting policies (continued)

Edit Policies - Database

Profile: DLB

Policy	Derived From	Action	Setting
Database access	Shipped default	Use current setting	Allow
Database tab	Shipped default	Use current setting	Show
Tables	Shipped default	Use current setting	Allow
Maximum table rows	Shipped default	Use current setting	500
Table filter	Shipped default	Use current setting	*USRLIBL
Table filter is user preference	Shipped default	Use current setting	Allow
Insert records into table	Shipped default	Use current setting	Allow
Insert record columns	Shipped default	Use current setting	Columns...
Update records in table	Shipped default	Use current setting	Allow
Update record columns	Shipped default	Use current setting	Columns...
Quick view table records	Shipped default	Use current setting	Allow
Maximum quick view rows	Shipped default	Use current setting	1000
Order	Shipped default	Use current setting	No

Controlling Access - Setting policies (continued)

Administrator Action on each policy setting

Action	Description
Use current setting	This is the default action that is pre-selected. If the setting is not modified, no action is performed. If the setting is modified, it will be added to the user or group profile record in the System i Access for Web policies file.
Apply setting to profile	Select this action to add the current setting to the user or group profile record in the System i Access for Web policies file. The setting will be written to the user or group profile record, even if it was not modified. You would use this action to ensure the user or group profile gets this setting. This is because a different policy setting may be used based on the user profile being a member of one or more i5/OS group profiles.
Reset to default	Select this action to remove the setting from the user or group profile record in the System i Access for Web policies file. This option is only available if the user or group profile record currently contains a specific setting for this policy.

Controlling Access - Setting policies (continued)

The "Derived From" column (displayed when editing policy and preference settings) indicates where the policy setting that will be used for this user profile was found.

Action	Description
Profile setting	Indicates the setting is currently specific to the profile being customized. The setting had previously been applied to this profile.
Group – (groupName)	Indicates the setting is not specific to the profile being customized, but is being derived from the specified i5/OS group profile and the user is a member of this group.
*PUBLIC setting	Indicates the setting is not specific to the profile being customized. No setting was found in any i5/OS group profile memberships. The setting is being derived from the *PUBLIC group settings. This is a special group profile available to System i Access for Web administrators. All user profiles are automatically members of this special group profile. Administrators can modify this group profile to easily apply settings to all System i Access for Web users.
Shipped default	Indicates the setting is not specific to the profile being customized, no setting was found in any i5/OS group profile memberships, or the special *PUBLIC group profile. The setting is being derived from a shipped default value.
Parent policy	Indicates the function is a sub-function of a higher level category, and its policy setting is being controlled by a top level policy setting. For example, Tables is a sub-function of Database. If Database is restricted, Tables will be restricted as well and would show its being controlled by a parent policy.

Example: Simple Database User

- The following screen shots step through setting the policies so a specific user only has the ability to run preconfigured database queries to generate reports.
- This example shows
 - the “Before” picture of what DB functions a user can perform with no customization of System i Access for Web
 - the specific database policies to set to restrict our user named REPORT_MAN
 - what general policies need to be set to restrict use of non-DB related functions by REPORT_MAN
 - The “After” picture of what REPORT_MAN can do
- When the policy is set, it takes effect immediately.

Example: Simple Database User - Before

Accessing the Database tab of System i Access for Web as user REPORT_MAN

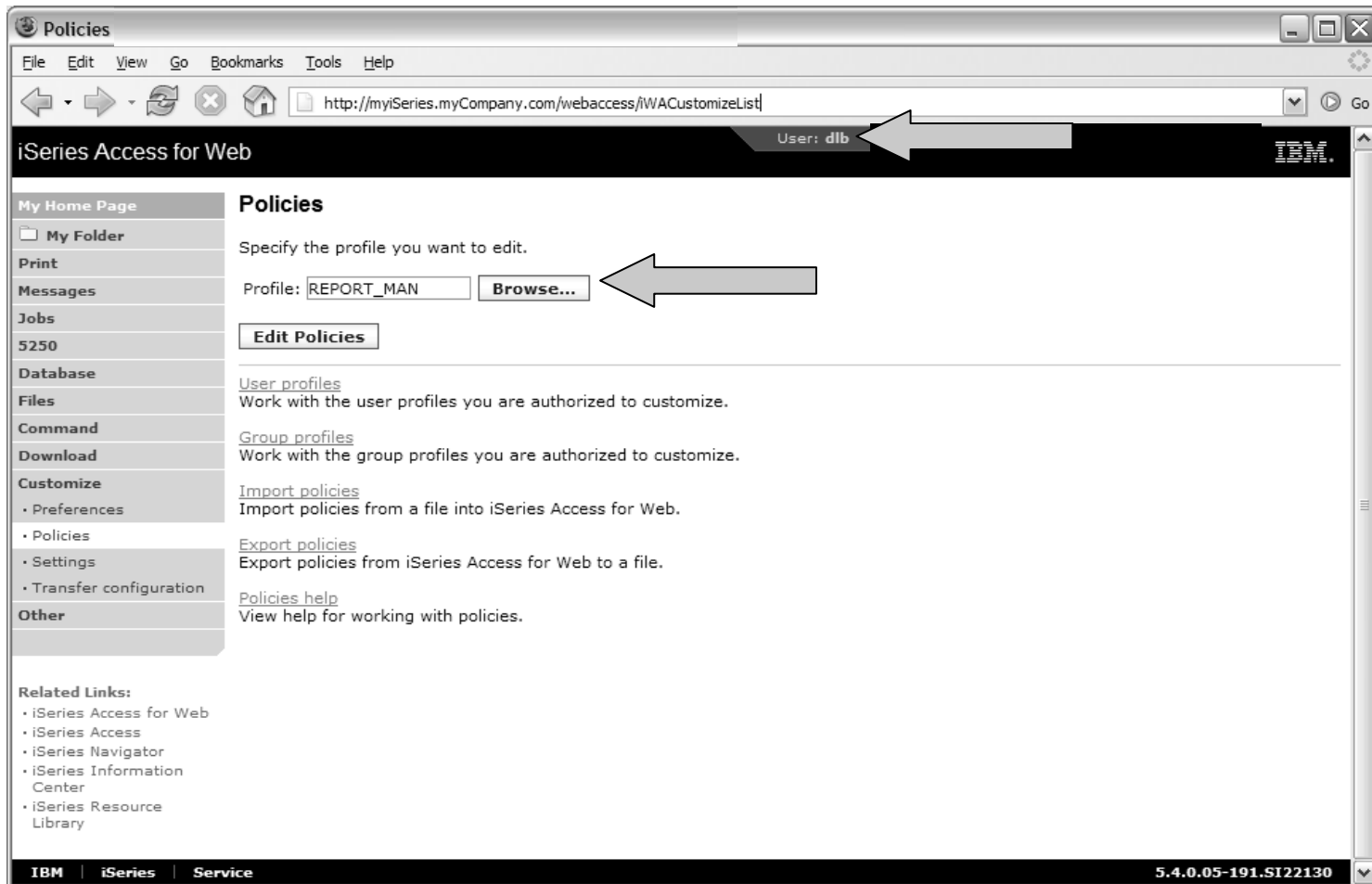
The screenshot shows a web browser window titled "iSeries Access for Web Database". The address bar contains the URL "http://myiSeries.myCompany.com/webaccess/iWAMain?tab=database". The user is identified as "report_man". The main content area is titled "Database" and includes the following sections:

- Tables**
 - View a list of database tables on your iSeries server.
 - Perform actions on these tables without having knowledge of SQL and its syntax.
 - View the contents of a table in a paged list, using the Quick view action.
 - Add and update records in a table using the Insert and Update actions.
 - Create your own customized SQL request for a table using the Run SQL action.
 - Create your own customized copy data request for a table using the Copy data to table action.
- My requests**
 - View a list of previously saved requests.
 - Run or Edit requests from this list.
 - Manage lists using the Copy, Delete, and Rename actions
 - Create and manage shortcuts to requests
- Run SQL**
 - Run SQL statements dynamically.
 - View output as a paged list or in a popular file format, like Microsoft Excel or Lotus 1-2-3. (Output format depends on how you have your browser configured and whether the browser can locate a plug-in for the output type you choose.)
 - Customize how data is returned by setting options specific to the output type.
 - Build SELECT statements using an SQL Wizard.
 - Save requests for repeated use.
- Copy data to table**

The left sidebar contains a navigation menu with the following items: My Home Page, My Folder, Print, Messages, Jobs, 5250, Database (with sub-items: Tables, My requests, Run SQL, Copy data to table, Import request, Import query, Extract server data), Files, Command, Download, Customize, and Other.

Example: Simple Database User - Policies

- Policies - the starting point for customization of a specific user or group.
- This is a new browser session, where we signed on as an administrator.



Example: Simple Database User - Categories

- Determine which categories need to be restricted/modified.

Policies
Profile: REPORT

Action	Category	Description	Access ?
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed
	My Folder	My Folder custom settings.	Allowed
	Print	Printer output, printers, printer shares and output queue custom settings.	Allowed
	Sametime	Lotus Sametime custom settings.	Allowed
	Other	Change password and other miscellaneous custom settings.	Allowed

[View all policies](#)
View current policy settings for all categories.

[View group membership](#)
View current group membership for this user profile.

[Policies help](#)

Example: Simple Database User – Other

- Turn off the other non-Database functions. Set top level to Deny.
- Repeat for each category, other than Database

Policy	Derived From	Action	Setting
5250 access	Shipped default	Use current setting	Allow
5250 tab	Shipped default	Use current setting	Deny
Start non-configured sessions	Shipped default	Use current setting	Allow
Prompt when starting non-configured sessions	Shipped default	Use current setting	Yes
Show server name in title	Shipped default	Use current setting	Yes
Show configured session name in title	Shipped default	Use current setting	No
Maximum active sessions	Shipped default	Use current setting	No maximum
Inactive session timeout	Shipped default	Use current setting	24 hours
Active sessions list columns	Shipped default	Use current setting	Columns...
Configured session to use for defaults	Shipped default	Use current setting	User defaults
Save settings as user defaults	Shipped default	Use current setting	Allow
Load settings from user defaults	Shipped default	Use current setting	Allow
Load settings from shipped defaults	Shipped default	Use current setting	Allow
Switch between Web/Traditional views	Shipped default	Use current setting	Allow
Edit active session settings	Shipped default	Use current setting	Allow
Bypass signon	Shipped default	Use current setting	Allow

Example: Simple Database User

- Allow access to Database function.
- Set Tables policy to Deny.

