

Deep Dive Into System i Access for Web Session 2:

Configuration and Controlling Access

November 2008

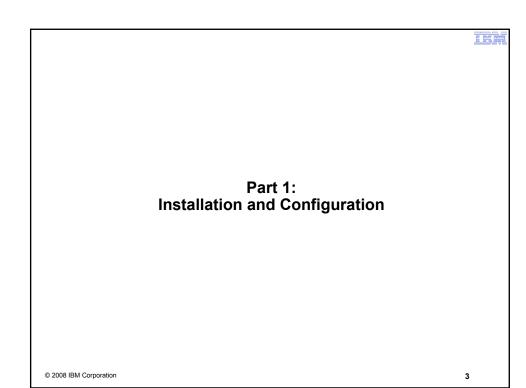
Linda Hirsch
LLHIRSCH@us.ibm.com
http://www.ibm.com/systems/i/software/access/web

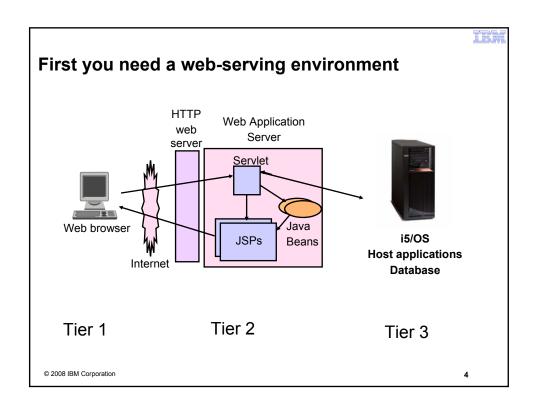
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Agenda

- Part 1: Installation and Configuration
 - Hardware and software requirements
 - Supported web serving environments
 - Configuration steps
- Part 2: Runtime Considerations
 - Use of policies
 - Customizing the home page/template files







Pieces of the web-serving environment

- HTTP Server (powered by Apache)
 - Front door for your system into your web serving environment
 - HTTP/HTTPS (SSL)
 - Listens for web requests on a specific TCP/IP port
 - Routes web requests between an end-user browser and a web application sever
- · Web application server
 - WebSphere Application Server
 - Integrated Web application server
 - Provides a java virtual machine environment where web applications run
- Web application
 - System i Access for Web
 - Provides specific function that users access using a web browser
 - Deployed/installed within a web application server
- WebSphere Portal/Workplace
 - Web application deployed to WebSphere Application Server
 - Provides environment in which portlets are deployed and run.

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Supported Web Application Servers

System i Access for Web servlet code can be used with any of the following web application servers:

System i Access for Web portlet code can be used with any of the following portal servers.

V6R1 System i Access for Web

- Integrated Web application server
- WebSphere® Application Server V6.1 and V6.0 Express for i5/OS
- WebSphere Application Server V6.1 and 6.0 Base and Network Deployment

V6R1 System i Access for Web

- WebSphere Portal for Multiplatforms V6.0
- WebSphere Portal for Multiplatforms V5.1.0.1

V5R4 System i Access for Web

- Integrated Web application server
- WebSphere® Application Server V6.1 and V6.0 Express for i5/OS
- WebSphere Application Server V6.1 and 6.0 Base and Network Deployment
- WebSphere Application Server V5.1 Express for iSeries
- WebSphere Application Server V5.0 Express
- WebSphere Application Server V5.1 and 5.0 Base and Network Deployment Editions
- ASF Tomcat

V5R4 System i Access for Web

- IBM Workplace Services Express V2.6 (V5R4 iSeries Access for Web)
- IBM Workplace Services Express V2.5
- WebSphere Portal for Multiplatforms V6.0
- WebSphere Portal for Multiplatforms V5.1.0.1
- WebSphere Portal Express for Multiplatforms V5.0.2
- WebSphere Portal Express Plus for Multiplatforms V5.0

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Performance...???

- Does running System i Access for Web affect performance?
 - Products like System i Access for Web don't put much load on i5/OS...
- How does the web application server affect performance?
 - If you have an older, under-powered System i, then performance may not be good...if you have a newer, bigger System i, then performance won't be an issue (unless you already are running your System i at maximum capacity).
 - Use the IBM Systems Workload Estimator to see what performance will be if WAS is added to your System i at: http://www-912.ibm.com/wle/EstimatorServlet
 - There is a Workload Estimator for WebFacing Workloads. System i Access for Web will be similar (depending on what functions of System i Access for Web are being used).
- Fine-tuning your web application server
 - If performance is not as good as expected, look in the WebSphere Information Center
 - http://publib.boulder.ibm.com/infocenter/wasinfo/v6r1/index.jsp?topic=/com.ibm.websphere.base.iseri es.doc/info/iseries/ae/welc6topinstalling.html

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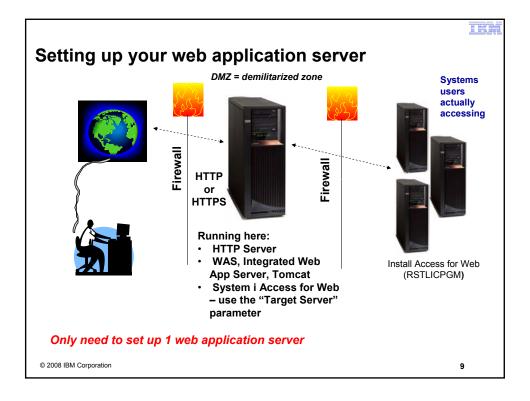
Performance Considerations...

Use the IBM Systems Workload Estimator at

http://www-912.ibm.com/wle/EstimatorServlet



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Port Requirements Comparison

System i Access for Windows (5722-XE1)* (5761-XE1)

- Port 449 for Port Mapper
- Port 8476 (9476) for Sign-on
- Port 8470 (9470) for Central
- Port 8472 (9472) for Data Queues
- Port 8471 (9471) for Database
- Port 8475 (9475) for Remote Commands
- Port 8473 (9493) for Print
- Port 2001 (2010) for Web Admin
- Port 446 (448) for DDM
- Port 23 (992) for Telnet
- · Port 137, 138 for NetServer
- Port 389 (636) for LDAP
- Port 5555 (5566) for Mgmt Central
- Port 53 if using DNS Server

System i Access for Web (5722-XH2) (5761-XH2)

- Port 80 (or any other port) for HTTP Server
- Port 443 (or any other port) for HTTPS Server

*See Information APAR II12227 for detailed information



Hardware/Software Requirements



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Client Browser Requirements

- These browsers have been tested with V6R1 System i Access for Web:
 - Firefox 2.0 (Windows® and Linux®)
 - Internet Explorer 6.0 with Service Pack 1 (Windows)
 - Internet Explorer 7.0 Windows)
 - Mozilla 1.7 (Windows, Linux, and AIX®)
 - Opera 9.2 (Windows and Linux)

- These browsers have been tested with V5R4 System i Access for Web:
 - Firefox 1.0.2 (Windows, Linux)
 - Internet Explorer 6.0 with Service Pack 1 (Windows)
 - Opera 7.54 (Windows, Linux)
 - Mozilla 1.7 (Windows, Linux, AIX)
 - Other browsers that support the current HTTP and HTML specifications should work, but have not been tested with System i Access for Web.
- Set browser to allow 'Cookies'
 - System i Access for Web requires that the web browser allow cookies. Set the cookie configuration option to allow cookies.



