

IBM System i5[™]

V5R4 iSeries Navigator tasks on the Web (iSeries Navigator URL Advisor)

Erik Rex Cert. Consult. IT Specialist Ftss System i rex@dk.ibm.com

why "i"? it's simple.

© 2006 IBM Corporation



Acknowledgements

- This presentation was developed by Will Witten of IBM US.
- Key IBM Rochester development support is appreciated from Tim Kramer.
- Much of the function explanations are based upon V5R4 iSeries Information Center content.
- See Information Center for many examples of setting up and using iSeries Navigator Web.



Topics

- Evolution of iSeries Navigator
- Installation & Setup
- V5R4 iSeries Navigator Tasks on the Web
- Security





Requirements

- Browser-based System Management
- Management Functions available from a Single Management Console -- iSeries Navigator
- Allow pieces of our GUI to plug into third party applications



The *Evolution* of iSeries Navigator

© 2006 IBM Corporation



Windows Client/Server Application

iSeries Navigator File Edit View Help							
 Solution Sol				0 minute	es old		
Environment: My Connections	Rchasats: Act	Rchasats: Active Subsystems					
🚊 🖞 Rchasats	▲ Subsystem	Status	Active Jobs	Description			
Basic Operations Work Management Server Jobs Job Queues Job Queues Subsystems Subsystems Qase5 Qase5 Qase5 Qase5 Qase5 Qatch Qase5 Qotl Qattpsvr Qotl Qottpsvr Qotl Qottpsvr Qotl Qottpsvr Qase1 Qase1 Qase2 Qase3 Qase4 Qase5 Qase4 Qase5 Qase5 Qase5 Qase5 Qase5 Qase5 Qase5 Qase5 Qase5 Qase4 Qase5 Qase5 Qase5 Qase5 Qase4 Qase5 Qase Qase5 Qase Qase Qase5 Qase Qas	© Qase5 © Qbatch © Qctl © Qhttpsvr © Qinter © Qserver © Qspl © Qsyswrk © Qusrwrk	Active Active Active Active Active Active Active Active Active	1 0 7 1 9 0 18 0 94 26	APPLICATION SERVER - EXPRESS SUB Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem Spooling Subsystem System Subsystem User Subsystem			
🚊 My Tasks - Rchasats	💼 🛱 Work Manag	gement tasks					
Add a connection Install additional components	Monitor s	system performance Item status	▶ ?	View system values Help for related tasks	•		
1 - 10 of 10 objects	1 PAR MODULOP	0.05.07.			-7		

© 2006 IBM Corporation



Notes

Originally, iSeries Navigator was originally a Windows client application that interfaced with code on the iSeries server to display systems management data. It had to be installed on each PC that wanted access to such information.

iSeries Navigator (Window operating systems) has over 5 years of function enrichment and continues to be enhanced in V5R4.

We now describe the V5R4 level of the browser-based version of iSeries Navigator, termed *iSeries Navigator tasks on the Web* in Information Center.

This has a broad range of capabilities in V5R4 focused on the iSeries Navigator functions not included under Management Central.

It runs as servlets managed by the i5/OS supplied WAS 6.0 instance systinst/admin. WAS 6.0 with Express licensing is shipped with V5R4 i5/OS.

Many functions available through iSeries Navigator tasks on the Web are similar to functions available through iSeries Access for the Web product 5722-XH2. 5722-XH2 is focused on user-oriented tasks, whereas iSeries Navigator tasks on the Web is focused on administrator-oriented tasks.

This presentation and the Application Development presentation contain information about WAS 6.0.

		= =	
		the second second	
			_
_			_
_	 _		-

iSeries Navigator Web: Java Servlet Application

For	<u>View Favorites T</u> ool	s <u>H</u> elp			
Back 👻 🗉	→ · ③ 🖸 🖾 🔇	Search	Favorites	🖗 Media 🎯 🗳 - 🎒 🗹 -	
E IBM	I Standard Software Insta	iller 🗋 loc	alhost 📋 We	bSphere 💼 RCHASATS_Server 💼 Lp116AB 🛅 lp016ab	
ess 🙆 ł	http://lp116ab.rchland.ibr	m.com:2002/	/webnav/WnSer	vlet?Application=com.ibm.iseries.webnav.NwLaunch&task=sbs&system=rchasats	• P
					Home Loafiles Logout Help
eries M	Navigator Tasks				
System Refres	name: Rchasa	ts Ta	sk: Active	e Subsystems	
R	6 # 9 / 2		- Select Ac	tion 💌 Go	
· · · · · · · · · · · · · · · · · · ·	C. 1997 100 100 100			2121	
Select	Subsystem	Status /	Active Jobs		
Select	Subsystem	Status Active	Active Jobs	Description APPLICATION SERVER - EXPRESS SUBSYSTEM	
Select	Subsystem QASE5 QBATCH	Status Active	Active Jobs 1 0	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem	
Select	Subsystem CASE5 CA	Status Active Active Active	Active Jobs 1 0 7	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem	
	Subsystem QASE5 C	Status Active Active Active Active	Active Jobs 1 0 7 1	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTD SERVED SUBSYSTEM	
	Subsystem QASE5 QBATCH QCMN QCTL QHTTPSVR	Status Active Active Active Active Active	Active Jobs 1 0 7 1 9	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM	
	Subsystem QASE5 QBATCH QCMN QCTL QHTTPSVR QINTER COSEDVED	Status Active Active Active Active Active Active	Active Jobs 1 0 7 1 9 0	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem File Server Subsystem	
	Subsystem QASE5 QBATCH QCMN QCTL QCTL QATTPSVR QATTPSVR QINTER QSERVER QSERVER	Status Active Active Active Active Active Active Active	Active Jobs 1 0 7 1 9 0 16	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem File Server Subsystem Speeling Subsystem	
	Subsystem QASE5 QBATCH QCMN QCTL QCTL QATTPSVR QATTPSVR QINTER QSERVER QSERVER QSPL	Status Active Active Active Active Active Active Active Active	Active Jobs 1 0 7 1 9 0 16 0	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem File Server Subsystem Spooling Subsystem Subsystem	
	Subsystem G QASE5 QBATCH QCMN QCTL QCTL QATTPSVR QATTPSVR QNTER QSERVER QSERVER QSPL QSYSWRK QSPL	Status / Active Active Active Active Active Active Active Active	Active Jobs 1 0 7 1 9 0 16 0 94 20	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem File Server Subsystem Spooling Subsystem System Subsystem	
	Subsystem QASE5 QBATCH QCMN QCTL QCTL QATTPSVR QATTPSVR QINTER QSERVER QSPL QSPL QSYSWRK QUSRWRK	Status / Active Active Active Active Active Active Active Active Active	Active Jobs 1 0 7 1 9 0 16 0 94 20	Description APPLICATION SERVER - EXPRESS SUBSYSTEM Batch Subsystem Communications Subsystem Controlling Subsystem HTTP SERVER SUBSYSTEM Interactive Subsystem File Server Subsystem Spooling Subsystem System Subsystem User Subsystem	



Notes

Now with iSeries Navigator for the Web, it is a java servlet application that resides on an iSeries system and is accessed with a web browser. A user can now access almost all iSeries Navigator data from any web browser on any system or Internet-capable device instead of being limited to just the PC that had the client application installed.



iSeries Navigator tasks on the Web

- Basic Operations: Messages, User Jobs, Printers, Printer Output, and more
- Work Management: Active Jobs, Server Jobs, Output Queues, Subsystems, and more
- Network: TCP/IP Servers
- Configuration and Service: System Values, Time Management, Disk Status, History Log, and Change Password
- Database: Access to and management of many Database objects



Notes

iSeries Navigator tasks on the Web takes a major set of iSeries Navigator for Windows functions and provides a browser-based access to them. This means there is no "application maintenance" required on the client workstation and you still got a lot of interfaces to i5/OS-based functions.

