



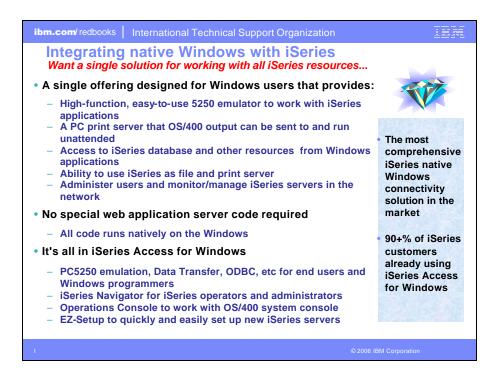
V5R4	V5R3	V5R2
5722-XW1	5722-XW1	5722-XW1
iSeries Access Family	iSeries Access Famil	iSeries Access Family
 iSeries Access for Windows,	 iSeries Access for Windows,	 iSeries Access for Windows,
5722-XE1, V5R4	5722-XE1, V5R3	5722-XE1, V5R2
 iSeries Access for Web,	 iSeries Access for Web,	 iSeries Access for Web,
5722-XH2, V5R4	5722-XH2, V5R3	5722-XH2, V5R2
		 WebSphere Host Publisher, 5724-B81, V4.0, 5724-B81, V4.01
	 HATS Limited Edition V5.0, 5724-F97-01 	 HATS Limited Edition V4.0 5724-D34-01
 iSeries Access for Linux,	 iSeries Access for Linux,	 iSeries Access for Linux,
5722-XL1	5722-XL1, V1.10	5722-XL1, V1.0
 iSeries Access for Wireless,	 iSeries Access for Wireless,	 iSeries Access for Wireless,
5722-XP1, V5R4	5722-XP1, V5R3	5722-XP1, V5R2
	V5R3 customers not wanting to upgrade to i5/OS V5R4 but want the new V5R4 iSeries Access Family clients can order no-charge Feature No. 2648 of Product No. 5722-XW1	V5R2 customers not wanting to upgrade to i5/OS V5R3 but want the new V5R3 iSeries Access Family clients can order no-charge Feature No. 2647 of Product No. 5722-XW1

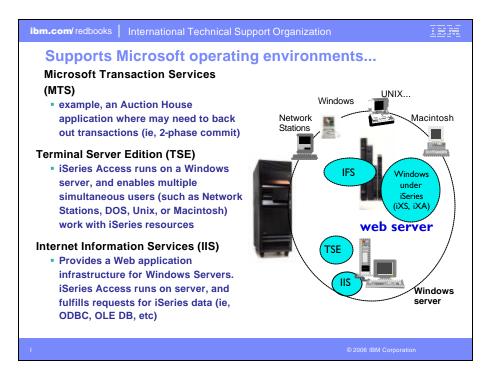
Products - Fo	ocus		
Description	Product	Product Number	Need 5722-XW1 to use
Family Name	➢iSeries Access Family	5722-XW1	Yes
Windows client	➢ iSeries Access for Windows	5722-XE1	Yes (for 5250 and Data Transfer)
Linux client	iSeries Access for Linux	5722-XL1	Yes
Browser Access	➢iSeries Access for Web	5722-XH2	Yes
Handheld / Wireless offering	 ➢ iSeries Access for Wireless ➢ iSeries Toolbox for Java ME 	5722-XP1	No
OS/400 systems management	 iSeries Navigator Operations Console EZ-Setup 	Packaged in 5722-XE1	No

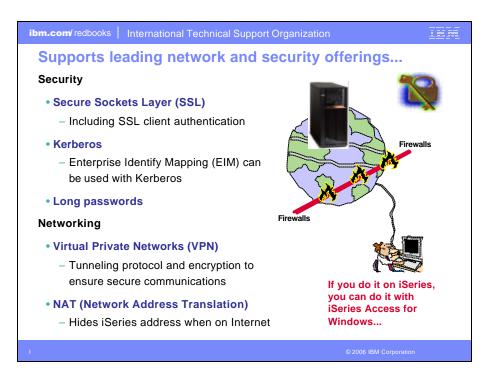
Flexible Purchase Options Processor-Based = purchase price based on software tier, connect unlimited numbers of users User-Based = purchase only number of users who will be concurrently connected Note: Can upgrade from User-Based to Processor-Based, but cannot go back to User-Based after purchasing Processor-Based Software maintenance included in base OS/400 software subscription

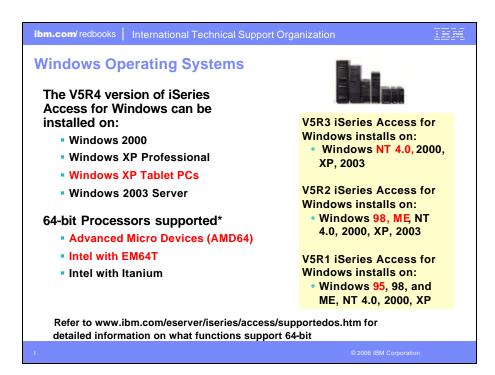
ibm.com/ redbooks | International Technical Support Organization IEM **Core LOB Solutions** Internet Extranets iSeries ore LOB Intranet Looking for highly functional and integrated solution for: Windows servers and Windows desktop users iSeries administration and operation