Edit Policies - Database

Profile: **REPORT_MAN**

Policy	Derived From	Action	Setting
Database access	Shipped default	Use current setting	Allow
Database tab	Shipped default	Use current setting	Show
Tables	Profile setting	Use current setting	Allow Deny
Maximum table rows	Shipped default	Use current setting	Allow
Table filter	Shipped default	Use current setting	*USRLIBL
Table filter is user preference	Shipped default	Use current setting	Allow
Insert records into table	Shipped default	Use current setting	Allow
Insert record columns	Shipped default	Use current setting	Columns...
Update records in table	Shipped default	Use current setting	Allow
Update record columns	Shipped default	Use current setting	Columns...
Quick view table records	Shipped default	Use current setting	Allow
Maximum quick view rows	Shipped default	Use current setting	1000
Order	Shipped default	Use current setting	No

Example: Simple Database User

- Only allow the user the ability to run a saved DB request (Run request)

The screenshot shows a web browser window titled "Edit Policies - Database" with a menu bar (File, Edit, View, Go, Bookmarks, Tools, Help) and a URL bar containing "http://myiSeries.myCompany.com/webaccess/iWACustomizeDatabase?profile=REPORT_MAN". The main content is a table with columns for request types, shipped defaults, current settings, and permissions. A grey arrow points to the "Allow" dropdown in the "Run request" row.

Requests	Shipped default	Use current setting	Allow	?
Run request	Shipped default	Use current setting	Allow	?
Copy request	Shipped default	Use current setting	Deny	?
Delete request	Shipped default	Use current setting	Deny	?
Rename request	Shipped default	Use current setting	Deny	?
Edit request	Shipped default	Use current setting	Deny	?
Save request	Shipped default	Use current setting	Deny	?
List request shortcuts	Shipped default	Use current setting	Deny	?
Create request shortcut	Shipped default	Use current setting	Deny	?
Copy request shortcut	Shipped default	Use current setting	Deny	?
Delete request shortcut	Shipped default	Use current setting	Deny	?
Rename request shortcut	Shipped default	Use current setting	Deny	?
Request list columns	Shipped default	Use current setting	Columns...	?
Run SQL requests	Shipped default	Use current setting	Deny	?
Run statements other than query	Shipped default	Use current setting	Deny	?
Copy data to table	Shipped default	Use current setting	Deny	?
Create new tables	Shipped default	Use current setting	Allow	?

Example: Simple Database User

- Turn off the ability to perform the remaining database functions
- Save the changes

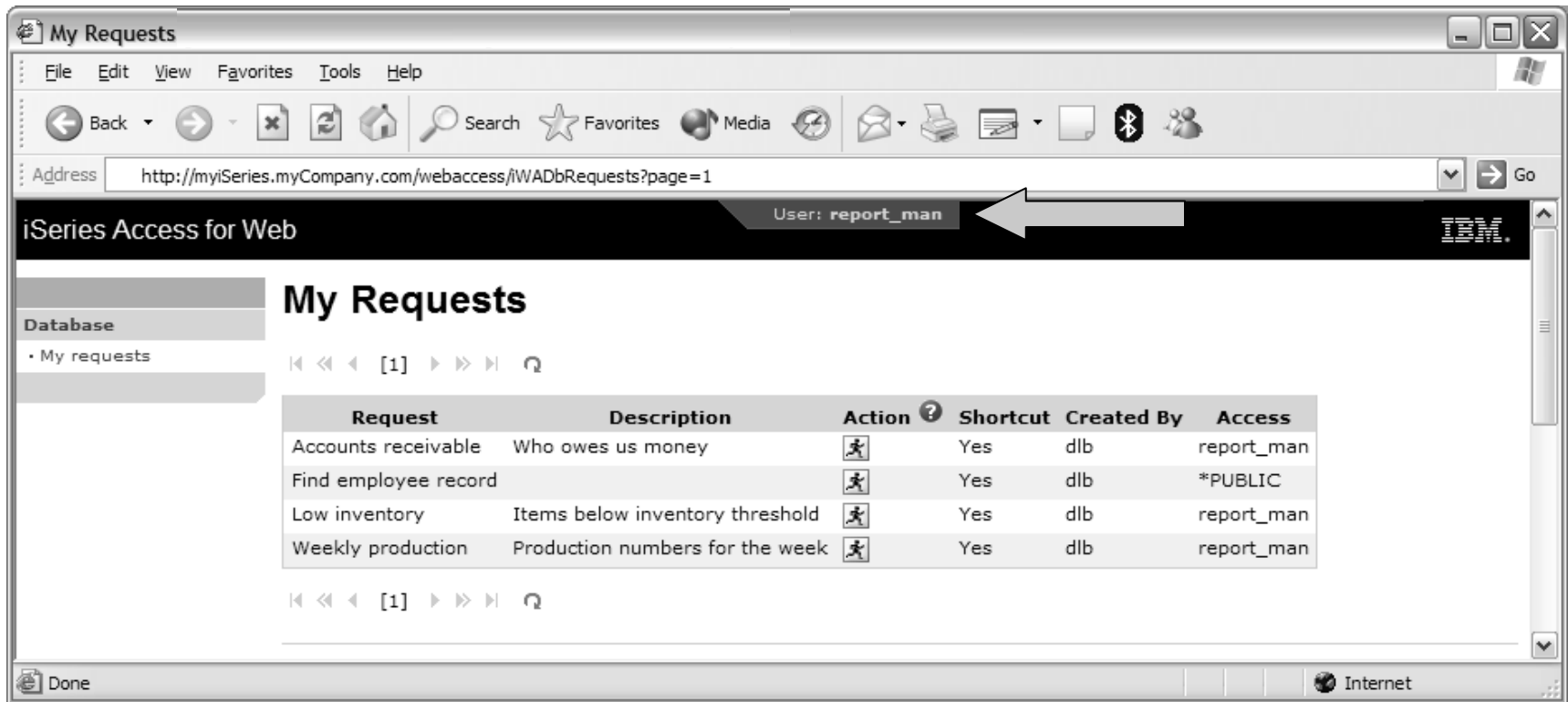
Policy Name	Current Setting	Action
Request list columns	Shipped default	Use current setting Columns...
Run SQL requests	Shipped default	Use current setting Deny
Run statements other than query	Shipped default	Use current setting Deny
Copy data to table	Shipped default	Use current setting Deny
Create new tables	Shipped default	Use current setting Allow
Append data to tables	Shipped default	Use current setting Allow
Replace data in tables	Shipped default	Use current setting Allow
Import request	Shipped default	Use current setting Deny
Import query	Shipped default	Use current setting Deny
Extract server object data	Shipped default	Use current setting Deny
Default connection	Shipped default	Use current setting IBM Toolbox for Java
Default connection is user preference	Shipped default	Use current setting Deny
Add IBM Toolbox for Java to connection list	Shipped default	Use current setting Deny

[Policies help](#)
 View help for editing policies.

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Example: Simple Database User - Completion

- The user can now only run the DB queries they have been given.

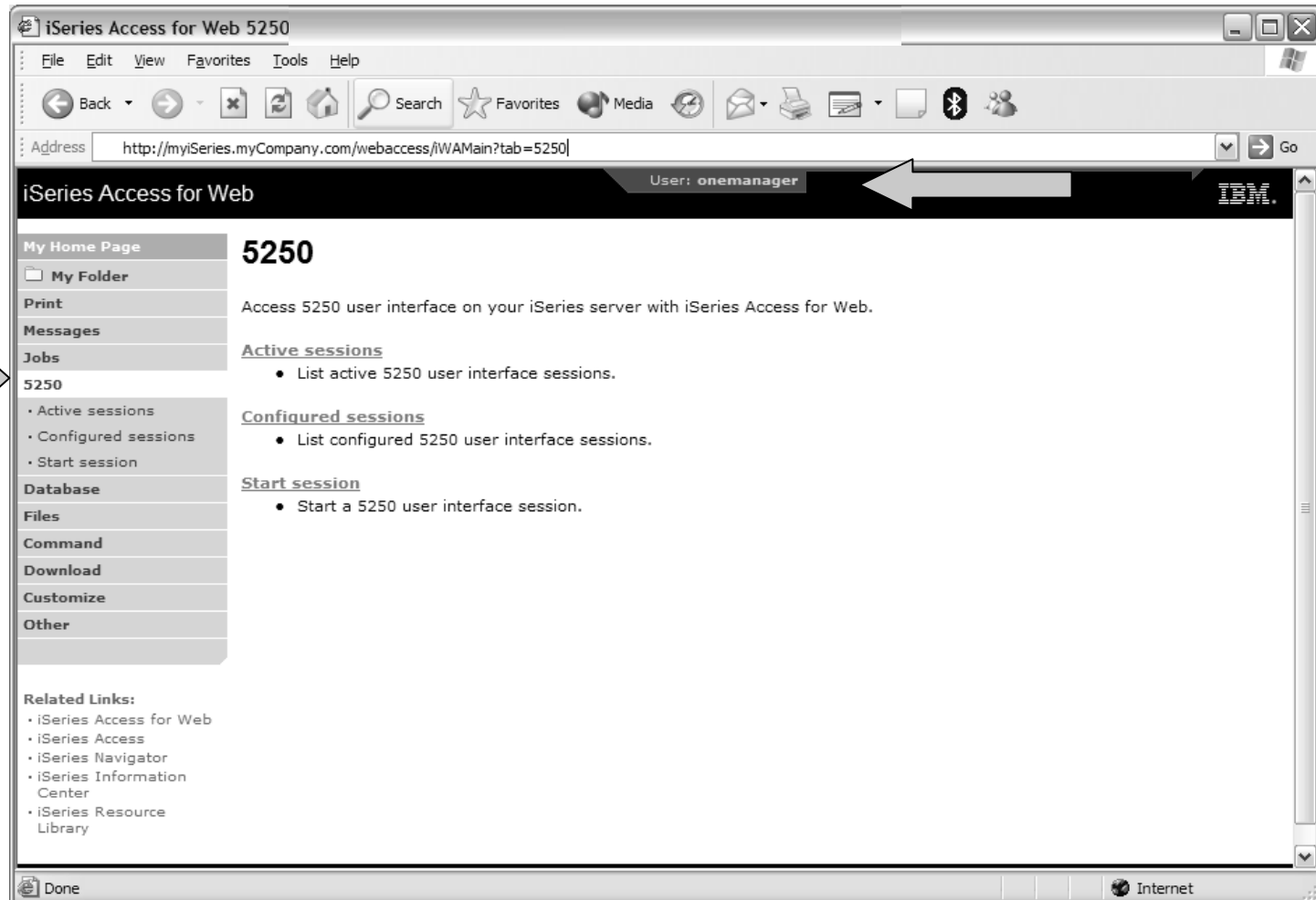


Example: 5250 Access

- The following screen shots step through setting up the items necessary to allow a group of users to use a single pre-configured 5250 session.
- In this example, ONEMANAGER is one of the user profiles in the MANAGERS group.
- This example shows
 - Creating a 5250 session and 5250 session shortcut to be used by the management team
 - Making the 5250 session shortcut the session used by the MANAGERS group profile.
 - Restricting access to other functions in System i Access for Web.
- When the policy is set, it takes effect immediately.