i5/OS Software Requirements

Product Number	Product Name	Option	\$
5722-SS1	V5R4 System i Access for Web: V5R3 or V5R4 i5/OS		w/HW
5761-SS1	V6R1 System i Access for Web: V5R4 or V6R1 i5/OS		
57xx-SS1	i5/OS - Extended Base Directory Support		N/C
57xx-SS1	i5/OS - AFP Compatibility Fonts		N/C
57xx-SS1	i5/OS - Host Servers		N/C
57xx-SS1	i5/OS QShell Interpreter		N/C
57xx-SS1	If you plan to use Secure Sockets Layer (SSL) i5/OS Digital Certificate Manager Cryptographic Service Provider		N/C N/C
57xx-DG1	IBM HTTP Server for iSeries		N/C
57xx-JV1	Developer Kit for Java	Base	N/C
	Developer Kit for Java Version 1.3	5	N/C
	Developer Kit for Java Version 1.4	6	N/C
	Developer Kit for Java Version 5.0 J2SE 5.0 32 bit	7	N/C
	(Check WebSphere doc for required version)	8	
57xx-JC1	Toolbox for Java	Base	N/C
57xx-TC1	TCP/IP Connectivity Utilities for iSeries		N/C

Note: xx = "22" for V5R4, "61" for V6R1

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i5/OS Software Requirements (continued)

Product Number	Product Name	Option	\$
57xx-XW1	System i Access Family	Base	\$
57xx-XH2	System i Access for Web Ships with 57xx-XW1 iSeries Access Family V5R4 System i Access for Web runs on i5/OS V5R3 and V5R4 V6R1 System i Access for Web runs on i5/OS V5R4 and V6R1	Base	part of XW1
5722-IP1	IBM Info Print Server (Optional — enables best PDF output but is not required to view PDF output)	Base	\$

Note: xx = "22" for V5R4, "61" for V6R1

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i5/OS Software Requirements (continued)

Product Number	Product Name	Option	\$
5733-W61 5733-W60 5722-E51 5733-W51 5722-IWE	One, or more, of the following web servers WebSphere Application Server V6.1 for i5/OS (all three editions) WebSphere Application Server V6.0 for OS/400 (all three editions) WebSphere Application Server V5.1 - Express for iSeries WebSphere Application Server V5.1 for iSeries (Base and ND) WebSphere Application Server V5.0 - Express for iSeries WebSphere Application Server V5.0 for iSeries (Base and ND)	See documentation	
57xx-DG1	integrated Web application server Apache Software Foundation Tomcat		
* * *	WebSphere Portal for iSeries (Express and Express Plus) V5.0.2.2 WebSphere Portal Enable for Multiplatforms V5.1.0.1 WebSphere Portal V6.0 IBM Workplace Services Express V2.5, V2.6		

Note: xx = "22" for V5R4, "61" for V6R1

Refer to the documentation for the individual web serving environments additional requirements that may not be listed above.

WebSphere
 http://www.ibm.com/systems/i/software/websphere/index.html/
 Portal V5.0.2.2
 http://publib.boulder.ibm.com/pvc/wp/502/smbi/en/InfoCenter/index.html
 Portal V5.1.0.1
 http://publib.boulder.ibm.com/infocenter/wp51help/index.jsp
 Portal V6.0
 http://publib.boulder.ibm.com/infocenter/wp60c/v6r0/index.jsp
 Workplace V2.5
 http://publib.boulder.ibm.com/infocenter/wseic/v2r5/index.jsp
 http://publib.boulder.ibm.com/infocenter/wseic/v2r6/index.jsp
 ASF Tomcat
 http://www.ibm.com/systems/i/software/http/index.html/

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System i Hardware Requirements

Models/Processor features/Memory

Refer to the web application server documentation to determine what server models, processor features, and the memory requirements are for your web serving environment

- WebSphere Application Server
 - http://www.ibm.com/systems/i/software/websphere/index.html/
- ASF Tomcat
 - http://www.ibm.com/systems/i/software/http/index.html/
- WebSphere Portal Express/Express Plus for iSeries V5.0.2.2
 - http://publib.boulder.ibm.com/pvc/wp/502/smbi/en/InfoCenter/index.html
 - WebSphere Portal V5.1.0.1
- http://publib.boulder.ibm.com/infocenter/wp51help/index.jsp
- WebSphere Portal V6.0
- http://publib.boulder.ibm.com/infocenter/wpdoc/v6r0/index.jsp
- Workplace Services Express V2.5
- http://publib.boulder.ibm.com/infocenter/wseic/v2r5/index.jsp
- Workplace Services Express V2.6
 - http://publib.boulder.ibm.com/infocenter/wseic/v2r6/index.jsp

Server disk space

Software product

470MB365MB

V5R4 System i Access for Web V6R1 System i Access for Web



System i Access for Web - Web Serving Environments Supported



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3 Options for setting up the Access for Web environment

- 1. Integrated Web application server
 - Simplest to set up
 - Preconfigured HTTP web server
 - User created instances



- 2. Express Runtime Web Environments
 - All components provided in a single package
 - Greatly simplifies the complexity of the environment
 - Most automated
 - Running web environment when installation completes
 - Desktop icon linking to the deployed web environment

3. Step by Step

- Greatest flexibility
- Choice of WebSphere Application Server version
- May already have components on your system

1. Integrated Web Application Server

- Simplest to set up
- Preconfigured HTTP web server
- User created instances



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What is it, does System i Access for Web support it?

- What is the i5/OS integrated Web application server?
 - A web application engine much like ASF Tomcat
 - Uses minimal system resources, similar to ASF Tomcat
 - Minimal effort by an Administrator to maintain
 - Administrative instance with preconfigured HTTP web server
 - User created instances
 - V5R4 is the last release i5/OS will contain ASF Tomcat

- How is it packaged?
 - With i5/OS
 - 57xx-DG1 IBM HTTP Server for i5/OS
 - Available in PTF package/group
 - V6R1 GA Cumulative PTF package
 - V5R4 SF99114 latest available level
 - V5R3 SF99099 latest available level
- System i Access for Web support
 - V5R4 System i Access for Web supports only the Administrative instance
 - V6R1 System i Access for Web supports
 - · Administrative instance
 - · User created instances



To use System i Access for Web in this environment

Administrative instance and preconfigured HTTP web server

- 1. Stop the Web Administration for i5/OS
 - ENDTCPSVR SERVER(*HTTP) HTTPSVR(ADMIN)
- 2. Load/apply latest PTFs (review cover letters for any additional information)
 - V6R1 GA cumulative PTF package
 - V5R4 SF99114 group for product 5722-DG1
 - V5R3 SF99099 group for product 5722-DG1
- Load/apply latest System i Access for Web PTF
 - V6R1 SI29664 or later
 - V5R4 SI29607 or later
- 4. Configure System i Access for Web
 - OSH
 - cd /QIBM/ProdData/Access/Web2/install
 - cfgaccweb2 –appsvrtype *INTAPPSVR
- Start the Web Administration for i5/OS
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
- 6. Start preconfigured HTTP web server
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(IWADFT)
- 7. Open a browser to System i Access for Web using preconfigured HTTP port
 - http://>system_name>:2020/webaccess/iWAMain
- 8. Done!

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To use System i Access for Web in this environment

<u>User-created instance and HTTP web server</u> (requires use of V6R1 System i Access for Web on V5R4 or V6R1 i5/OS)

- 1. Load/apply latest PTFs (review cover letters for any additional information)
 - V6R1 GA cumulative PTF package
 - V5R4 SF99114 group for product 5722-DG1
- 2. Load/apply latest V6R1 System i Access for Web PTF
 - V6R1 SI29664 or later
- 3. Start the Web Administration for i5/OS
 - STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
- Use the Web Administration for i5/OS wizard to create an instance of the integrated Web application server and an HTTP web server.
 - http://<system_name>:2001/HTTPAdmin
- 5. Configure System i Access for Web
 - OSH
 - cd /QIBM/ProdData/Access/Web2/install
 - cfgaccweb2 –appsvrtype *INTAPPSVR –instance <instance_name>
- Start integrated Web application server and HTTP web server using the Web Administration for i5/OS interface.
 - http://<system_name>:2001/HTTPAdmin
- 7. Open a browser to System i Access for Web using HTTP port you specified
 - http://>system_name>:<port>/webaccess/iWAMain
- 8. Done!
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Integrated Web application server

Questions regarding the integrated Web application server option?