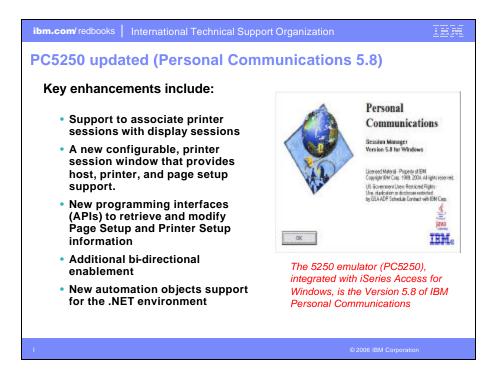


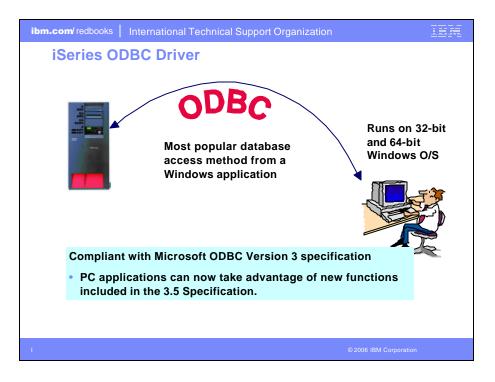




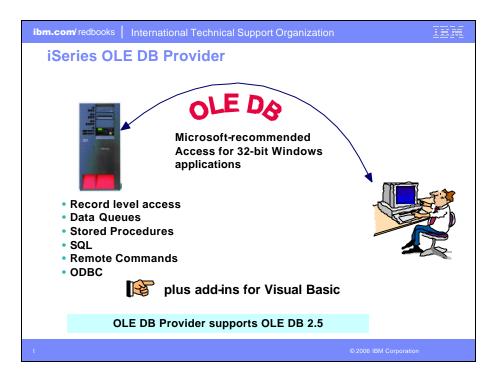


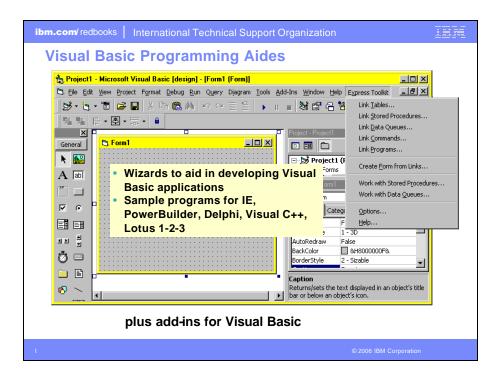




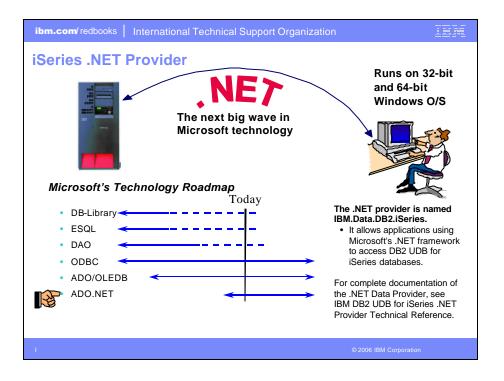


ibm.com/redbooks Internationa	al Technical Support Organizati ts – V5R4, V5R3, V	
V5R4 Enhancements Requires i5/OS V5R4 ? 128-byte column names ? Maximum SQL statement lengths of 2,097,152 bytes or 1,048,576 characters ? Support for IBM Enterprise Workload Manager (eWLM) correlator ? Support for lock sharing between loosely coupled transactions OS/400 V5R2 or later ? Improved support for delimited names	V5R3 Enhancements ? Support for BINARY /	V5R2 Enhancements ? 64K SQL Statements ? Additional descriptor information ? MTS Support (actually shipped in V5R1)
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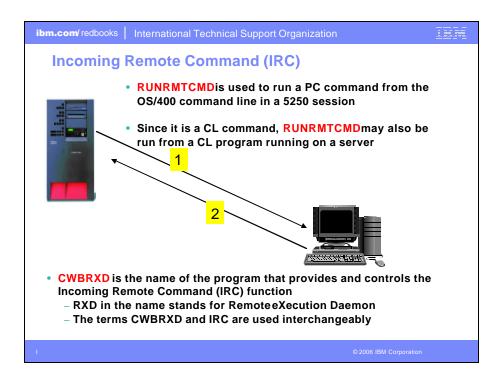
ibm.com/redbooks International Technical Support Organization OLE DB Enhancements - V5R4, V5R3, V5R2		
V5R4 Enhancements	V5R3 Enhancements	V5R2 Enhancements
Requires i5/OS V5R4 128 byte column names Maximum SQL statement lengths of 2,097,152 bytes or 1,048,576 characters Support for IBM Enterprise Workload Manager (eWLM) correlator DS/400 V5R2 or later System naming and library list Improved support for delimited names	 ? New SQL -only provider (IBMDASQL) SQL commitment control using IBMDASQL MTS support using IBMDASQL SQL Custom blocking in SQL SQL data compression SQL package support New Record-Level Access-only provider (IBMDARLA) Record-level access support for forward-only cursors and blocked reads using IBMDARLA Supports updatable cursors for the SQL dialect Database BINARY and VARBINARY data types Database larger decimal precision support UTF-8 & UTF-16 support 	 ? Custom properties added Force Translate (translate CCSID 65535 data) Default Collection Catalog Library List Convert Date Time To Char ? Supports updatable cursors for the SQL dialect ? Supports ROW-ID ? 64K SQL Statements ? Additional descriptor information ? Is thread safe ? OLE DB provider work with Windows products, such as: Visual Basic 6.0 OLE DB controls and wizards ADO 2.1 - ships with Microsoft IE 5.0 and Office/2000 products An OLE DB Interface is provided to support ADO recordset Seek (ADO 2.x)



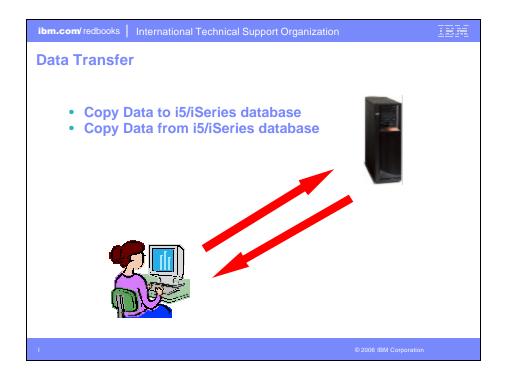
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.NET Enhancements – V5R4, V5I	R3
V5R4 Enhancements	V5R3 Enhancements
Requires i5/OS V5R4	Requires OS/400 V5R2 or later
? 128 byte column names	? SQL (INSERT,UPDATE,
? Maximum SQL statement lengths of	DELETE)
2,097,152 bytes or 1,048,576 characters	? Commitment Control
? Support for IBM Enterprise Workload	? Connection Pooling
Manager (eWLM) correlator	? SQL naming
Requires OS/400 V5R2 or later	? Unicode
? System naming and library list	? Tracing
? Support for LOB data types	? Threads
? Support for multiple active result sets	? IASPs (multiple databases)
per connection	? Stored Procedure Support
? Customizable String processing for	? iSeries-specific Properties
Char for Bit Data, Date, Time,	? User-Defined Types
Timestamp, Decimal, and Numeric data	Supported later via SP SI15176
types	? System Naming (/)
? Support for IntelliSense	? Library List
? Additional sample programs	? Large Objects (LOBs)
? Improved support for delimited names	© 2006 IBM Corporation