Example: 5250 Access - Before

- Access the 5250 tab System i Access for Web Main page as user ONEMANAGER.



Example: 5250 Access - Policies

- Policies - the starting point for customization of a specific user or group.
- This is a new browser session, where we signed on as an administrator.

The screenshot shows a web browser window titled "Policies" with the URL `http://myiSeries.myCompany.com/webaccess/iWACustomizeList`. The user is identified as "dlb". The page content includes a sidebar with navigation options like "My Home Page", "My Folder", "Print", "Messages", "Jobs", "5250", "Database", "Files", "Command", "Download", "Customize", and "Other". The main content area is titled "Policies" and contains the text "Specify the profile you want to edit." followed by a form with a "Profile:" label, a text input field containing "MANAGERS", and a "Browse..." button. Below this is an "Edit Policies" button. Further down, there are links for "User profiles", "Group profiles", "Import policies", "Export policies", and "Policies help". The footer of the browser window shows "IBM | iSeries | Service" and the version number "5.4.0.05-191.SI22130".

Example: 5250 Access - Categories

- Determine which categories need to be restricted/modified.

Policies

Profile: **MANAGER**

Action	Category	Description	Access ?
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed
	My Folder	My Folder custom settings.	Allowed
	Print	Printer output, printers, printer shares and output queue custom settings.	Allowed
	Sametime	Lotus Sametime custom settings.	Allowed
	Other	Change password and other miscellaneous custom settings.	Allowed

[View all policies](#)
View current policy settings for all categories.

[View group members](#)
View current members of this group profile.

[Policies help](#)

Example: 5250 Access – Other

- Turn off the other non-5250 functions. Set top level to Deny.
- Repeat for each category that should be restricted for the MANAGERS group.

Edit Policies - Command

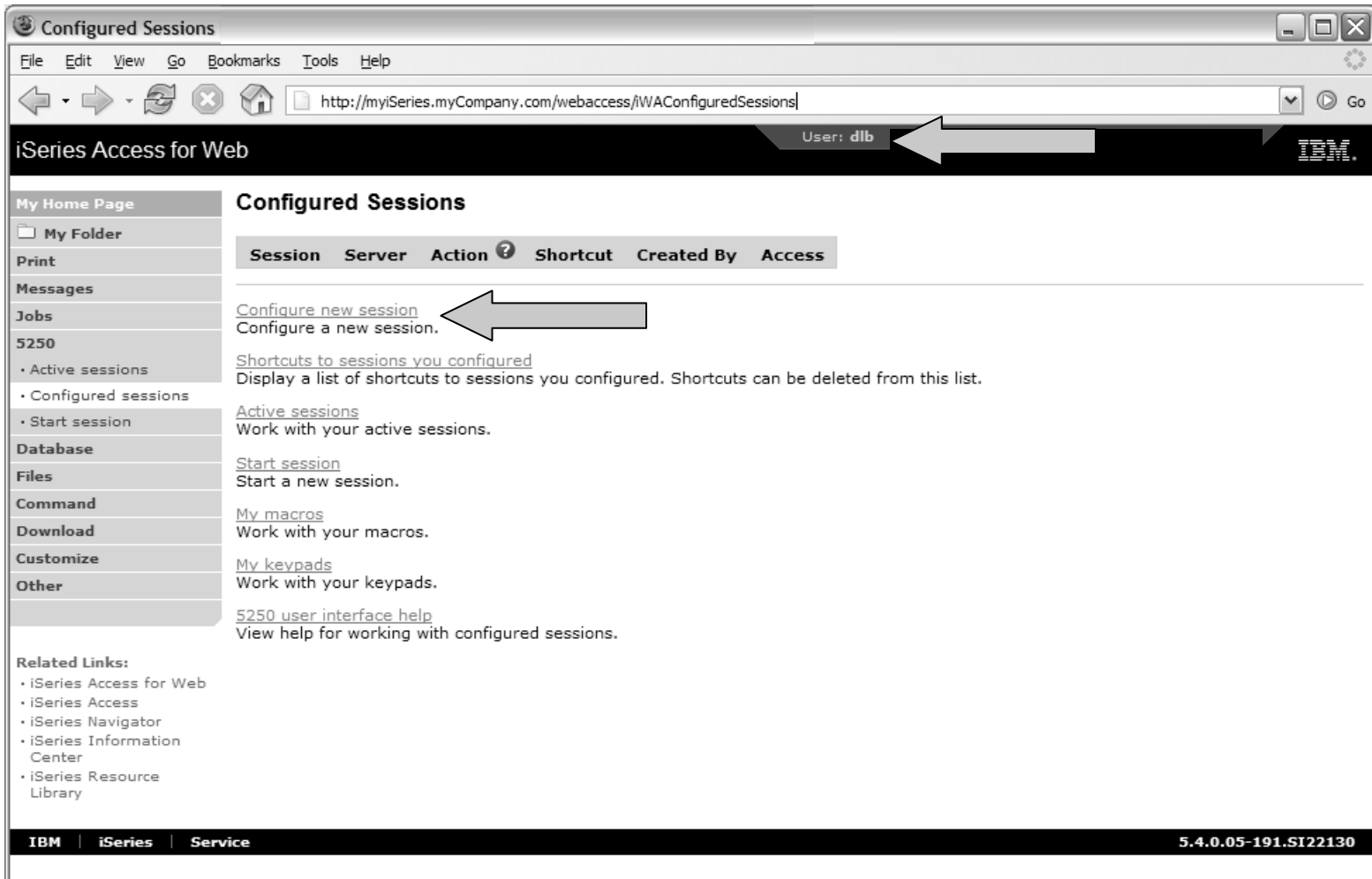
Profile: **MANAGERS**

Policy	Derived From	Action	Setting
Command access	Profile setting	Use current setting	Allow
Command tab	Shipped default	Use current setting	Allow
My commands	Shipped default	Use current setting	Allow
Prompt commands	Shipped default	Use current setting	Allow
Retrieve commands	Shipped default	Use current setting	Allow
Delete commands	Shipped default	Use current setting	Allow
Maximum commands user can save	Shipped default	Use current setting	No maximum
My commands list columns	Shipped default	Use current setting	Columns...
My commands sort column	Shipped default	Use current setting	Name
My commands sort order	Shipped default	Use current setting	Ascending
Maximum characters to display in Command column	Shipped default	Use current setting	No maximum
Run commands	Shipped default	Use current setting	Allow
Number of previous commands remembered	Shipped default	Use current setting	20
Search for commands	Shipped default	Use current setting	Allow
Default search library	Shipped default	Use current setting	*LIBL
Search for commands by	Shipped default	Use current setting	Command name

