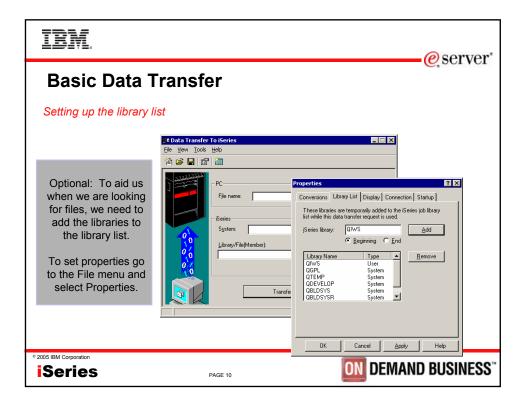
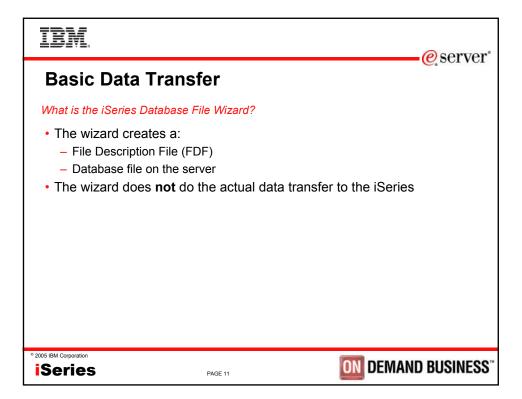


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Basic Data	Transfer	erver <sup>*</sup>
Selecting the PC file	that contains your data	
	Create Series Database File       PC File Name         PC File Name       What is the name of the PC file which contains your data?         Create Arrows and the provide	
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IBM.		eserver*
Basic Data	Transfer	C Server
Selecting the PC File	е Туре	
	File Type         What is your PC file type?         Ele type:         123 Lotues	zel Help
* 2005 IBM Corporation	PAGE 14	<b>DN</b> DEMAND BUSINESS"

IBM.		eserver <sup>®</sup>
Basic Data	Transfer	
The File Description	File panel	
	Create Fiseries Database File       ✓         Create File Description File       Create File Description file description file you would like to create?         What is the name of the file description file you would like to create?       Ele name:         Ele name:       Mangoditarsufer/Costformer FDF       Browse         < Rack       Next>       Cancel       Help	
<sup>©</sup> 2005 IBM Corporation <b>iSeries</b>	PAGE 15	EMAND BUSINESS"



IBM.		eserver"
Basic Data	Transfer	e, ser ver
The Scan PC File pa	nel	
	Create (Series Database File         Scan PC File         To create an iSeries database file the PC file         must be scanned to determine its data layout.         Select Start Scan to begin the scan.         Entert Scan         Entert Scan         Entert Scan         Entert Scan         Start Scan         Entert Scan         (Back Next)         Cancel	
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IBM.		e server	
Basic Data Tra	ansfer		
The Contents of PC File	The Contents of PC File panel		
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<sup>©</sup> 2005 IBM Corporation <b>iSeries</b>	PAGE 18	<b>DEMAND BUSINESS</b> <sup>**</sup>	

IBM.		a comion
Basic Data Tr	erver*	
The Field Details panel		
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<sup>©</sup> 2005 IBM Corporation	PAGE 19	DEMAND BUSINESS"

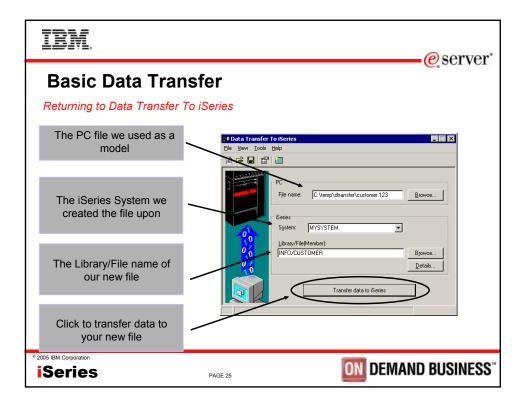
IBM.		@ sorvor
Basic Data	Transfer	eserver*
The System Name p	anel	
	Create iSeries Database File         System Name         Where should your database file be created?         Series server:         MYSYSTEM	T Help
* 2005 IBM Corporation	PAGE 20	<b>DEMAND BUSINESS</b> "

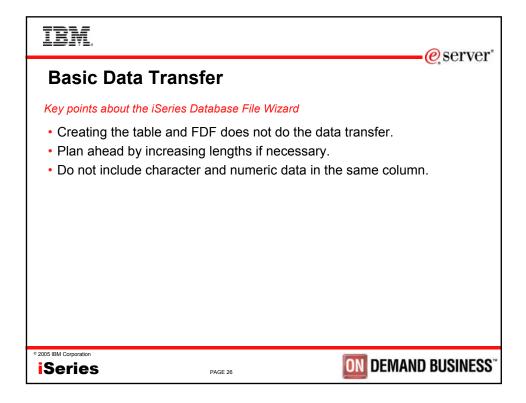
IBM.		eserver <sup>®</sup>
Basic Data Tr	ansfer	<u>e</u> , ser ver
The iSeries File and Libr	ary panel	
	Ke ISeries Database File         Series File and Library         What is the name of the file which will contain your data? For example, TESTLB/TESTFILE.         The file yous specify must not already exist in the specified library and you must have authority to write to the binary.         Library/File:         NEO/CUSTOMER       Bjowse	
° 2005 IBM Corporation	PAGE 21	<b>M</b> DEMAND BUSINESS <sup>**</sup>

IBM		eserver*
Basic Data T	ransfer	C Server
The File Description Te	ext panel	
	cate iSeries Database File         File Description Text         You can associate a line of text wild         describes the contents of the file.         Eile text:         My customer information         (Rack Next)         Cancel	
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IBM.		eserver*
Basic Data	Transfer	
The Confirm Create	Options panel	
	Create iSeries Dotabase File       X         Confirm Create Options       Series server:         MYSYSTEM       Library/File:         INFO/CUSTOMER       PC file description file:         Otherwy/File:       Network/Constet/Notioner #DF         Select Next to create the iSeries database file and the PC file description file:       Select Next to create the iSeries database file and the PC file description file:         Control Constet Next to create the iSeries database file and the PC file description file:       Select Next to create the iSeries database file and the PC file description file:	
° 2005 IBM Corporation	PAGE 23	DEMAND BUSINESS"

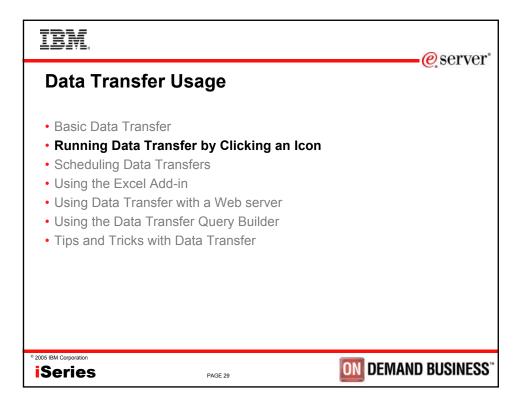
IBM.		@ sorvor
Basic Data	Transfer	eserver*
The final panel - you	ur file has been created!	
	Create (Series Database FIE         Comparadations!         You have successfully created an Series database fie.         Use Data Transfer To Series to transfer data from your PC file to the new database fie.         Press Finish to return to Data Transfer To Series.         Reak       Finish       Cancel       Hep	X
° 2005 IBM Corporation	PAGE 24	DEMAND BUSINESS"