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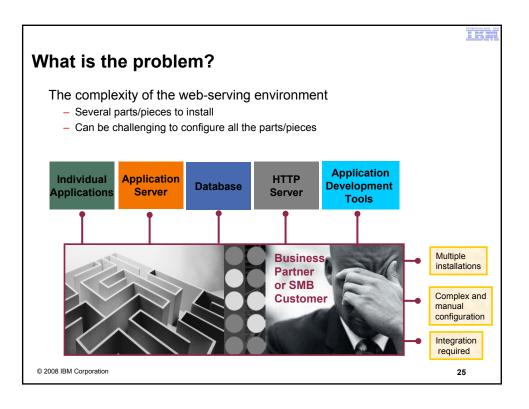
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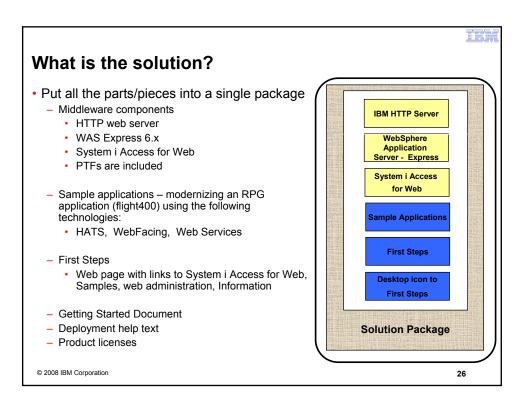
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2. Web Enable Feature – Express Runtime Environment



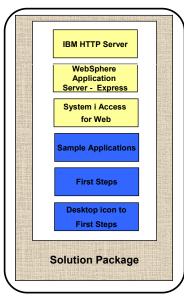
- All components provided in a single package
- Greatly simplifies the complexity of the environment
- Most automated
- Running web environment when installation completes
- Desktop icon linking to the deployed web environment





What is the solution? (continued)

- Make the package easily deployable
 - Easy to use wizard run from Windows workstation
 - Middleware is uploaded, installed/configured
 - System i Access for Web is set up
 - Sample applications are set up
 - FirstSteps webpage is deployed
 - Web-serving environment is ready for immediate use
 - Desktop icon to FirstSteps web page



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Target Audience

- i5/OS customers and partners
 - Anyone wanting/needing a simple way to setup web-serving on their i5/OS
- Users of the following:
 - System i Access for Web end user web browser access to i5/OS resources
 - WDHT / HATS / WebFacing applications
 - J2EE web applications (JSF, JSP, servlets, EJBs, etc)
 - SOA applications (web services, including RPG/COBOL integration)
 - Demo of an application modernized using SOA, HATs and WebFacing
- Partners
 - Modify a similar solution to include their applications
 - · Obtain SAT and source from PartnerWorld
 - · Rebuild solution to include their application

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Packaging/Ordering

Express Runtime Web Environments 5722-WE2 5761-WE2

Can also be ordered separately

- No-charge feature of 5722-WE2 Web Enablement for i5/OS
 - · Order feature 5905 for CDs
 - Order feature 5906 for a DVD

- V5R4 i5/OS
 - 5722-WE2 V1R1M0 = WAS 6.0.2.9 & V5R4 System i Access for Web
 - 5722-WE2 V1R2M0 = WAS 6.1.0.11 & V5R4 System i Access for Web
- V6R1 i5/OS
 - 5761-WE2 V1R1M0 = WAS 6.1.0.11 & V6R1 System i Access for Web
- Ships with all i5/OS orders
 - V5R4 ships CDs, DVD is orderable
 - V6R1 ships DVDs
 - · All media contained in a single shrink wrapped package
- Packaged along with WebSphere Application Server Express product CDs
 - · Label on package identifies the two products and their purposes
 - · Products identified on media labels
 - · Look for DVD labeled: Express Runtime Web Environments V1R1, contains everything you need

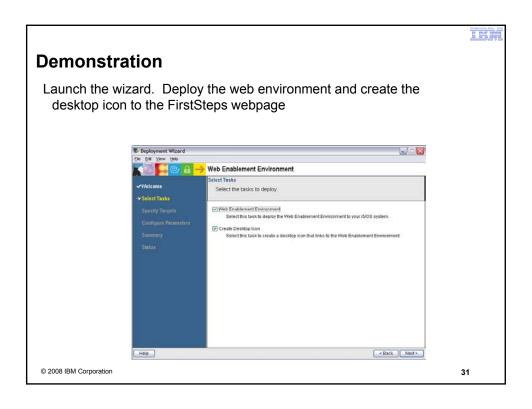
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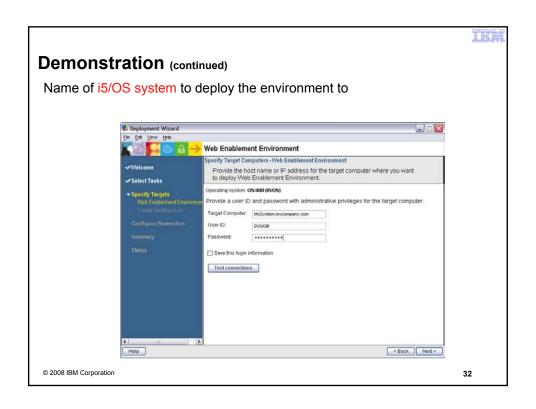


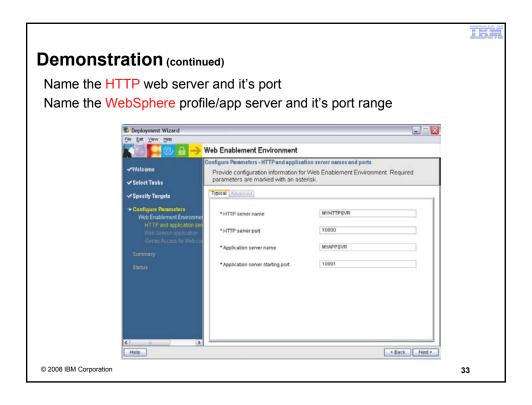
Installation/Setup Process

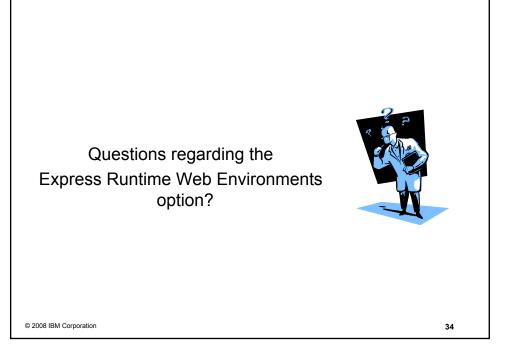
- Read the ReadMe packaged with the product
 - Verify requirements for Windows workstation and i5/OS system
- From a Windows workstation, launch the deployment wizard
 - Provide credentials
 - Specify i5/OS system to deploy
 - Name the HTTP web server, WebSphere profile/application server, ports
 - Optionally a backend i5/OS for System i Access for Web to connect
- Deployment wizard runs
 - Pushing middleware from workstation/media to the i5/OS system
 - Installs/configures middleware
 - Install/configures System i Access for Web, sample applications, FirstSteps web page
 - Creates desktop icon on Windows workstation

- Deployment wizard complete
 - Click desktop icon named Web_Enablement_Environment_V5R4M0 or Web_Enablement_Environment_V6R1M0
 - FirstSteps webpage provides links to web environment, System i Access for Web, sample applications
 - Administrator can then distribute web browser URL to users
 - GO LICPGM will list
 - 5733-SO1 Base Express Runtime Web Environments
 - 5733-SO1 1 Web Enablement Environment









Hi,



3. Step by Step



- Greatest flexibility
- Choice of WebSphere Application Server version
- May already have components on your system

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Formula for successful setup and configuration

You need to do the following in this order:

- 1. Decide what web application server environment to run
- Install System i Access for Web on your i5/OS system
- 3. Verify, load, apply any additional PTFs
 - Cumulative PTF package
 - WebSphere, HTTP web server for i5/OS, integrated Web application server
 - System i Access for Web
- 4. Setup web-serving environment
- 5. Configure System i Access for Web
- 6. Verify the installation and configuration

Information resources:

- These steps are detailed in System i Access for Web InfoCenter information
- Examples at http://www.ibm.com/systems/i/softwar e/access/web/doc.html

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Decide what web application server environment to run





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TEX.

