IBM.



IBM. Agenda	@server*
	Did you know that LIATE Limited Edition (LIATE
HATS LE	LE) is included in the iSeries Access Family product?
• What Is It?	HATS LE is an on-the-fly 'green screen eliminator' that requires no programming to
 Packaging / Ordering 	use. Simply install it and see how your users can work with all their iSeries screens and applications in a modern, GUI view.
System requirements	 HATS LE eliminates PC network administration and desktop configuration as everything runs on the iSeries as it simply sends HTML to the browser
• How to set up	See how HATS LE compares to HATS and iSeries Access for Web. By the end of this session, you will:
• Using it	 Understand the capabilities of HATS LE. See how to use it in an iSeries network. Know what steps to take next in order to start using it
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Ī	BM.	Client	Requ	ireme	ents		
							@_server*
	Browser	Windows	Solaris	Linux	Macintosh	AIX	
	Internet Explorer 5.2.3+				9		OS/400 V5R2 and V5R3
	Netscape 6.2+	Ø					
	Netscape 7.0+					9	http://ww
	Opera 5.0+						
	Konqueror 3.1+			9			N
	Safari 1.0+						
	Mozilla 1.2.1			9			Netscape Internet Explorer
	Internet Explorer 5.5+						Mozilla
	Any des	ktop with	one of	the ab	ove browse	ers	
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IBM.	http: <myis< th=""><th>series>:2001</th><th>@server*</th></myis<>	series>:2001	@server*
Wizards to work with your WAS server	IBM. (C) IBM Corporation 2000	iSeries Tasks IBM HTTP Server for iSeries Configure the iSeries HTTP Server and SSL IBM WebSphere Application Server - I Configure application servers and deploy application Digital Certificate Manager Create, distribute, and manage Digital Certificate IBM IPP Server for iSeries Configure the IBM IPP Server 4758 Cryptographic Coprocessor Configure the 4758 coprocessor	Express for iSeries titions
	Related task information		Help (Requires JavaScript)
© 2004 IBM Corporation			iSeries. mySeries.







IBM	Configurat	ion Wizard
• You can Configur Wizard fr Adminis Console directly f keying ir – <u>http://s</u> <u>ATSLE</u>	get to the ration rom the trative or go to it by n: <u>serverName/H</u> <u>5/config</u>	Welcome to HATS Limited Edition Help HATS Limited Edition Help HATS Limited Edition allows you to quickly Web-enable your legacy host applications. This wizard will guide you through the steps in configuring this application. Status: This application is active. There are 5 active sessions connected to this application. Note: Configuration changes can affect the current users of this application. Warning: The following users are also configuring this application: hptest (cmriner2.rochester.ibm.com Contrue
^o 2004 IBM Corporation		iSeries. mySeries.

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IBM Connection Settin	igs	@server*
Connection	Configure your ho	ist connection settings. Click Finish if you are done configuring your
 System I want users to 	application, or Ne. above.	xt to continue to the next step. For more information, click the Help icon
connect to	Connection:	
 Doesn't have to be system where WAS or HATS LE is running 	Description:	
	Host name:	localhost
. Dort	Port:	23
· For	Code page:	037 United States
Code page	Workstation ID:	Enable Site of reverse (in applicable) Enable Unice diata streaming (if applicable)
	Tronsidionity.	Server assigned Set to value (wildcards allowed): Set to value (wildcards allowed):
Workstation ID		O Prompt user
a i a	Security:	Certificate file: Upbad
• Security - SSL		OK Cancel
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IBM. Customize yo	ur templ	ate	@server*
 Set up your: 	Configure Temp	late : CorporateBanner.jsp	Help 🖓
 Windows title 	Configure this te done configuring	mplate to look more like your corporate Web site. your application, or Next to continue to the next s	Click Finish if you are step.
	Window title:	Welcome to 'My Company' Web Site	
 Banner text 	Banner text:	My Company	
 Banner background 	Banner background:	sportsmast.gif 🗸	Upload Preview
∙.GIF ∙.JPG	Style sheet:	whitetheme.css	Upload
	To preview how y	our customized template will appear, click the Pr	review button.
 Style sheet 			Preview
Preview it		Back Ner	xt Finish Cancel
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IBM.	Transformation	Settings	@	server"
Define 'lo	ok and feel' of			
HOSt SCI		Transformation Settings		Help 🕫
users		Select how to render your configuring your application	transformed host screens. Click Finish if you are on, or Next to continue to the next step.	e done
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Detect T Detect S	ables Subfiles	✓ Detect selection lists	C Button C Button table Render as:	Settings
• Dotoct F	liolde	Detect tables		Settings
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		☑ Detect fields	Fields are always detected.	Settings
This panel ha HATS LE V	s been reorganized from 4 to V5		BackNextFir	hish Cancel
© 2004 IBM Corporation			iSeries. myS	eries.