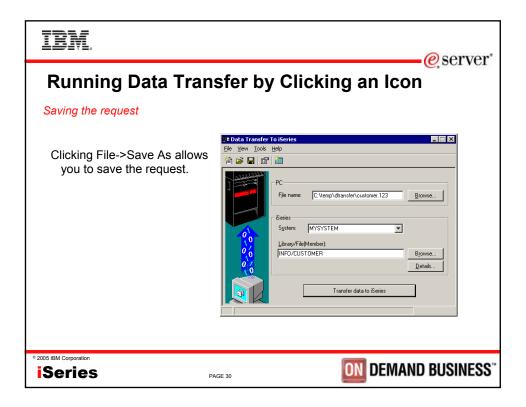


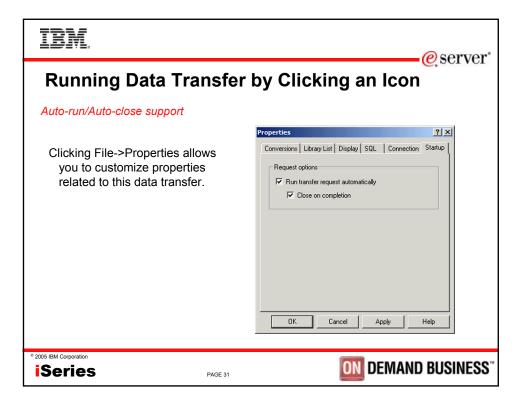


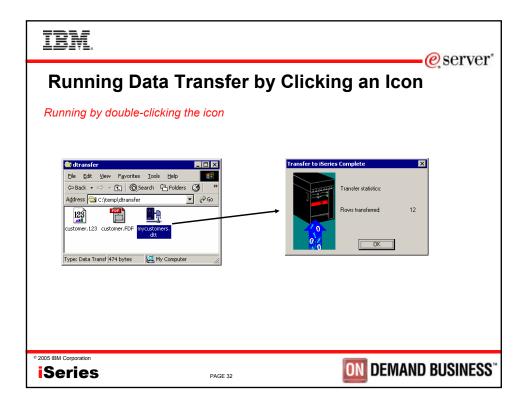
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Basic Data Transfer	-@server
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* 2005 IBM Corporation ISeries PAGE 27	ND BUSINESS"

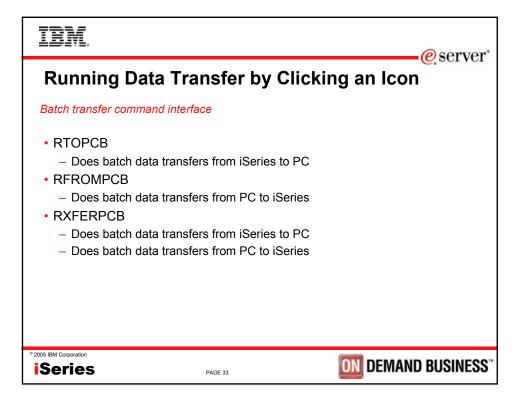
IBM.	erver"
Basic Data Transfer	
Data Transfer to iSeries: iSeries File Details - Source Physical files • Select not to use an FDF file • Select the proper file type • Select the record length, file and member text and authority on create	Series File Details
Data Physical files • Use a PC FDF file • Select Field Reference File, file and member text, and authority when creating new files	Create Series object:     No. replace member only       Member Lext:       Series file type:     © Data       Field reference file name:     Browse       Record Jength:     32       Authority:     Read/write       File tegt:     DK
• 2005 IBM Corporation Series PAGE 28	<b>DIN</b> DEMAND BUSINESS <sup>®</sup>





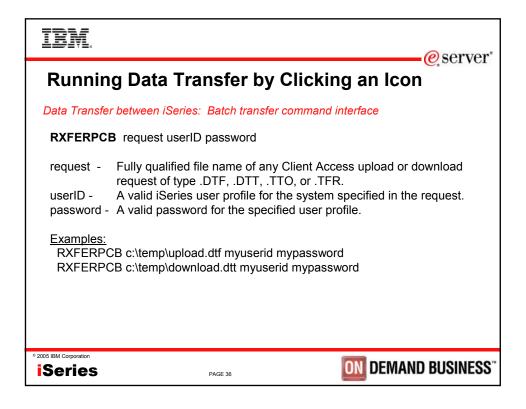




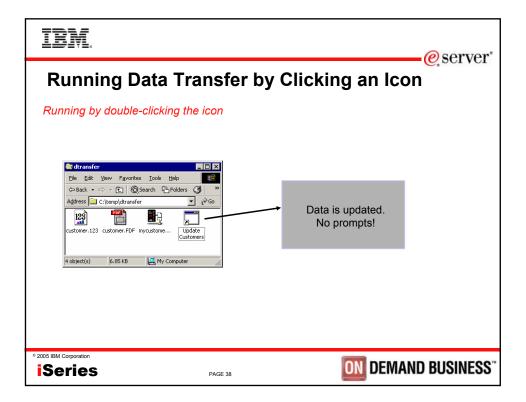


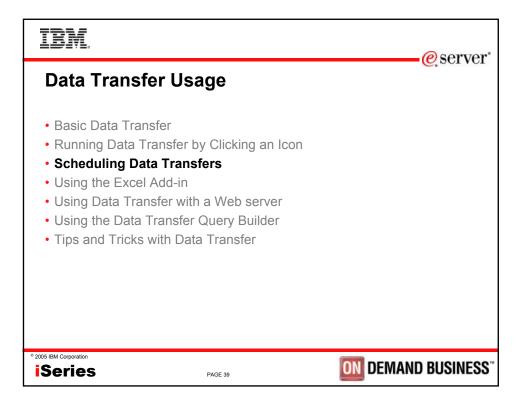
IBM.		erver <sup>*</sup>	
Runnin	ig Data Transfer by Clickin		
Data Transfe	r from iSeries: Batch transfer command inter	face	
RTOPCB [	RTOPCB [/S] [[/I] [filename [/C] [] ]   [[I] /F list file] ]		
<ul> <li>/S Show transfer statistics.</li> <li>filename An iSeries to PC transfer request (.TTO or .DTF), Rumba (.RTO), or Windows 3.1 (.DT) file transfer request.</li> <li>/C Process next file independent of previous file.</li> <li>/I Ignore warnings.</li> <li>/F Process files within list file (one filename per line).</li> <li>list file A file containing a list of transfer files to process.</li> </ul>			
Examples: RTOPCB c:\temp\test.tto RTOPCB /S c:\temp\test.tto /C c:\temp\trans.dtf RTOPCB /S /F c:\temp\transfer.dtf			
• 2005 IBM Corporation	PAGE 34	<b>DIN</b> DEMAND BUSINESS"	

IBM.	erver"			
Runnin	Running Data Transfer by Clicking an Icon			
Data Transfe	er to iSeries: Batch transfer command interface			
RFROMPCB [/S] [[/I] [filename [/C] [] ]   [/I] [/F list file] ]				
/S filename	Show transfer statistics. A PC to iSeries file transfer request (.TFR or .DTT), Rumba (.RTO), or Windows 3.1 (.DT) file transfer request.			
/C	Process next file independent of previous file.			
/F list file	Process files within list file (one filename per line). A file containing a list of transfer files to process.			
Examples: RFROMPCB c:\temp\test.tfr RFROMPCB /S c:\temp\test.tfr /C c:\temp\trans.dtt RFROMPCB /S /F c:\temp\transfer.dtt				
° 2005 IBM Corporation	PAGE 35 DEMAND BUSINESS			

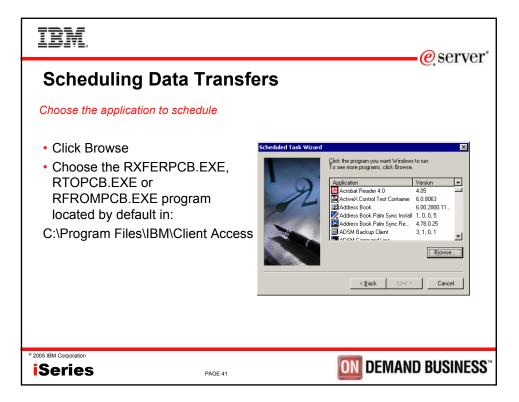


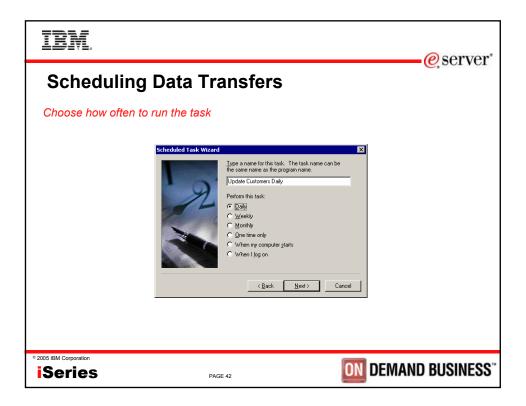
IBM.	erver*
Running Data Transfer I	
Shortcut to the Data Transfer command lin	e interface
To create a new shortcut:	Update Customers Properties ? × General Shortcut Options Font Layout Colors Security Update Customers
<ul> <li>Right click on an open area of Windows</li> <li>Explorer (or My Computer)</li> <li>Select New -&gt; Shortcut</li> </ul>	Target type: Application Target location: Client Access
<ul> <li>Find and select the RXFERPCB, RTOPCB or RFROMPCB program in the Client Acce Folder</li> </ul>	
<ul> <li>Name the shortcut</li> <li>Right click on the new shortcut and select</li> </ul>	Start in: "C:\Program Files\VBM\Client Access" Shortout key: None
<ul> <li>properties from the menu</li> <li>Add the full path of the transfer request to after the command</li> </ul>	Commern.
→ Select to run minimized	Eind Target Change Icon
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iSeries PAGE 37	<b>DEMAND BUSINESS</b> <sup>**</sup>

