



IBM eServer J iSeries J

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iSeries Access for Web: Control Access to your iSeries Resources

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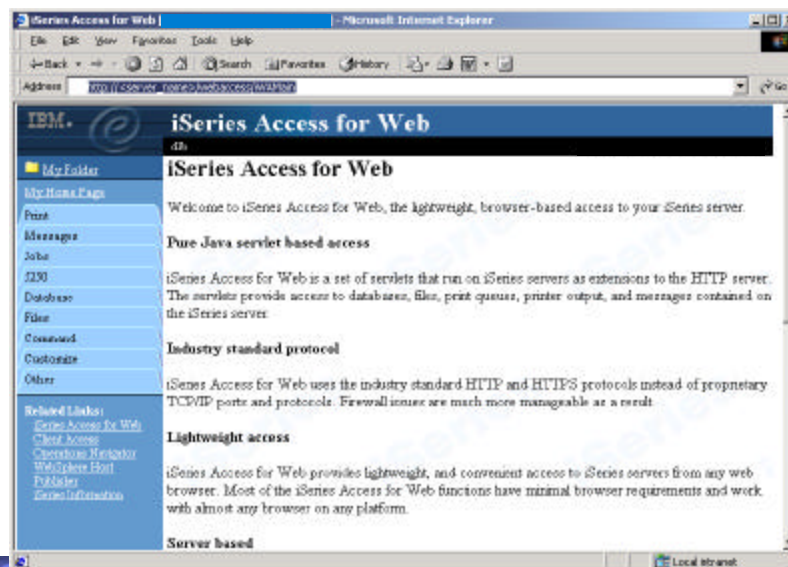
<http://www.ibm.com/servers/eserver/iseries/access/web/>

IBM eServer iSeries



Controlling access for iSeries Access for Web

iSeries Access for Web is a server-based, web-enabled, lightweight method of accessing iSeries server resources.



Controlling access for iSeries Access for Web

- Controlling how users access the iSeries server using iSeries Access for Web can be done using 3 methods
- Administrators can use the Customize function to set policies for users and groups of users.
- 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
- Administrators can use the Customize function to replace the default iSeries Access for Web home page with their own home page.

Controlling Access: Setting policies for users and groups of users

Controlling Access - How & Who?

- 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 that they have authority to.
 - ▶ These administrators can then grant other user profiles permission to administrate iSeries Access for Web functions.

Controlling Access - Strategies

- iSeries Access for Web ships with a set of default policy settings.
- These default policy settings allow most functions to be available for all users.
- As an administrator, you may not want users to access all functions.
- A quick strategy to restrict a function from all users
 - ▶ Use the Customize Group Profiles function and customize the *PUBLIC group profile.
 - ▶ Every user is a member of this group.
 - ▶ You could "Deny" a function for all users to restrict access.
 - Important Note
 - Doing this would also restrict the administrator.
 - You should add an administration group or a specific user profile that would still have access so that you don't lock yourself out of the specific function you are setting the policy for.
 - ▶ You could then "Allow" specific users access to the function that was restricted.
 - ▶ Only users that have been allowed access will be able to use that function.

Notes: Controlling Access - Strategies

iSeries Access for Web ships with a set of default policy settings. The default policy settings allow most of the iSeries Access for Web functions to be available for all users. Without any customization, users accessing iSeries 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 iSeries 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 iSeries Access for Web function.

Controlling Access - Setting policies

- The customize functions provide an administrator with a list of user profiles they are authorized to customize.
 - ▶ This is the same list of users that would be returned using WRKUSRPRF.
- The administrator can perform the following actions
 - ▶ Edit To create/modify policy settings
 - ▶ Copy Copy policy settings to one or more profiles
 - ▶ Reset Removes all policy settings for the profile working with by resetting it to the shipped defaults
- Selecting the edit action displays a table of links organized by functional category.
- Selecting a link displays a table of policy settings.
- Each row in the policy table contains
 - ▶ The policy name
 - ▶ Where the setting is derived from
 - ▶ The available actions to perform
 - ▶ Its current setting

Controlling Access - Setting policies (continued)

- For each policy setting, there are at most 3 actions the administrator can perform.
 - ▶ Use current setting
 - ▶ Apply setting to profile
 - ▶ Reset to default
- Denying access to a function
 - ▶ Policies are grouped by function with subfunctions.
 - ▶ You can "deny" at the function level and it applies to all subfunctions in the hierarchy. You do not have to "deny" each subfunction.
- *PUBLIC group settings
 - ▶ Listed first in the group profile list.
 - ▶ Used to customize settings that will be used by all users.

Notes: 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 <u>specified user or group profile</u> .
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.

Administrator actions 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 iSeries 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 iSeries 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 iSeries group profiles.
Reset to default	Select this action to remove the setting from the user or group profile record in the iSeries 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.

Notes: 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.

Derived From	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 iSeries 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 iSeries group profile memberships. The setting is being derived from the *PUBLIC group settings. This is a special group profile available to iSeries 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 iSeries Access for Web users.
Shipped default	Indicates the setting is not specific to the profile being customized, no setting was found in any iSeries group profile memberships, or the special *PUBLIC group profile. The setting is being derived from a shipped default value.

Controlling Access - Example restricting *PUBLIC

- Example: Restricting access for all users
 - ▶ The following screen shots step through setting a policy for all users (*PUBLIC).
 - ▶ *PUBLIC
 - *PUBLIC is like a group profile.
 - *PUBLIC includes all user profiles/group profiles on the iSeries server.
 - ▶ This example restricts all users from the Database tab by hiding it from view.
 - ▶ The policy setting also applies to the administrator setting the policy.
 - ▶ When the policy is set, it takes effect immediately.

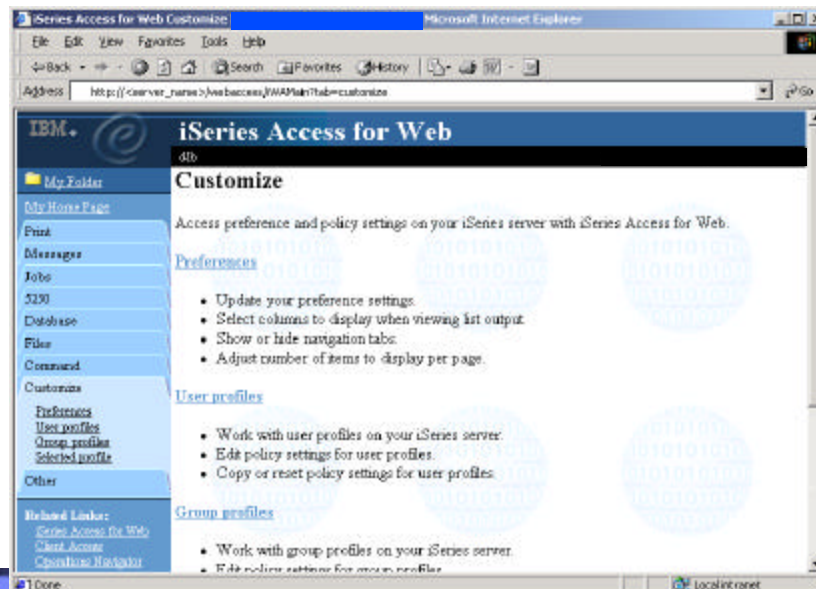
Controlling Access - Example restricting *PUBLIC (continued)