IBM. Subfile Rend	ering	@server*
Subfile rendering is a key differentiator of HATS LE from other browser-	Subfile Settings Select how to recognize and render subfiles on the host sor Recognize using default algorithm Action Recognition	Heip ?
based 5250 emulators	The subfile actions are recognized based on a te attributes should be used to recognize the action String before leading token: Leading token true:	ext pattern. Configure the text pattern and specify if other s.
	Delimiter:	=
	Color:	BLUE
	Must check for high intensity	
	Must be high intensity	
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BM. More Settings for Su	bfile Rendering	g @serve
Header recognitionTable recognition	Marker recogn	nition
	Marker Recognition	
Header Recognition	Specify the attributes to be used to rec any of the checked attributes is true.	ognize subfile end marker. The end marker will be recognized
Specify the attributes to be used to recognize subfile headers. A header will be recognized if any of the checked attributes is true.	Recognize by text	
Recognize by text	Text:	MoreIBottom
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Must be specified color	Start column:	1
Color: BLUE	End row:	24
High intensity	End column:	00
Specified color	High intensity	
Color: BLUE	Start row:	1
	End row:	24
Table Recognition	Start column:	1
Column delimiter:	End column:	80
	Empty row	
Marker Recognition	Start row:	1
any of the checked attributes is true.	End row:	24
lone	Done Done	

			@ser
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 List option st 	tyle class		
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•		Lat option style class:	HATSOPTION
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		Table cell style class:	HATSTARLECELL
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Submit button caption:	Submit	Odd row style class:	HATSTABLEODDROW
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Button row style class:	HATSTABLEHEADER	\$tyle:	
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List option style class:	HATSOPTION	O Display as a button	
Table style class:	HATSTABLE	O Display as a link	
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Odd row style class:	HATSTABLEODDROW	1 1	OK Carr
Even row style class:	HATSTABLEEVENROW		
Style:		(彼) Done	
(E) Done			



IBM. Configuration Summary	/@server*			
Review the configuration settings you ha	ve selected and try it out			
 The 'Activate Application' box defaults to on soon as you press the 'Finish' button users iSeries through HATS LE You can now click on the link of the iSeries 	If you leave it checked, then as will be able to start accessing your you just configured and sign on			
Connection Settings	E Liciox Leb. E Liciox Sobborr E Hodair Lard			
Connector: Heat name: Port: Code page: With/station ID: SSL enabled: Is118a IoNeut: tocanext: 22 011 trained States From value Ctate[R** Tro: seriesd: tocanext: 22 011 trained States Tro: Tro:	Configuration Complete!			
Tergelate Sport Jio Show application keypad Yis Show host keypad No Keyboard seport exabled. Yas	You have successfully configured this application. It is active and can be accessed by navigating to the following URL: <u>http://myiseriles_abc_ubm.com/2044/HATSLE</u>			
Interact Conception Unders the Charger Has Sin. Server Here: Note: Children & Mole: This application can be reconfigured by accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to accessing the <u>Configuration Witard</u> , it can be administered to ac				
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	ug vir			
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IBM. c	connect to iSeries via HATS LE	•
Users star http://serv	t their browsers and enter url of HATS LE erName/HATSLE	
	Access for Water - Nozilla Firefox Proved - Nozilla Firefox Firefox Proved - Nozilla Firefox F	
	Sign On System	
	IBM s internal systems must only be used for conducting IBM s business or for purposes authorized by IBM management (Ch. CONDUCTE IBM CORD. 1000. 2002) (M.	
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IBM. Multiple Conne	ection Settings
To add more connections • Go back into the Configuration wizard • Press Add button to add more connections – Set up Connection Page	Connection Settings Help ? Configure your host connection settings. Click Finish if you are done configuring your application, or Next to continue to the next step. For more information, click the Help icon above. Add Edd Edd Deeter Idd Idd Edd Select Connection Active Connection Name Description Host Name Image: Ima
© 2004 IBM Corporation	iSeries. mySeries.