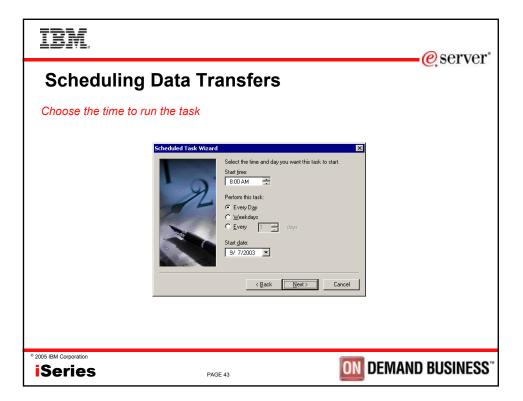




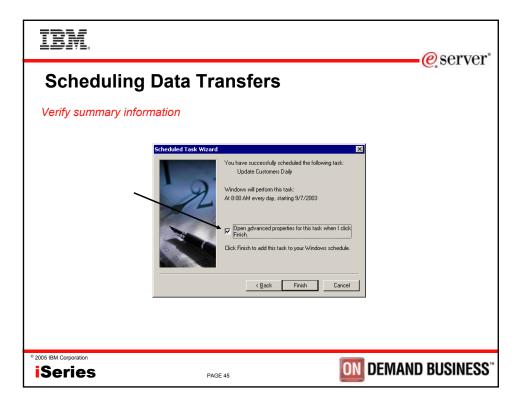






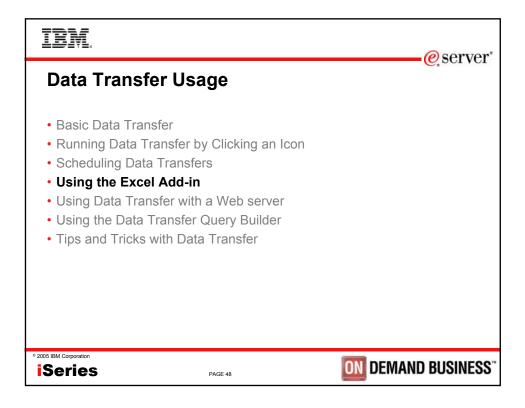


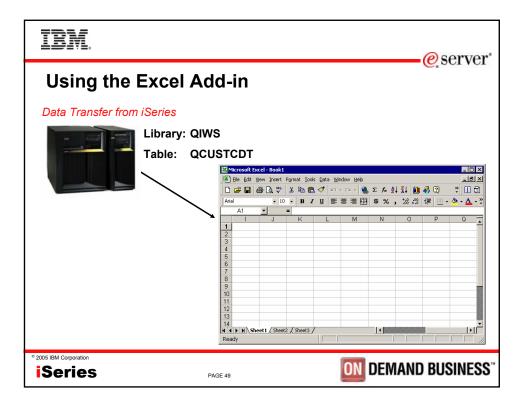
IBM.		@ corvor
Scheduling	Data Transfers	eserver*
Choose the user ID	to run the task	
	Scheduled Task Wizard         Image: Scheduled Task Wizard         Enter the name and password of a user. The task with an a if it were started by that user. The task with a single fragment of the second start of the second	
* 2005 IBM Corporation	PAGE 44	ON DEMAND BUSINESS"

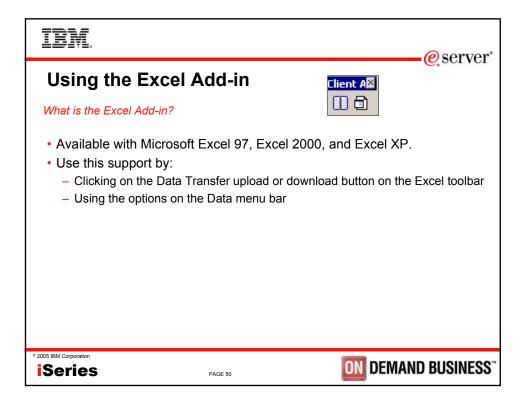


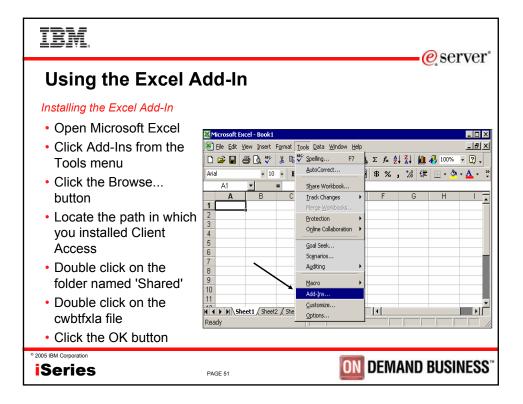
IBM.	© server	
Scheduling Data Transfers		
Add the transfer request to run	Update Customers Daily ? X Task Schedule Settings Security	
<ul> <li>Modify the Run line to include the transfer you want to run</li> </ul>	C:\WINNT\Tasks\Update Customers Daily.job         Burx       cess\Uffompob.exe"''C:\Vemp\diransfer\mycustomers.dtl"         Burx       Browse         Sjart in:       "C:\Phogram Files\UBM\Client Access"         Comments:	
• 2005 IBM Corporation Series PAGE 46	<b>ON</b> DEMAND BUSINESS"	

IBM				Ø	server
Scheduling D	)ata Transfe	rs		<u> </u>	
Viewing scheduled task	(S				
Scheduled Tasks					
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Address Scheduled Tasks				<u> </u>	r 🔗 Go
Scheduled Tasks	Name A D Add Scheduled Task D Update Customers Daily	At 8:00 AM every d	Next Run Time	Last Run Time	Status
This folder contains tasks you've scheduled for Windows. Windows automatically performs each task at the scheduled time.					
For example, you can schedule a time for Windows to clean up your hard dis by deleting unnecessary files.	k				
Select an item to view its description.	<				F
2 object(s)					
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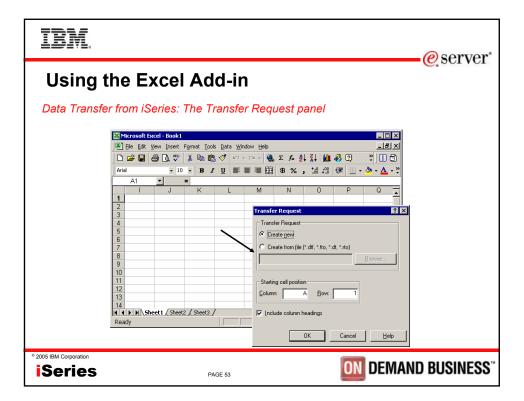