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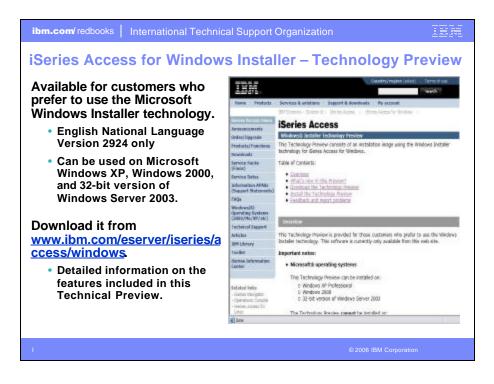
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Redbook - SG24-6440 8,000+ downloads in first 6 months!
Integrating DB2 Universal Database for iSeries with Microsoft ADO .NET
Customers have been using the IBM DB2 UDB for iSeries for many years with data access technologies such as ODBC and OLE DB. The newest data access technology from Microsoft is called ADO.NET. Applications that use ADO.NET with the iSeries can work with several different .NET providers:
 The IBM.Data.DB2.iSeries provider, a .NET-managed provider new to iSeries Access for Windows in V5R3 The IBM.Data.DB2 provider, a .NET provider that works with all IBM eServer platforms in conjunction with DB2 Connect The Microsoft System.Data.OleDb provider, as a bridge to one of the OLE DB providers included with iSeries Access for Windows (IBMDA400, IBMDASQL, and IBMDARLA) The Microsoft System.Data.Odbc provider, as a bridge to the ODBC driver included with iSeries Access for Windows This IBM Redbook shows customers how to use ADO.NET effectively to harness the power of DB2 UDB for iSeries, showing examples, best practices, pitfalls, and comparisons between the different ADO.NET data providers.
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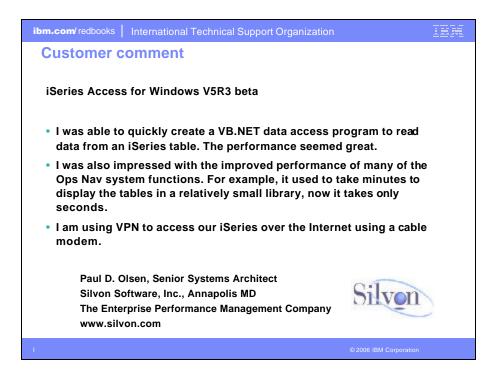


V5R4 V5R3	
program interfaces (CWBRC.H) that run on the PC have been changed to allow a more complete list of job messages	 A new option: <i>l</i>oadprof Allows commands to have access to the user-specific registry and environment variable settings while they are running Some commands require setting this option in order to work properly This option can be saved on the Incoming Remote Command tab of iSeries Access for Windows Properties, where it is called Load user profile when command run in user contex For further information regarding this new option, refer to the CWBRXD and Incoming Remote Command topic in the User's Guide (use this path: Start > Programs > IBM iSeries Access for Windows > User's Guide
text output that i Commands are command promp The output that system If the command When a comma Windows history sent the remote	temote Command function runs a command on the Windows PC and then routes any is generated by the command back to the requesting system. sent to the Windows PC in the format of commands that are typed on a Windows of would normally appear in that command prompt is sent back to the requesting produces no output, a no output message is sent instead. Ind is sent from a remote system, a message is logged in the iSeries Access for / log. The message information that is logged identifies the system and user ID that command, the text of the command that was sent, and whether or not the command user ID is specified with the command, no user ID is logged.



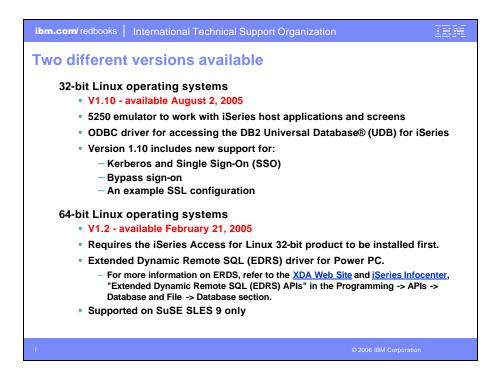
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Data Transfer	Enhancements – V5R4, \	/5R3, V5R2	
V5R4 Enhancements	V5R3 Enhancements	V5R2 Enhancements	
 ? Support MS Excel XML Spreadsheet format ? Support 128-byte column names ? Support PC selection of an independent auxiliary storage pool (IASP) ? Support creating and overwriting empty query result sets ? Improved support for delimited names (requires V5R4 SP1) 	 ? Unicode enablement / New Unicode text file type Support UTF-8 and UTF-16 data in DB2 database tables ? Support larger decimal precision ? Support BINARY and VARBINARY SQL data types ? Support most recently used request list and last directory in Excel Add-in ? Date/Time fields recognized by Data Transfer and now stored on DB2 for iSeries as 'date or time' field. ? Option to convert numeric to character when transferring to iSeries DB ? Support data compression for faster transfers 	 ? Support for uploading more than 256 columns of data to a database file ? Add-ins for Excel to upload data directly from spreadsheet ? Support Excel V7 (BIFF7) and V8 (BIFF8) file formats. (Excel 97 and 2000 use V8 file formats) ? Support Lotus 123 V9 file format (with 65,536 rows) ? Support numeric cells within formula (Excel, Lotus 123) ? Support new iSeries database functions 	
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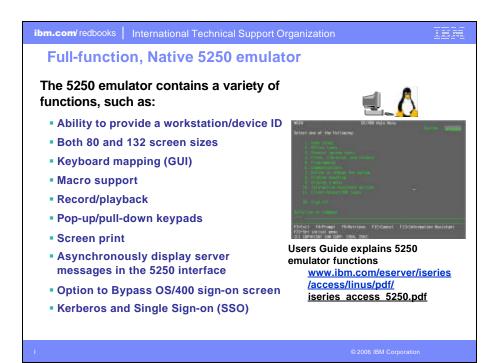