- Open browser to `http://<server_name>/webaccess/iWAMain`



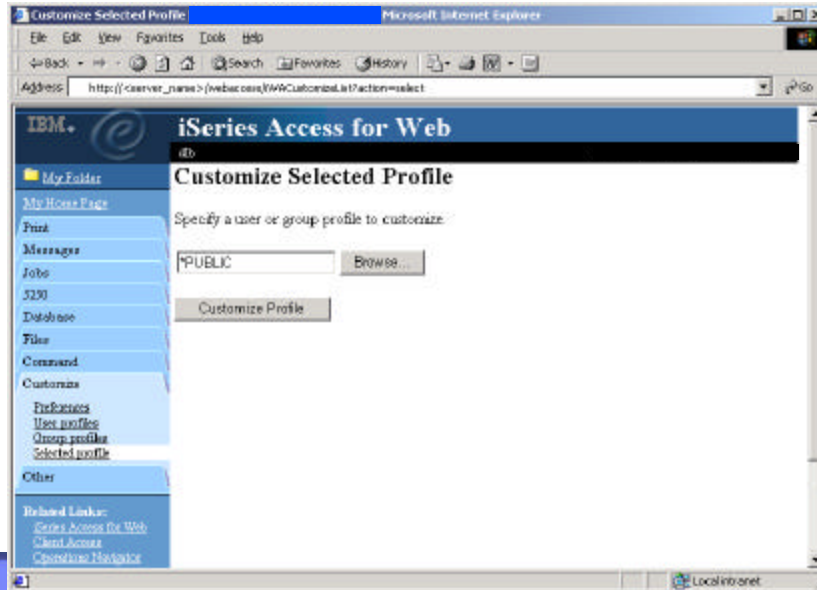
Controlling Access - Example restricting *PUBLIC (continued)

- Select Customize tab



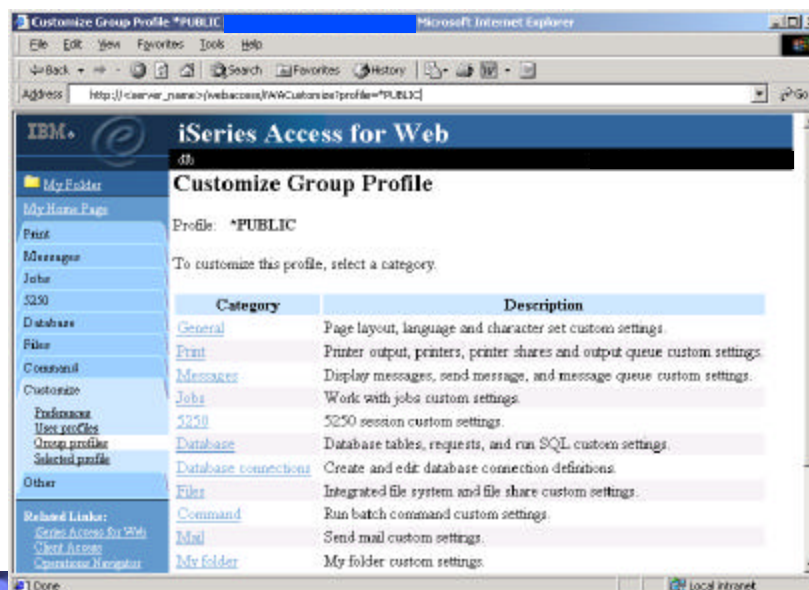
Controlling Access - Example restricting *PUBLIC (continued)

- Select "Selected profile" link
- Enter *PUBLIC in the field



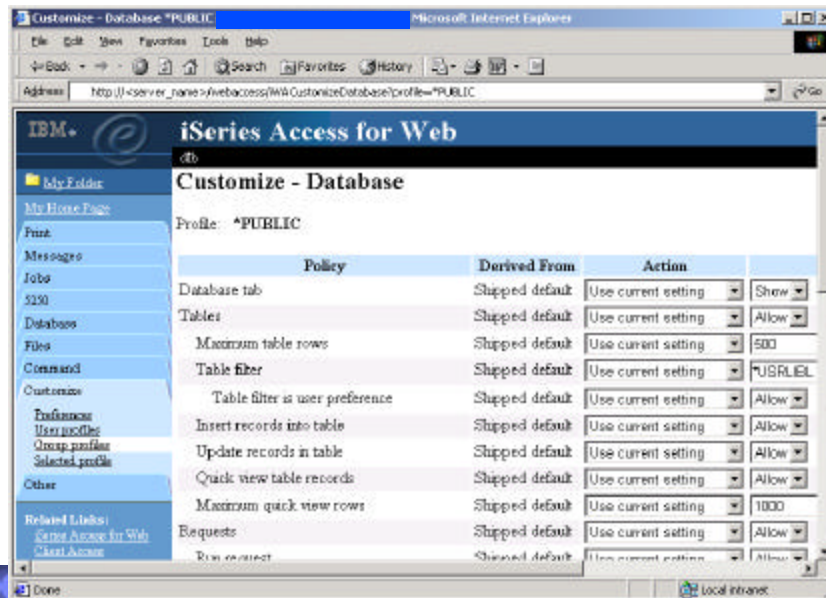
Controlling Access - Example restricting *PUBLIC (continued)

- Select "Customize profile" button



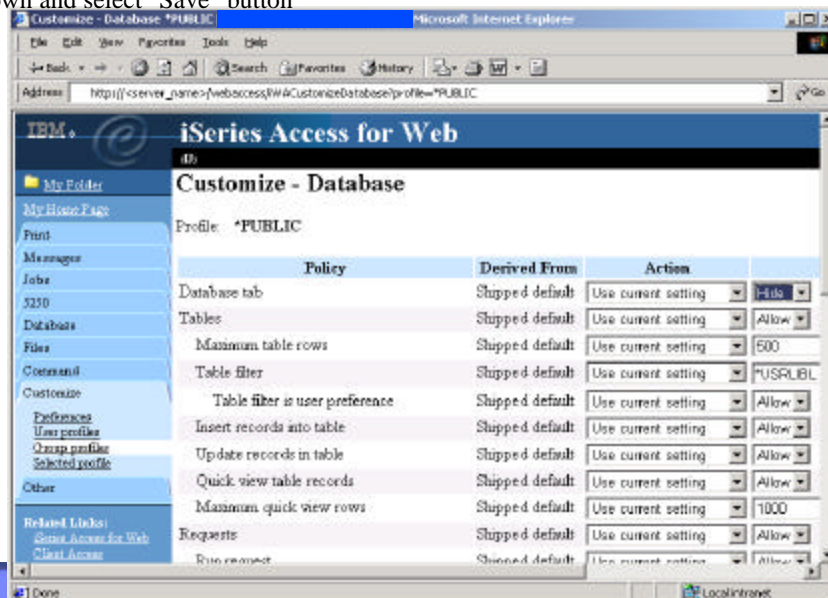
Controlling Access - Example restricting *PUBLIC (continued)