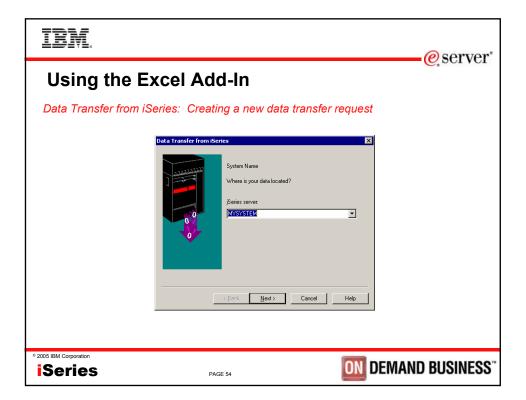


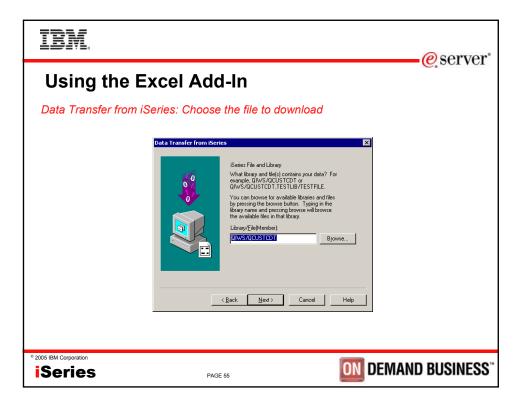


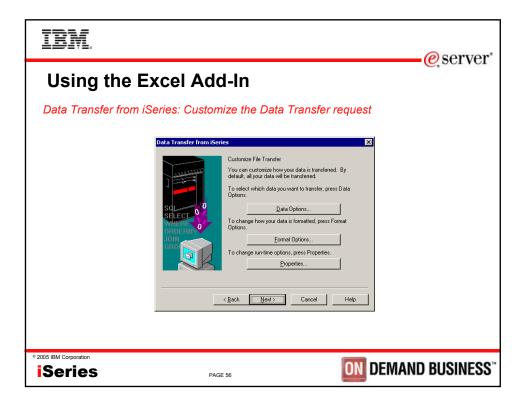


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Using the Excel A	
Data Transfer from iSeries: Tr	ansferring data into Excel
<ul> <li>Select Data -&gt; Transfer Data From/To iSeries</li> </ul>	Microsoft Excel - Book1         □ □ ×           Image: Bill (bill (
-or-	1 J K L M N O P Q A
<ul> <li>Click one of the Data Transfer icons on the toolbar</li> </ul>	4 5 6 7 8 9 9 10 11 11 12 13 14 ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
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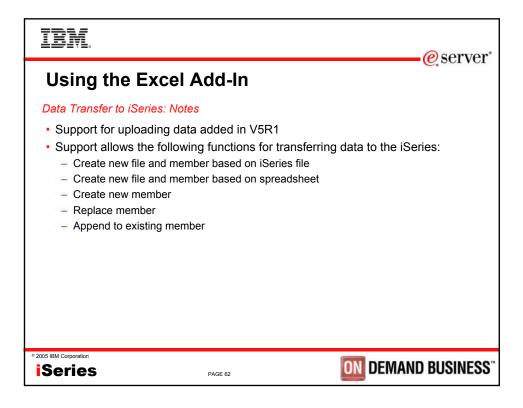
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Using the Excel Add-In	
Data Transfer from iSeries: Customizing Data O	ptions
<ul> <li>Customizing Data Options allows you to set options like:</li> <li>what fields are retrieved</li> <li>the ordering of the data</li> <li>only retrieve data based on certain conditions</li> </ul>	Change Data Options     ?       Join by:     *       Group by:     *       Select:     *       Where:     *       Having:     *       Order by:     *       Betum records with missing fields     *       Enable group functions     OK
° 2005 IBM Corporation Series PAGE 57	<b>DN</b> DEMAND BUSINESS <sup>**</sup>

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Using the Exce	el Add-In	erver <sup>®</sup>
Data Transfer from iSeries Change Format Options Date/Time Decimals Misc   _ Date	: Customizing Format Options ™ ■ 1	
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OK Cancel Apply He	Decimal separator: [] Period	Sort sequence: Series Default
	OK Cancel Apply He	Language: iSeries Job Default 💌 Language [D:
° 2005 IBM Corporation	PAGE 58	OK Cancel Apply Help

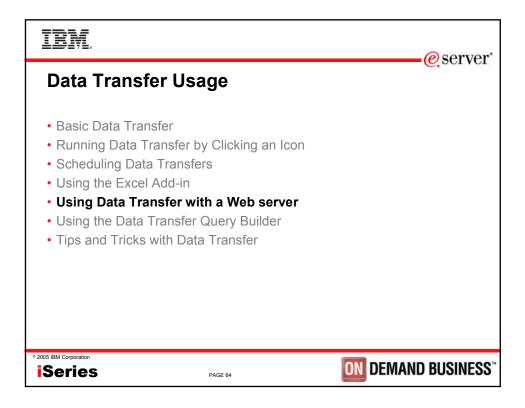
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Using the Excel Add-In	
Data Transfer from iSeries: Customizing run-time of	options
<ul> <li>Conversions</li> <li>Allows for the enablement of special data conversions and for error logging</li> <li>Library List</li> <li>Display</li> <li>SQL</li> <li>Connection <ul> <li>Can configure signon and security options</li> </ul> </li> <li>Startup <ul> <li>Can enable option to run transfer request automatically later</li> </ul> </li> </ul>	Properties     Z ×       Convertions     Library List     Display     SQL     Connection     Startup       Data convertion
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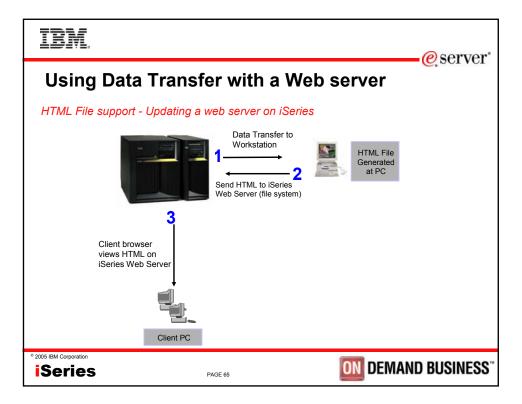


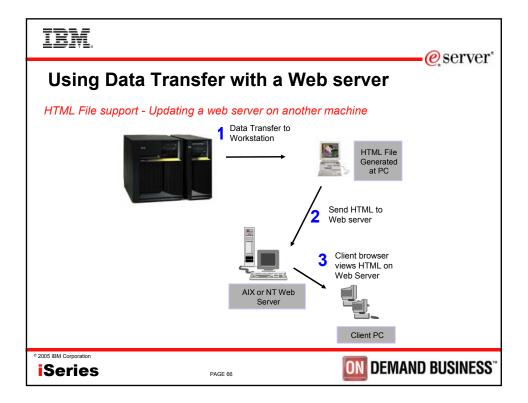
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	3 839283 Jones B D	21B NW 1 Clay NY 13041 400 1	100 0							
	4 392859 Vine S.S.	PO Box 79 Broton VT 5046 700 1	439 0							
	5 938485 Johnson J.A		987.5 33.5							
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	7 389572 Stevens KL	208 Śnow Denver CO 80226 400 1	58.75 1.5							
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	9 475938 Doe J W	59 Archer Sutter CA 95685 700 2	250 100							
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	11 593029 Williams E D 12 192837 Lee F L	485 SE 2 Dallas TX 75218 200 1 5963 Oak Hector NY 14841 700 2	25 0 489.5 0.5							
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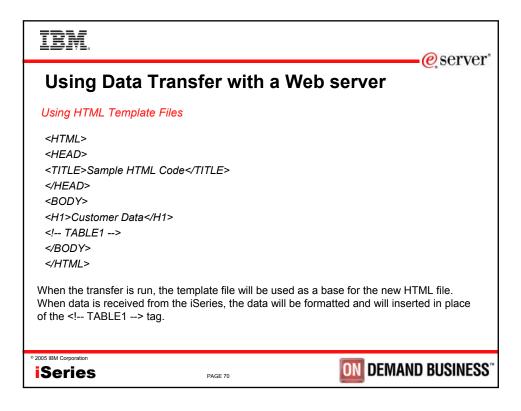