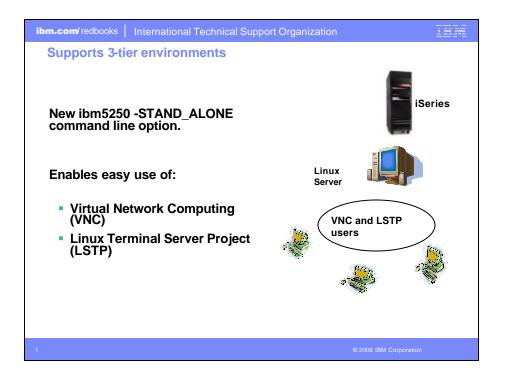
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What is iSeries Access for Linux	А
iSeries Access for Linux includes the following features:	\mathbf{O}
 Full function 5250 emulator This function enables end users to work with i5/OS system screens and run host applications 	Designed to run natively on Linux operating systems
ODBC driver	
 This function enables your Linux PC applications to access information in DB2 UDB for iSeries 	
 iSeries Access APIs – RmtCmd, NLS, System Object 	
Supported for use on the following: Linux operating systems with Intel processors and on Power iSeries server logical partition (LPAR) 	PCs
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iSeries Access for Linux – 2006 news	
64-bit package is being enhanced to include a 64-bit ODBC driver that will run on 64-bit PowerPC.	
 This driver is functionally equivalent to the 64-bit ODBC driver currently included in iSeries Access for Windows. 	
 The 64-bit ODBC driver will be included in the web download in 1H06 	
New 32-bit package (Version 1.12) to be available in 1Q06	
Mainly fixes and ODBC compatibility with Windows version	
Futures (not committed yet)	
 Ability to run the 64-bit version on 64-bit AMD/Intel EM64T BIDI support 	
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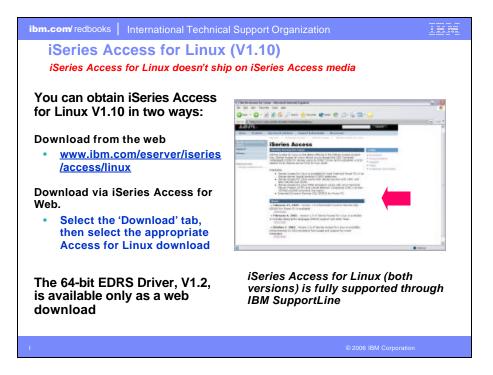


Native ODBC Driver	C Data Source Project	rtios (now)	1
Extending the reach to iSeries data Can run ODBC applications, such as: • OpenOffice • ODBC and PHP for Web Serving • ODBC and Perl • unixODBC DataManager - "Explorer" type of application to manage DSNs - Run and view results of SQL requests - unixODBC 2.2.3 version ships DataManagerII with additional features • unixODBC isql - Command line application - Neat way to generate simple HTML page with data tables • Your own applications	iSeries ODBC d	0	



National Language Suppo	ort - SBCS	5	
FOFO emulation menus and	Language	Locale	Description
5250 emulation menus and	2922	pt_PT	Portuguese in Portugal
messages are available in many national language	2924	en_US	English
versions	2925	fi_FI	Finnish
	2926	da_DK	Danish
The main emulator window	2928	fr_FR	French
labels and helper	2929	de_DE	German
applications are translated and will display based on the \$LANG system environment variable	2931	es_ES	Spanish
	2932	it_IT	Italian
	2933	no_NO	Norwegian
	2937	sv_SE	Swedish
	2929	de_CH	German Swiss
 The command line value – LANGID may also be used to set the language 	2940	fr_CH	French Swiss
	2942	it_CH	Italian Swiss
	2963	nl_BE	Belgium
	2966	fr_BE	French in Belgium
 English text displayed for missing NLVa 	2980	pt_BR	Portuguese in Brazil
missing NLVs	2981	fr_CA	French Canadian
		-	÷

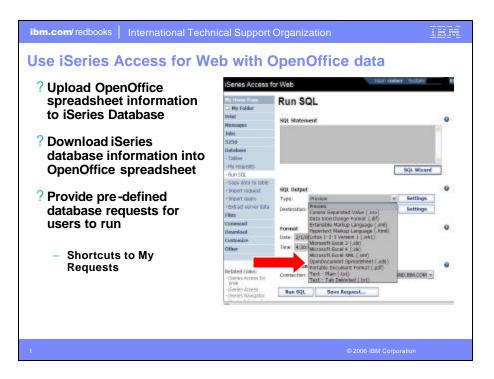
ibm.com/ redbooks	International Tec	chnical Support Or	ganization	1276			
	anguage Su			ed below			
Language	Simplified Chinese	Traditional Chinese	Japanese	Korean			
XIME	xcin-zh_CN	xcin-zh_TW	kinput2	nabi			
xx (MRI dir /opt/ibm/iseries Access/mri/xx)	zh	zh_TW	ia	ko			
LANG	zh_CN	zh_TW	ia_JP	ko_KR			
Font Encoding SB	iso8859-1	iso8859-1	jisx0201.1976-0	iso8859-1			
Font Encoding SB	gb2312.1980-0	big5-0	jisx0208.1983-0	ksc5601.1987-0			
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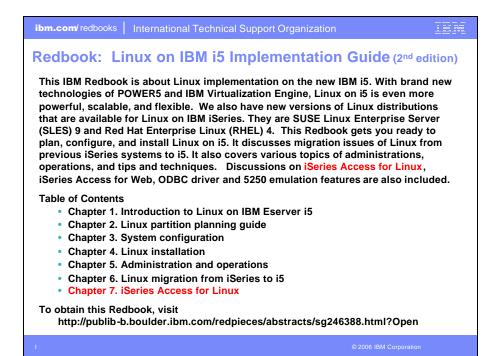


iSeries Access f	or Web	Union: cmityer Dysteen:	RCHLAND.III	н.сон	IBh
Hystianus Pasa Hy Folder Print Hessages		loads 			
Jobs 3250	Nome	Description	File	Size	Action
Database Files Command	Big File iseries Access for Linux (isse)	More than E00 MB Iseries Access for Linux contains a full s250 emulator and an enhanced OBEC driver. For more information ase: http://www.ibm.com/eserver/iseries/access/invac.	big.rar iseriesAccess- 5.2.0- 1.6.i386.rpm	4,101,265	
Download • Downloads • Create download Customize	Access for Linux (PPC)	(Series Access for Linux contains a full \$250 emulator and an enhanced ODBC driver. For more information see: http://www.dm.com/eserver/series/access/linus/.	GeriesAccess- 5.2.0- 1.6.ppc.rpm	4,291,645	90
Other	Windows APP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnsp32dm.exe	9,997,972	19 E