IBM	Example: Unique Workstation IDs
Connection Settin Configure your ho	gs _{Holp} Ο st connections settings. Click Frish if you are done configuring your
above.	w o conside to the text sep, i or more morthagon, and are replaced
Host name:	liocalhost
Port:	23
Code page:	037 United States
Workstation ID:	
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	0n System : ISERIESD Subsystem : ↓ UINTER Display : ↓ WUSER_DYY
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IBM.	Manage C	onne	ections				@se	erver*
<u>htt</u>	p://serverName/	HATSL	E/admin					
• This	s page lists the	sessi	ions conn	ected vi	a HATS	LE		
	Home Logout Language	Help						
	Configure	Manage Co	nnections				Help ?	
	Manage Connections	The table be currently 3 a	elow lists all current, o active connection(s).	onnected sessio	ns to this applica	ation. Th	ere are	
	Advanced	Disconnec	t				٩	
		Sessio	on ID	Connection Name	IP Address	<u>Status</u>	Start Time	
		WzAks	TocxJqiffCvd9G5Fs	iseriesd	9.10.110.192	Ready	5/18/04 4:11 PM	
	V	9prSq	jKdSJndqlTrvN2rbip	lp116ab	9.10.110.192	Ready	5/18/04 4:18 PM	
		3kmXł	HFy93tp7f07nf-morlA	lp116ab	9.10.110.192	Ready	5/18/04 2:42 PM	
© 2004 IBM Corporation					iSeri	es.	mySe	ries.











IBM.	Use Access for Web 'Printer Output' f	unction
I want t click o Web p outpu <i>My iSeries</i>	o use HATS LE for my 5250, and I would like them to on a link and be able to use the iSeries Access for printer output function to work with their spool file t (ie, PDF conversion)	
Jaras Botush Detensh Detensh Reysourd off Roman Spool PLIS	MAIN 02/40 MAIN MENU DYSTEM ROMADOW ELECT ONE OF THE FOLLOWING: 9. OFFICE TARKE 9. OFFIC	Add a link to iSeries Access for Web 'Printer Output'
© 2004 IBM Corporation	iSeries	s. mySeries.

IBM Add Access for Web	PDF link to HATS LE
Edit your template to include linking to iSeries Access for W to modify your template is to open the HATS LE Admin Con Note the circled additions put in the template <1DOCTYPE HTML PUBLIC *//W3C/DTD HTML 4.01 Transitional/EN> <1TML> <%@ page impot="java util.", com.ibm.hats.common." %> <%@ page impot="java" contentType="text/html; charset=UTF- %%@ <1gape impot="java" contentType="text/html; charset=UTF- %%@ title><4hEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1tEAD> <1	eb Printer Output so users can see/print their jobs The easiest way sole, click "Advanced", select your template and click "Edit".
° 2004 IBM Corporation 	

IBM Access for	Web – Printer Output Screen
CMINER user profile customized in Access for Web – To not show 'Navigation Bar' (ie,	User must sign on again to use iSeries Access for Web
no access to other functions) – Different logo	Some the pastwood by your pastwood bit Ore Concel
Once user is finished here, they press browser back button to return to	Finite Output for chimitel K ≪ N (1)
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IBM Modify Connec	ction Set	tings	@server*
Connection list: Choose the Edit but	ton to modify the	connection list settings.	
You can use the	Home Logout Language Configura	Nep Connection List Display Editor	O date
Editor to modify your connection parameters	Manage Connections Advanced	Mostly the user-displayed connection list <u>Ortsigns that distributions waves</u> Choose the orientation for the displayed connection list. We have a second secon	
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IBM. Access for V	Veb – Subfile look
Same OS/400 command screen viewed by 5250 emulator in Access for Web	CONTROL C
© 2004 IBM Corporation	iSeries. mySeries.