IBM		@corvor
Using Data	a Transfer with a Web server	eserver <sup>®</sup>
Downloading a file	e to HTML Data Transfer From ISeries Fle Yew Belo System name: MYSYSTEM System name: MYSYSTEM System name: MYSYSTEM Fle name: QTWS/QCUSTCDT Data Options PC Quiput device: HyperText Markup Language (HTML) Fle game: C:\temp\dransfer\mydata.htm Fle game: C:\temp\dransfer\mydata.htm Fle game: Format Options Format Options	
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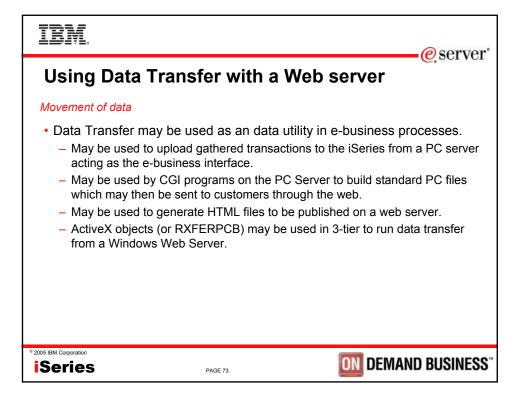
IBM.	eserver <sup>®</sup>
Using Data Transfer with a We	
Setting HTML properties	
<ul> <li>File</li> <li>Document <ul> <li>Specify a title and timestamp</li> </ul> </li> <li>Table <ul> <li>Specify spacing, alignment, and other table properties</li> </ul> </li> <li>Caption <ul> <li>Specify whether to add a caption for your table</li> </ul> </li> <li>Row <ul> <li>Cell</li> <li>Template</li> </ul> </li> </ul>	ITTML Details     Image: Caption Row Cell Template       File     Document Table Caption Row Cell Template       Meximum file size:     128       Meximum file size:     ANSI       ASCII     ASCII       Charset:     Windows-1252
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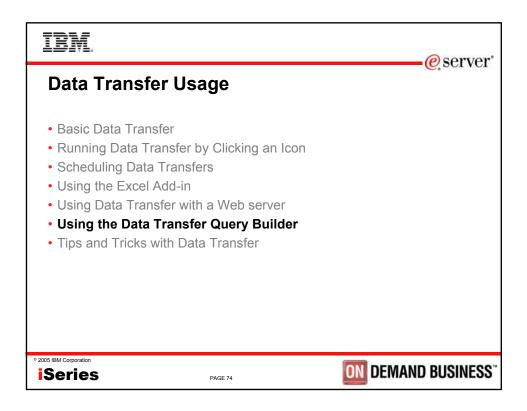
IBM.	erver"
Using Data Transfer	
HTML Template support - enhancing	g web pages
HTML Template allows iSeries tab data to be inserted into a pre- formatted HTML document at a specified location. The location is defined by an embedded template tag. The template document may conta graphics, links, frames, and any of HTML elements you provide.	File Document Table Caption Row Cell Lemplate
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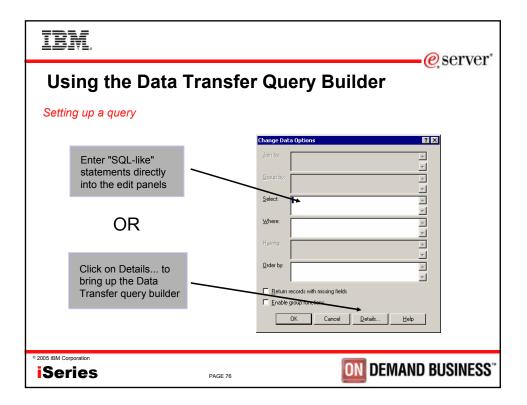
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Using Data Transfer with a Web server											
DATALINK da	DATALINK data type support										
	-		es DATALINK type to a HTML your HTML File.								
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IBM iSeries	Rochester, MN	800-426-3333	http://www.ibm.com/eserver/iseries/index.html								
COMMON	Chicago, IL	800-270-8223	http://www.common.org/index.html								
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* 2005 IBM Corporation		PAGE 71	<b>ON</b> DEMAND BUSINESS <sup>**</sup>								

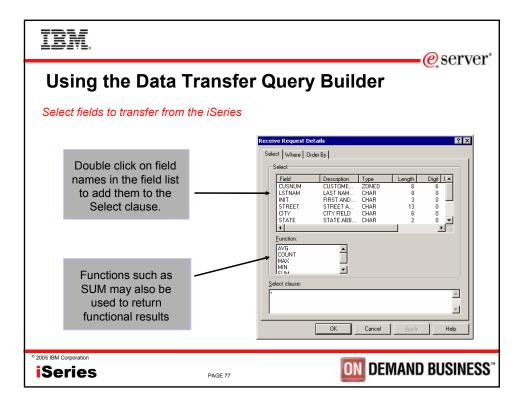
IBM.									-@server
Using Data Transfer with a Web server									
Viewing the results									
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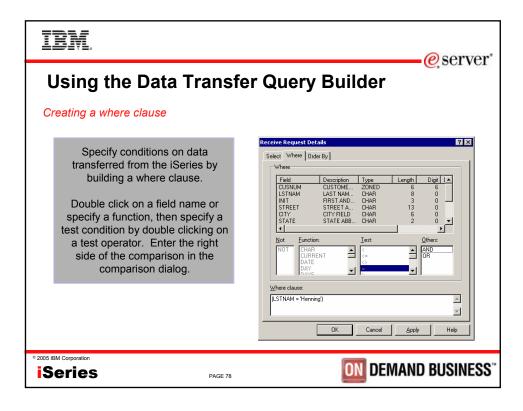




IBM.		@sorvor
Using the Data Transfer Query Builder		
Starting the Dat	a Transfer query builder	
	Plota transfer from iseries     Ple yew Help     Ple yew Help     Spring     System name:   MYSYSTEM   File name:   PC   Output device:   Data Options   PC   Output device:   Display   Permitted at from iseries   Transfer data from iseries	
° 2005 IBM Corporation	PAGE 75 DEMAN	D BUSINESS"





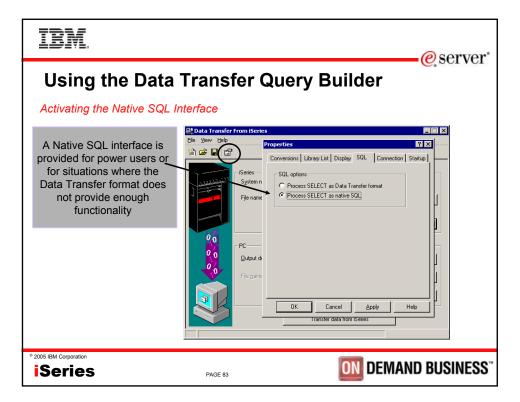


IBM.	erver"
Using the Data Transfe	
Ordering data	
An Order By clause may be specified to order data transferred from the iSeries. Fields may be ordered in ascending or descending order by specifying either ASC or DESC after each field name. Currently, on the iSeries, fields used in the order by must also exist in the Select clause.	Receive Request Details     ? ×       Select Where     Order By       Field     Description       Type     Length       Distribution     Distribution       Strate     20NED       STREET A.     CHAR       Strate     STREET A.       CHYPELD     CHAR       Strate     Strate Association       CUVT     CHYPELD       CUVT     CHYPELD       Strate     Strate Association       Others:     AVG       AVG     Strate       Strate     Strate Association       Ofder by clause:     CUSNUM DESC       OK     Cancel
* 2005 IBM Corporation Series PAGE 79	<b>ON</b> DEMAND BUSINESS <sup>®</sup>

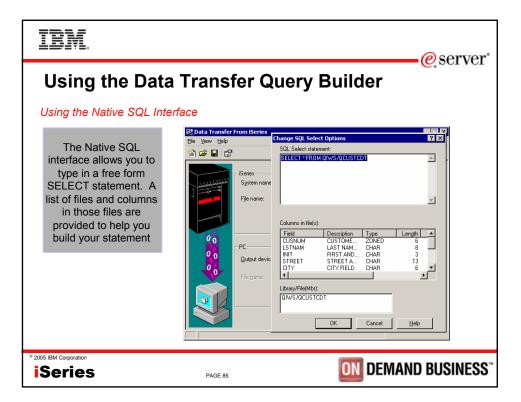
IBM	eserver*	
Using the Data Transfer Query Builder		
Multi-file joins		
When multiple files are specified for download on the main Data Transfer panel, a join clause may be built to conditionally join records across multiple files.	Receive Request Details     ? ×       Select Where Order By Join By	
2005 IBM Corporation     iSeries     PAGE 80	<b>DIN</b> DEMAND BUSINESS"	