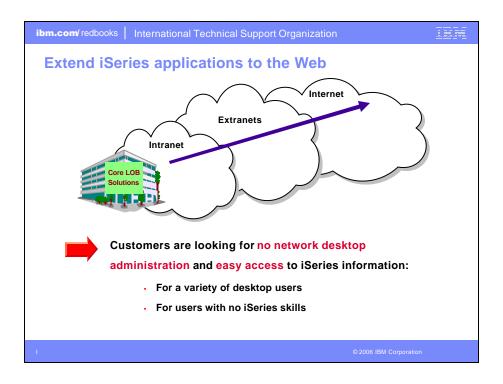




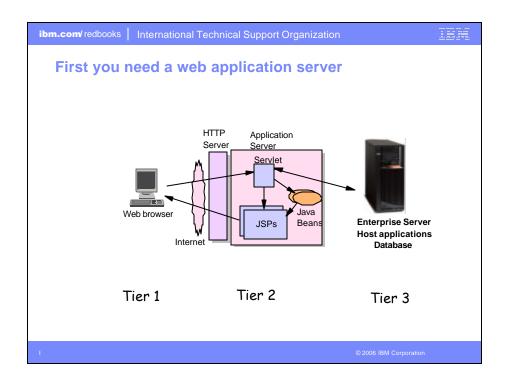






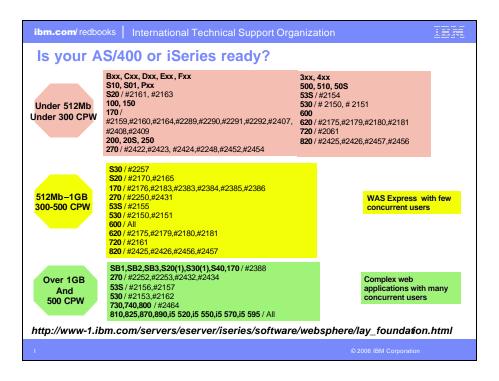


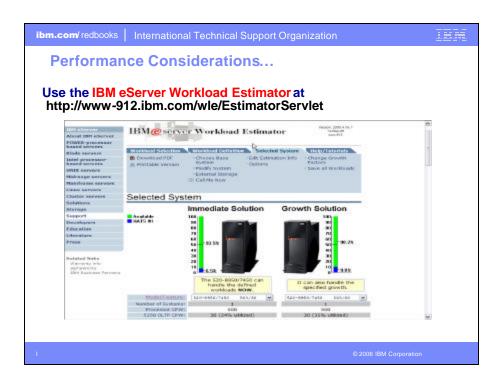


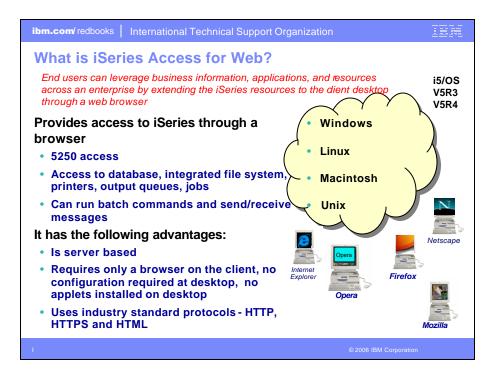


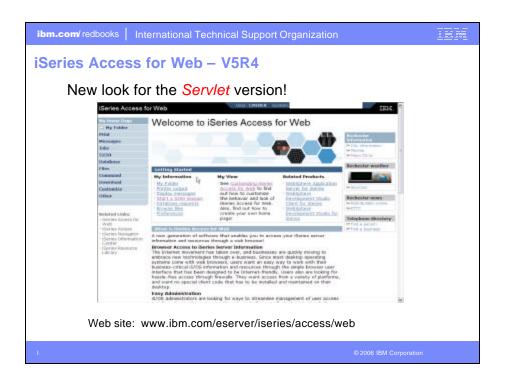
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Supported Web Application Servers						
The iSeries Access for Web servlet code can be used with any of the following web application servers;	The iSeries Access for Web portlet code can be used with any of the following portal servers.					
 WebSphere® Application Server V6.0 – Express for OS/400 	 IBM Workplace Services Express V2.5 					
 WebSphere Application Server V6.0 for OS/400 	WebSphere Portal for					
 WebSphere Application Server V5.1 Express for iSeries 	Multiplatforms V5.1.0.1					
 WebSphere Application Server V5.1 for iSeries 	 WebSphere Portal Express for Multiplatforms V5.0.2 					
 WebSphere Application Server V5.0 Express for iSeries WebSphere Application Server V5.0 for iSeries WebSphere Application Server V5.0 Multiplatforms V5.0 						
www-03.ibm.com/servers/eserver/iseries	/software/websphere/wsappserver					
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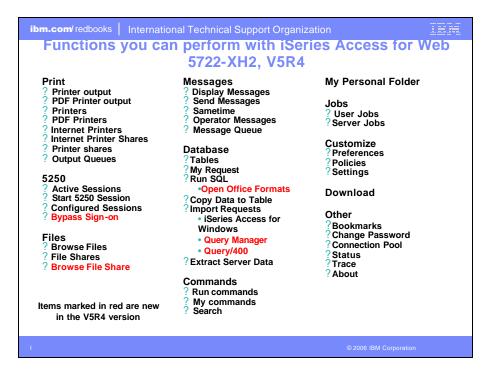