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Which web application server environment?

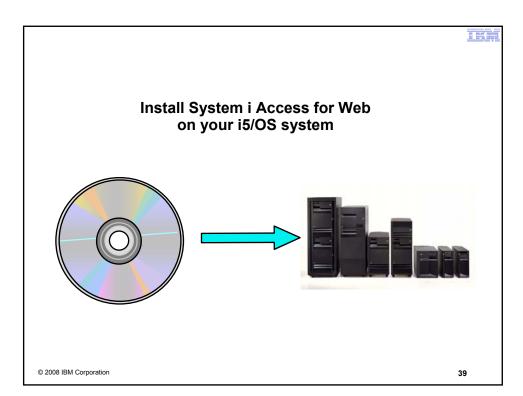
System i Access for Web can be deployed to a variety of web serving environments.

- Servlets

- · Integrated Web application server
- WebSphere Application Server V6.1 for i5/OS (Express, Base, Network Deployment)
- WebSphere Application Server V6.0 for OS/400 (Express, Base, Network Deployment)
- WebSphere Application Server V5.1 Express for iSeries
- WebSphere Application Server V5.1 for iSeries (Base and Network Deployment)
- · WebSphere Application Server V5.0 Express for iSeries
- WebSphere Application Server V5.0 for iSeries (Base and Network Deployment)
- ASF Tomcat
 - ASF Tomcat is delivered within the IBM HTTP Server for i5/OS product (5722-DG1)
 - V5R4 i5/OS is last release for ASF Tomcat on i5/OS

- Portlets

- IBM WebSphere Portal Express/Express Plus for Multiplatforms V5.0.2.2
- IBM WebSphere Portal Enable for Multiplatforms V5.1.0.1
- IBM WebSphere Portal V6.0
- IBM Workplace Services Express V2.5, V2.6



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Install System i Access for Web on your i5/OS system

Installing System i Access for Web

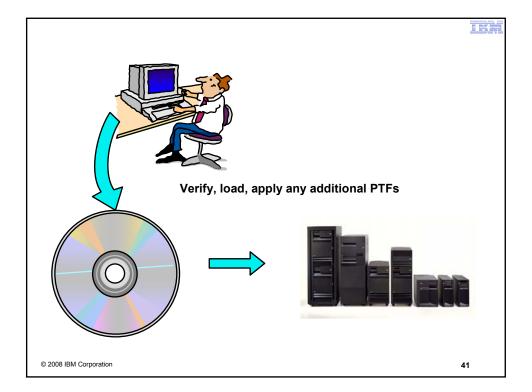
- Use the RSTLICPGM command to restore (install) the licensed program
- RSTLICPGM LICPGM(5722XH2) DEV(OPT01) OPTION(*BASE) V5R4 version
- RSTLICPGM LICPGM(5761XH2) DEV(OPT01) OPTION(*BASE) V6R1 version

The restore will...

- Create library QIWA2 and objects in QIWA2
- Create file system directories
 - · /QIBM/ProdData/Access/Web2/...
 - /QIBM/UserData/Access/Web2/...
- Set basic ownership/authorities for library and file system objects

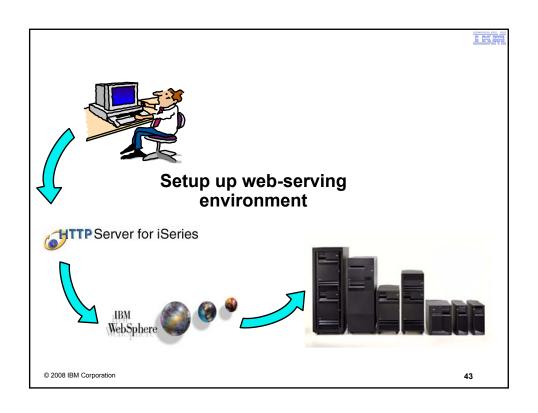
The restore will not...

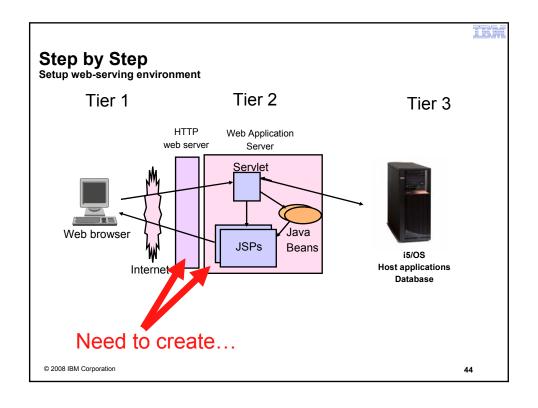
- Make any changes to HTTP web server configurations
- Make any changes to web application server configurations
- Enable use of System i Access for Web



Verify, load, apply any additional PTFs

- Each component of the web application serving environment has PTFs
 - 1. WebSphere Application Server
 - http://www.ibm.com/systems/i/software/websphere/index.html
 - 2. Integrated Web application server
 - · http://www.ibm.com/systems/i/software/http/index.html
 - 3. i5/OS Cumulative PTF package
 - 4. HTTP web server
 - http://www.ibm.com/systems/i/software/http/index.html
 - 5. WebSphere Portal/Workplace Services Express
 - Refer to the Portal and Workplace Information Center documentation
 - 6. System i Access for Web
 - http://www.ibm.com/systems/i/software/access/web/servicepacks.html
- PTFs for the above components should be verified and updated as needed







Notes: Set up web-serving environment

- HTTP web server
 - Front door for into your web serving environment
 - HTTP/HTTPS (SSL)
 - Listens for web requests on a specific TCP/IP port
 - An HTTP server is configured to "talk" to a specific web application server
 - Routes web requests between and end-user browser and a web application sever
- WebSphere web application server (WAS)
 - Profiles (instances) are created containing a web application server
 - The web application server provides an environment for the deployment and management of web applications
 - Many different WAS versions can be installed and coexist on an i5/OS system
 - All web applications running within a web application server share the same name space.
 - You could create multiple profiles (instances) on a single i5/OS for the following reasons:
 - To create separate development environments for different developers. This allows them to have different versions of the same objects in their own name space.
 - · To create separate development and test environments

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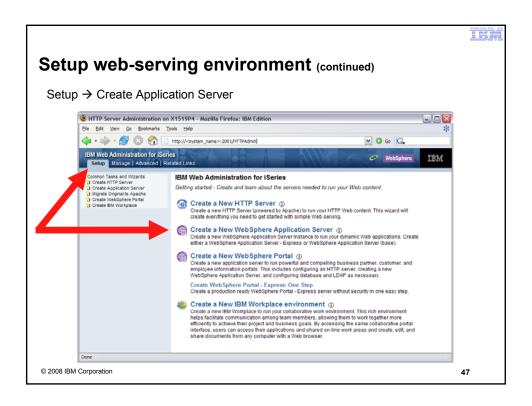