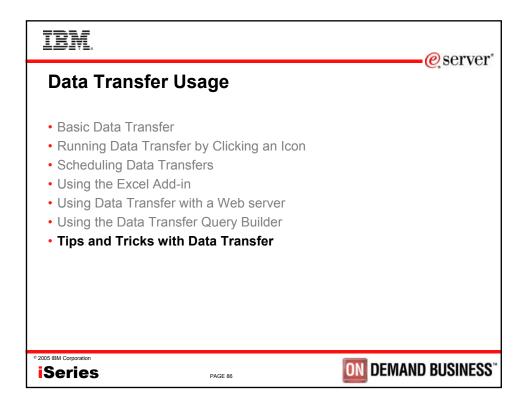
IBM.	eserver"
Using the Data Transfe	
Record grouping	
If Group By functions are enabled on the Data Options panel, a Group By statement may be specified to group records that are returned.	Receive Request Details     ?       Select     Where     Having     Order By       Group By
° 2005 IBM Corporation Series PAGE 81	<b>DIN</b> DEMAND BUSINESS <sup>®</sup>

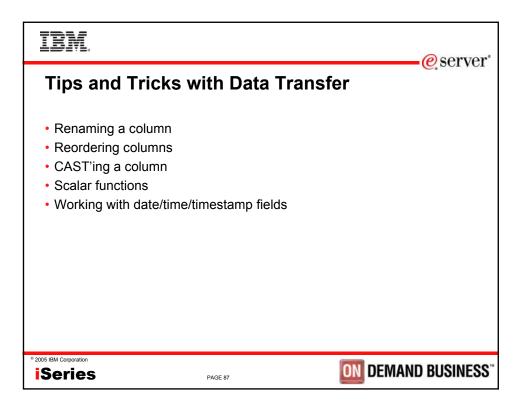
IBM	e server
Using the Data Transfe Conditional grouping using Having	
Conditional record grouping from a Group By operation may be done by specifying a Having clause.	Not     Eunction:     Iest:     Function:     Others:       NOT     AVG     Constanto     AND       NOT     AVG     COUNT     OB       SUM     >=     SUM     SUM       Having clause:     (COUNT(') = 1)     Image: Concel     Apply
2005 IBM Corporation     Series     PAGE 82	<b>ON</b> DEMAND BUSINESS <sup>**</sup>

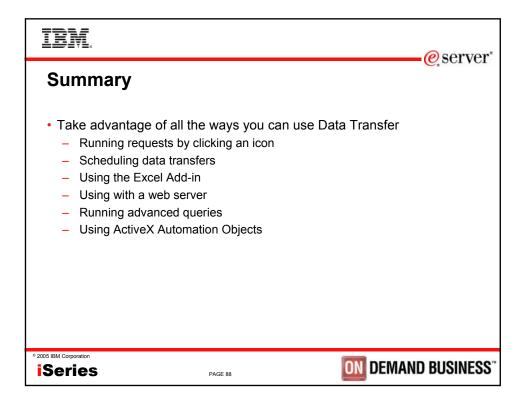


IBM		© server	
Using the Data Transfer Query Builder			
Finding the Native SQL Int	erface		
After choosing to process your statement as Native SQL, the Data Options button activates a Native SQL panel	Data Transfer From ISeries   Image: series   Image: series   System name:   System name:   File name:   PC Quput device: File name: File name:	MYSYSTEM MYSYSTEM Divs/QCUSTEDT Data Options Display Eromset Options Transfer data from iSeries	
• 2005 IBM Corporation	PAGE 84	<b>ON</b> DEMAND BUSINESS <sup>®</sup>	

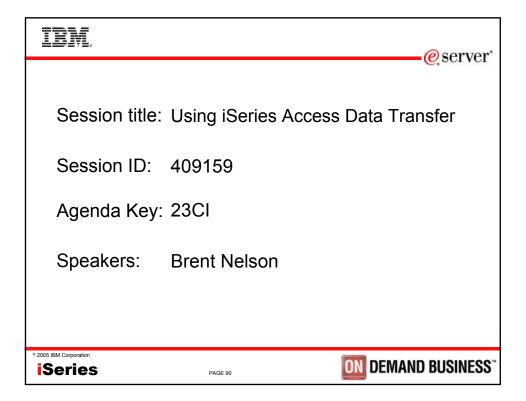


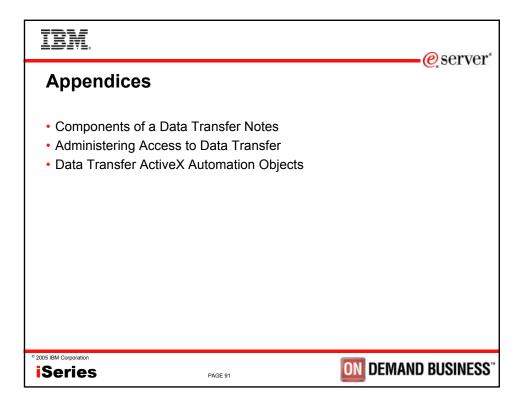


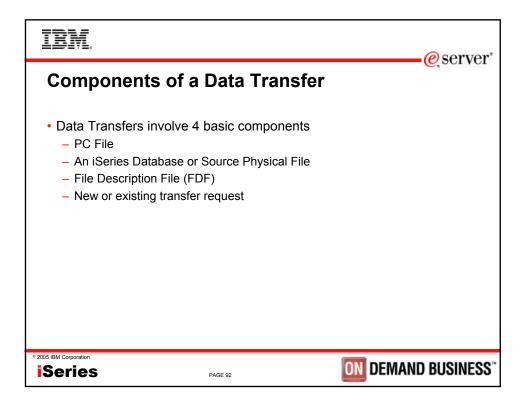


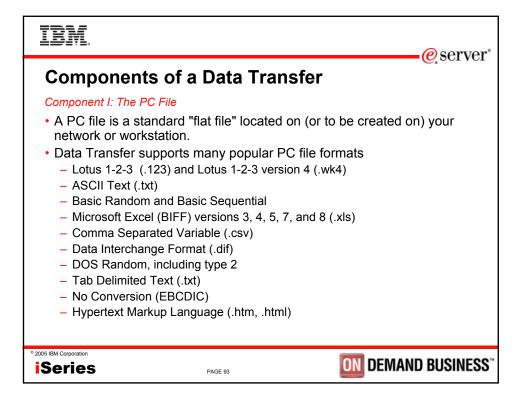


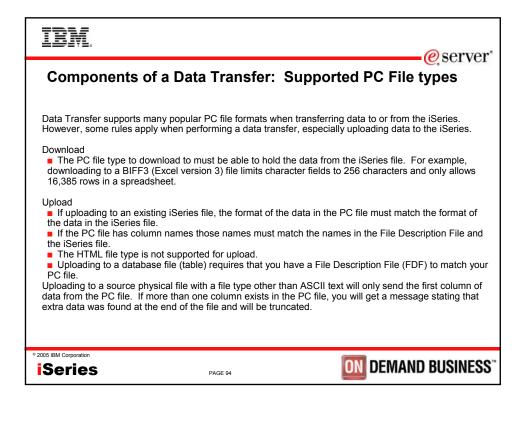
IBM. @server
iSeries Access for Windows – Sessions in Chicago
<ol> <li>26GH – MS Office with Client Access</li> <li>31GJ - Administration of iSeries Access for Windows: Advanced Tips</li> <li>31GH - MS Office and Client Access Integration Session 1: Setup and Overview</li> <li>32GH – MS Office and Client Access Integration Session 2: Word and Excel</li> <li>33GH – MS Office and Client Access Integration Session 3: Access-Web-Sending Data</li> <li>36CA - iSeries Access for Windows: What's New in V5R3</li> <li>41CB - iSeries Access Data Transfer: Tips and Techniques</li> <li>41LC - LAB: MS Office with CA/400</li> <li>42CB - iSeries Access for Windows: Security and Communications Tips</li> <li>44CA - iSeries Access for Windows in a .NET World</li> <li>45LA - OPEN LAB: iSeries Access for Windows about PC5250 emulation</li> <li>56CB - Performance Tune iSeries Access ODBC Driver</li> </ol>
* 2005 IBM Corporation iSeries PAGE 89 DEMAND BUSINESS