Capability	Access for Web	HA1
5250 display emulation		
•Can enable 'More' on a button, cursor positioning help (ie, will perform function that pressing F1. F9. etc would do)	Yes	Yes
•Can specify to have drop down lists	No	Yes
Can detect selection lists and tables and provide an enhanced GUI look	No	Yes
Provides special handling for Subfiles	No	Ye
 Can start multiple 5250 sessions to multiple iSeries servers from single brows connection 	er Yes	No (
•Macro support to eliminate entering repetitive commands or even bypass the second sign-on screen.	Yes	No
•One centrally administrated user interface applies to all 5250 users	Yes	Ye
Keyboard support		
 Internet Explorer/Netscape - can press Function keys, page up/down, etc 	Yes	Yes
Web page customization		
 Templates included for setting up GUI (ie, company logos, etc) 	No	Yes
 Can build different front pages ('window) for different users 	Yes	No
Web application servers supported:		
•WAS - all V4 and V5 versions	Yes	Ye
•Runs as a portlet in WebSphere Portal Express	Yes	No
•ASF Tomcat	Yes	No
GUI access to iSeries resources		
 Database, Printers, Printer Output, IFS, NetServer 	Yes	No (

TDM

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Ī	SM. Web	Catalog Options	@server"
	Part Number	Title	1
	D52WALL	HATS FOR MULTIPLATFORMS, CONCURRENT, LIC+SW MAINT 12 MONTHS	
	D52WTLL	HATS FOR ISERIES, CONCURRENT, LIC+SW MAINT 12 MONTHS	
	D53H4LL	HOST ACCESS TRANSFORMATION SVC INTR REG LIC+SW MAINT 12 MO	
	D53H7LL	HATS FOR ISERIES, REGISTERED, LIC+SW MAINT 12 MONTHS	
	http://v	vww-306.ibm.com/software/sw-atoz/	
° 2004 IBM	1 Corporation		
2004 1014		iseries. m	yseries.

IBM. **Comparison Table**

@server

Function	HATS	HATS LE
On-the-fly rules-based conversion of host screens to HTML GUIs	Yes	Yes
No need to access or modify source code	Yes	Yes
Host applications can be deployed to the Web within hours	Yes	Yes
Does not require modification when changes are made to host applications	Yes	Yes
Zero-footprint, zero-download - only code needed on the client is a Web browser	Yes	Yes
Supports iSeries subfiles	Yes	Yes
Provides native keyboard support	Yes	Yes
Secure HTTP (HTTPs) and Secure Socket Layer (SSL) security	Yes	Yes
Runs with WebSphere Application Server V4 & V5, including V5 Express	Yes	Yes
Leverages reliability and scalability of WebSphere Application Server	Yes	Yes
Works with Internet Explorer and Netscape Web browsers	Yes	Yes
Supports 5250 hosts	Yes	Yes
Supports 3270 hosts	Yes	No
Requires a WebSphere Studio installed on PC (either V4 or V5) to customize HTML	Yes	No
Uses Web-based Configurator and Management tool to customize HTML	No	Yes
Runs on iSeries Server Platform	Yes	Yes
Pupe on AIX Windows Solaris and Series Server Platforms	Yes	No

IBM Differences (continued)		@serve
Function	HATS	HATS LE
Any individual screen can be fully customized	Yes	No
Generate and run macros	Yes	No
Skip and combine screens	Yes	No
Store & retrieve data in global variables	Yes	No
Enter data on behalf of end user	Yes	No
Convert text entry fields to valid value lists	Yes	No
Create tabbed folders (with easy to use wizards)	Yes	No
Create bar & line graphs (with easy to use wizards)	Yes	No
Redirect users to other URLs	Yes	No
Globally replace text	Yes	No
Add business logic	Yes	No
Print locally with PDF printing function	Yes	No (1)
Use HATS portlet to integrate with WebSphere Portal	Yes	No
(1) Can combine use of iSeries Access for Web to work with s	pooled printer	output and convert to PDF
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