- Select "Database" link



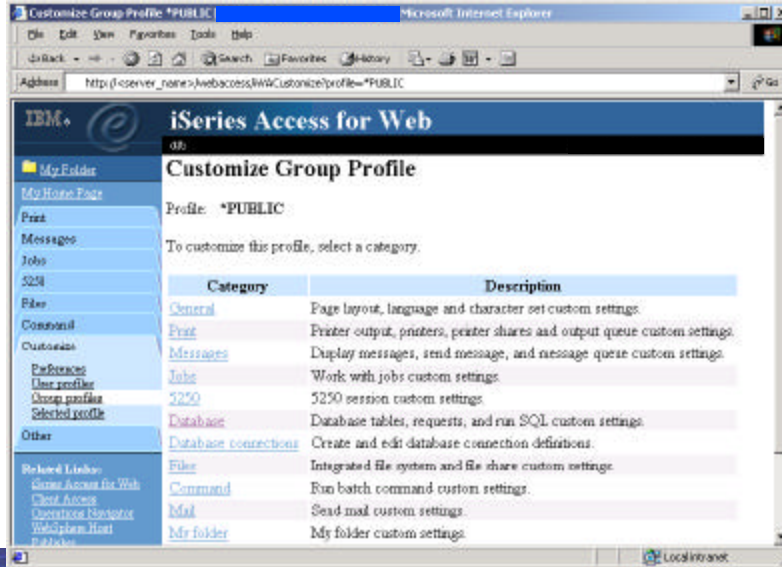
Controlling Access - Example restricting *PUBLIC (continued)

- Change the "Database tab" Setting from "Show" to "Hide"
- Scroll down and select "Save" button



Controlling Access - Example restricting *PUBLIC (continued)

- Note the Database tab is no longer displayed
- This change applies to all users



Controlling Access - Determining policy settings

- The following sequence of checks are made when a policy decision needs to be made for the iSeries Access for Web authenticated user:
 1. User profile.
 2. Group profile(s).
 3. Administrator-supplied user default (*PUBLIC profile - UserData policy file)
 4. IBM-supplied defaults (*PUBLIC profile - ProdData policy file)
- When editing policy or preference settings, the "Derived From" column indicates where in the above search order the policy was found.

Notes: Controlling Access - Determining policy settings

Below is a more detailed description of the sequence of checks made when a policy decision needs to be made for a logged on user

1. If the policy setting is specific to the user profile, it will be enforced.
2. If the policy setting is not specific to the user profile, group profiles that the user is a member of are checked. If the policy is set for any of these group profiles, it will be enforced.
3. If the policy setting is not found in any of the user's group profiles, a special group, *PUBLIC is checked. If the policy has been set in the *PUBLIC group profile, it will be enforced.
4. If the policy setting is not found in the user's profile, any group profiles, or the *PUBLIC group profile, the shipped default policy setting will be used.

Controlling Access - Determining policy settings (continued)

- From previous example: Database policy settings for user *PUBLIC
- "Derived From" column shows the "Database tab" policy comes from a Profile setting

The screenshot shows the 'Customize - Database' page in a Microsoft Internet Explorer browser window. The page title is 'iSeries Access for Web' and the URL is 'http://iSeries_nameo/webaccess/PW9CustomizeDatabase?profile=*PUBLIC'. The page content includes a navigation menu on the left and a table of policy settings.

Policy	Derived From	Action
Database tab	Profile setting	Use current setting Hide
Tables	Shipped default	Use current setting Allow
Maximum table rows	Shipped default	Use current setting 500
Table filter	Shipped default	Use current setting *USRJBL
Table filter is user preference	Shipped default	Use current setting Allow
Insert records into table	Shipped default	Use current setting Allow
Update records in table	Shipped default	Use current setting Allow
Quick view table records	Shipped default	Use current setting Allow
Maximum quick view rows	Shipped default	Use current setting 1000
Requests	Shipped default	Use current setting Allow
Print request	Shipped default	Use current setting Allow

Controlling Access - Determining policy settings (continued)

- From previous example: Database policy settings for user DLB
- "Derived From" column shows the "Database tab" policy comes from the *PUBLIC setting

The screenshot shows the 'Customize - Database' page for profile DLB. The page contains a table with the following data:

Policy	Derived From	Action
Database tab	*PUBLIC setting	Use current setting
Tables	Stipped default	Use current setting
Maximum table rows	Stipped default	Use current setting
Table filter	Stipped default	Use current setting
Table filter is user preferences	Stipped default	Use current setting
Insert records into table	Stipped default	Use current setting
Up-date records in table	Stipped default	Use current setting
Quick view table records	Stipped default	Use current setting
Maximum quick view rows	Stipped default	Use current setting
Requests	Stipped default	Use current setting
Print request	Stipped default	Use current setting

User Preferences:
Users can set their own Preferences

User Preferences

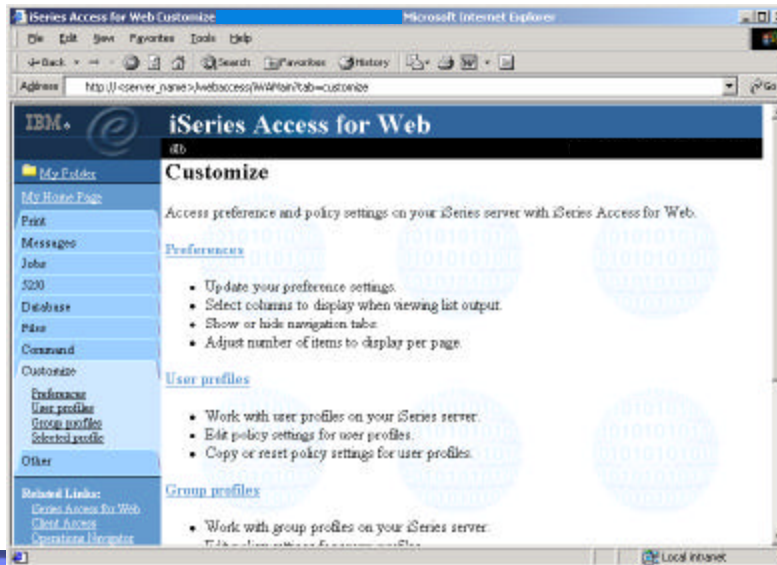
- The Preferences function allows users to customize iSeries Access for Web settings to meet their needs.
- By default, all users are allowed to modify their preferences.
- Preferences are a subset of the complete list of available policy settings.
- Users can set the following types of preferences
 - ▶ 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.