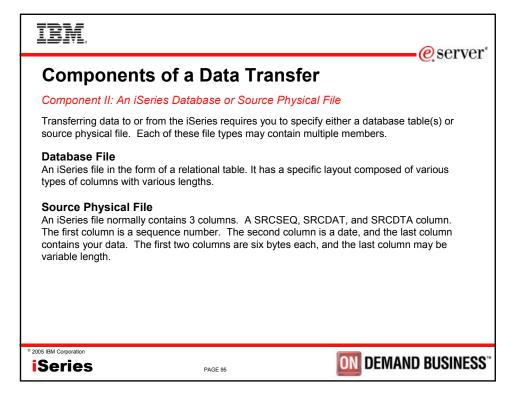


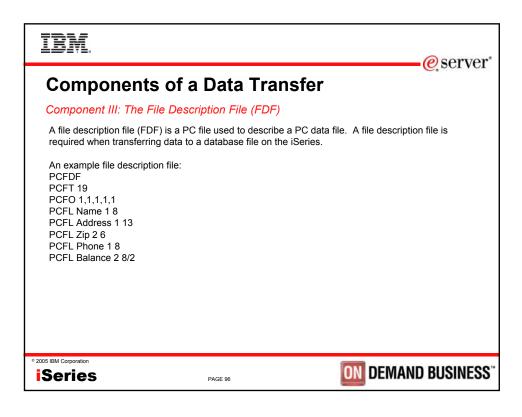


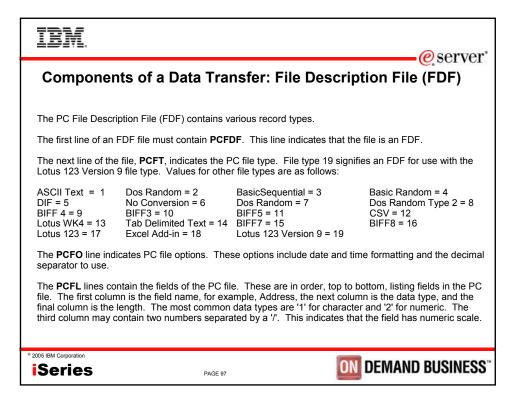


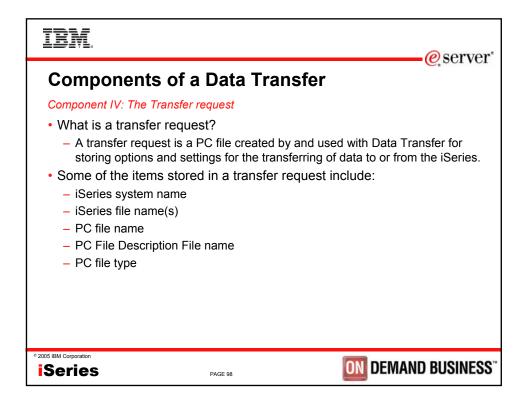


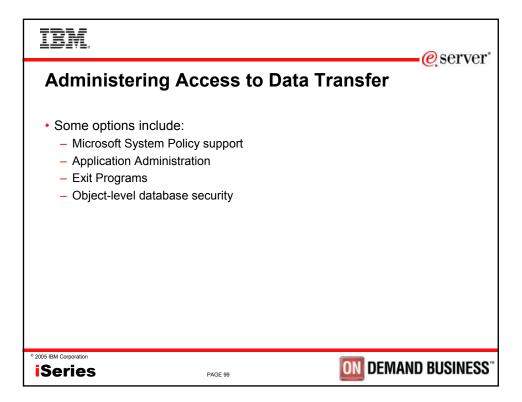


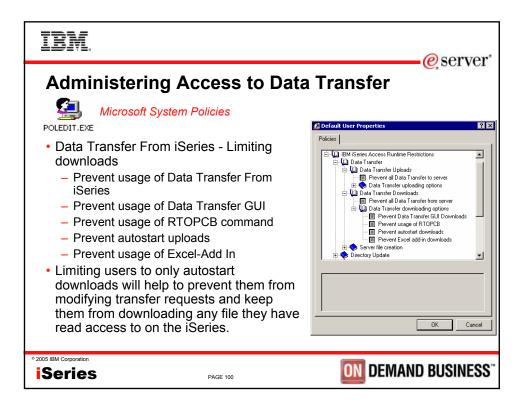


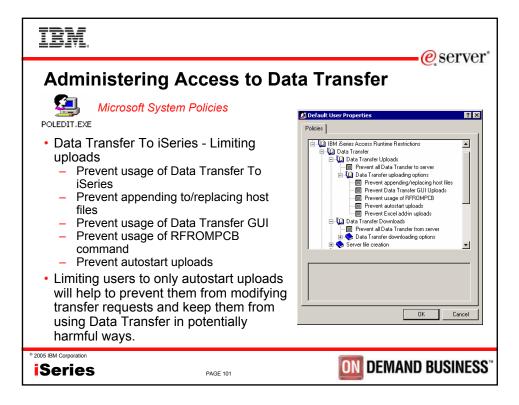


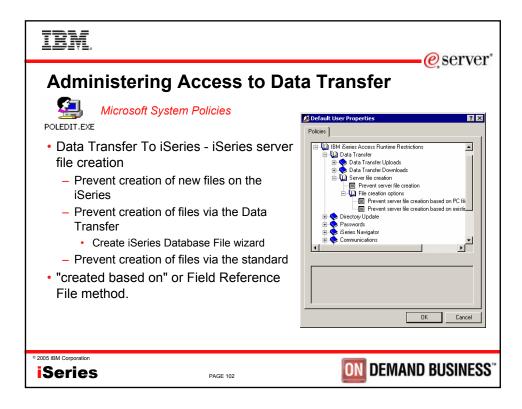


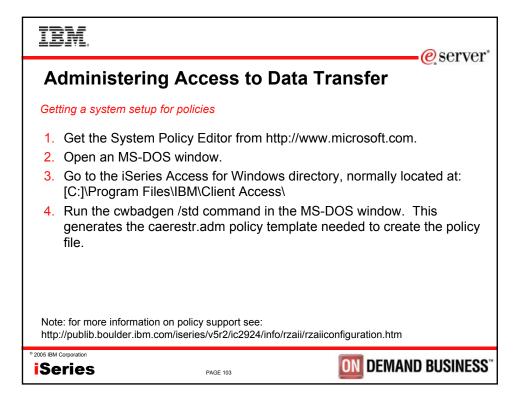




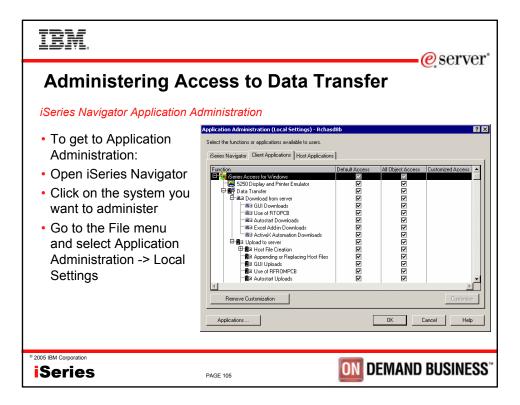


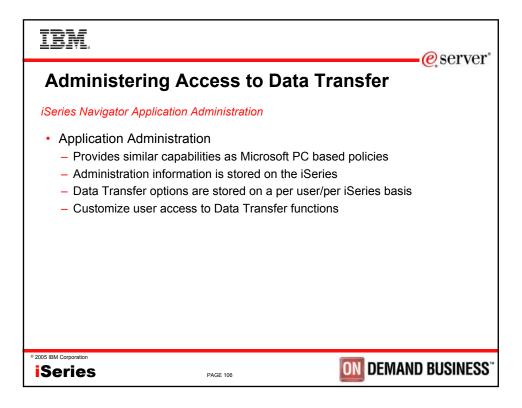




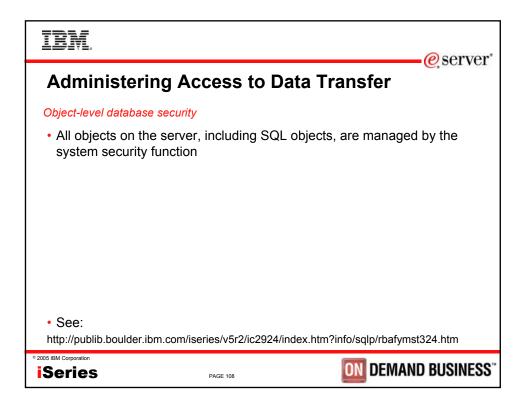


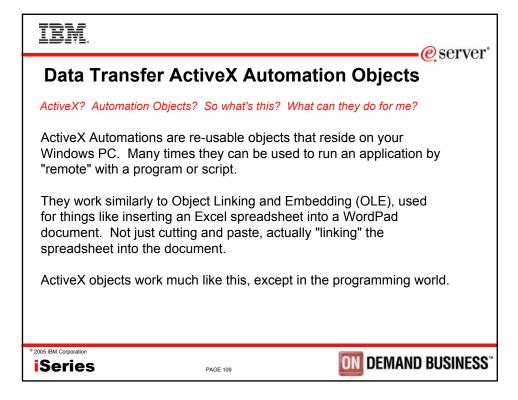


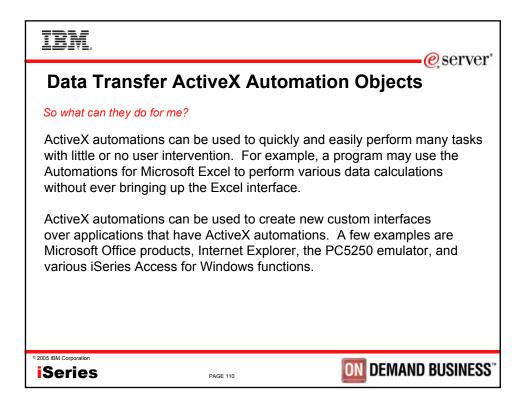


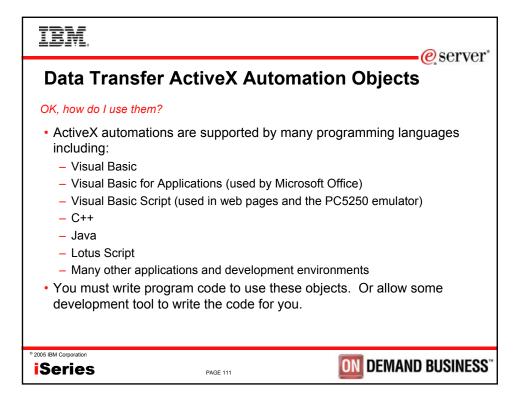


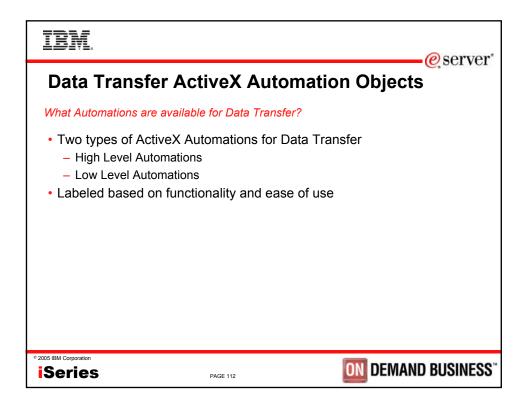
IBM. @server*		
Administering Access to Data Transfer		
iSeries host server exit programs		
<ul> <li>Exit Programs <ul> <li>Exit programs written for the QIBM_QZDA NDB, ROI, and SQL exit points may help to restrict certain users from accessing specific files.