Buttons: Save, Cancel, Apply

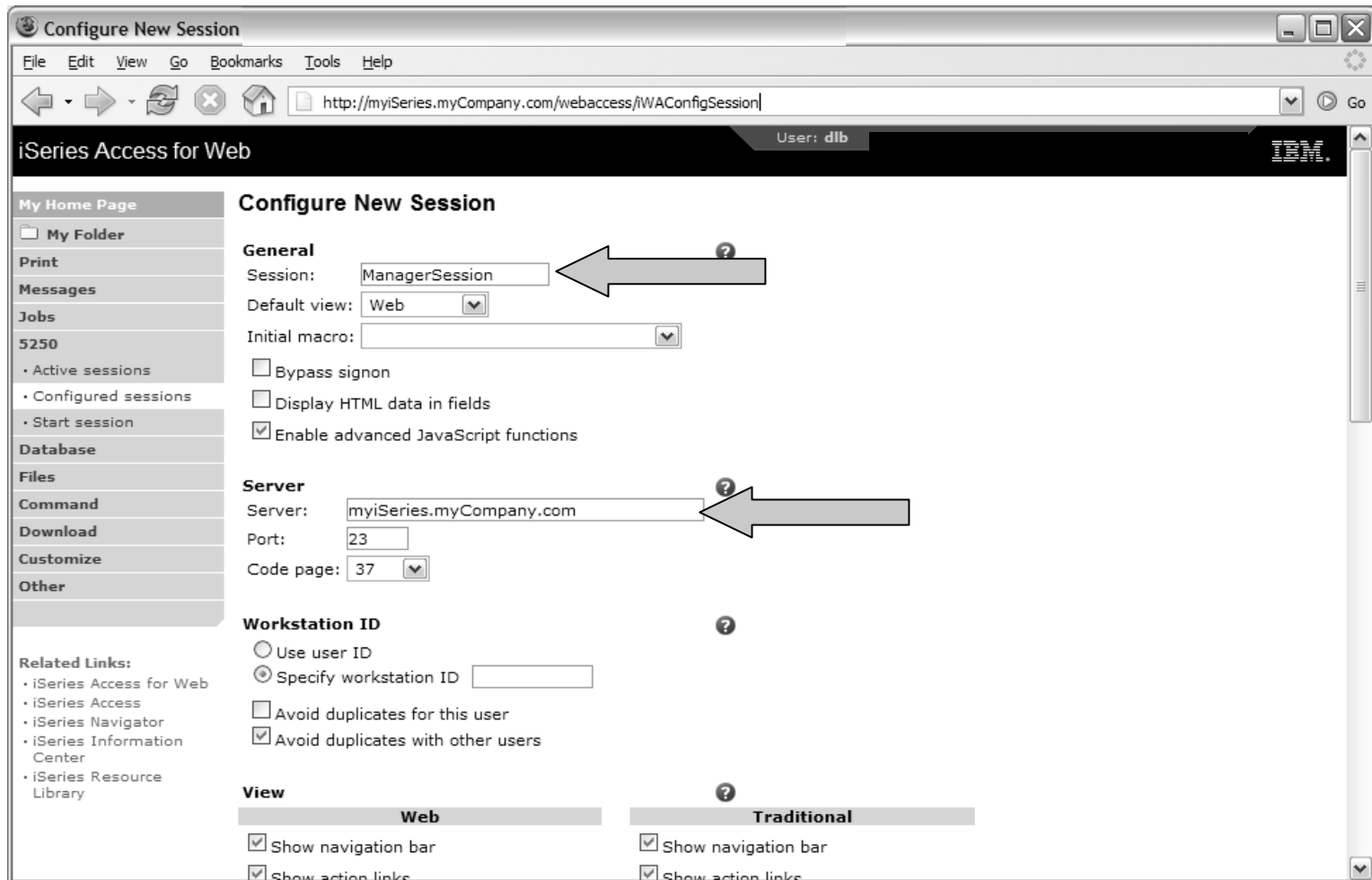
Example: 5250 Access – Functional Setup

- The administrator goes to the Configured Sessions link on the 5250 tab. Select the “Configure new session” link.



Example: 5250 Access – Functional Setup

- The administrator configures the 5250 session settings to be used by the managers.
- Settings include the server to connect to, color schemes, and many other options.



Example: 5250 Access – Functional Setup

- The saved session is only available to the administrator that is currently signed on.
- The session must be shared to the managers. Use the “Create Shortcut” action.

Configured Sessions

Session	Server	Action ?	Shortcut	Created By	Access
ManagerSession	myiSeries.myCompany.com		No	dlb	dlb

[Configure new session](#)
Configure a new session.

[Shortcuts to sessions you configured](#)
Display a list of shortcuts to sessions you configured. Shortcuts can be deleted from this list.

[Active sessions](#)
Work with your active sessions.

[Start session](#)
Start a new session.

[My macros](#)
Work with your macros.

[My keypads](#)
Work with your keypads.

[5250 user interface help](#)
View help for working with configured sessions.

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

IBM | iSeries | Service 5.4.0.05-191.SI22130

Example: 5250 Access – Functional Setup

- Name the shortcut whatever you wish.
- Session can be shared with MANAGERS group, *PUBLIC, or individual profiles.

Create Shortcut

Create shortcut to "ManagerSession"

Shortcut name:

Access: **Add...**

Create Shortcut

Access Details

- ◆ The access value identifies who is able to access the shortcut.
- ◆ The access value can be an existing user profile name on the iSeries server, an existing group profile name, or *PUBLIC.
- ◆ To specify multiple profiles, separate entries with commas.

Related Links:

- [Configured sessions](#)
Work with your configured sessions.
- [Active sessions](#)
Work with your active sessions.
- [Start session](#)
Start a new session.
- [My macros](#)
Work with your macros.
- [My keypads](#)
Work with your keypads.
- [5250 user interface help](#)
View help for working with configured sessions.

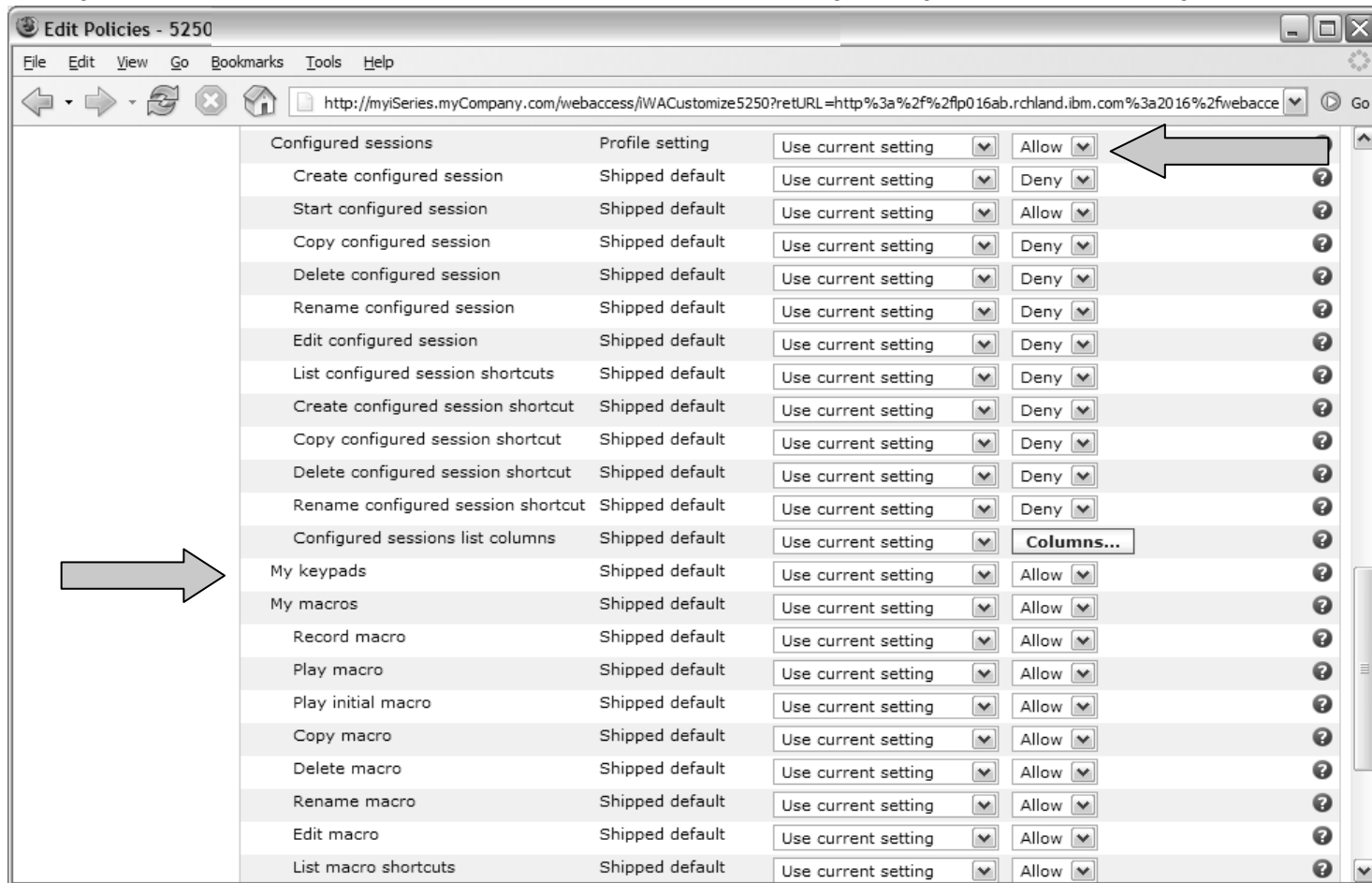
Example: 5250 Access – Back to Customize

- Go back to 5250 in Customize – Policies for the MANAGERS group profile.
- Select the shortcut to use as the default session settings for the MANAGERS.
- Select settings to lock MANAGERS out of starting/configuring new sessions.

Policy	Derived From	Action	Setting
5250 access	Shipped default	Use current setting	Allow
5250 tab	Shipped default	Use current setting	Show
Start non-configured sessions	Shipped default	Use current setting	Deny
Prompt when starting non-configured sessions	Shipped default	Use current setting	Yes
Show server name in title	Shipped default	Use current setting	Yes
Show configured session name in title	Shipped default	Use current setting	No
Maximum active sessions	Shipped default	Use current setting	No maximum
Inactive session timeout	Shipped default	Use current setting	24 hours
Active sessions list columns	Shipped default	Use current setting	Columns...
Configured session to use for defaults	Shipped default	Use current setting	User defaults
Save settings as user defaults	Shipped default	Use current setting	User defaults
Load settings from user defaults	Shipped default	Use current setting	Managers5250 for MANAGERS
Load settings from shipped defaults	Shipped default	Use current setting	Allow
Switch between Web/Traditional views	Shipped default	Use current setting	Allow
Edit active session settings	Shipped default	Use current setting	Allow
Bypass signon	Shipped default	Use current setting	Allow
Display HTML data in fields	Shipped default	Use current setting	Allow

Example: 5250 Access – More 5250 Settings

- Set all 5250 policies to Deny, except Configured Sessions and Start Configured Sessions.
- You may also want to allow them to access My Keypads and My Macros.



Example: 5250 Access – After

- The managers can now only start a pre-configured 5250 session, or reconnect to an active session.

Configured Sessions

File Edit View Favorites Tools Help

Address http://myiSeries.myCompany.com/webaccess/iWAConfiguredSessions/

iSeries Access for Web User: onemanager

Configured Sessions

Session	Server	Action	Shortcut	Created By	Access
Managers5250	myiSeries.myCompany.com		Yes	dlb	MANAGERS

Active sessions
Work with your active sessions.

My macros
Work with your macros.

My keypads
Work with your keypads.

5250 user interface help
View help for working with configured sessions.

IBM | iSeries | Service 5.4.0.05-191.SI22130

***User Preferences:
Users can set their own Preferences***

User Preferences

- The Preferences function allows users to customize System i Access for Web settings to meet their needs.
- By default, all users are allowed to modify their preferences.
- Preferences are a subset of the complete list of available policy settings.
- Users can set the following types of preferences
 - Column inclusion and ordering for functions that display output in columns.
 - Number of rows per page to display on output.
 - Show or hide navigation bar tabs.
 - Preferred language and character set.
 - Database table filters and default database connection.
 - Number of commands to save in the run command history.