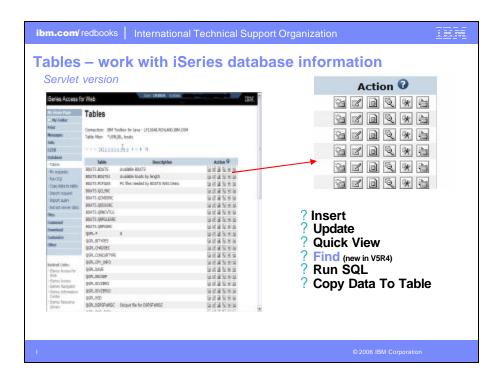


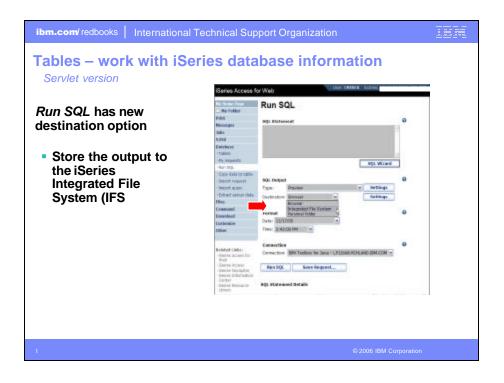


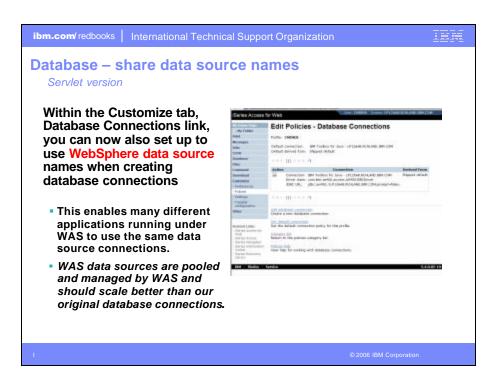




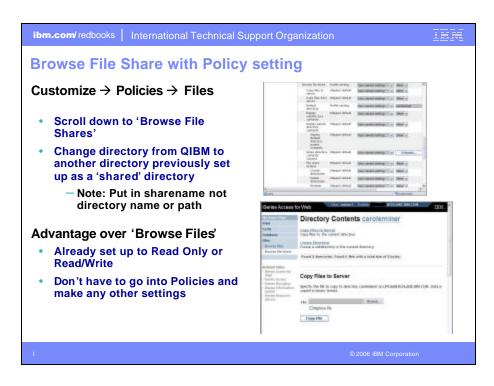




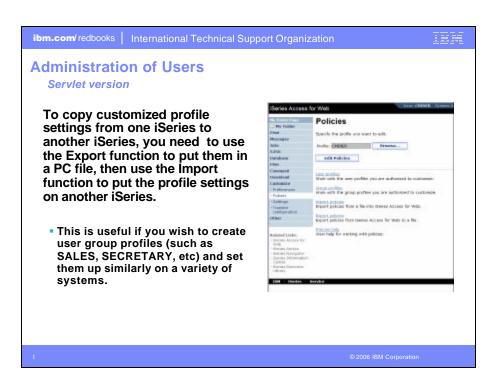


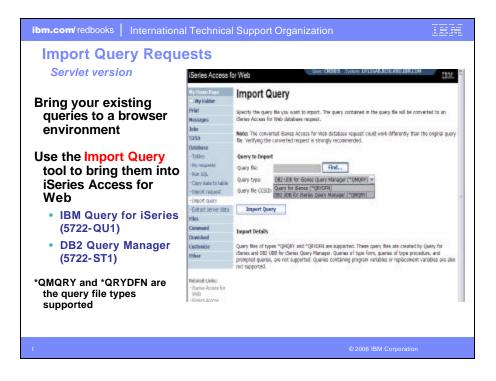


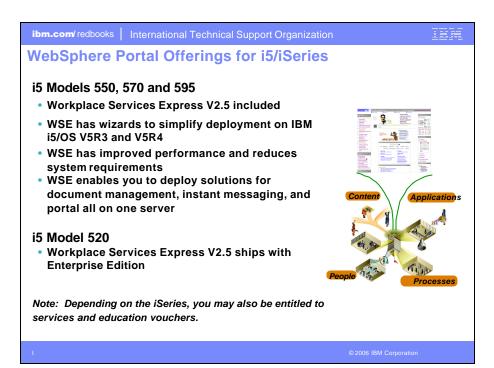
ibm.com/redbooks International Techni Files: Browse File Share L		Organiza	ation		IEM
Files: Browse File Share L Displays directory that is identified in the user's Policy settings • Shipped Default for *PUBLIC is the QIBM folder. • As QIBM is one directory that automatically ships with a 'share' assigned	I DAN Stanies Access I My Folder Viel Messages Jobs SSSO Database Files -Brunes files -Brunes files -Brunes files -Brunes Commend Costenice Other Resolution	Directory Copy Files to 59 Copy files to the Create Director Disate a subdive	current directory (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	ts <u>QIBM</u>	Action 0
1			©	2006 IBM Corpora	ation



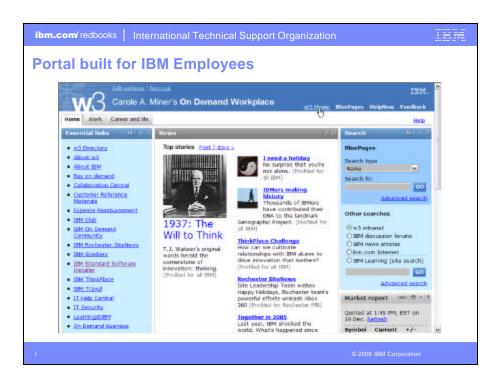
Servlet version			
Administrators can now transfer iSeries Access for Web configuration items between i5/OS user profiles on the same system	Research	Profiles Profiles Profiles To profile	erration Data
 This is useful if you wanted to replicate a category of configuration items to a different user (using Copy action) or transfer ownership of a category of configuration items to a different user (using Move action). 	Extrinse Piles Commonit Doverland Centrantine Forkman Forkman Sattmps The for configuration Other	Action to Perform © cupy © move Data to transfer Estato assans Estato actions Estato actions Estato Estato actions Estato actions Es	0
 The configuration items supported are: 5250 session configurations and macros, saved commands, database requests, My Folder items, and policies. 	Related Links - Hones Access Vela - Sames Access - Sames Access - Sames Detemptor - Same Detemptor - Same Researces	Drukkies Transferitatio Transferior fast data he Vew help for transfering card	