Originally introduce with V5R3 there is a major increase in iSeries Navigator for Windows functions ported to V5R4 iSeries Navigator tasks on the Web. This includes customizing the Browser user's view and access to functions.

In general, V5R4 iSeries Navigator tasks on the Web functions are management (administration) functions, where as iSeries Access for the Web, another Java servlet-based implementation functions are oriented for the end users.

To view printer output contents on the web, you will need to download the IBM® AFP[™] Viewer browser plug-in to your PC. The AFP Viewer plug-in lets you view AFP and SCS output from your web browser. You can download this plug-in by going to the following web site: http://www-1.ibm.com/support/docview.wss?rs=203&g=afp+plugin&uid=psd1P4000233



Manage Multiple Systems from a single instance



why "i"? it's simple.

© 2006 IBM Corporation



Notes

Customers can access data from multiple iSeries systems in their network through a single iSeries Navigator web server system. The browser interfaces with the web server system to display data from multiple systems. Only the web server system needs to be at V5R4. Other systems can be at different release levels (N-2 V5R3 or V5R2).



Deliverables

Technology independent iSeries Navigator infrastructure, packaged in 3 flavors:

- iSeries Navigator (PC application)
- iSeries Navigator Tasks for the Web (Servlet)
 - URL addressability
- ISC/Portal application (Virtualization Engine Console)
 - Continue to work requirements/dependencies



Notes

Now iSeries Navigator function runs in three different environments. The important thing to note is that all three environments are using the <u>same</u> code. Only the packaging is different.

The key functions of iSeries Navigator for Windows that are not available to iSeries Navigator for the Web are the Management Central functions.

Exactly where both iSeries Access for Web and iSeries Navigator for the Web, and IBM Director for i5/OS go in the future has not yet been determined. Certainly IBM Director has many cross-platform management functions, but it will take a while for IBM Director to gain all the iSeries Navigator and Management Central functions.

iSeries Navigator for the Web functions can be installed as a plug-in to other applications such as the IBM Virtualization Engine Console.

It is beyond the scope of this presentation to compare all possible "console software" products.



Installation & Setup

- Installed as part of SS1 Option 3 (ss03)
- Setup via HTTP Admin GUI
- Access via
 :2001 port
- Link on iSeries Tasks Page

HTTP Server Administration on S400LD - Microsoft Internet Explorer	_ & X
Eile Edit View Favorites Tools Help	27
🌀 Back 👻 🔊 - 💌 😰 🏠 🔎 Search 👷 Favorites 🜒 Media 🍻 🎯 - 🌺 🚍 + 🛄 🎗	
Address 🕘 http://s400ld:2001/HTTPAdmin	💌 🛃 Go
Links 🗁 S400ld 🗁 Lpr07pte 🗀 other 🔊 Google 💩 Rchland 🗁 News and Sports 🗁 T40 💩 BSO 💩 VEC 🗁 Joe	
IBM Web Administration for iSeries OP WebSphere WebSphere	IBM
All Services HTTP Servers Application pervers Abricontet Servers	
🛛 Running 🔃 🕞 Running 💽 🕞 Server: ADMIN - Apache 🔄 Server area: 🛛 Include /QIBM/UserData/HTTPA/admin/conf/admin-cust.conf 🔄	
Common Tasks and Wizards Create HTTP Server Create Application Server Migrate Original to Apache	
 HTTP Tasks and Wizards Add a Directory to the Web LDAP Configuration Serviet and JSP Enablement Server Properties Description Start the system application server instance Start the system application server instance Server Server Configuration 	"Yes"
Contains a very conlight and the system application server instance Yes Verset Verset	
B Request Processing Configuration file: /QIBM/ProdData/HTTPA/admin/conf/admin-ibm.conf	
b HTTP Responses Document root: Browse ⑦ b Content Settings Server name:	
B Security Fully qualified server host name: Dynamic Content and CGI	
D Logging OK Apply Cancel	Preview
D Proxy D System Resources D FRCA D Compression	
B ASF Tomcat Setup task ♥	trapet



Notes

No installation is required! iSeries Navigator Tasks for the Web is part of the operating system (option 3). It does, however, need to be setup via the HTTP Admin GUI.

- Go to the iSeries Tasks page (http://<web-server-system>:2001) and select the IBM Web Administration for i5/OS link.
- From the top set of tabs, select Manage.
- From the set of tabs that appears below those, select HTTP Servers.
- From the Server drop down, select ADMIN Apache.
- From the left-hand list of tasks select General Server Configuration under Server Properties.
- On the General Settings tab, specify Yes for both Start the system application server instance when the 'Admin' server is started and Stop the system application server instance when the 'Admin' server is stopped.
- Press the OK button.

iSeries Navigator Tasks for the Web runs in the WAS V6 system instance – SYSINST/ADMIN. This setup ensures the system instance is started. You must stop and restart the HTTP admin server.

- To stop the server, use the command ENDTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN).
- To start the server, use the command STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN).

•See the next slide for an example showing SYSINST/ADMIN instance up and running.

Viewing the SYSINST/ADMIN instance

IBM Web Administration for i5/0 Setup Manage Advanced R	S elated I	Links				WebSphere.
 Common Tasks and Wizards Create HTTP Server Create Application Server Migrate Original to Apache Create WebSphere Portal Create IBM Workplace 	Mai All F	TTP Servers All App	lication Serv	vers All ASF	Tomcat Servers	
	Data	Server .	Version	Status	Address:Port	Descript
	default/server1		5.0 Base	Stopped	*:2809,8880,9043,9080,9090	
	0	default/server1	5.1 Base	Stopped	*:2809,8880,9043,9080,9090,9443	
	0	default/server1	6.0.2.3	Stopped	*:2809,8880,9043,9060,9080,9443	
	0	default/server1	6.0 ND	9 Stopped	*:2809,8880,9043,9060,9080,9443	
	0	iwa60sso/iwa60sso	6.0.2.3	Stopped	*:41044,41045,41046,41047,41048,41049	WAS 6.0 created by CAS wi
	۲	SYSINST/ADMIN	6.0.2.3	Running	*:4621,4625,4629,4630,4631,4632	
HTTP ADMIN GU Application Se SYSINST/ADM	II Prve IIN	er –		111	1	
	Ref Ma	fresh Start Stop nage Details D	p Restart)elete Ren	ame		
18			© 200	6 IBM Corpor	ration why "i" a	? it's simple



System Instance requirements

The following products are required for System Instance:

- 5722-SS1 *BASE V5R4
- 5722-SS1 option 3
- 5722DG1: IBM HTTP Server for iSeries
- 5722SS1: (option 0012): OS/400 Host Servers
- 5722SS1: (option 0030): OS/400 Qshell
- 5722JV1: IBM Developer Kit for Java
- 5722JV1: (option 6): Java Developer Kit 1.4
- One of the following:
 - 5733W60: WebSphere Application Server V6 ("Base")
 - 5733W60: WebSphere Application Server V6 Express

The following products are recommended:

- 5722-SS1 option 34: Digital Certificate Manager (required for SSL)
- 5722-ACx: Cryptographic Access Provider (required for SSL)
- AFP Browser Plug-in (allows viewing spool files from a browser. Look at notes p.10)



V5R4 iSeries Navigator Tasks on the Web

© 2006 IBM Corporation

why "i"? it's simple.