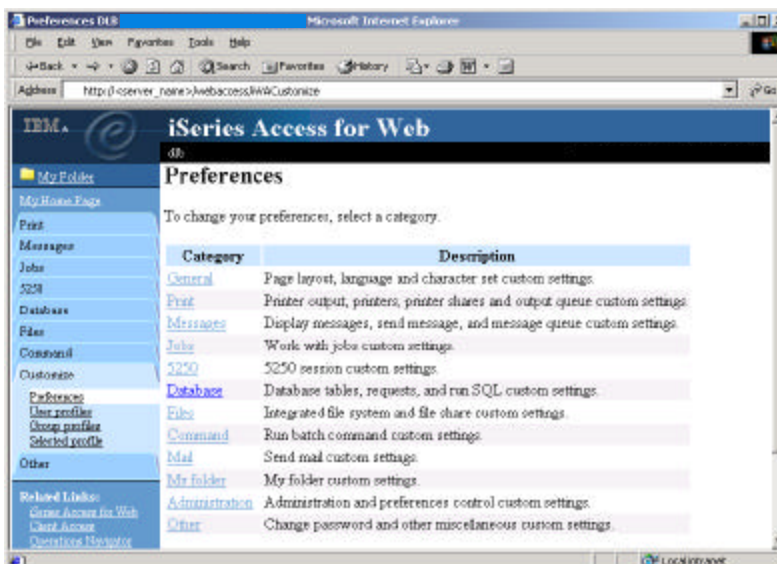
User Preferences (continued)

- Open browser to `http://<server_name>/webaccess/iWAMain`
- Select Customize tab



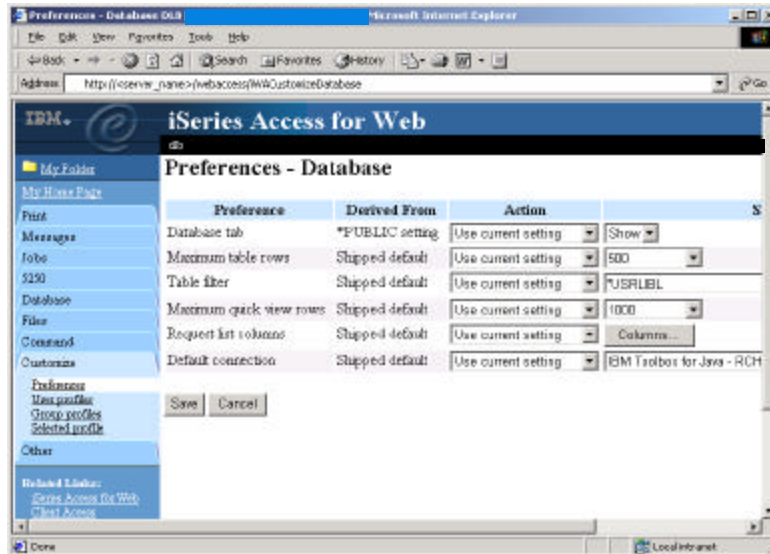
User Preferences (continued)

- Select Preferences



User Preferences (continued)

- Select Database link



Home Page Customization

Home Page Customization

- A default home page is displayed when iWAHome URL is invoked.
 - ▶ It's a starting point to highlight functions.
 - ▶ It's an example of how to build your own home page or pages that access iSeries Access for Web functionality.
 - V5R1 /QIBM/ProdData/Access/Web/html/homepage.html
 - V5R2 /QIBM/ProdData/Access/Web2/html/homepage.html
- 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.

Home Page Customization (continued)

- To change the default home page...
 - ▶ Make a copy of...
 - V5R1 /QIBM/ProdData/Access/Web/html/homepage.html
 - V5R2 /QIBM/ProdData/Access/Web2/html/homepage.html
 - ▶ Modify your copy of homepage.html.
 - ▶ Update the policy setting to point to your homepage.html.
 - ▶ Verify authorities to your copy of homepage.html and the path to it so it can be accessed.
 - ▶ You may also need to make additional updates so that images can be accessed (see notes).
- The home page HTML file can also contain special tags
 - ▶ %%include list=file%% Points to a file containing home page links
 - ▶ %%TITLE%% Replaced with title of the page
 - ▶ %%USER%% Replaced with authenticated user name
 - ▶ %%SYSTEM%% Replaced with name of iSeries
 - ▶ %%VERSION%% Replaced with version of iSeries Access for Web
 - ▶ See the default homepage.html file for examples of using these special tags.
- Refer to the Notes for detailed information on changing the default home page.
- Refer to the Redbook at <http://www.redbooks.ibm.com/redpieces/pdfs/sg246804.pdf>

Notes: Home Page Customization - An example

The information below will guide you through the steps necessary to replace the default home page for a specific user of iSeries Access for Web.

- It is assumed that
 - The HTTP server is configured and running.
 - WebSphere or ASF Tomcat is configured and running.
 - iSeries Access for Web is configured and running.
- Sign on to your server using a 5250 session.
- Run the following server commands:


```
CRTUSRPRF USRPRF(TEMPUSER) PASSWORD(TEMPUSER) TEXT(Temporary User)
MKDIR DIR(/QIBM/TempUser)
For V5R1:  CPY OBJ(/QIBM/ProdData/Access/Web/html/homepage.html) TODIR(/QIBM/TempUser)
For V5R2:  CPY OBJ(/QIBM/ProdData/Access/Web2/html/homepage.html) TODIR(/QIBM/TempUser)
WRKLNK OBJ(/QIBM/TempUser)
For WebSphere...
  Use option #9 on TempUser to verify *PUBLIC or QEJBSVR users has at least *RX authority.
  Use option #5 to display the contents of the TempUser directory, homepage.html should be listed.
  Use option #9 on homepage.html to verify *PUBLIC or QEJBSVR has at least *RX authority.
For ASF Tomcat
  Use option #9 on TempUser to verify *PUBLIC or QTMHHTTP users has at least *RX authority.
  Use option #5 to display the contents of the TempUser directory, homepage.html should be listed.
  Use option #9 on homepage.html to verify *PUBLIC or QTMHHTTP has at least *RX authority.
```
- Edit /QIBM/TempUser/homepage.html
 - Search for the text "iSeries Access for Web" and replace it with "TempUser Home Page".

Note regarding images

If you use a tool such as Netscape Composer to edit homepage.html or if you wish to add your own images to homepage.html, some additional steps are required to serve images.