User Preferences (continued)

- Restricting access to Preferences
 - Administrators can deny specific users or groups from accessing their preferences.
 - This is controlled by the "Edit preferences" policy.
 - This policy is useful in organizations where administrators want to set up all customization options for users and ensure users are not able to modify any preference settings.

Example: User Preferences, Printer output

- The following screen shots step through setting a user preference for Printer output.
- This example shows
 - the default printer output page for user BASIC_USER.
 - what settings the user can modify to change the printer output page output.
 - the printer output page after user BASIC_USER modifies the preferences.
- When the policy is set, it takes effect immediately.

Example: User Preferences, Printer output (continued)

- The printer output display defaults with many columns of information.

The screenshot shows a web browser window titled 'Printer Output' displaying the 'Printer Output for basic_user' page. The browser address bar shows 'http://mySeries.myCompany.com/webaccess/WASpool?page=1'. The page header includes 'iSeries Access for Web' and 'User: basic_user'. A left sidebar contains navigation options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The main content area features a table of printer jobs and an 'Action Details' section.

File Name	User Data	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Number
QPDSPAJB		1/30/06 2:38 PM	8	1	Ready	[Icons]	BASIC_USER	QPADEV000G	562152	1
QPDSPSTS		1/30/06 2:38 PM	1	1	Ready	[Icons]	BASIC_USER	QPADEV000G	562152	2

Action Details
The Printer Output function supports the following actions:

- Work With**
Use the Work With action to hold, release or print the specified spooled file next. There are also links available that will allow the spooled file:
 - Move printer output to another printer
 - Move printer output to another output queue
 - Send printer output to another server (SNDTCPSPLF)
 - Change printer output attributes (CHGSPLFA)
 - Copy printer output to database file (CPYSPLF)

Example: User Preferences, Printer output (continued)

- Click on the Customize tab to work with Preferences.

Preferences

File Edit View Favorites Tools Help

Address http://myiSeries.myCompany.com/webaccess/iWACustomize

User: basic_user

iSeries Access for Web

Preferences

Action	Category	Description
	5250	5250 user interface custom settings.
	Command	Run batch command custom settings.
	Customize	Preferences and policy administration custom settings.
	Database	Database tables, requests, and run SQL custom settings.
	Download	Download packages custom settings.
	Files	Integrated file system and file share custom settings.
	General	Page layout, language and character set custom settings.
	Jobs	Work with jobs custom settings.
	Mail	Send mail custom settings.
	Messages	Display messages, send messages, and message queue custom settings.
	My Folder	My Folder custom settings.
	Print	Printer output, printers, printer shares and output queue custom settings.
	Sametime	Lotus Sametime custom settings.
	Other	Change password and other miscellaneous custom settings.

[View all preferences](#)
View current preference settings for all categories.

[Preferences help](#)
View help for working with preferences.

Done Internet

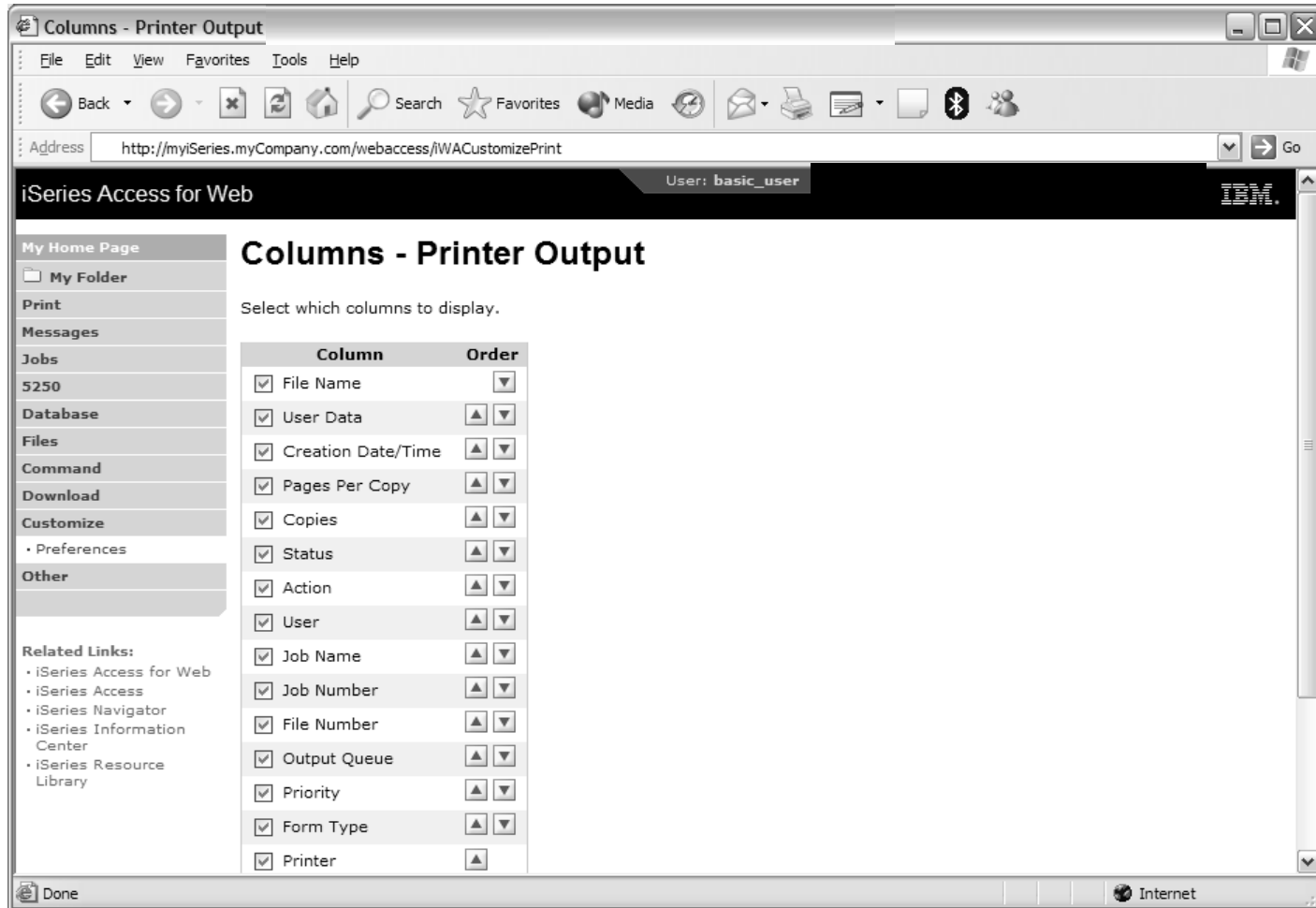
Example: User Preferences, Printer output (continued)

- Click on the Print category.
- Click on the Columns button for the "Printer output list columns" Preference.

Preference	Derived From	Action	Setting
Print tab	Shipped default	Use current setting	Show
Printer output			
Preferred format to preview AFP output	Shipped default	Use current setting	PNG
Preferred format to preview SCS output	Shipped default	Use current setting	PNG
Printer output list columns	Shipped default	Use current setting	Columns...
Use Infoprint Server if installed	Shipped default	Use current setting	Yes
PDF output settings prompt mode	Shipped default	Use current setting	Basic
Default PDF output settings	Shipped default	Use current setting	Settings...
PDF printer output			
PDF printer output list columns	Shipped default	Use current setting	Columns...
Printers			
Printers filter	Shipped default	Use current setting	*ALL
Printers list view	Shipped default	Use current setting	Basic
Printers list columns - Basic	Shipped default	Use current setting	Columns...
Printers list columns - Advanced	Shipped default	Use current setting	Columns...
PDF printers			
PDF printers list columns	Shipped default	Use current setting	Columns...

Example: User Preferences, Printer output (continued)

- The Columns displayed can be toggled off/on by checking the box.
- Click OK and Save buttons to immediately save the changes.



Example: User Preferences, Printer output (continued)

- The printer output display now only has a few columns.

The screenshot shows a web browser window titled "Printer Output" with the URL `http://mySeries.myCompany.com/webaccess/WASpool`. The user is logged in as `basic_user`. The main content area is titled "Printer Output for basic_user" and displays a table of printer output jobs. A large arrow points to the "Action" column of this table.

File Name	Pages	Per Copy	Status	Action ?
QPDSPAJB	8		Ready	...
QPDSPSTS	1		Ready	...

Below the table, the "Action Details" section lists the following actions:

- Work With**
Use the Work With action to hold, release or print the specified spooled file next. There are also links available that will allow you to perform the following actions on the spooled file:
 - Move printer output to another printer
 - Move printer output to another output queue
 - Send printer output to another server (SNDTCPSPLF)
 - Change printer output attributes (CHGSPLFA)
 - Copy printer output to database file (CPYSPLF)
- View**
Use the View action to view the printer output.

Example: User Preferences, Printer output (continued)

Tips

- This example showed that a user can modify their printer output view. An administrator can:
 - Restrict the user's access to the Preferences interface.
 - Perform the same changes by setting policies for the user, or a group of users.
- The Preferences interface that the user has access to is only a subset of all the policy settings an administrator can access for the same function.

Policy Tools for Administrators

Policies and Tools

- Import/Export policy settings
 - Pick a user or group for export

- Transfer configuration data from one user to another
 - Move and copy operations supported for:
 - 5250 sessions and macros
 - Saved commands
 - Database requests
 - My Folder items
 - Policies

Transfer Configuration Data

Transfer Configuration Data

File Edit View Go Bookmarks Tools Help

http://myiSeries.myCompany.com/webaccess/IWATransferCfg

User: dlb

My Home Page

- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies
 - Settings
 - Transfer configuration
- Other

Transfer Configuration Data

Profiles ?

From profile: **Browse...**

To profile: **Browse...**

Action to Perform ?

Copy

Move

Data to Transfer ?

5250 sessions

5250 macros

Commands

Database requests

Folder items

Policies

Transfer Data

[Transfer configuration data help](#)
View help for transferring configuration data.