_	_	_	- 4	-
		-	-	
-	_		==	=
	_			_

iSeries Navigator Home Page

- iSeries Navigator home page provides a good starting points for those new to iSeries Navigator Tasks for the Web.
- Can get to the home page from iSeries Tasks Page (<u>http://<web-server>:2001</u>) or via URL (task=home)
- Links to list of all iSeries Navigator tasks
- Wizard-like interface for generating customized URLs to tasks
- Creates browser favorites for all iSeries Navigator tasks



IBM

why "i"? it's simple.

Notes

URL to home page is: http://<web-server-system>:2001/webnav/WnServlet?system=<system>&task=home

The system specified with the system parameter is the system that is to be managed by webnav. If it is the same as the web server system, it does not have to be specified.

The links at the bottom of the page connect to the configuration task (task=config) where iSeries Navigator Tasks for the Web can be configured and to iSeries Information Center which contains detailed information about webnav.

ple.

Accessing one or multiple systems

_	🗸 🖸 Search 🔹 🅢 New! 🚿 🕾 28 blocked 🛛 🍄 Check 🔹 🖄 AutoLink 🔹 🗐 AutoFill 🔌
	Home Page Preferences Logout Help
i	Series Navigator Tasks
	System
	On a sife the iO arise system where the tasks are to be preferred.
	Specify the iSeries system where the tasks are to be performed.
	Localhost Go
	Optionally specify a user ID to use on the target system (if different than current user
	ID).
	User ID:
	Database
	Database
	Specify the database and schema to be used for the database tasks.
	Database: Rchasm27 Browse
	Schema: QUSRSYS Browse
	OK Cancel



Notes

This is the base, general connection page where you specify the system on which the iSeries Navigator for Web functions will run.

You also see the default database schema to be used by any of the iSeries Navigator for Web database functions.

URL Wizard

- URL wizard guides user through creating a customized URL to an iSeries Navigator task
- First, user is asked to select the type of task to perform
- The type of task determines the list of tasks presented in the next page
- Next, the user selects the specific task to perform





URL Wizard continued

- User specifies what system where the task is to be performed and the user ID to use on that system (if different than current signed-on user)
- If task will result in a list of data, the user can customize how that data appears
 - Number of items to be shown per page
 - Which columns of data to show and in what order
 - What data to include in the list

ISeries Navigator Tasks -	Microsoft Internet Explorer	
<u>File Edit View Favorites</u>	Tools Help	1
🌀 Back 👻 🕥 🕤 💌	😰 🏠 🔎 Search 🤺 Favorites 🜒 Media 🤣 🎯 - 🖕 🖂 🔜 🥨	
Address Address http://lp016ab:200	1/webnav/WnServlet?WnRendererContainer=20&WnProxy=empty&WnRenderer=15&WnUserID=mbrandt&WnTransaction=T 💌 💽	Go
Links 🙋 ISSI 🛅 Webnav on I	p126ab 📓 VEC 💼 Webnav on lp016ab 🗃 Active Jobs on lp126ab 💼 Webnav on expo1 🛅 Webnav on expo2	
	Home Page Preferences Logout Hel	2
Create an iSeries Nav	rigator URL	
	System and User ID	
92	Specify the target iSeries system where the task is to be performed.	
	Target system: Lp016ab	
	Optionally specify a user ID to use on the target system (if different than current user ID).	
	User ID:	
Later N		
4853		
< Back Next >	Finish Cancel	
Done	Sol local intranet	1
	Geocaricanet	





URL Wizard continued

- Columns and Include buttons are similar to specifying Columns and Include actions from an iSeries Navigator list
- However, the Columns and Include data specified here is just used in the URL
- It is not persistent as it is when specified from an iSeries Navigator list
- Columns and Include data specified in the URL overrides any persistent Columns and Include data

le <u>E</u> dit	View Favorites Iools Help			
🗿 Back 🔹	🕑 - 💌 🖻 🏠 🔎 Search 🤺 Favorites	s 🜒 Media 🧭 🍰 [a 🗔 🖇	\$
iress 👹 h	http://lp016ab:2001/webnav/WnServlet?WnRendererContainer	=20&WnProxy=empty&WnRenderer=16	&WnUserID =m	brandt&WnTransaction=Trans70&wti=T5933a36d 💌 🛃
s 🐞 ISSI	🛅 Webnav on lp 126ab 🛛 🖓 VEC 🛅 Webnav on lp0 16ab	🍓 Active Jobs on lp 126ab 🛛 🛅 Web	nav on expol	Com Webnav on expo2
				Home Page Preferences Logout Help
essages	s - Columns			
Columns	s available to display.		Columns	s to be displayed:
	🗈 📑 Select Action 💌 Go			🗈 📑 Select Action 💌 Go
Select		Add Before>	Select	
	From Job			From User
	From Job Number	Add After>		From Program
	From Job User			Туре
	Message Queue			Message
	Message Queue Library	Remove <		Sent
				Message ID
				Severity
		Show Column IDs		
		OK Cancel Help		
		Territoria (Territoria)		



Notes

This slide depicts columns and include data customizations for handling messages.

The Columns and Include data which is specified from an iSeries Navigator list (from either the context menu or View -> Customize this view menu item on the iSeries Navigator client application or from the actions drop down for a list rendered on the web) is persistent meaning that the data will be used every time the list is brought up by the user until the user changes it.

In the URL wizard, the Columns and Include data specified is dynamic, meaning that it will be appended to the URL generated and will only be used for invocations of that URL. That Columns and Include data will also override any persistent Columns and Include data previously specified for the list. When Columns and Include data is specified on the URL, that data is used to determine the columns and list data shown.

This dynamic Columns and Include data allows the user to customize the list without making it their default for the list.

why "i"? it's simple.

URL Wizard continued

- The generated URL is displayed and can be invoked from this page
- Once invoked, the user can save it to their favorites
- The URL contains parameters with data from the wizard
 - Task to be invoked (task)
 - System to run task for (system)
 - User ID to use for the task (user)
 - Any customizations (table-size, columns, any include parameters)





Notes

Parameters are only included in the URL if the user specified a value for them. The only parameter that is required is *task*. The others are all optional.

The include parameters will vary from task to task. In the above example, foruser and severity are Include parameters.

The URL can be deciphered as follows:

- task=msg The Messages list will be displayed
- system=lp016ab The messages on system lp016ab will be shown
- table-size=12 There will be 12 messages shown per page in the list of messages
- severity=30 Only messages of severity 30 or higher will be shown
- foruser=Qsecofr Only messages for Qsecofr will be shown
- columns=7,13,12,15,14,15,2,57,10,20,8,14,1,10,0/7,0,0,0,0,0,0,0,1 Specifies the columns that should be shown along with their width and alignment information. The columns are identified by column ID number which are unique for each task.

The user parameter was not specified, so the currently signed-on user will be used.