(continued on next page)

Notes: Home Page Customization - An example (continued)

Note regarding images (continued)

The tool you use may issue a warning when you save the text changes mentioned in a previous step. The warning may indicate that images associated with the homepage.html page cannot be saved, and if you continue to save, the image won't be saved with the page.

The default homepage.html file serves images using lines such as

```
<br>
```

Your tool may remove the "/webaccess/iWALimages/images" part of the image line and the image will not be displayed in later steps. Or if you were to add a line like the following to add your own image

```
<br>
```

it would not be displayed without performing the following additional set up steps:

- Run the following server commands:
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
 - For WebSphere v4.0 Advanced Edition
 - QIWA2/ENDACCWEB2
 - QIWA2/STRACCWEB2
 - For WebSphere v4.0 Advanced Single Server Edition or ASF Tomcat
 - Restart WebSphere or ASF Tomcat server
 - For V5R1: CPY OBJ(/QIBM/ProdData/Access/Web/html/images) TODIR(/QIBM/TempUser) SUBTREE(*ALL)
 - For V5R2: CPY OBJ(/QIBM/ProdData/Access/Web2/html/images) TODIR(/QIBM/TempUser) SUBTREE(*ALL)

(continued on next page)

Notes: Home Page Customization - An example (continued)

Note regarding Images (continued)

- Copy your own image files to /QIBM/TempUser/images
- Update homepage.html image links

Edit homepage.html and prepend the location of images with "/mystuff/images/".

For example, change this: `:2001`
 - Select IBM HTTP Server for iSeries-->Configuration and Administration-->Configuration.
 - In the Configuration for server dropdown box, select your HTTP server.
 - Select Request Processing-->Request Routing.
 - You need to insert a request routing entry to the list. Be sure to insert this new entry before any entry that has a "URL" template that is currently set to "/"
 - For the Action field: PASS
 - For the URL template field: /mystuff/*
 - For the Replacement file path field: /QIBM/TempUser/*
 - Select the Apply button.

(continued on next page)

Notes: Home Page Customization - An example (continued)

Note regarding Images (continued)

- Select Administration-->Manage HTTP Servers
- Select your HTTP server, select the Stop button.
- Select the Refresh button until your server is listed as stopped.
- Enter -nolastmod in the Server startup parameters field and select the Start button.
- Update the V5R2 Apache HTTP server configuration
 - Open your browser to `http://<your_server>:2001`
 - Select IBM HTTP Server for iSeries-->Manage tab-->Select your server from the "Server" dropdown dialog
 - For the Server area, choose Global configuration.
 - Click Task and Wizards-->Serve New Directory wizard. Click the next button.
 - Choose Static web pages and files. Click the Next button.
 - In the Name field, enter the actual location of your image directory. Click the Next button.
 - In the Alias field, enter the path you use to access images from within your HTML file. Click the Next button.
 - Click the Finish button.
 - Click the OK button.
 - In the Server list, select All servers.
 - Click the Stop button.
 - Click the Refresh button until your server is listed as stopped.
 - Click the Start button.

Notes: Home Page Customization - special HTML tags

5. Open a browser to `http://<your_server>/webaccess/iWAMain`
 - Do not sign on with the TempUser profile, signon using an administrator level user profile.
 - Select the Customize tab.
 - Select the Selected Profile link.
 - Enter tempuser in the user profile field and select the Customize Profile button.
 - Select the General link.
 - For the Home page HTML file policy, enter "/QIBM/TempUser/homepage.html" in the setting field.
 - Select the OK button to apply the change.
 - Close the browser.
6. Open a browser to `http://<your_server>/webaccess/iWAHome`
 - Sign on with the tempuser user profile.
 - The iSeries Access for Web home page should be displayed with a title of TempUser Home Page.

The home page HTML file can contain a `%%include list=file%%` tag.

An example, `%%include list=/QIBM/ProdData/Access/Web/config/info.policies%%`, can be found in the homepage.html file.

This tag, found within a table definition, points to a file containing home page links to be included as link list items in a table. The list of items to include can be tailored for all users (*PUBLIC), groups of users, or individual users. This tag does not need to be present in a home page HTML file.

Other special tags that are also supported in the home page file are:

<code>%%TITLE%%</code>	- Replaced with title of the page
<code>%%USER%%</code>	- Replaced with the authenticated user name
<code>%%SYSTEM%%</code>	- Replaced with name of iSeries being accessed
<code>%%VERSION%%</code>	- Replaced with version of iSeries Access for Web that is installed

See the default homepage.html file examples of using these special tags.

Template file customization

- iSeries Access for Web has a default look for its functional pages.
 - ▶ This look is controlled by a template file.
 - ▶ `/QIBM/ProdData/Access/Web/html/webaccess.html`
- The template file has sections to specify
 - ▶ Header/footer areas of functional pages.
 - ▶ Where iSeries Access for Web content is placed in the page.
- Special HTML tags
 - ▶ `webaccess.html` supports the same special tags as `homepage.html`
 - ▶ `%%CONTENT%%` - Replaced with the functional content of 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.

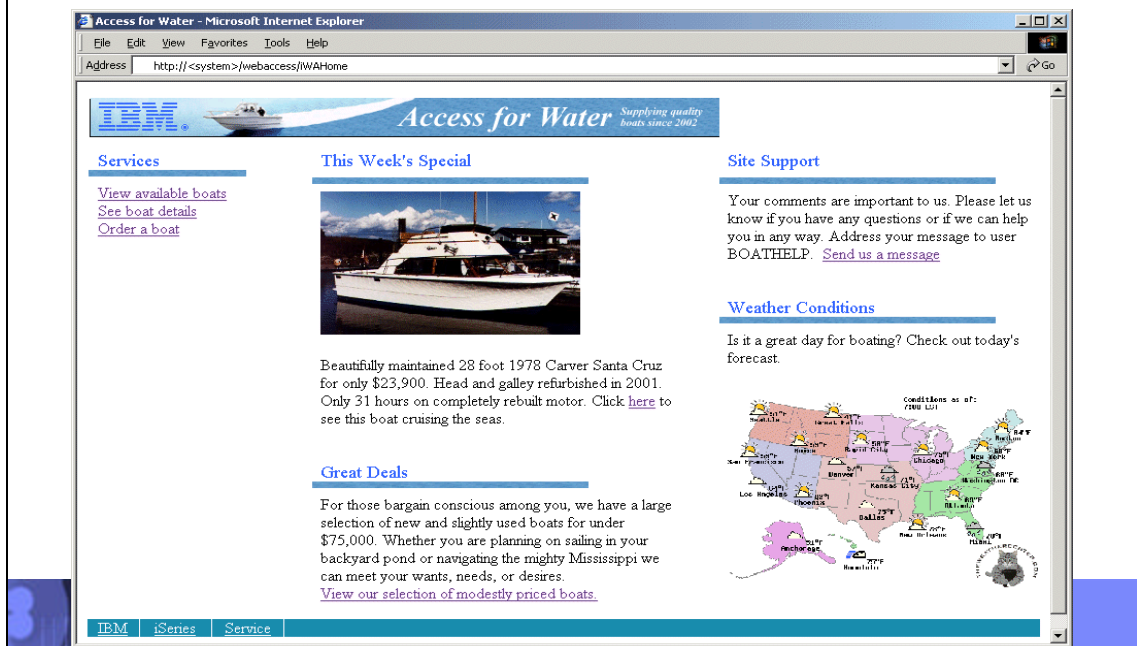
Home Page/Template Customization Example