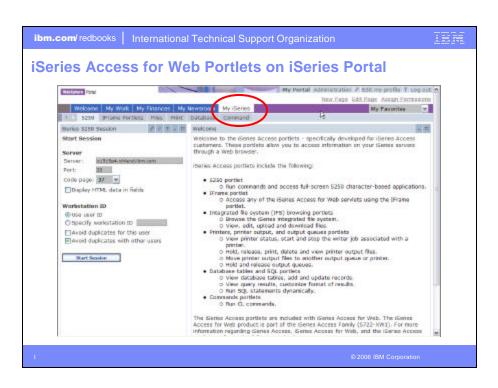




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rtal with iSeries – ado	ditional info	
xible portal licensing (per-us	ser OR per-processor pricing)	
oServer iSories systems	purchased before July 12, 2005	
eServer iSeries Model/Edition	User licenses of IBM WebSphere Portal – Express Plus V5.0.2 included	
eServer iSeries 825, 870, and 890 with Enterprise Edition	20	
eServer i5 520 with Enterprise Edition	20	
eServer i5 550 with Enterprise Edition	40	
eServer i5 570 with Enterprise Edition	60	
eServer iS 595 with Enterprise Edition	80	
eServer iSeries systems pu	rchased on or after July 12, 2005	
IBM WebSphere Portal – Ex		
eServer iSeries Model/Edition	User licenses of IBM WebSphere Portal – Express Plus V5.0.2 included	
eServer iSeries 825, 870, and 890 with Enterprise Edition	20	
eServer i5 520 with Enterprise Edition	20	
IBM Workplace Services Ex	press	
eServer iSeries Model/Edition	User licenses of <u>IBM Workplace</u> Services Express V2.5 included	
eServer i5 550 with Solution Edition	40	
eServer i5 550 with Enterprise Edition	40	
eServer i5 570 with Enterprise Edition	60	
eServer i5 595 with Enterprise Edition	80	

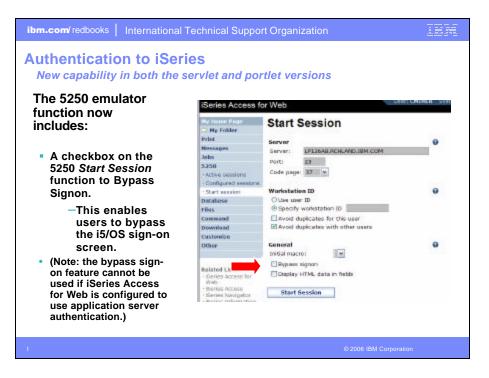


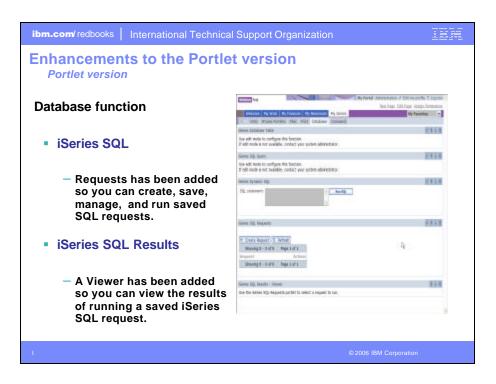
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My Page		the decision of the decision		9		enser.
IBM.		My Vertical News	227-2	My Stocks		122
Welcome to WebSphere 5.0 To narrange portiets on the the Shew tools icon. This produces tools that allow and renews pertiets. Cick add new portlets or chang	ha page, click action you to arcange Edit page to e page layout.			Ge NoriVist (Datraday da	83.48 0.11 2,235.35 -17.31 10,000.55 24.01 1,263.98 -3.34 at least 20 minutes. t Gents Sum to MarketWatch, Inc. the provided by Compar- ractive Data Compar-	1 -0.3 7 0.3 4 -0.3 bol isolo 2005 Stock, a
To create a page, click No		a tild relanses some S	addam-era	My Weather		111
Rodenarks	e gale tak tak	determent • teracity Sharon suffer • teracity Sharon suffer • teracity Cincledes phile • University of State d • Time honors three wi	is onis kilo two etci) ver Bush's varetaps efends NSA spying	Rateic Party State Snow	mber 19, 2005 5:18 ph. North Carolina Sunny gart, Germany og (Poking), China Obudy	:00 PM (48° 24°/ 24°/ 24°/ 23° 17°/
About WebSphere Pertal	- 5	Market & Economy No.	tws	Clear	, Japan	30* 31°/

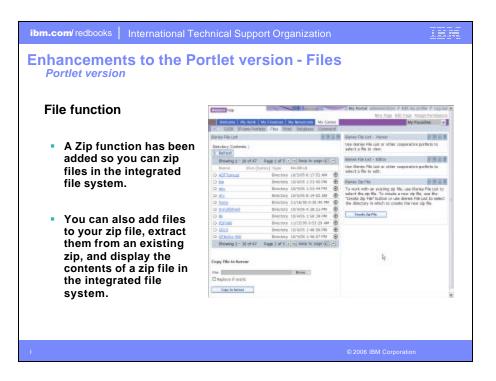


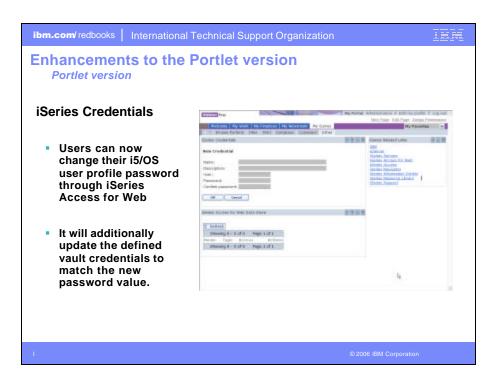








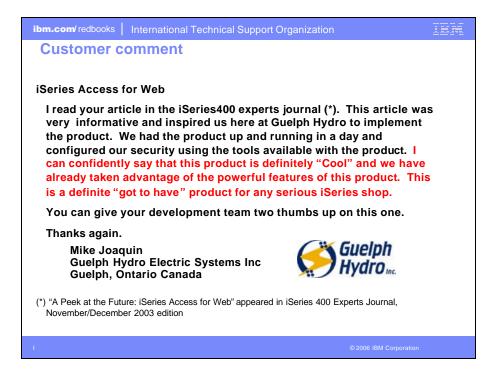




ibm.com/redbooks International Technical Support Organization V5R4 iSeries Access for Web Enhancements							
Both Servlets and Portlets	Servlets	Portlets					
Authentication ? Support Single sign-on (SSO) using WAS security model (EIM, LDAP) ? 5250 Bypass i5/OS sign- on screen Database ? Support for OpenOffice Spreadsheet format (.ods) 5250 ? Support DDS HTML keywords ? Display HTTP/HTTPS URL strings as links	 Database ? Import/run DB2 Query Manager and IBM Query for iSeries queries ? A new output destination of IFS for SQL requests ? New option of 'Find' on Tables link Administration ? Can transfer configuration items between i5/OS user profiles ? Can use WebSphere data source names for database connections Files ? Browse File Share link added 	Database ? iSeries SQL Requests added ? iSeries SQL Results Viewer added Files ? Zip function added iSeries Credentials ? Can change i5/OS password via Access for Web					
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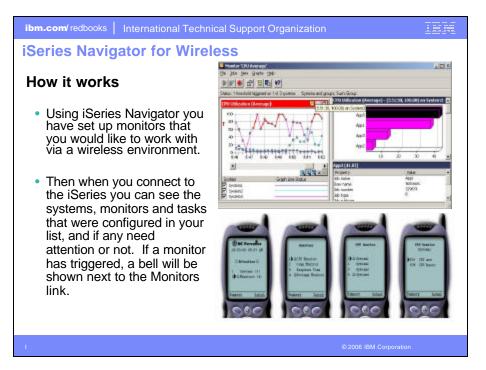