Lists on the Web

- iSeries Navigator lists are rendered differently on the web, yet provide the same functionality
- Actions that affect the entire list as well as actions specific to selected items in the list are available from the actions drop down
- Context menu for a specific item in the list available by clicking on arrow after item name

iSeries Na	wigator Tasks - Microsoft I View Favorites Tools Hel	nternet l	Explorer	·			
Address	* 🕑 * 본 🙆 🏠	Sear Servlet?Wnl	ch 🌟 Favorites 🔮 Media 🤡 🖾 - 🍛 📃	UserID=	mbrandt&WnTra	nsaction=Trans	278wti= 😽 🛃 Go
Links 👩 ISSI	: 🛅 Webnav on lp126ab 🕘	VEC 🙆 V	/ebnav on lp016ab 👔 Active Jobs on lp126ab 📋 Webnav	on expo:	. 🗀 Webnav o	on expo2	
A série la	ha la046ah			Ho	<u>me Page F</u>	references	Logout Help
Active Jo	bs - Lpo Toab						
Elapsec Refrest	l time: 00:00:00 h						
Q	• • • •		Select Action	♥ Go			
Select	Job Name	^ Det	Select Action	_ ^	CPU ^	Run ^	Thread ^
V	So Qbatch®	Wai deq	Printer Output Job Log		0	0	2
	South Company	Wai deq	Details > Call Stack Details > Library List Details > Leolord Objects		0	0	2
	Qacsotp	Wai requ	Details > Locked Objects Details > Open Files > Library Objects Details > Open Files > File System Objects		0	20	1
	Qlzpserv	Wai requ	Details > Threads Details > Elapsed Performance Statistics		0	20	1
	Qnmapingd	Wai requ	Properties		0	25	1
	Qnmarexecd®	Wai requ	Sort		0	25	1
	Qnpservr Image:	Wai requ	Reset Statistics		0	20	1
	Qzrcsrvr	Wai requ	Show find toolbar Table Actions		0	20	1
		Wai requ	Select All Deselect All Show Either Dow		0	20	1
	S Qctle	Wai deq	Clear All Filters Edit Sort		0	0	2
Pag	e 1 of 18 👂 🕺 1	Go	Clear All Sorts	ted	:1		
The info Close	rmation in this list is 5 n	ninutes (Id. Press the Refresh button to update.				
٢							>
Done						S.	ical intranet



Notes

Lists are rendered in a manner consistent with how a web-user would expect to see them. The functionality is the same. Only the "look" is different.

The drop down menu provides actions that affect the entire list (i.e. Columns, Include) as well as actions specific to the currently selected items (i.e. Printer Output, Job Log).

After selecting an action from the drop down menu, the Go button must be pressed to invoke it. Clicking on the arrow icon next to an individual item brings up the context menu for the item. This menu includes only those actions valid for that item.

Additional List Features

- Button to refresh list data
- Tool bar to manipulate data
 - Sort on multiple columns
 - Filter list data
 - Select / deselect all

Navigation area

- Page forward or backward
- Go directly to a specific page

List status information

- Number of items in list
- Number of items filtered
- Number of items displayed
- Number of items selected

List "freshness indicator"

 Indicates how recently the data was retrieved from the iSeries

nks 🕑 ISS.	Webnav on lp126ab	VEC 📋 Webnav on Ip016a	b e Active Jobs o	In Ip 126ab i Webnav on expol	mo Dago E	on expo2	Logout Hol
Active Jo	bs - Lp016ab			<u>110</u>	ne i age i	Telefences	EUGOUI IICI
Elapsed	1 time: 00:00:00						
Refres							
G	6 # 9 1 2	Select A	ction	✓ Go			
Select	Job Name	^ Detailed St ^	Current ^	Туре ^	CPU ^	Run ^	Thread *
•	s Qbatch	Waiting for dequeue	Qsys	Subsystem	0	0	3
	s Qcmn	Waiting for dequeue	Qsys	Subsystem	0	0	
	Qacsotp ■	Waiting for request	Quser	Prestart communications	0	20	9
	Qlzpserv	Waiting for request	Quser	Prestart communications	0	20	7
	Qnmapingd	Waiting for request	Quser	Prestart communications	0	25	
	Qnmarexecd	Waiting for request	Quser	Prestart communications	0	25	
	Qnpservr I	Waiting for request	Quser	Prestart communications	0	20	1
	Qzrcsivi	Waiting for request	Quser	Prestart communications	0	20	1
		Waiting for request	Quser	Prestart communications	0	20	9
	So Qctl®	Waiting for dequeue	Qsys	Subsystem	0	0	3
Pag	e 1 of 18 👂 🛛 1	Go Gotal 179	iltered: 179	Displayed: 10 Selected	Ð		



Notes

The tool bar icons from left to right are as follows:

Select all - Selects all items in the list

Deselect all - Deselect all items in the list

Show filter row – Shows an additional row underneath the column headings that indicate whether a filter is set for particular column. A filter limits the amount of data shown in the list. A filter can be set by clicking on the filter indicator for the column you want to filter on. Once set, the filter row will indicate a filter is set for that column. If filter row is already showing, this tool button becomes Hide filter row which will make the filter row disappear. It should be noted that filters are not related to Include in the actions drop down.

Clear all filters – Clears all filters set for the list. All data in the list will be shown.

Edit sort – Brings up a sort section in the list. From this section, the user can specify up to three columns to sort on and how to sort them (ascending or descending). Once sort criteria is specified and the OK button is pressed, the sort section will disappear and sort indicators will appear for those sorted columns. The indicators show the priority of the sorts (1, 2, 3) and what order (up arrow is ascending and down arrow is descending)

Clear all sorts – Clears all sorts from the list. The data in the list appears in its original order

Collapse table – Collapses the table so no list data can be seen. Once collapsed, this tool buttons becomes Expand table and will show the list data once again.



iSeries Navigator Preferences

- Preferences for webnav can be set through the preferences task (task=pref)
- Also a link at the top of any iSeries Navigator web page
- General Preferences
 - Number of list items shown per page
 - Indicate if new lists are shown in separate window
- Database Preferences
 - Naming option

URL Parameter Defaults

- Target system
- User ID
- Database
- Schema





Notes

These properties are stored in the Java registry and can only be changed through this interface. They are user-specific, meaning changes made by a user only affect that user.



V5R4 Tasks on the web

(**Tasks in Blue were added in V5R4)

Basic operations

- Messages (msg)
- System Operator Messages (sysoprmsg)
- **QSYSMSG messages (qsysmsg)
- Send a Message (sndmsg)
- Printer Output (prtout)
- ** Display Printer Output (dspprtout)
- ** Reply to a Message for Printer Output (rpyprtout)
- ** Release Printer Output (rlsprtout)
- ** Move Printer Output (movprtout)
- ** Delete Printer Output (dltprtout)
- ** Convert Printer Output to PDF (cnvprtout)
- ** Printer Output Properties (prtoutprop)
- User Jobs (usrjob)
- ** Printers (prt)
- ** Reply to a message for a Printer (rpyprt)
- ** Hold a Printer (hldprt)
- ** Release a Printer (rlsprt)
- ** Start a Printer (startprt)
- ** Stop a Printer (stopprt)
- ** Restart a Printer (restartprt)
- ** Printer Properties (prtprop)
- ** Make a Printer Available (availprt)
- ** Make a Printer Unavailable (unavailprt)