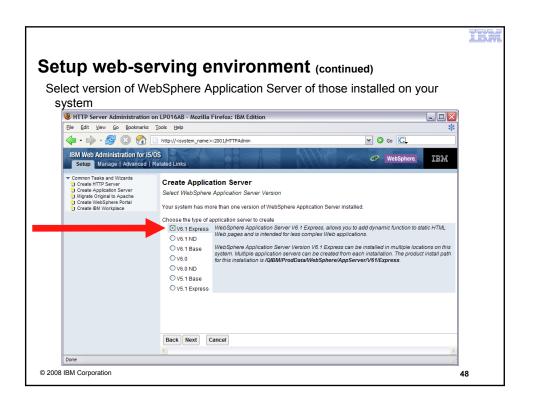
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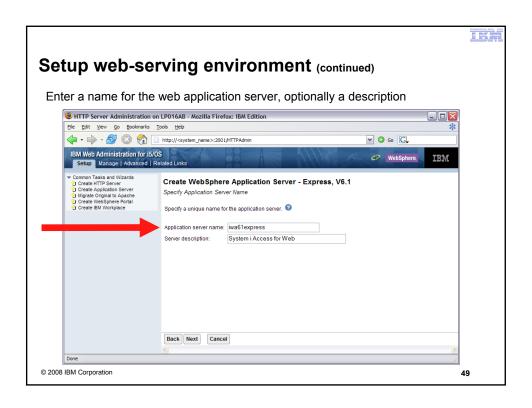
Setup web-serving environment

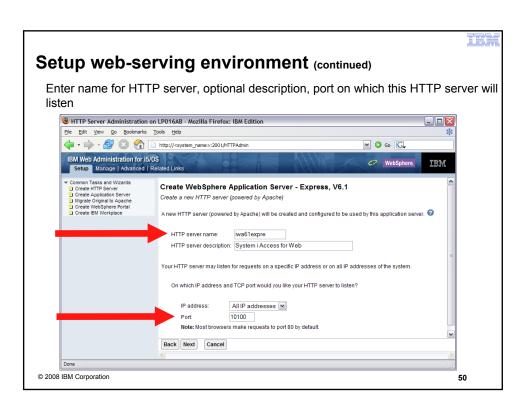
Use IBM Web Administration for i5/OS

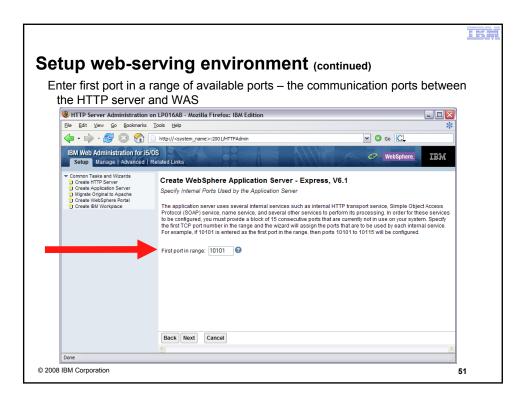
- Easy to use wizard that prompts for required information and does all the work
- STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
- http://<system_name>:2001/HTTPAdmin

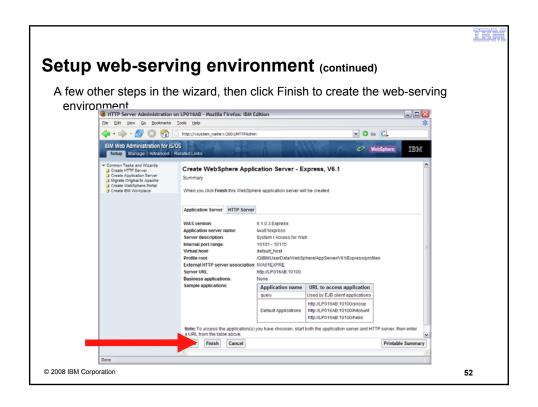


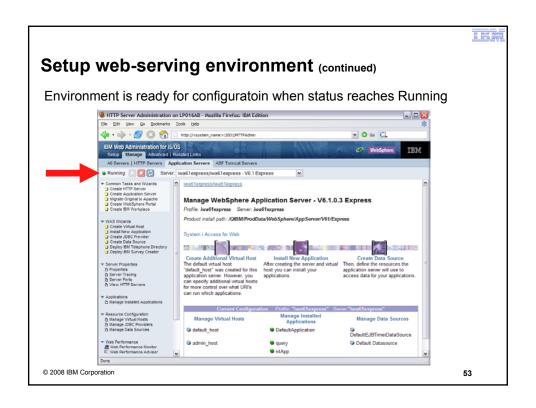


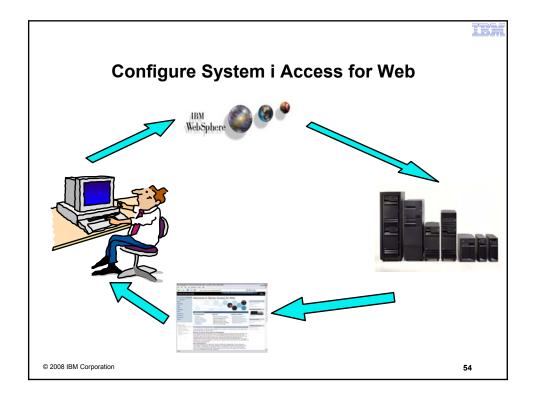














Configure System i Access for Web

System i Access for Web must be deployed (configured) to a running web application server

System i Access for Web provides CL and QShell commands

- CL commands QIWA2 library
 - · CFGACCWEB2 Configure System i Access for Web
 - · STRACCWEB2 Start System i Access for Web
 - · ENDACCWEB2 End System i Access for Web
 - RMVACCWEB2 Remove System i Access for Web
- QShell /QIBM/ProdData/Access/Web2/install
 - · cfgaccweb2 Configure System i Access for Web
 - straccweb2 Start System i Access for Web
 - · endaccweb2 End System i Access for Web
 - rmvaccweb2 Remove System i Access for Web

Commands are provided to...

- Ease the complexity of deploying a web application
- · Check dependencies
- Invoke appropriate WebSphere tool to deploy a web application
- Perform additional required setup
- /QIBM/UserData/Access/Web2/ ... structure
- Allows for PTFs that make use of the normal i5/OS PTF tools

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Configure System i Access for Web (continued)

Use available documentation →

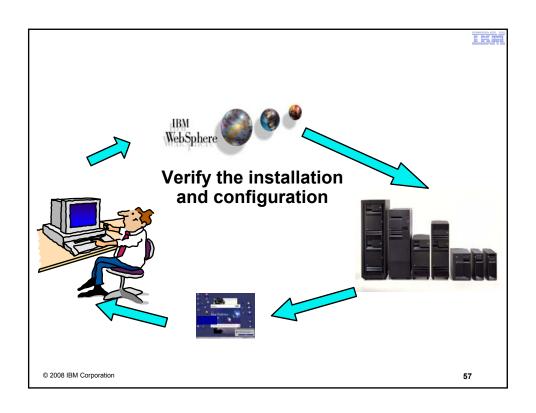
- System i Access for Web Information Center
 - Place to start to get System i Access for Web installed and running

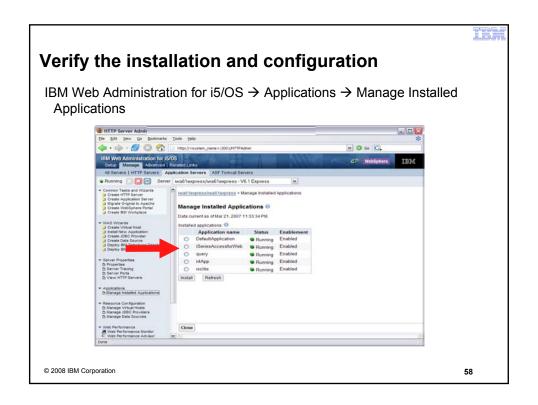
When the commands are run →

- The WebSphere web application server must be running before running the CFGACCWEB2 or RMVACCWEB2 commands
- The WebSphere web application server will need to be restarted after the CFGACCWEB2 or RMVACCWEB2 commands
 - No updates are made to the HTTP web server configuration.