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5.4.0.05-191.SI22130

Page customization

Home Page Customization

- A default home page is displayed when the iWAHome servlet is invoked.
 - <http://<mySystem.myCompany.com>/webaccess/iWAHome>
 - It's a starting point to highlight functions.
 - It's an example of how to build your own home page or pages that access System i Access for Web functionality.
- The Customize function allows you to replace the default home page.
- Default home page replacement can be done for all users (*PUBLIC), or can be changed for only certain users and/or groups of users.
- Great article - example
 - "Build a quick and easy Web site with System i Access for Web" - Janet Weber
 - http://www.ibm.com/servers/eserver/iserries/access/pdf/build_website_article.pdf
 - iSeries 400 Experts Journal
 - **Updated Oct 2006 in System i News - 'Tailor System i Access for Web'**

Template file customization

- System i Access for Web has a default look for its functional pages.
 - This look is controlled by a template file and cascading style sheet.
- The template file has sections to specify
 - Header/footer areas of functional pages.
 - Where System i Access for Web content is placed in the page.
- The Customize function allows you to replace the default template file.
- Default template file replacement can be done for all users (*PUBLIC), or can be changed only for certain users and/or groups of users.

Edit Policies: specify home page and template files

Edit Policies - General
Profile: LLHIRSCH

Policy	Derived From	Action	Setting
Home page HTML file	Shipped default	Use current setting	/QIBM/ProdData/Access/Web2/html/homepage.h Browse...
Template HTML file	Shipped default	Use current setting	/QIBM/ProdData/Access/Web2/html/webaccess.h Browse...
Main page HTML file	Shipped default	Use current setting	/QIBM/ProdData/Access/Web2/html/overview.htr Browse...
Home page	Shipped default	Use current setting	Allow
Template	Shipped default	Use current setting	Allow
Navigation	Shipped default	Use current setting	Allow
Related links	Shipped default	Use current setting	Allow

Special tags

- Within the home page and template .html files, special tags are used.
 - When these tags are encountered by the System i Access for Web code, they are replaced with the appropriate content.

- **Special tags...**

- %%CONTENT%%
- %%include section=file%%
- %%MENU%%
- %%STYLESHEET%%
- %%STYLESHEET_CLASSIC_COLORS%%
- %%TITLE%%
- %%SYSTEM%%
- %%USER%%
- %%VERSION%%

- **Replaced with...**

- functional content for the page, separates the header/footer
- HTML section/fragment to include navigation bar
- default style sheet
- default style sheet prior to V5R4
- title of the page
- name of iSeries being accessed
- i5/OS user profile used to access the server
- version of System i Access for Web

- For detailed information on these special tags

- V5R4 System i Access for Web Info Center
 - Connecting to iSeries->System i Access->System i Access for Web->System i Access for Web in a web application sever environment->Customize System i Access for Web->Default page content->Home page

Home Page default – iWAHome servlet

http://<system>/webaccess/iWAHome

The image shows two overlapping browser windows displaying the iSeries Access for Web homepage. The top window is titled 'Homepage [LP016AB.RCHLAND.IBM.COM] - Mozilla Firefox' and shows the page for user 'dlb'. The bottom window is titled 'Homepage' and shows the page for user 'commonuser'. Both pages have a similar layout with a navigation menu on the left and a main content area with sections like 'Getting Started', 'My Information', 'My View', and 'Related Products'. The bottom window also features a 'Spring 2006 Conference & Expo' banner and a 'Rochester news' section in the sidebar.

Home Page customization – iWAHome (another example)

- Custom home page - <http://iseriesd.dfw.ibm.com/webaccess/iWAHome>
 - Refer to chart 6 for info on how to access this sample

Access for Water - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Address <http://<system>/webaccess/iWAHome> Go

IBM *Access for Water* Supplying quality boats since 2002

Services

[View available boats](#)
[See boat details](#)
[Order a boat](#)

This Week's Special



Beautifully maintained 28 foot 1978 Carver Santa Cruz for only \$23,900. Head and galley refurbished in 2001. Only 31 hours on completely rebuilt motor. Click [here](#) to see this boat cruising the seas.

Great Deals

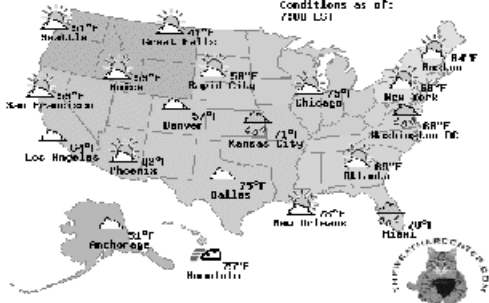
For those bargain conscious among you, we have a large selection of new and slightly used boats for under \$75,000. Whether you are planning on sailing in your backyard pond or navigating the mighty Mississippi we can meet your wants, needs, or desires. [View our selection of modestly priced boats.](#)

Site Support

Your comments are important to us. Please let us know if you have any questions or if we can help you in any way. Address your message to user BOATHELP. [Send us a message](#)

Weather Conditions

Is it a great day for boating? Check out today's forecast.



IBM iSeries Service

Home Page/Template Customization Example (continued)

- Custom template

Quick View of BOATS.BOATS

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail Bluetooth

Access for Water Supplying quality boats since 2002

[Home](#)

Current Orders

Navigation: [1] 2

BTYPE	BNAME	BFEET	BYEAR	BCOST	BNT01	BNT02
C	Poole Boat Co Aluminum	80	1979	1000000	-Located in S. Diego, CA	-Twin Detroit diesels.
P	Carver Santa Cruz	28	1978	23900	-Constructed of fiberglass.	-Single Chevy 350 gas engine, 250 hp. Fresh water cooled,
P	Mako Sportfisher	19	1989	13000	-Located in Anacortes, WA.	-Great fishing boat
P	Monk Bridgedeck Cruiser	36	1956	19900	-Built of mahogany, oak, and cedar.	-The 130 hp power plant is a single, Chrysler cyl. diesel
P	Monk Flybridge/Sedan	34	1985	55000	-Double planked cedar on oak frames.	-The 165 hp power plant is a 1985 V6 Detroit diesel.
P	Monterey Marine Custom	80	1996	2975000	-Located in Stuart, FL	-Monthly payment.
S	Bill Garden Schooner	36	1953	27500	-The hull is 1/8' caravel cedar planked atop 1/4" x 1 1/2" oak frames	and the deck is cedar planked with tar sear

Done Internet

iWAHome - structure

<http://<system>/webaccess/iWAHome>

Homepage file
common_homepage.html

Defines content, layout, images, links to be displayed when the iWAHome servlet is invoked in the browser.