- Work Management
 - Active Jobs (actjob)
 - Server Jobs (svrjob)
 - Active Subsystems (sbs)
 - Output Queues (outq)
 - ** Clear and Output Queue (clroutq)
 - ** Hold an Output Queue (hldoutq)
 - ** Release and Output Queue (rlsoutq)
 - Delete a Job (dltjob)
 - Hold a Job (hldjob)
 - Release a Job (rlsjob)
 - Move a Job (movjob)
 - Work with a Job (wrkjob)
 - Job Properties (jobprop)
 - Display Joblog for a Job (joblog)
 - Display Locked Objects for a Job (lockobj)
 - Display Call Stack for a Job (callstack)
 - Display Open Files for a Job (openfiles)
 - Display Library List for a Job (liblist)
 - Display Performance Statistics for a Job (perfstats)
 - Display Threads for a job (threads)
 - ** All Job Queues (alljobq)
 - ** Active Job Queue (actjobq)
 - ** Hold a Job Queue (hldjobq)
 - ** Release a Job Queue (rlsjobq)
 - ** Clear a Job Queue (clrjobq)
 - ** Active Memory Pools (actpool)
 - ** Shared Memory Pools (shrpool)
 - ** System Status (syssts)

IBM

V5R4 Tasks on the Web - Continued

Database

- All Objects (db.allobj)
- Aliases (db.alias)
- Create an Alias (db.crtalias)
- Constraints (db.cst)
- Indexes (db.idx)
- Create an Index (db.crtidx)
- Sequences (db.seq)
- Create a Sequence (db.crtseq)
- Tables (db.tbl)
- Create a Table (db.crttbl)
- Distinct Types (db.typ)
- Create a Distinct Type (db.crttyp)
- Journals (db.jrn)
- Journal Receivers (db.jrnrcv)
- SQL Procedures (db.proc)
- SQL Packages (db.pkg)
- Create a Schema (db.crtschema)
- Select Schema (db.selschema)
- Triggers (db.trg)
- Views (db.view)
- Functions (db.func)
- ** Table Partitions (db.tblpart)
- ** Schemas (db.schema)
- ** Databases (db.database)
- ** Table Indexes (db.tblidx)
- ** Performance Monitors (db.perfmon)
- ** Create Performance Monitor (db.crtmon)
- ** Import Data (db.import)
- ** Export Data (db.export)
- ** Index Advisor (db.idxadv)

- Configuration and Service
 - Work with System Values (sysval)
 - Time Management (timemgmt)
 - ** Disk Status (dsksts)
 - ** Change Password (chgpwd)
 - ** History Log (dsplog)

Network

- ** TCP/IP Servers (tcpsvr)
- ** Universal Connection Wizard (ucw)

General iSeries Navigator Tasks

- iSeries Navigator Tasks Home Page (home)
- ** View All Tasks (list)
- ** Trace Levels (trace)
- ** User Preferences (pref)
- ** Configuration Options (config)
- ** Command Prompter (runcmd)
- ** Work with Jobs (wrkjobs)
- ** Work with Messages (wrkmsgs)
- ** Work with Printer Output (wrkprtout)



Notes

This slide and the previous slide list all of the iSeries Navigator tasks that are available on the web. Those tasks that appear in blue were added to the web in V5R4. In the parenthesis after each task name is the task value used in the URL (task=).

Using the i5/OS-provided HTTP *ADMIN server you can start the i5/OS-supplied WAS V6.0 instance known as sysinst/admin, which is where the iSeries Navigator tasks on the Web java servlets are installed the first time you start sysinst/admin. Thereafter you can customize the look of the window shown to you and which functions (Java servlets – URL (tasks) you can generate URLs for.

The next set of slides show some simple examples of the basic iSeries Navigator for the Web functional categories.

You could use the URL Advisor to build URLs that can link directly to these and customized versions of these example windows. Note the list and actions shown on the different examples. Many more examples than those shown are available.



Basic Operations, no customization example

Home Page Preferences Logout Help

iSeries Navigator Tasks - Localhost

Basic Operations	Lists	Actions		
Work Management	Printer Output	Hold printer output	Start a printer	
<u>Network</u>	<u>i mor oupu</u>	<u>Hold printer edipat</u>		
Configuration and Service	Printers	Display contents of a printer output file	Stop a printer	
<u>Database</u>	Messages	printor output nio	Restart a printer	
		Printer output properties		=
	System operator	Deleges printer output	Printer properties	
	messages	Release printer output	Make a printer	
	QSYSMSG	Move printer output	available	
	messages			
	Llear John	Delete printer output	Printer output for a	
	USEL JODS	Convert printer output to	printer	
		PDF	Make a printer	
			<u>unavailable</u>	
		Reply to a message for	Sond a massage	
		printer output	Send a message	
		Hold a printer	Run Command	
		Release a printer		
		<u></u>		~

© 2006 IBM Corporation



Work Management, no customization example

Home Page Preferences Logout Help

Basic Operations	Lists	Actions	
Nork Management	Output Queues	Clear an output	Display the library list for a
<u>Network</u>		queue	job
Configuration and Service	Active Jobs	Hold an output queue	Display the locked objects for
<u>Database</u>	Server Jobs		a job
	Active	Release an output	Display the open files for a
	Subsystems	queue	lop
	Active Job	System Status	Display the threads for a job
	Queues	<u>Hold a job</u>	Display the performance
	All Job Queues	Delesses a inte	statistics for a job
	Active Memory	Release a lob	Work with a job
	Pools	<u>Delete a job</u>	
	Shared Memory	Display job	Hold a job queue
	Pools	properties	Release a job queue
		Move a job	<u>Clear a job queue</u>
		<u>Display the job log</u> for a job	
		Display the call stack	



Network - servers, no customization example

Home Page Preferences Logout Help								
TCP/IP Ser	vers - Rchasm27							
Refresh								
	C *** *? 1 2 T Select Action V Go							
Select ^	Name ^	Status ^	Description ^					
	ि ASFTomcat⊠	Started	ASFTomcat Basic Servlet and JSP Engine for the Apache Web Server					
	[™] BootP [™]	Stopped	BootP Server					
	The BootP DHCP Relay Agent B	Stopped	BootP DHCP Relay Agent					
	The CIMOM Decision of	Stopped	CIM Object Manager					
	The DDM 🖻	Started	DRDA DDM Server TCP/IP					
	[™] DHCP ■	Stopped	Dynamic Host Configuration Protocol					
	1 DLFM ₪	Stopped	Datalink File Manager					
	The EDRSQL	Stopped	Extended Dynamic Remote SQL					
	1 FTP≥	Started	File Transfer Protocol					
	The HTTP Administration	Started	HTTP Server					
	The IBM Directory Server ■	Started	IBM Directory Server for iSeries (LDAP)					
	The INETD ₪	Stopped	Internet Daemon (INETD) Super Server					
	The iseries Netserver	Started	iSeries Support for Windows Network Neighborhood					
	[™] LPD	Started	Line Printer Daemon					
	🔚 Management central	Started	Management central					

© 2006 IBM Corporation



Configuration and Service, no customization example

			Home Page Preferences Logout Help
iS	eries Navigator Tasks - Lo	calhost	
	Basic Operations	Lists	Actions
	Work Management	System Values	Change Password
	<u>Network</u>	<u>0750011 Vala00</u>	onango rassirora
	Configuration and Service	Time Management	
	Database	History Log	
		Disk Status	

Database, no customization example

	Home Page Preferences Logout Hel							
iS	eries Navigator Tasks - I	Localhost						
	Basic Operations	Lists		Actions				
	Work Management	Aliases	Sequences	Create Alias	Health			
	<u>Configuration and Service</u>	All Objects	Tables	Create Index	<u>Center</u>			
	Database	Constraints	Triggers	Create Schema	Import Data			
		Functions	Distinct Types	Create Sequence	Export Data			
		Indexes	Views	Create Table	<u>Table</u> Indexes			
		Journals	Schemas	Create Distinct Type	Table			
		Journal	<u>Databases</u>	Select Schema	Partitions			
		Receivers	Performance	Create Performance	null			
		SQL Packages	<u>Monitors</u>	Monitor	<u>Index</u> Advisor			
		<u>SQL</u> Procedures						

© 2006 IBM Corporation

why "i"? it's simple.