Notes

- Do not use the web administration interface or WebSphere Admin console to configure (deploy) or remove System i Access for Web
- Do not attempt to migrate a WebSphere environment to another WebSphere environment when System i Access for Web is configured







When things do not work

- Verify the HTTP web server is running
- Verify the WebSphere web application server was restarted after running CFGACCWEB2
- Verify the WebSphere web application server is running
- Verify you have the latest group PTFs for the HTTP web server and WebSphere Application Server.
- Verify that System i Access for Web is listed as an installed application in the WebSphere application server (via the IBM Web Administration for i5/OS interface)
- Look at System i Access for Web logs

High level translated log	/QIBM/UserData/Access/Web2/logs/cmds.log
Low level untranslated log	/QIBM/UserData/Access/Web2/logs/cmdstrace.log
Logs for specific WAS servers. Note: some logs may be EBCDIC requiring use of WRKLNK i5/OS command to view them	/QIBM/UserData/Access/Web2/logs/ <appsvrtype>/<wa sprf>/<appsvr>/logs/*</appsvr></wa </appsvrtype>

 Next, if needed, the doc will lead you to the WebSphere Application Server or Portal logs

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Part 2: 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.

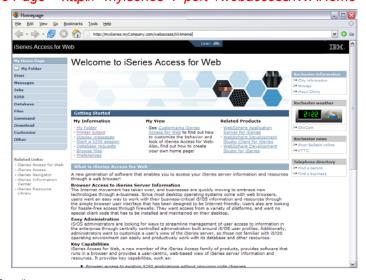
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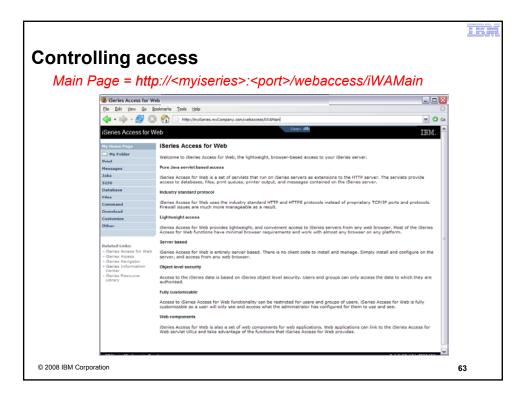


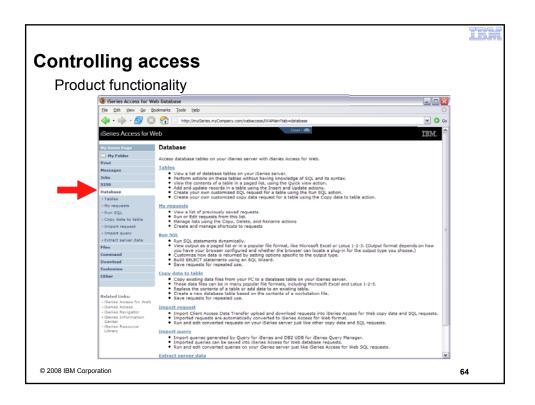
62

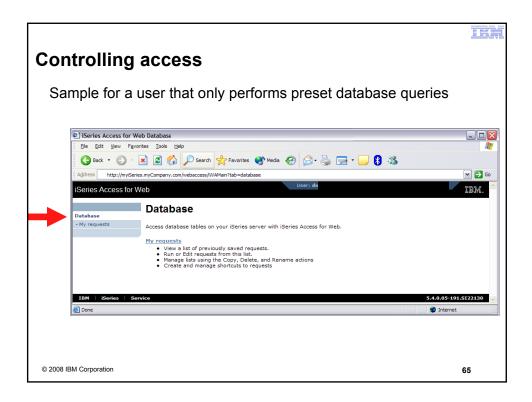
Controlling access

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













Controlling User Access



- ·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

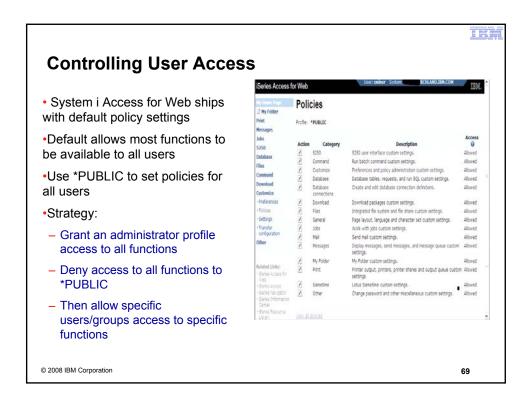
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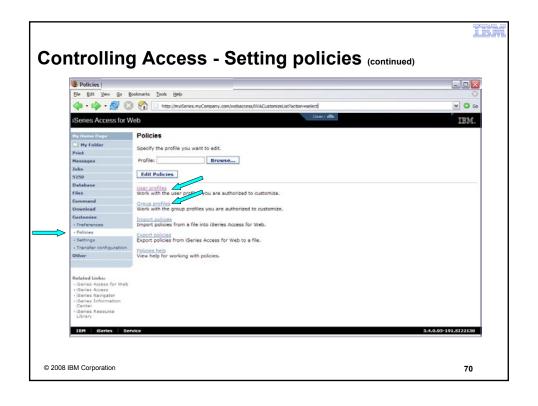
67

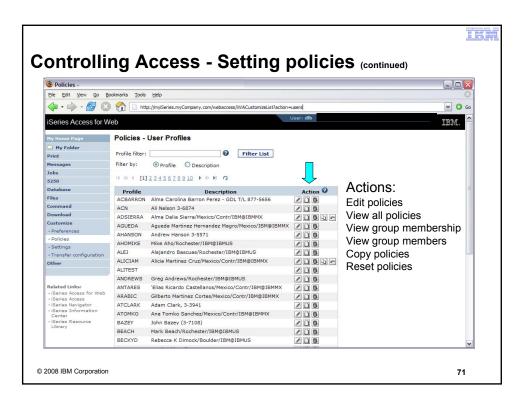
IEM

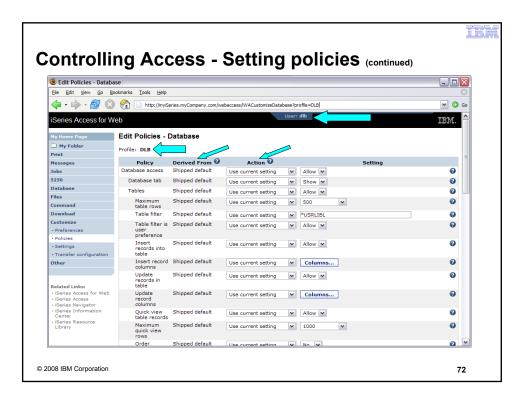
Notes: Controlling Access - How & Whom?

- 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.