- Default Home Page



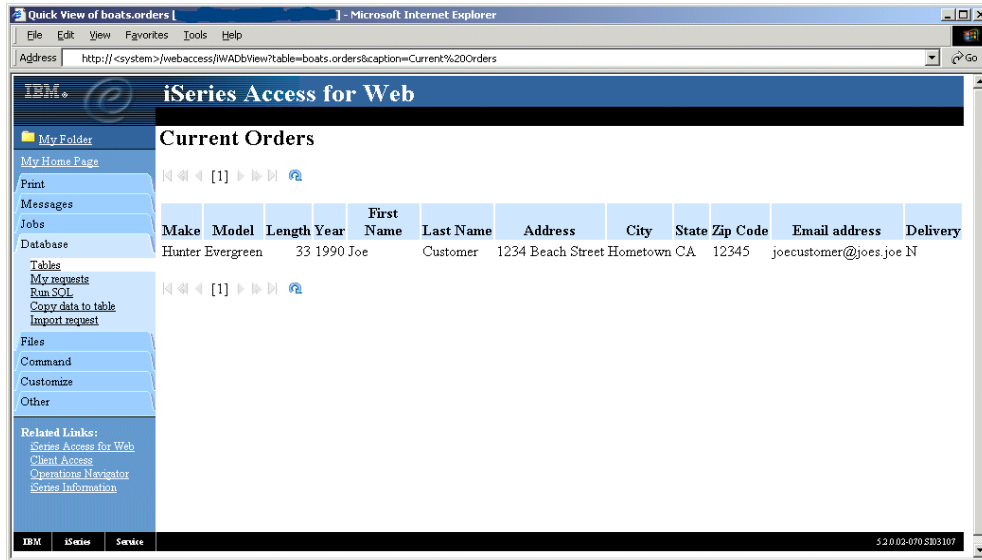
Home Page/Template Customization Example (continued)

- Custom Home Page



Home Page/Template Customization Example (continued)

- Default template



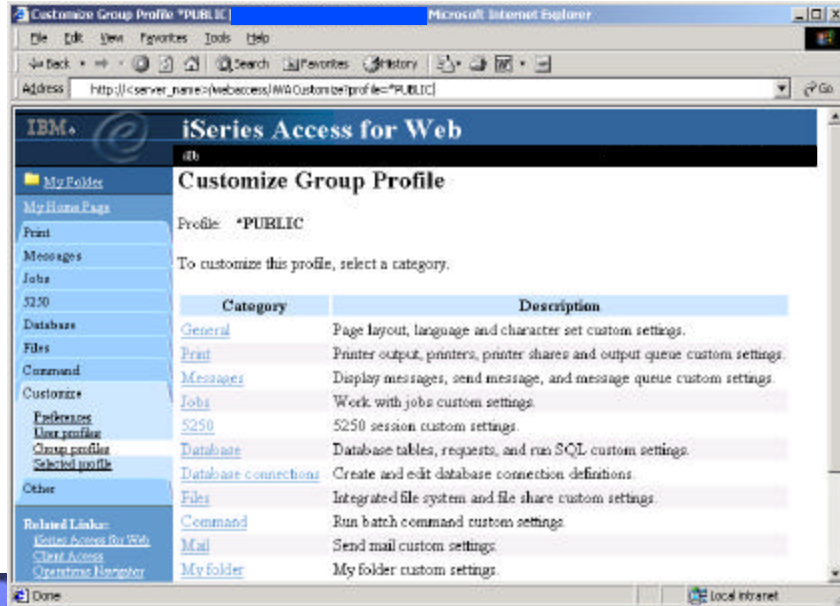
Home Page/Template Customization Example (continued)

- Custom template



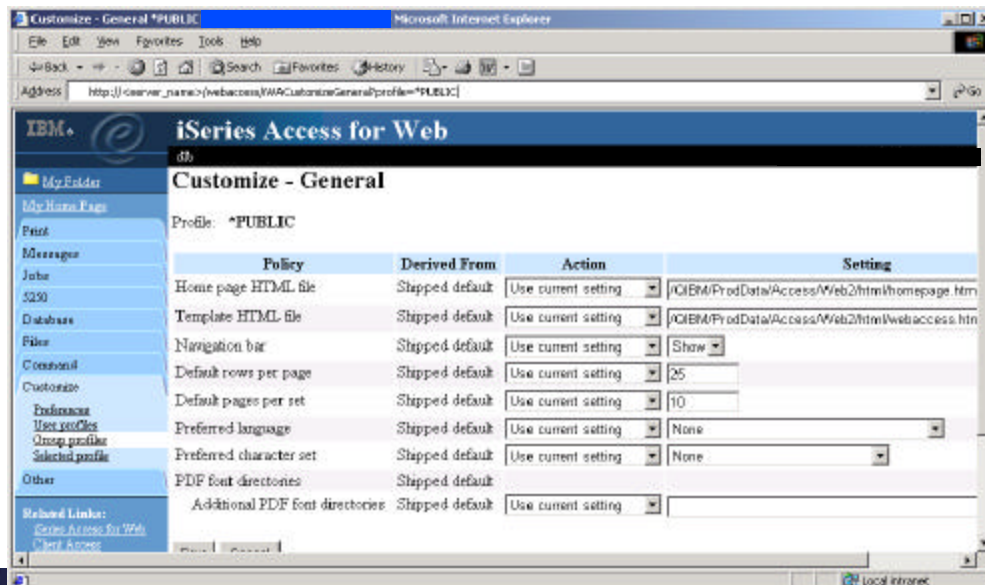
Home Page/Template are Customized where?