Database – schema actions, no customization example

Home Page Preferences Logout Help								
Database - Schemas - Rchasm27								
F	Refresh	1						
	D	6 # 4	2	2	Select Action	*	Go	
S	elect	Name			Select Action	^	~	
		CASETUR	0 ®		Change Description			
		JOON			Index Advisor > Index Advisor			
		JOON1			Index Advisor > Clear All Advised Indexes			
			(a)		Index Advisor > Prune Advised Indexes			
		DEDEXD	. <u> </u>		Remove from List			
			-		Rename			
					New > New > Alias			
					New > New > Distinct Type			
	_	QUSRST	58		New > New > Function > External	=		
1000000		QUSRSYS	51		New > New > Function > Sourced	_		
	Page	e 1 of 1		Total: 9	New > New > Index			
Th	e info	rmation in t	this list is	s 31 minut	New > New > Journal			
С	lose				New > New > Procedure > External			
					New > New > Sequence			
					New > New > Table > Table			
					New > New > Table > Materialized Query Table			
					New > New > Trigger > External			
					New > New > Trigger > SQL			
					Select Schemas to Display			
					New > Schema			
					Show find toolbar			
					Table Actions	*		
								×

© 2006 IBM Corporation



V5R4 iSeries Navigator tasks on the Web Security



© 2006 IBM Corporation





SSL

- There are two kinds of Secure Socket Layer (SSL) connections that you need to consider configuring in order to run iSeries Navigator tasks on the Web securely:
- The first type of SSL connection is used in a connection between a Web browser and the iSeries system that is hosting iSeries Navigator tasks on the Web.
- The second type of SSL connection is used by the iSeries Navigator tasks on the Web interface to retrieve data from the local iSeries and any managed secondary systems.



Authentication Filter & SSL Warning

- By default, customers receive a WARNING MESSAGE when first connecting to webnav.
- If the iSeries machine is safely behind a firewall, this can be switched off.
- Controlled by parameters in webnav.properties, or by using the Configuration task (task=config)
- Recommended reading:

http://publib.boulder.ibm.com/infocenter/is eries/v5r4/index.jsp?topic=/rzatg/rzatgsec urity.htm (setup security)



IBM

why "i"? it's simple.

Notes

To turn off SSL warning, set SSL usage for browser connection to Not required and SSL usage for backend system connection to Not used. Changes to these settings apply to all users.

To change it within the webnav.properties file:

- edit file /QIBM/UserData/OS400/iSeries Navigator/config/webnav.properties.
- Add or change properties httpSSL=notrequired and SocketConnectionSSL=notused.

Controlling Access to iSeries Navigator Tasks for the Web

- User access to iSeries Navigator Tasks for the Web is controlled by Application Administration
 - Whether the user can configure webnav on the server
 - Whether the user can manage the server using webnav
 - Whether the user can use webnav from this server
- Initially set to All Object access level
- Access to individual webnav tasks also controlled by AppAdmin settings
- AppAdmin is configured using the PC Client version of iSeries Navigator

Application Administration (Local Settings) - Lp Select the functions or applications available to users.	0016ab		? 🛛
Function Image: CIMOM Server Image: Digital Certificate Manager (DCM) Image: Server Through Veb Interface Image: Configure iSeries Navigator Web Interface Image: Server Through Web Interface Image: Web Interface		All Object Access	Customized Access
Remove Customization			Customize
Applications		ок с	ancel Help



Notes

To get to webnav settings in AppAdmin, in iSeries Navigator, right-click on the system to configure and select Application Administration. Click on the Host Applications tab and expand iSeries Navigator Tasks for the Web. The default setting is All Object Access which means that only users with all object access have authority to use webnav. If a customer wants other uses to have access to webnav, these settings will have to be either customized for specific users or access given to all users (Default Access).

Access to iSeries Navigator functions as specified in AppAdmin are used by webnav. For example, if a user was denied access to Active Jobs through AppAdmin, that user will not have access to Active Jobs (task=actjob) on the web.

Any changes made to AppAdmin settings will require the iSeries Navigator web application to be restarted due to caching of access values. To do this, go to the HTTP Administration web page (http://<system-name>:2001/HTTPAdmin). Click on the Manage tab and then click on the Application Servers tab. Select SYSINST/ADMIN – V6 from the Server drop down. Click on Manage Installed Applications in the left-hand pane. From the list of applications, select iSeries Navigator and press the Stop button. Once stopped, press the Start button to restart the application. This can also be accomplished by restarting the HTTP Admin server. However, be aware that other applications may be using it.



iSeries Nav Tasks on the Web



THANKS

© 2006 IBM Corporation



Appendix – Problem Determination

© 2006 IBM Corporation





Problem Determination

- Since iSeries Access for Web functions require use of the HTTP ADMIN server and the i5/OS-supplied WAS instances – sysinst/admin we provide some problem determination information regarding the initial setup to run this interface
- For other problems, consult the WebSphere or iSeries Navigator logs for more information.
- WAS System Instance (sysinst/admin) must be up and running
- System instance provided by i5/OS is required by the following, starting with V5R3:
 - iSeries Navigator URL Advisor (browser graphical interface
 - IBM Directory Server for i5/OS (browser graphical interface)
 - This is the graphical interface to LDAP information and capabilities

Problem #1 – HTTP Admin Server is not running

- Will result in "The page cannot be displayed" error message when accessing iSeries Navigator tasks
- HTTP Admin Server will show up as not running in iSeries Navigator
- Start the server via iSeries Navigator or STRTCPSVR command



© 2006 IBM Corporation



Notes

Viewing the status of the HTTP Admin server through iSeries Navigator must be done on the client. In the lefthand navigation tree, under the system you are trying to use the Admin server on, expand Networks -> Servers. Click on TCP/IP and the TCP/IP servers will appear in the right-hand pane. Find HTTP Administration in the list. If it is not running, right click on it and select Start.

To view from the green screen, do Work with Active Jobs (WRKACTJOB) command and look for ADMIN jobs under QHTTPSVR subsystem. If none appear, the Admin server must not be running. To start it, use the command STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN).

Problem #2 – System Instance is not running

- System instance provided by i5/OS is required by
 - iSeries Navigator URL Advisor (browser))
 - IBM Directory Server for i5/OS browser graphical interface
- Will result in "Internal Server Error" message when trying to access iSeries Navigator tasks
- System Instance will show up as not running in HTTP Admin GUI
- Ensure HTTP Admin configuration was completed
- Start the System Instance via the HTTP Admin GUI





Notes

To view the application servers via the GUI,

- go to the iSeries Tasks page (<u>http://<web-server-system>:2001</u>)
- select the IBM Web Administration for i5/OS link.
- From the top set of tabs, select Manage.
- From the set of tabs that appears below those, select Application Servers.
- From the Server drop down, select SYSINST/ADMIN V6.