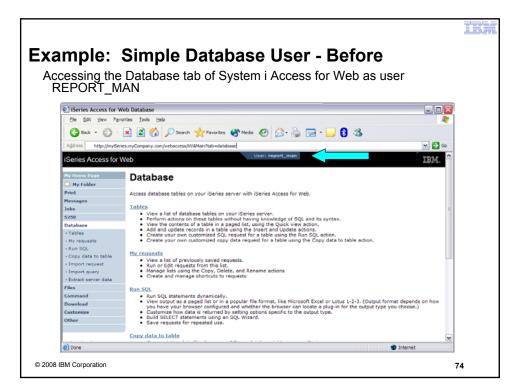


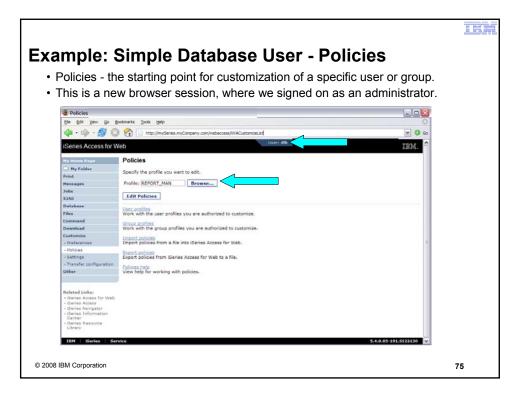


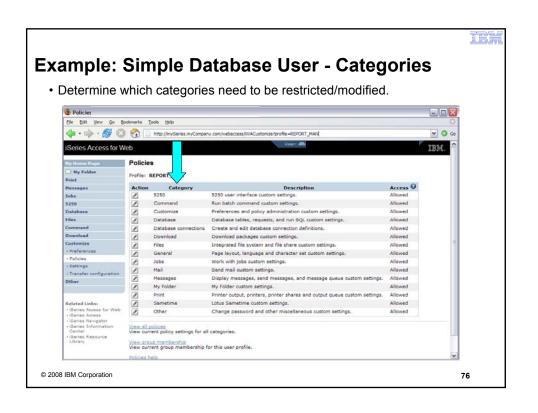
73

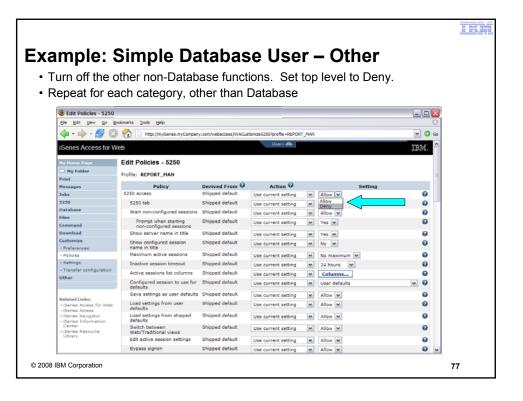
Example: Simple Database User

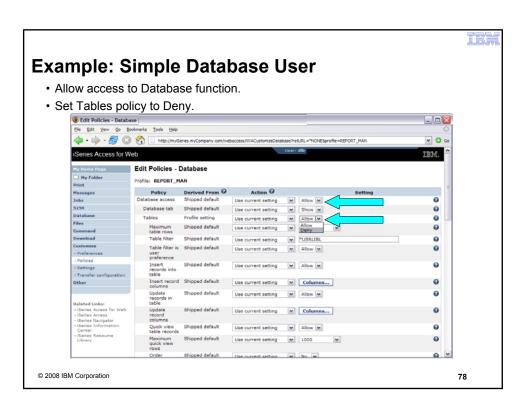
- The following screen shots step through setting the policies so a specific user only has the ability to run preconfigured database queries to generate reports.
- · This example shows
 - the "Before" picture of what DB functions a user can perform with no customization of System i Access for Web
 - 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.

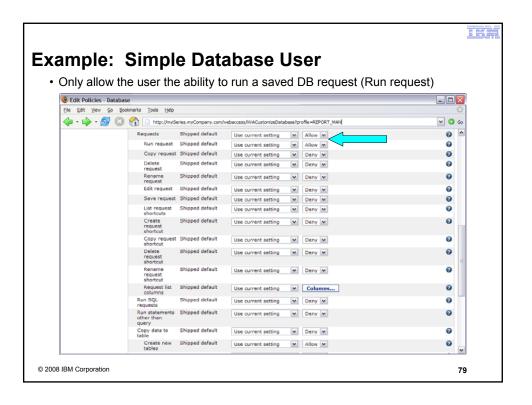


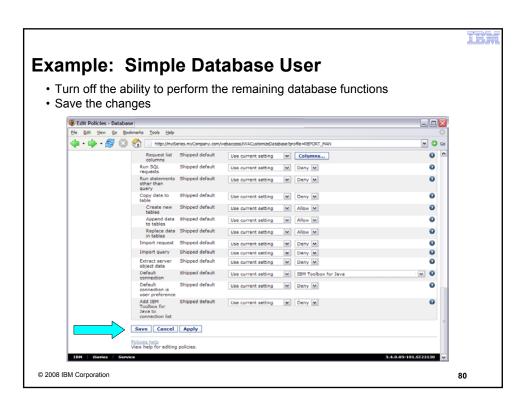


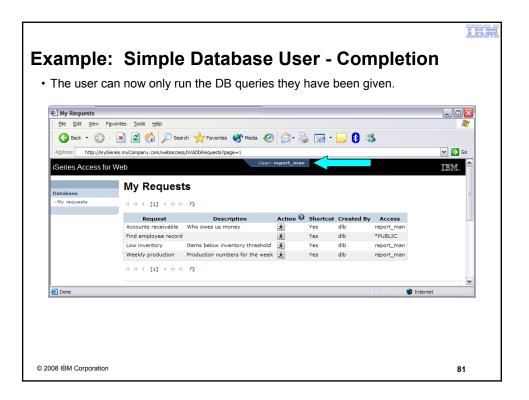


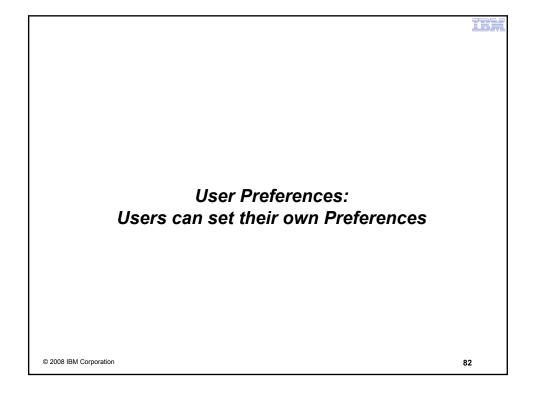














User Preferences

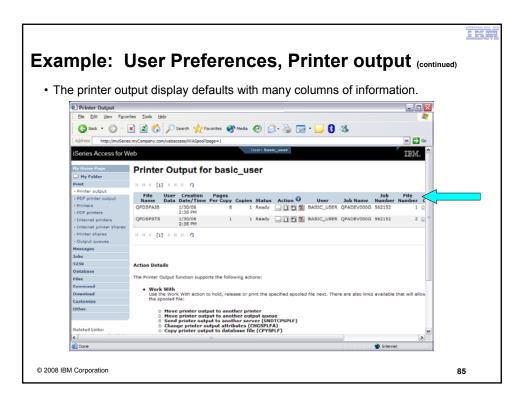
- The Preferences function allows users to customize System i Access for Web settings to meet their needs.
- By default, all users are allowed to modify their preferences.
- Preferences are a subset of the complete list of available policy settings.
- · Users can set the following types of preferences
 - 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.
 - And more
- · Restricting access to Preferences
 - Administrators can deny specific users or groups from accessing their preferences.
 - This is controlled by the "Edit preferences" policy.