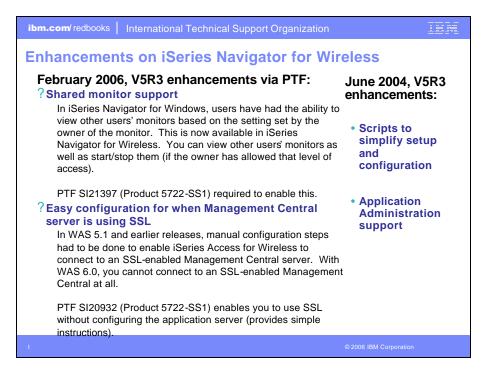
m.com/redbooks International Technical Support Organization 'y out Access for Web for yourself! cart your browser and connect to the following web site: http://iseriesd.dfw.ibm.com/webaccess/iWAHome (case sensitive)				
User ID = WUSER This shows the basic look of Access for Web as we ship it. You can try various functions including working with printer output, creating database requests, etc. Click on the 5250 tab, sign onto the iSeries, then start an RPG application called BOATS and run it.				
User ID = BOATADMIN Password = DEMO2PWD	This is an example of how a customer might design a web page for their use. You will see that an end user could start the same BOATS application by clicking on the 5250 session or they could have used WebFacing to run the application. You will also see other links that would let a user work with spoolfile information, work with IFS, run database requests, etc			

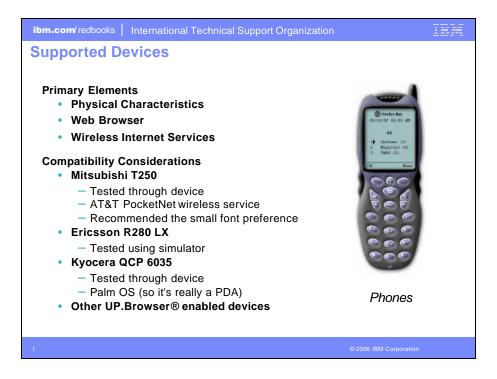


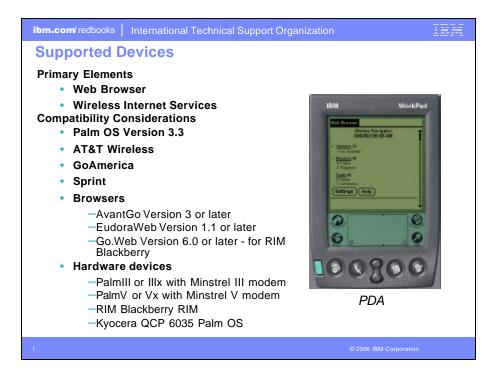




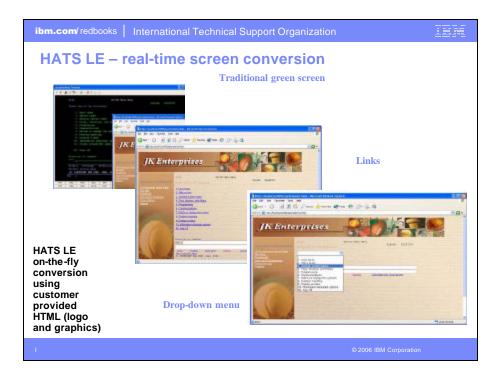


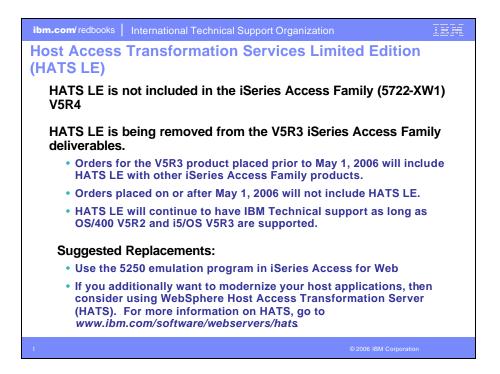


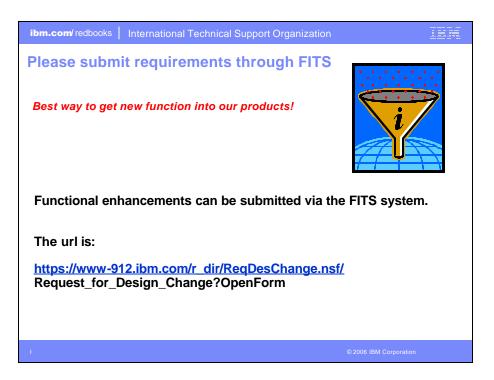


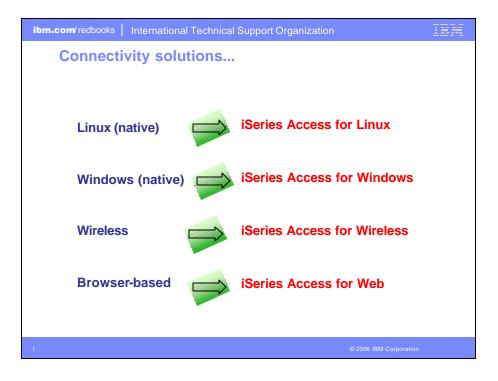














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user will experience will vary depen	iding upon considerations such as the amount of acessed. Therefore, no assurance can be given the	narks in a controlled environment. The actual throughput or perform multiprogramming in the user's job stream, the I/O configuration, the nat an individual user will achieve throughput or performance improv	storage				
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