The status of the server is in the upper left-hand corner.

To start the system instance, press the Start button to the right of the status.



Problem #3 – iSeries Navigator application has been stopped

- The iSeries Navigator application has been stopped on the Websphere Application Server
- Will result in "The page cannot be found" error message
- From Application Servers tab, can see that iSeries Navigator application is not running.
- Start the application

•		
4 Not Found - Microsoft Internet Explo	rer	
t View Favorites <u>T</u> ools <u>H</u> elp		1
🔹 🕑 🐐 👔 😰 🏠 🔎 Sea	ch 👷 Favorites 🜒 Media 🧭 🔗 🌭 🔜 + 🧾	
http://lp016ab:18000/webnav/WnServlet	task=msg	💌 🛃 Go 🛛 Links
• 🚺 💏 Sear	sh Web 🕞 👘 🛛 🔁 Site popups allowed 🛛 📳 AutoFill 🛛 🚾 Options 🥔	
		*
he page cannot be found		
e you are looking for might have bee	n removed, had its	
langed, or is temporarily dilavallable.		
ry the following:		
f you typed the page address in the A	ddress bar, make	
ure that it is spelled correctly.	and then look for	
nks t 🖉 HTTP Server Administration on	LP016AB - Microsoft Internet Explorer	
lick Ele Edit View Favorites Tools	Help	
🌍 Back 🝷 🕥 🗉 🗾 🛃	🏠 🔎 Search 👷 Favorites 🜒 Media 🚱 🍰 🍓 🖬 🔹 🧾 💥	3
Agdress ahttp://lp016ab:2001/HTTPAd	min	v 🔁
4 - F Expl Links 🍓 ISSI 🛅 Webnav on lp126ab	🍘 VEC 🛅 Webnav on lp016ab 🖉 Active Jobs on lp126ab 🛅 Webnav on expo1 🚞	Webnav on expo2
IBM Web Administration for i5/09		CP WebSohere
Setup Manage Advanced Re	lated Links	
All Servers HTTP Servers Appli	cation Servers ASF Tomcat Servers	
Running D 🚺 🧭 Server:	SYSINST/ADMIN - V6.0.2.1	
 Common Tasks and Wizards Create HTTP Server 	SYSINST/ADMIN > Manage Installed Applications	
Create Application Server	Manage Installed Applications 💿	
▼ WAS Wizards	Data current as of Nov 7, 2005 2:58:51 PM.	
Create Virtual Host	Installed applications: 0	
Create JDBC Provider	Application name Status Enablement	
Deploy IBM Telephone Directory	O IDSWebApp Sunning Enabled	
a Deproy IBM Survey Creator	iSeriesNavigator Stopped Enabled	
 Server Properties B Server Tracing 	query Running Enabled	
D Server Ports D View HTTP Servers	Install Start Properties Uninstall Update Refresh	
Applications		
B Manage Installed Applications		
▼ Resource Configuration		
b Manage Virtual Hosts b Manage JDBC Providers		
B Manage Data Sources		
 Problem Determination D View Logs 		
= Toolo		
Plaunch Administrative Console		
	Close	
E Done	(1	Secal intranet

IBM

why "i"? it's simple.

Notes

To view the application servers via the GUI

- go to the iSeries Tasks page (<u>http://<web-server-system>:2001</u>)
- select the IBM Web Administration for i5/OS link.
- From the top set of tabs, select Manage.
- From the set of tabs that appears below those, select Application Servers.
- From the Server drop down, select SYSINST/ADMIN V6.0.2.1.
- Under Current Configuration at the bottom of the main panel, select Manage Installed Applications.

If iSeries Navigator is not running, select it and press Start.

IBM System i5[™]



Problem #4 – User not authorized to use iSeries Navigator Tasks on the Web

- User is not authorized to use iSeries Navigator Tasks on the Web on the iSeries the code is being run on
- Will result in "You do not have access to the iSeries Navigator Tasks on the Web interface on system <system-name>" error message
- Need to adjust settings for Use of iSeries Navigator Web Interface in Application Administration
- Recycle iSeries Navigator web application after making changes





Notes

By default, only "All Object Access" is checked for Use of iSeries Navigator Web Interface. This means only users with all object access will be allowed to use this system as the iSeries Navigator web server.

To allow others access, either check "Default Access" which will allow all users except those specifically denied access or customize the setting to allow the specific user access. After making changes to this setting, you will need to recycle (stop, start) the iSeries Navigator web application as all this access information is cached.

To do this

- go to the HTTP Administration web page (http://<system-name>:2001/HTTPAdmin).
- Click on the Manage tab and then click on the Application Servers tab.
- Select SYSINST/ADMIN V6 from the Server drop down.
- Click on Manage Installed Applications in the left-hand pane.
- From the list of applications, select iSeries Navigator and press the Stop button.
- Once stopped, press the Start button to restart the application.

This can also be accomplished by restarting the HTTP Admin server. However, be aware that other applications may be using it.



Problem #5 – User not authorized to manage the system

- User is not authorized to manage the specified system (system=xxxx) using iSeries Navigator Tasks on the Web
- Will result in "You are not allowed to manage system <system-name> through any iSeries Navigator Tasks on the Web interface"
- Need to adjust settings for Manage Server Through Web Interface in Application Administration
- Recycle iSeries Navigator web application after making changes





Notes

By default, only "All Object Access" is checked for Manage Server Through Web Interface. This means only users with all object access will be allowed to view data for this system through iSeries Navigator Tasks on the Web.

To allow others access, either check "Default Access" which will allow all users except those specifically denied access or customize the setting to allow the specific user access.

After making changes to this setting, you will need to recycle (stop, start) the iSeries Navigator web application as all this access information is cached.

To do this,

- go to the HTTP Administration web page (http://<system-name>:2001/HTTPAdmin).
- Click on the Manage tab and then click on the Application Servers tab.
- Select SYSINST/ADMIN V6 from the Server drop down.
- Click on Manage Installed Applications in the left-hand pane.
- From the list of applications, select iSeries Navigator and press the Stop button.
- Once stopped, press the Start button to restart the application.

This can also be accomplished by restarting the HTTP Admin server. However, be aware that other applications may be using it.



Problem #6 – User not authorized to specific iSeries Navigator task

- User is not allowed to access a specific iSeries Navigator task in Application Administration
- Will result in "User <user> is not authorized to task <task> on system <system-name>" error message
- Need to adjust the setting for that task in Application Administration
- Recycle iSeries Navigator application after making changes





Notes

To access a function in webnav, the user must be able to access the same function in iSeries Navigator for the client.

This access is controlled by Application Administration in iSeries Navigator on the client.

- If All Object Access is checked, then any user with all object will be able to access the function regardless
 of any customize settings.
- If Default Access is checked then all users except those denied access in the customize setting will have access.

Customize lets you specifically grant or deny access to a specific user or user group.

After making changes to app admin settings, you will need to recycle (stop, start) the iSeries Navigator web application as all this access information is cached.