- Customize tab --> Selected Profile link --> *PUBLIC user, Select "Customize profile" button



Home Page/Template are Customized where? (continued)

- Select "General" link



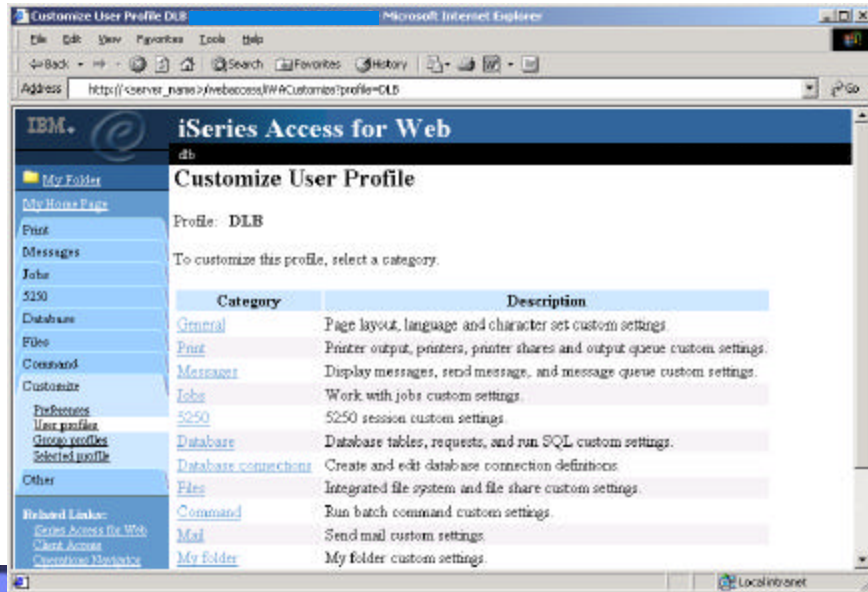
Differences between V5R1 and V5R2 iSeries Access for Web

New categories in V5R2 iSeries Access for Web

- New categories to customize...
 - ▶ Jobs Work with jobs custom settings
 - ▶ Mail Send e-mail custom settings
 - ▶ My Folder My folder custom settings
- iSeries Access for Web allows you to e-mail...
 - ▶ database query results, printer output PDFs, command completion notifications, etc.
 - ▶ E-mail notifications can also be sent when items are placed into personal folders.
- Using the Mail function...
 - ▶ Users must first have an email address configured for their user profile. The administrator may configure this or allow users to configure their own email address in the Mail settings.
 - ▶ The administrator must also specify the name of the SMTP mail server to be used by the user profile or group.
 - ▶ If the user has an SMTP user ID and SMTP domain defined in an iSeries directory entry, those values will be used, unless they are entered into the iSeries Access for Web configuration.
- Users may be restricted from using the Mail function using the Mail Preferences function.

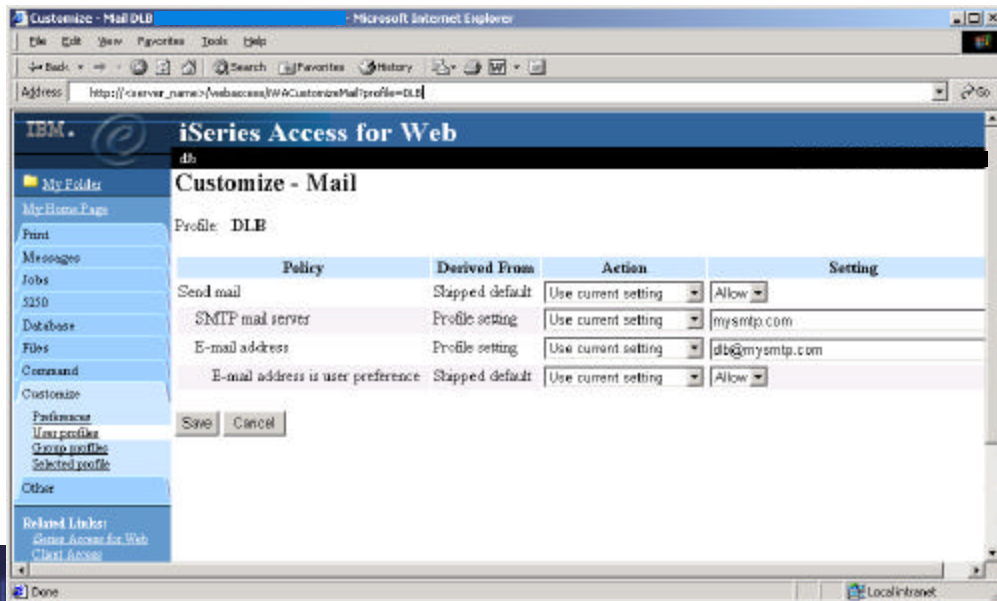
Setting iSeries Access for Web to use E-mail

- Customize a selected profile



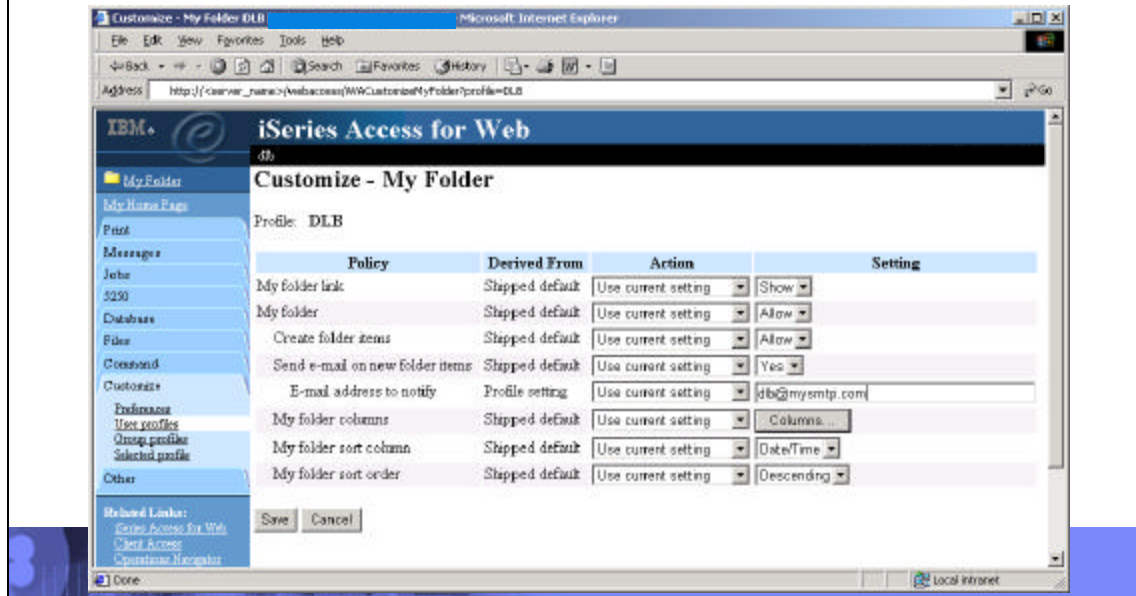
Setting iSeries Access for Web to use E-mail (continued)