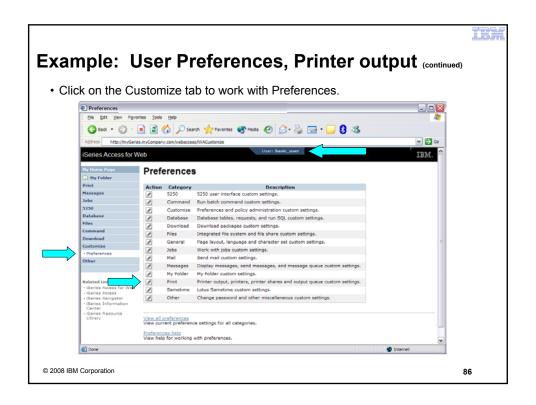
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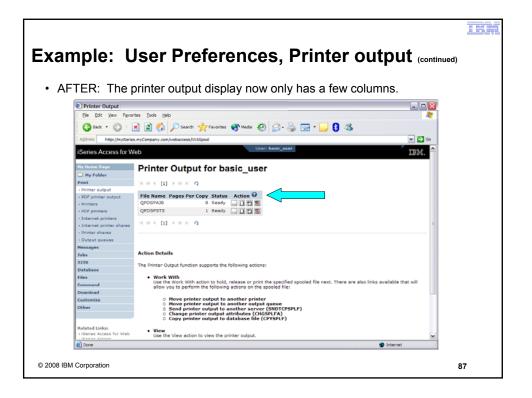


Example: User Preferences, Printer output

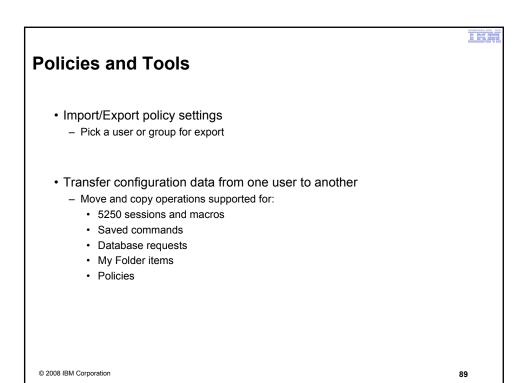
- The following screen shots step through setting a user preference for Printer output.
- · This example shows
 - the default printer output page for user BASIC_USER.
 - what settings the user can modify to change the printer output page output.
 - the printer output page after user BASIC_USER modifies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

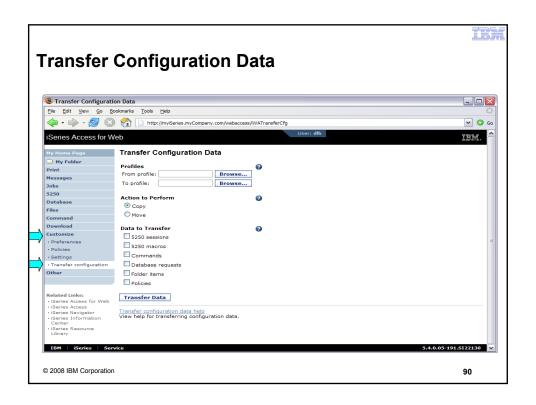














Page customization

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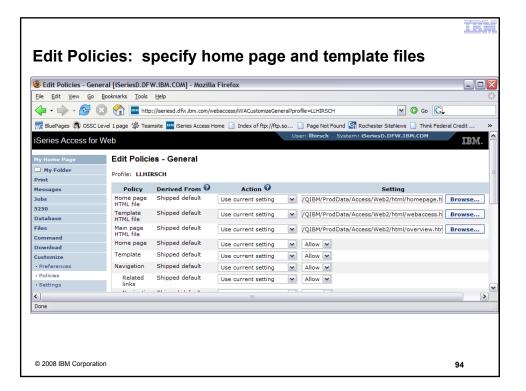
IEM

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/iseries/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 it 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.





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

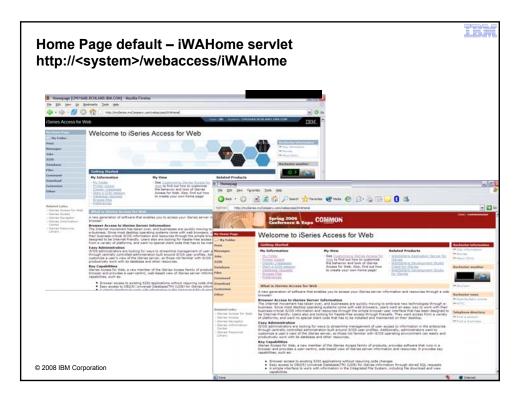
name of iSeries being accessed

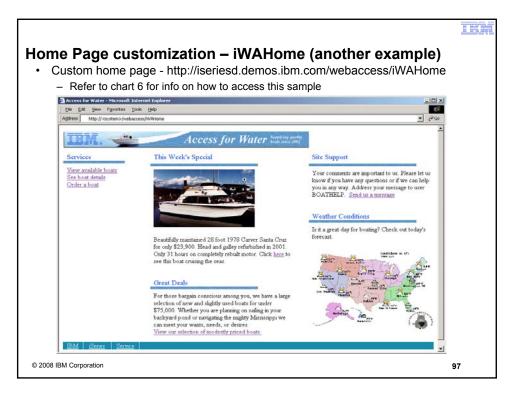
i5/OS user profile used to access the server

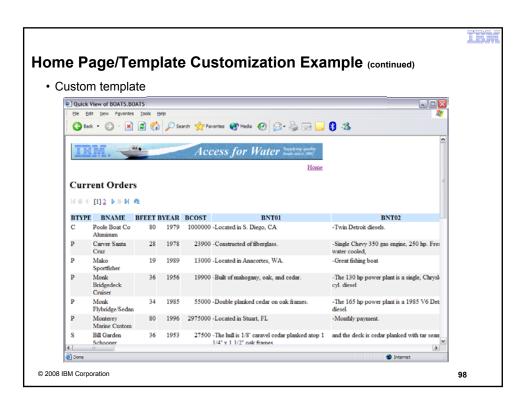
version of System i Access for Web

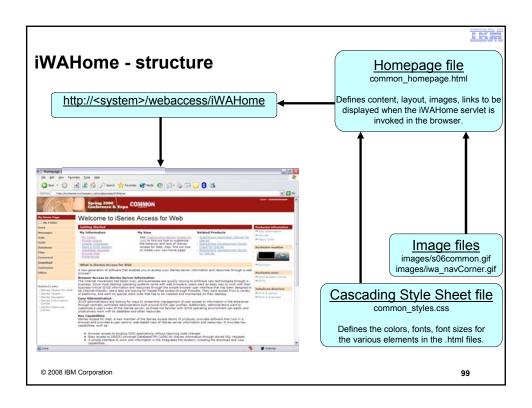
For detailed information on these special tags

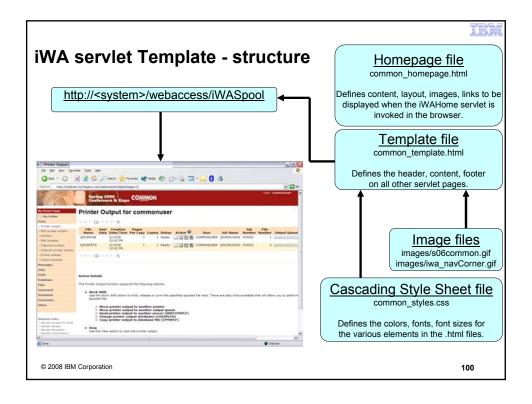
- V5R4 System i Access for Web Info Center
 - Connecting to iSeries->System i Access->System i Access for Web->System i Access for Web in a web
 application sever environment->Customize System i Access for Web->Default page content->Home
 page













For a step-by-step example of how to customize the Home page and Template files:

 $ftp://ftp.software.ibm.com/as400/products/clientaccess/win32/presentations/2008_common_webcast/iAW_customize_home_page_charts.pdf$

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

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NOTES: If using WAS Network Deployment

- For the WebSphere Application Server Network Deployment environment
 - WebSphere v5.0/5.1 Base Edition must be installed
 - WebSphere v6.0 Base/Express Edition must be installed
 - System i Access for Web does not support WebSphere instances/profiles that are federated to the WebSphere Network Deployment environment





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