To do this,

- go to the HTTP Administration web page (http://<system-name>:2001/HTTPAdmin).
- Click on the Manage tab and then click on the Application Servers tab.
- Select SYSINST/ADMIN V6 from the Server drop down.
- Click on Manage Installed Applications in the left-hand pane.
- From the list of applications, select iSeries Navigator and press the Stop button.
- Once stopped, press the Start button to restart the application.

This can also be accomplished by restarting the HTTP Admin server. However, be aware that other applications may be using it.



Problem #7 – Websphere 6.0 or Express not installed

- Will result in "You are not authorized to view this page" error message.
- See if Websphere 6.0 Base or Express 5733-W60 is installed on the iSeries being used as the web server

tes Media 🚱 😥 aleEETA mepage 街 IBM Internal Help using e, or	Homepage	A	
tes Meda 🐼 🔗	- 🕁 🖃 -	 	
er (Media	Homepage	• Je S	
zale=En mepage 🔮 IBM Internal Help using e, : or t.	Homepage	N 🤅 🧤 Open PDF in Word	
mepage 👹 IBM Internal Help	Homepage	Open PDF in Word	
using e, or			
using e, er t.			
using e, : or t.			
using e, or t.			
e, or			
using e, er			
e, or t.			
t.			
t. 			
t.			
			1
			-
			0 minute
Landfork, Testallad Des			0.111110.00
	lucis		
Product Option	Release	Description	
5733w51 0002	VSR 1M0	WAS V5.1 Application server runtime	
5733w51 0003	V5R 1M0	WAS V5.1 Samples	
5733w51 0004	V5R 1M0	WebSphere Application Server Extensions	
5733W51 0005	V5R 1M0	WAS V5.1 Network Deployment	
5733W51 0006	VSR IMO	WebSphere Application Server Extensions	
5733w51 0007	VSR 1M0	WebSphere Application Server Extensions	
5733w51 0009	VSR 1M0	WebSphere Application Server Extensions	
5733w51 0010	V5R 1M0	WAS V5.1 Enterprise Enablement	
5733w51 0011	V5R 1M0	WAS V5.1 Enterprise Enablement for ND	
5733w51 0012	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0013	VSR 1M0	WebSphere Application Server Extensions	
5733w51 0014	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0015	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0016	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0017	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0018	V5R 1M0	WebSphere Application Server Extensions	
5733w51 0019	V5R 1M0	WebSphere Application Server Extensions	
5/33w51 0020	V5R 1M0	WebSphere Application Server Extensions	
5733#60 0000	VEROMO	WebSphere Application Server V6 ("Bace")	
5733w60 0002	VGROMO	WebSphere Application Server V6 Network Deploy	
×	TORONIO	Compared opprovides and very or retrior deploy	
Software and Fixes task	s		
Collect Inventory		🚯 Install software fixes	
Compare and updat	e software fixes	Peip for related tasks	
	Ip0 16ab: Installed Proc Product Option F373w51 0002 \$733w51 0004 \$733w51 0004 \$733w51 0005 \$733w51 0006 \$733w51 0007 \$733w51 0010 \$733w51 0010 \$733w51 0012 \$733w51 0012 \$733w51 0012 \$733w51 0012 \$733w51 0012 \$733w51 0012 \$733w51 0017 \$733w51 0017 \$733w51 0017 \$733w51 0017 \$733w51 0017 \$733w51 0018 \$733w51 0018 \$733w51 0018 \$733w51 0018 \$733w51 0018 \$733w51 0018 \$733w60 0000 \$733w60 0000 \$733w60 0003 Collect Inventory Compare and updat	Lp0 16ab: Installed Products Product Option Release \$733w51 0002 VSR 1M0 \$733w51 0003 VSR 1M0 \$733w51 0005 VSR 1M0 \$733w51 0005 VSR 1M0 \$733w51 0006 VSR 1M0 \$733w51 0006 VSR 1M0 \$733w51 0000 VSR 1M0 \$733w51 0010 VSR 1M0 \$733w51 0010 VSR 1M0 \$733w51 0011 VSR 1M0 \$733w51 0012 VSR 1M0 \$733w51 0011 VSR 1M0 \$733w51 0015 VSR 1M0 \$733w51 0016 VSR 1M0 \$733w51 0017 VSR 1M0 \$733w51 0018 VSR 1M0 \$733w51 0018 VSR 1M0 \$733w50 0020 VSR 1M0 \$733w50 0020 VSR 1M0 \$733w50 0020 VSR 1M0 \$733w60 0020 <	Ip016ab: Installed Products Product Option Release Description \$ 5733w51 0002 VSR IM0 WAS V5.1 Application server runtime \$ 5733w51 0004 VSR IM0 WAS V5.1 Samples \$ 5733w51 0005 VSR IM0 WAS V5.1 Network Deployment \$ 5733w51 0006 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0007 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0008 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0019 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0010 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0011 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0012 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0014 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0015 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0015 VSR IM0 WebSphere Application Server Extensions \$ 5733w51 0015 </td



Notes

To check if Websphere 6.0 Base or Express is installed, you can use iSeries Navigator on the client.

- In the left-hand pane, expand the system you are trying to use as the iSeries Navigator web server. T
- hen expand Configuration and Service -> Software.
- Click on Installed Products and all products installed on the system will appear in the right-hand pane.
- Check the list for 5722W60.

To check from the green screen, run the command Display Software Resource (DSPSFWRSC).

Trademarks & Disclaimers

© IBM Corporation 1994-2005. All rights reserved.

References in this document to IBM products or services do not imply that IBM intends to make them available in every country.

The following terms are trademarks of International Business Machines Corporation in the United States, other countries, or both:

AIX* AIX 5L* AS/400, AS400e BladeCenter DB2 DB2 Universal Database Domino Enterprise Storage Server* eServer e-business logo* GDPS*	I5/OS IBM* IBM eServer IBM logo* iSeries IBM System i IBM System i5 IBM System p5 Lotus* POWER POWER5	pSeries* Tivoli* TotalStorage* TotalStorage Proven Virtualization Engine xSeries* z/OS* z/VM* zSeries* System z9*
---	---	--

Rational is a trademark of International Business Machines Corporation and Rational Software Corporation in the United States, other countries, or both.

Intel, Intel Inside (logos), MMX and Pentium are trademarks of Intel Corporation in the United States, other countries, or both.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

SET and the SET Logo are trademarks owned by SET Secure Electronic Transaction LLC.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Other company, product or service names may be trademarks or service marks of others.

Information is provided "AS IS" without warranty of any kind.

All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics may vary by customer.

Information concerning non-IBM products was obtained from a supplier of these products, published announcement material, or other publicly available sources and does not constitute an endorsement of such products by IBM. Sources for non-IBM list prices and performance numbers are taken from publicly available information, including vendor announcements and vendor worldwide homepages. IBM has not tested these products and cannot confirm the accuracy of performance, capability, or any other claims related to non-IBM products. Questions on the capability of non-IBM products should be addressed to the supplier of those products.

All statements regarding IBM future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. Contact your local IBM office or IBM authorized reseller for the full text of the specific Statement of Direction.

Some information addresses anticipated future capabilities. Such information is not intended as a definitive statement of a commitment to specific levels of performance, function or delivery schedules with respect to any future products. Such commitments are only made in IBM product announcements. The information is presented here to communicate IBM's current investment and development activities as a good faith effort to help with our customers' future planning.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

Photographs shown are of engineering prototypes. Changes may be incorporated in production models.