- Select Mail link
- Enter SMTP mail server name, enter E-mail address



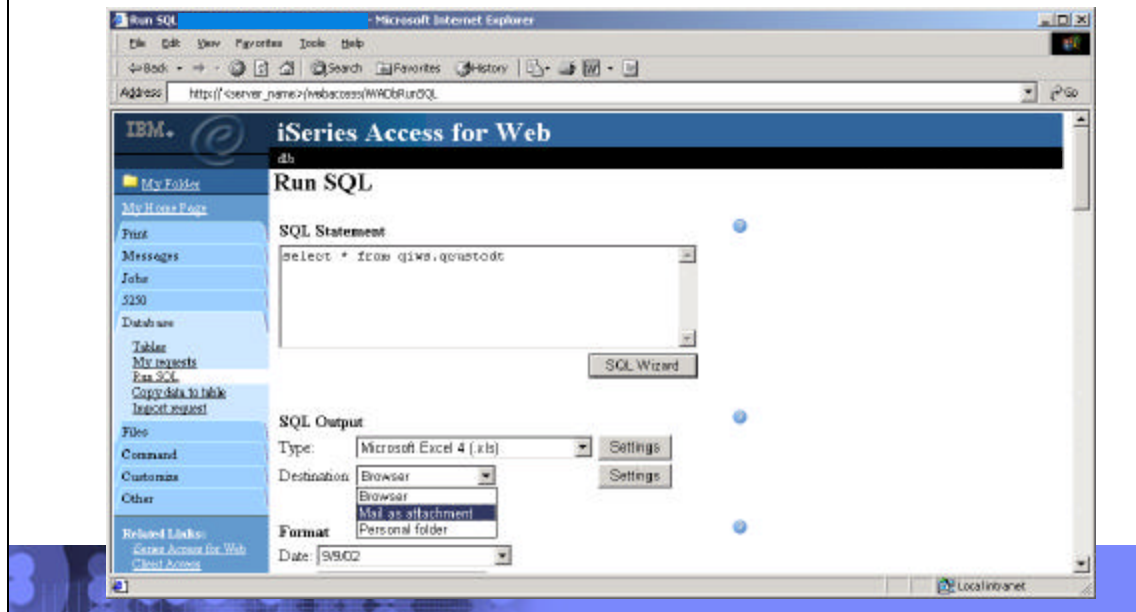
Setting iSeries Access for Web to use E-mail (continued)

- Select My Folder link from main Customize categories page
- To get notified when items are added to Personal folder, enable it and add e-mail address



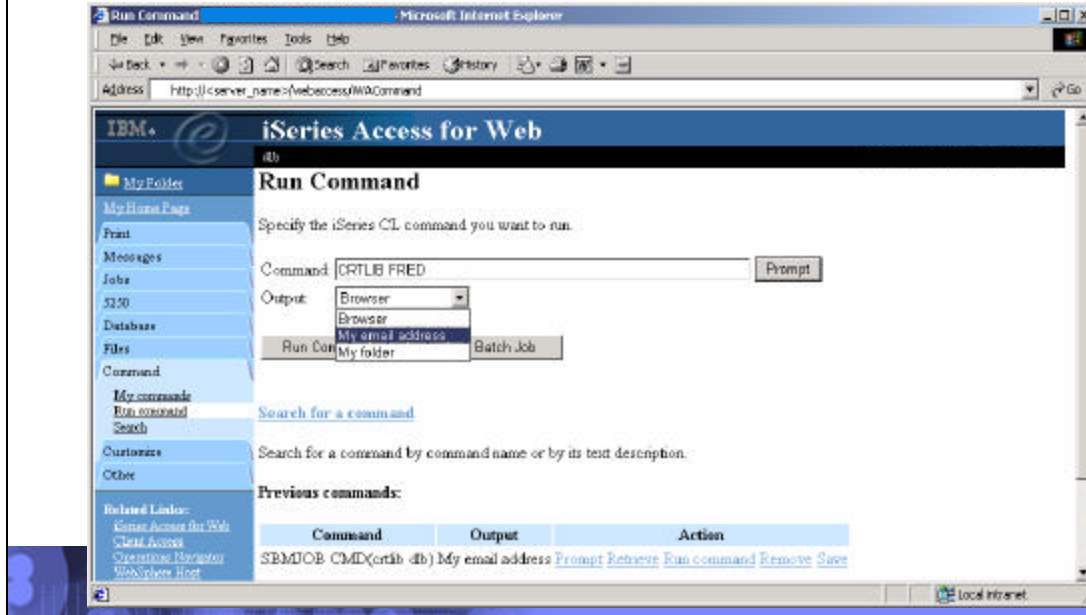
Using iSeries Access for Web and E-mail

- From the Database function, the Excel formatted result from the Run SQL function can be e-mailed when the query completes.



Using iSeries Access for Web and E-mail (continued)

- From the Command function, the output from the Run Command can be e-mailed when the query completes.



iSeries & WebSphere Resources & Deliverables

iSeries Information Center

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

iSeries site

www.iseries.ibm.com/

iSeries WebSphere Application Server

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

iSeries e-business Solutions

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

iSeries B2B Solutions

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

Connect for iSeries

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

WebSphere Commerce Suite for iSeries

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

iSeries and e-commerce

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

iSeries HTTP Server

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

Dedicated Server for Domino

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

iSeries & WebSphere Resources & Deliverables

WebSphere Commerce Suite With Back-End Order Mgmt.
<http://ibm.com/redbooks>

iSeries Technology Center
<http://www.iseries.ibm.com/service/itc/ebiz.htm>

iSeries University
<http://www-3.ibm.com/services/learning/community/as400/>

WebSphere Application Server Overview
<http://www-4.ibm.com/software/webservers/appserv/>

iSeries & WebSphere Documentation

Redbooks & Red Pieces	Form Numbers/Web Sites
Building iSeries Applications for WebSphere Advanced Edition	SG24-5691
Building Java Applications for the iSeries with VisualAge for Java	SG24-6245
Integrating WCS with Domino Back-End Applications	
http://ibm.com/redbooks (search for REDP0141)	

Java & WebSphere Performance on iSeries

- <http://publib-b.boulder.ibm.com/Redbooks.nsf/RedpieceAbstracts/sg246256.html?Open>
- iSeries Application Development Directions white paper is now available
<http://www.iseries.ibm.com/developer/tools/documents/addir/index.html>
- Connect for iSeries with WebSphere Commerce Suite Red Paper
<http://www.redbooks.ibm.com/redpapers/pdfs/redp0127.pdf>

Tools for Application Reface and Redesign

- <http://www.as400.ibm.com/developer/comm/pidtechpapers.html?Tools>
- Introduction to Enterprise JavaBeans for AS/400 SG24-5192-00
- Web enabling AS/400 Applications with WebSphere Studio SG24-5634-00
- Building AS/400 Applications with WebSphere Standard Edition 2.0 SG24-5635-00
- Building AS/400 C/S Apps with Java SG24-2152-02
- Building AS/400 Internet-based applications with Java SG24-5337-00

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