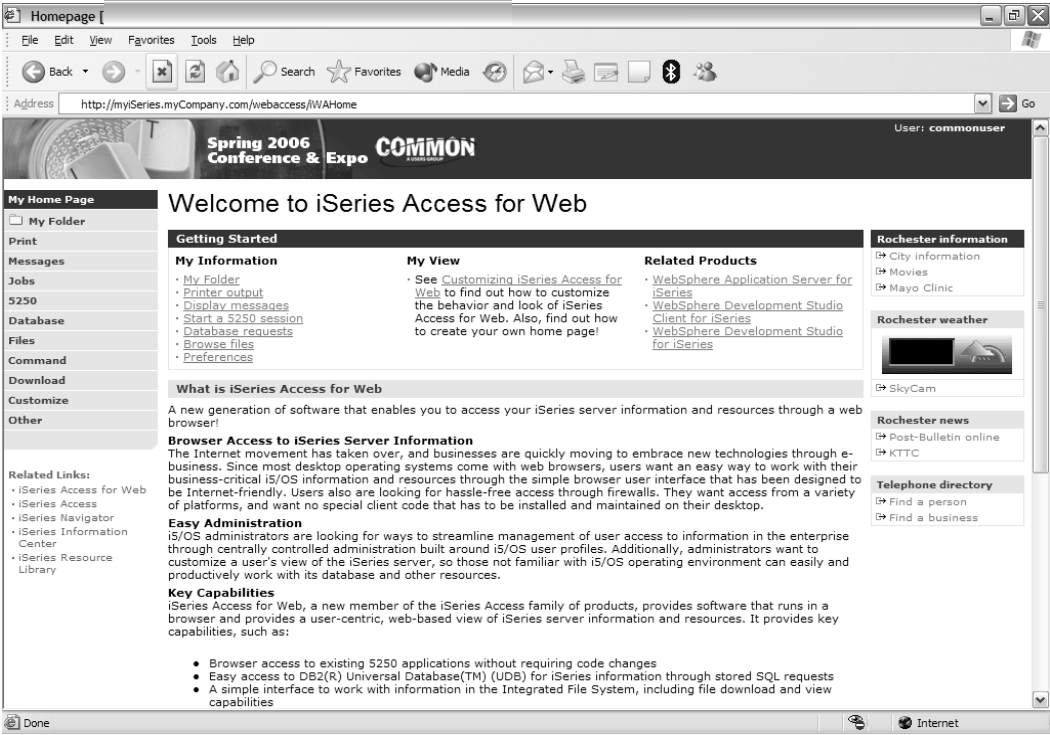


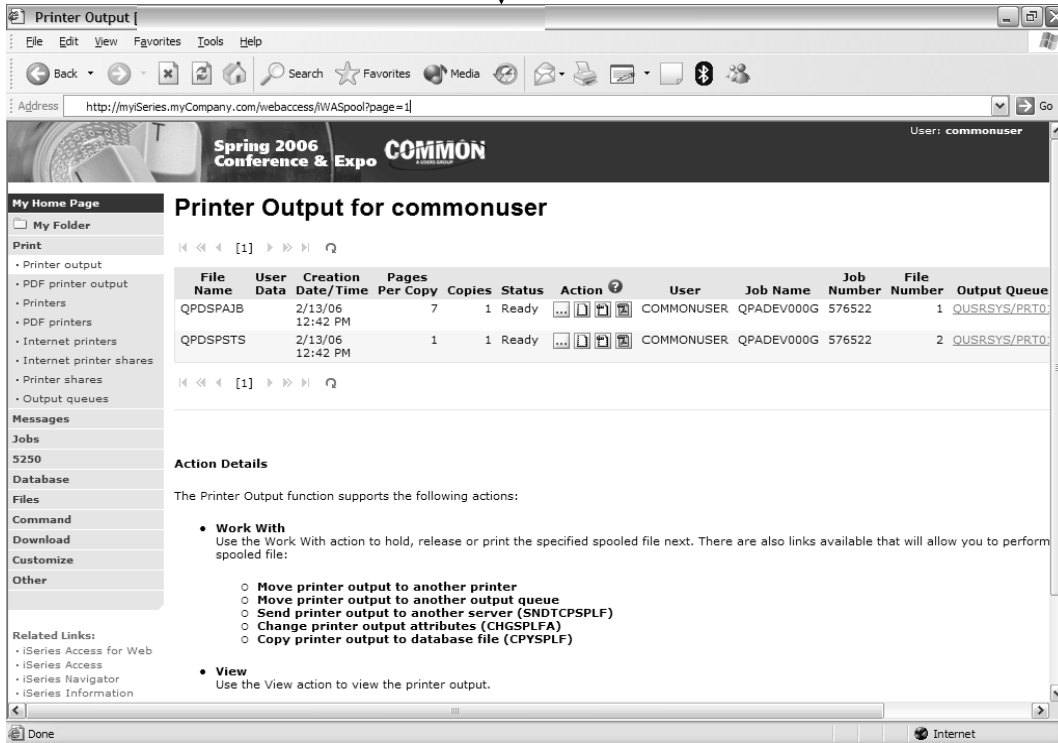
Image files
images/s06common.gif
images/iwa_navCorner.gif

Cascading Style Sheet file
common_styles.css

Defines the colors, fonts, font sizes for the various elements in the .html files.

iWA servlet Template - structure

<http://<system>/webaccess/iWASpool>



Homepage file
common_homepage.html

Defines content, layout, images, links to be displayed when the iWAHome servlet is invoked in the browser.

Template file
common_template.html

Defines the header, content, footer on all other servlet pages.

Image files

images/s06common.gif
images/iwa_navCorner.gif

Cascading Style Sheet file
common_styles.css

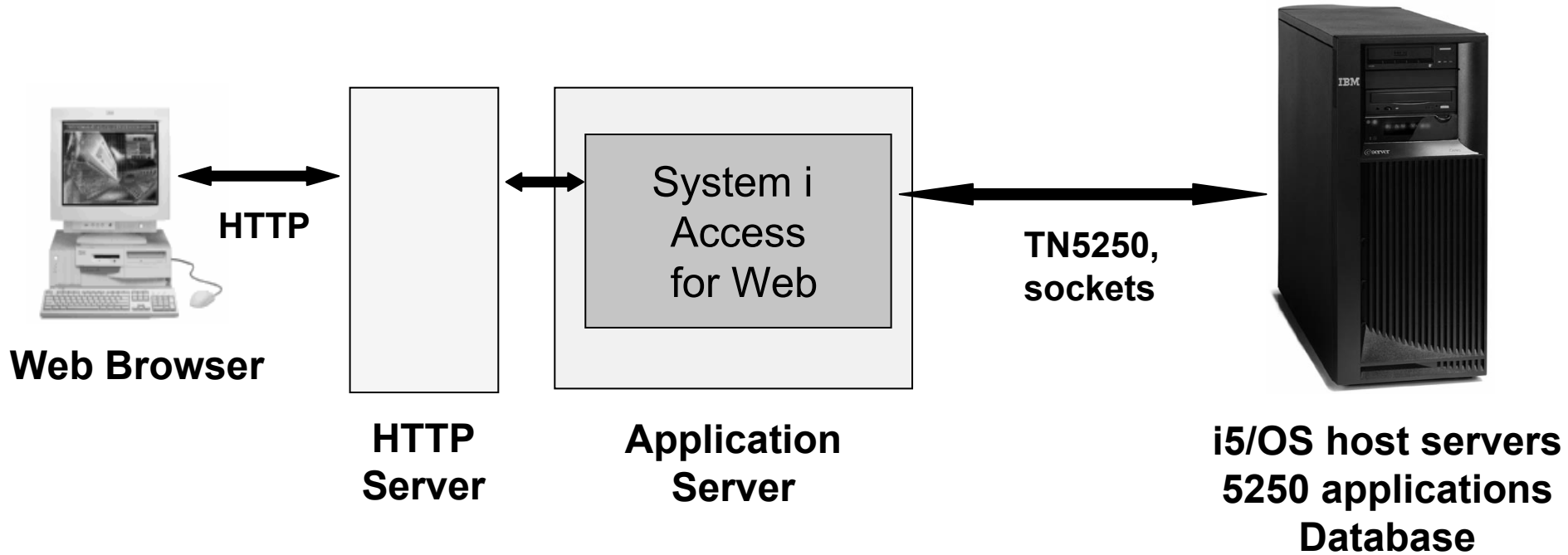
Defines the colors, fonts, font sizes for the various elements in the .html files.

Refer to the Appendix for a step-by-step example of modifying the home page and template files

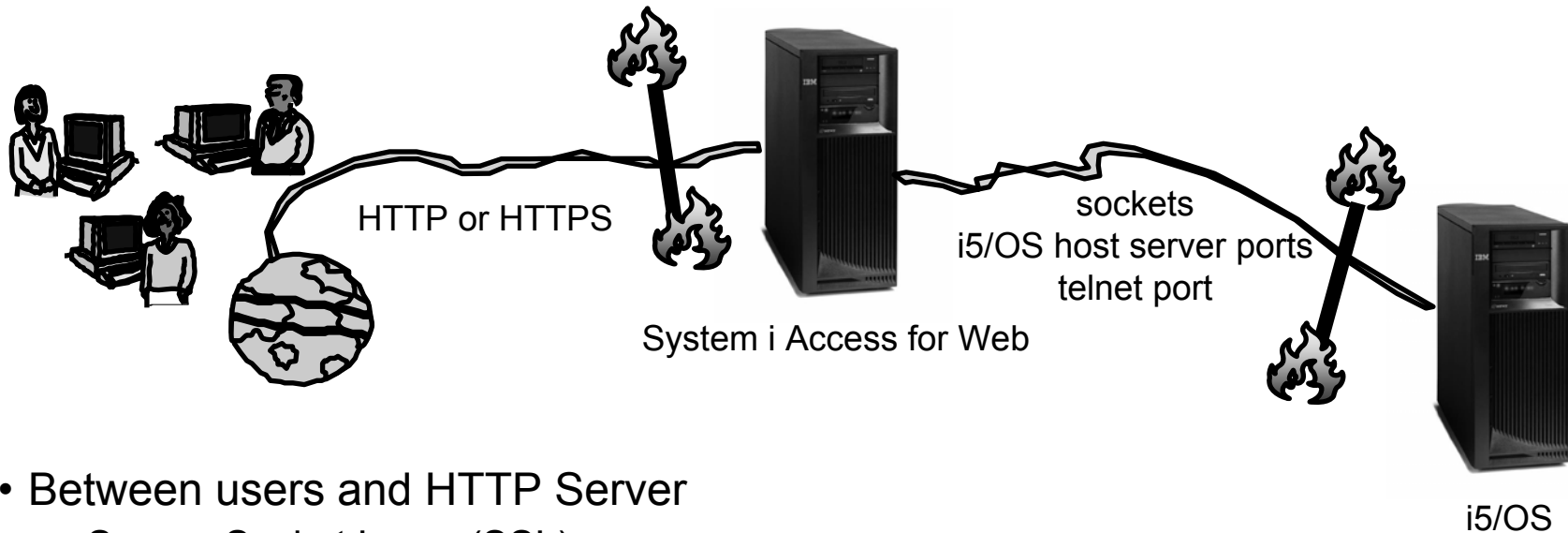
- Customizing policies to use different home page and template files
- Adding a different image as header, changing the footer
- Updating the cascading style sheet

System i Access for Web Environment Security Considerations

System i Access for Web Environment



System i Access for Web Environment (continued)



- Between users and HTTP Server
 - Secure Socket Layer (SSL)
 - Virtual Private Networking (VPN)
 - Firewalls
- Between System i Access for Web and i5/OS
 - VPN
 - Firewalls

Secure Sockets Layer

- Used for data confidentiality between Web browser and HTTP server
 - Digital certificates used to determine trust relationships
 - Point to Point encryption for all data (PC App to Server App)
 - Part of the standard HTTPS protocol
- See Info Center for specific details on Configuration and Setup.
 - See the “Configure WebSphere Security” topic
- Levels of SSL
 - TLSv1, SSLv3 recommended, use 128-bit or higher
 - SSLv2 should not be used anymore. Disable in clients and server (APAR SE25734)

Virtual Private Networking

- Used for data confidentiality between Web browser and HTTP server
 - Digital certificates and User authorization used establish tunnel
 - End to End encryption for all data (PC to Server tunnel)
 - Allows any protocol, including standard HTTP
- See Info Center for specific details on Configuration and Setup.
 - See the “Virtual Private Networking” topic
- Redbooks
 - IBM System i Security Guide for IBM i5/OS Version 5 Release 4 (SG24-6668-01)
 - OS/400 V5R2 Virtual Private Networks (REDP-0153-01)

Authentication security options

- How does the user authenticate to System i Access for Web?
- How does System i Access for Web authenticate with i5/OS?
- System i Access for Web in a WebSphere Single Signon (SSO) environment
- Special considerations for 5250

Authentication

- Authentication is verifying the identity of the user
- System i Access for Web supports two types of authentication
 - Application
 - System i Access for Web handles the authentication
 - Application Server
 - WebSphere Application Server handles the authentication
- Specified by the AUTHTYPE parameter on the CFGACCWEB2 command
 - Application: AUTHTYPE(*APP)
 - Application Server: AUTHTYPE(*APPSVR)

Authorization

- Authorization is verifying that authenticated users have permission to access requested resources
- System i Access for Web uses the i5/OS user profile and object level security to authorize access to i5/OS resources
- System i Access for Web provides application level control of access to functions through policies
 - Policies can be administered at the i5/OS user and group profile levels

My Home Page

- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies
 - Settings
 - Transfer configuration
- Other

Policies

Profile: JHANSEN

Action	Category	Description	Access ?
	5250	5250 user interface custom settings.	Allowed
	Command	Run batch command custom settings.	Allowed
	Customize	Preferences and policy administration custom settings.	Allowed
	Database	Database tables, requests, and run SQL custom settings.	Allowed
	Database connections	Create and edit database connection definitions.	Allowed
	Download	Download packages custom settings.	Allowed
	Files	Integrated file system and file share custom settings.	Allowed
	General	Page layout, language and character set custom settings.	Allowed
	Jobs	Work with jobs custom settings.	Allowed
	Mail	Send mail custom settings.	Allowed
	Messages	Display messages, send messages, and message queue custom settings.	Allowed

Application Authentication

- System i Access for Web handles authentication
- i5/OS user profile and password
 - Hostname specified by the TGTSVR parameter on the CFGACCWEB2 command
- Method: HTTP basic authentication
 - RFC2617
 - User profile and password are encoded (not encrypted) in the HTTP headers and should be protected



Application Server Authentication

- WebSphere handles authentication
- WebSphere credentials
 - Typically a user ID and password
 - Can be Windows domain login information (new in V6R1)
 - Kerberos-based
 - Requires WebSphere Application Server V6.1
 - Authenticated with the active WebSphere user registry
- Specified by the AUTHTYPE parameter on the CFGACCWEB2 command
 - Application Server Authentication: AUTHTYPE(*APPSVR)
- WebSphere provides different methods of gathering credentials
 - Applications can choose which methods to support

Application Server Authentication (continued)

- System i Access for Web supports two methods of gathering credentials
 - HTTP basic authentication
 - User ID and password are encoded (not encrypted) in the HTTP headers and should be protected
 - Form-based authentication
 - User ID and password are clear text and should be protected
 - Kerberos-based authentication (V6R1)
 - Windows domain login information sent via Simple and Protected GSS-API Negotiation Mechanism (SPNEGO)
 - No additional prompt for user credentials

- Specified by the AUTHMETHOD parameter on the CFGACCWEB2 command
 - HTTP basic authentication: AUTHMETHOD(*BASIC)
 - Form-based authentication: AUTHMETHOD(*FORM)
 - Kerberos-based authentication: AUTHMETHOD(*KERBEROS)

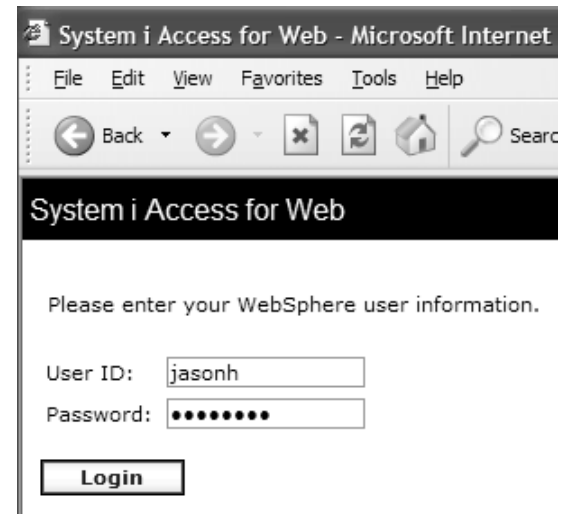


Application Server Authentication Authorization

- HTTP basic authentication and form-based authentication
 - System i Access for Web uses Enterprise Identity Mapping (EIM) to map the authenticated WebSphere user identity to an i5/OS user profile
 - System i Access for Web identifies the user by the mapped i5/OS user profile
 - i5/OS user profile is used to authorize access to i5/OS resources using object level security
- Kerberos-based authentication
 - System i Access for Web uses Kerberos-based credentials to authenticate with i5/OS
 - i5/OS uses Network Authentication Service (NAS) and EIM to map the Kerberos-based identity to an i5/OS user profile
 - System i Access for Web identifies the user by the mapped i5/OS user profile
 - i5/OS user profile is used to authorize access to i5/OS resources using object level security

Application Server Authentication Configure System i Access for Web

- Configure System i Access for Web
 - CFGACCWEB2 AUTHTYPE(*APPSVR)
AUTHMETHOD(*FORM) ...
 - CFGACCWEB2 AUTHTYPE(*APPSVR)
AUTHMETHOD(*KERBEROS) ...



5250 Sessions

- 5250 sessions can be started to any system running i5/OS
- Must provide user profile and password on i5/OS Sign On screen

Start Session

Server ?
 Server:
 Port:
 Code page:

Workstation ID ?
 Use user ID
 Specify workstation ID
 Avoid duplicates for this user
 Avoid duplicates with other users

General ?
 Initial macro:
 Bypass signon
 Display HTML data in fields

Start Session

Sign On

System : QINTER
 Subsystem : QPADEV0006
 Display :

User
 Password
 Program/procedure
 Menu
 Current library

RELEASE: V05R03M00
 DRIVER: 2600722

USE OF THIS SYSTEM IS FOR IBM MANAGEMENT APPROVED PURPOSES ONLY.
 USE IS SUBJECT TO AUDIT AT ANY TIME BY IBM MANAGEMENT.

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5250 Session Bypass Signon

- QRMTSIGN system value must be *VERIFY
- Select bypass signon when starting or configuring a session

Start Session

System ?

System:

Port:

Code page:

Workstation ID ?

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

General ?

Initial macro:

Bypass signon

Display HTML data in fields

Start Session

Configure New Session

General ?

Session: * required

Default view:

Initial macro:

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

System ?

System:

Port:

- System i Access for Web must be configured for application authentication or application server authentication with Kerberos for bypass signon to be available
 - CFGACCWEB2 AUTHTYPE(*APP) ...
 - CFGACCWEB2 AUTHTYPE(*APPSVR) AUTHMETHOD(*KERBEROS) ...

5250 Session Signon Macro

- Select as initial macro when configuring a session
- System i Access for Web must be configured for application authentication or application server authentication with Kerberos for bypass signon to be available
 - CFGACCWEB2 AUTHTYPE(*APP) ...
 - CFGACCWEB2 AUTHTYPE(*APPSVR) AUTHMETHOD(*KERBEROS) ...
- Signon macro advantageous for V5R3 Access for Web, since Bypass signon was provided in V5R4

Configure New Session

General ?

Session: * required

Default view: ▼

Initial macro: ▼

Bypass signon

Display HTML data in fields

Enable advanced JavaScript functions

Server ?

Server:

Port:

5250 Sessions in Portlets

- Bypass signon
 - QRMTSIGN system value must be *VERIFY
 - Settings to enable bypass signon and specify the credential to use
- No macro support

The screenshot shows a window titled "iSeries 5250 Session" with a "Start Session" button at the top. Below the button, there are several sections:

- Server:** A text field containing "x1519p4.rchland.ibm.com".
- Port:** A text field containing "23".
- Code page:** A dropdown menu showing "37".
- Display HTML data in fields
- Workstation ID:**
 - Use user ID
 - Specify workstation ID
 - Avoid duplicates for this user
 - Avoid duplicates with other users
- Start Session** button

Bypass signon

Enable bypass signon

Use credential specific to this portlet window

User:

Password:

Confirm password:

Use credential set with iSeries Credentials portlet

Credential:

Use system shared credential set by administrator

Credential:

Appendix:
email Linda at LLHIRSCH@us.ibm.com for a step-by-step
example of how to
customize the Home page and Template files

System i & WebSphere Resources & Deliverables

iSeries Information Center

<http://www.ibm.com/iseries/infocenter>

iSeries site

www.iseries.ibm.com/

iSeries WebSphere Application Server

<http://www-1.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/>

PartnerWorld for Developers, iSeries & WebSphere

<http://www.iseries.ibm.com/developer/websphere/>

IBM eServer Solutions

<http://www-1.ibm.com/servers/eserver/iseries/solutions/>

iSeries e-business Solutions

<http://www-1.ibm.com/servers/eserver/iseries/ebusiness/>

iSeries B2B Solutions

<http://www-1.ibm.com/servers/eserver/iseries/btob/>

Connect for iSeries

<http://www-1.ibm.com/servers/eserver/iseries/btob/connect/v11high.html>

WebSphere Commerce Suite for iSeries

<http://www-1.ibm.com/servers/eserver/iseries/ebusiness/wcs51.html>

iSeries and e-commerce

<http://www-1.ibm.com/servers/eserver/iseries/ebusiness/ecommerce.htm>

iSeries HTTP Server

<http://www-1.ibm.com/servers/eserver/iseries/software/http/index.html>

WebSphere Development Studio for iSeries

<http://www-3.ibm.com/software/ad/wds400/>

iSeries and WebSphere References

<http://www.as400.ibm.com/developer/java/solutions/jjem.html>

<http://www2.software.ibm.com/casestudies/swcsweb.nsf/platform>

iSeries Solution Finder

<http://www.iseries.ibm.com/btobpartner/>

iSeries & Domino

<http://www-1.ibm.com/servers/eserver/iseries/domino/>

Dedicated Server for Domino

<http://www-1.ibm.com/servers/eserver/iseries/domino/dsd.htm>

Workload Estimator for iSeries, WAS, WCS & Domino, HTTP Server, Java, etc.

<http://as400service.ibm.com/estimator/>

iSeries Custom Technology Center

<http://www-1.ibm.com/servers/eserver/iseries/service/ctc/>

iSeries Technical Support

<http://as400service.ibm.com/>

iSeries Technical Studio

<http://www.as400.ibm.com/tstudio/>

1st Install for iSeries & WebSphere Application Server

<http://www.iseries.ibm.com/developer/websphere/assistance.html>

iSeries ToolsNet (Tools & Middleware)

<http://www.iseries.ibm.com/developer/tools/>

iSeries & Services Network

<http://as400service.ibm.com/supporthome.nsf/document/19251245>

iSeries e-business Handbook (SG24-5694-01)

<http://www.redbooks.ibm.com/abstracts/sg245694.html>

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AS/400e	IBM	OS/400
eServer	IBM (logo)	System i5
@server		System i

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