</li> <li>Configured with WRKREGINF on the iSeries</li> <li>Given the SQL statement sent from the client application (Data Transfer). Statements may be rejected by the user exit program</li> <li>May be written in a variety of host languages</li> </ul> </li> </ul>		
Note: Data Transfer and ODBC use the same server for database access. Currently, exit programs created for Data Transfer are also active for ODBC users.		
* 2005 IBM Corporation iSeries PAGE 107 DEMAND BUSINESS		

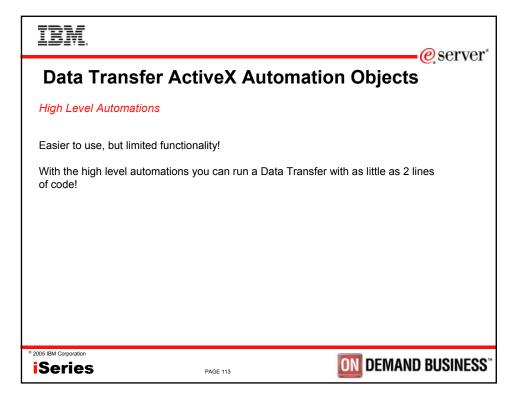


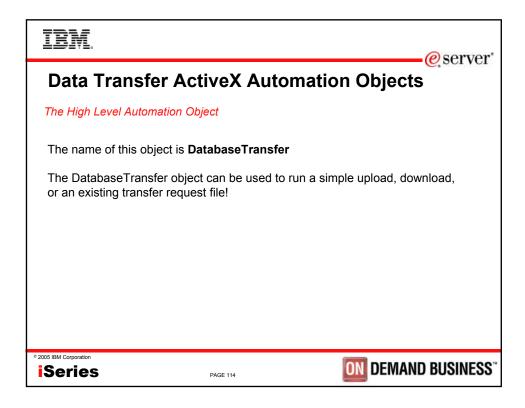






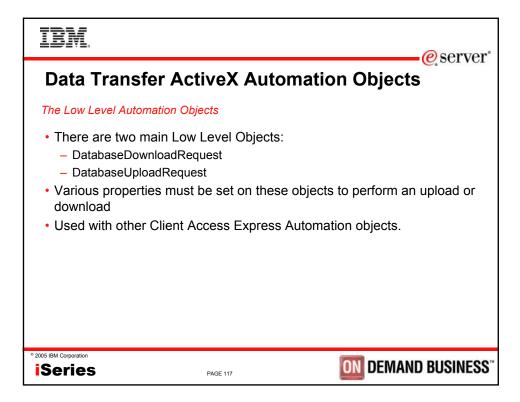


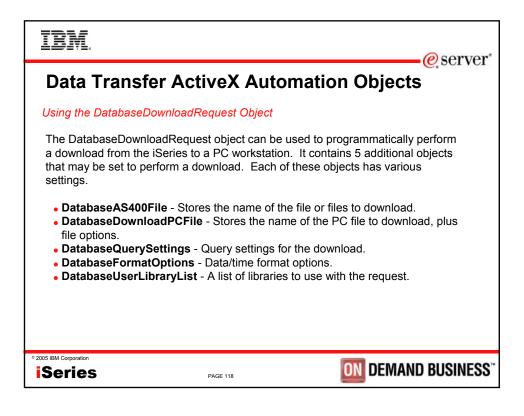


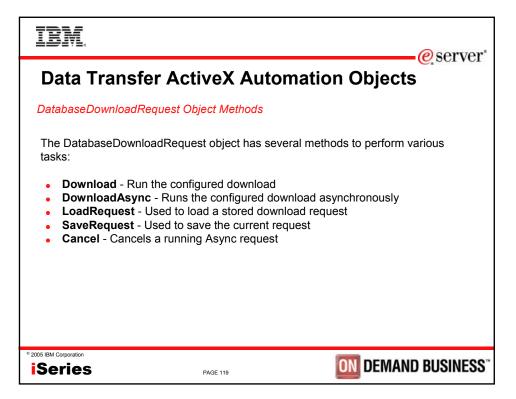


IBM. @server*		
Data Transfer ActiveX Automation Objects		
Using the DatabaseTransfer Object		
These two lines of Visual Basic (VB) code can be used to run a download:		
Dim dt As New cwbx.DatabaseTransfer dt.Download "mysys", "qiws/qcustcdt", "c:\myfile.xls", cwbdtBIFF5		
To do an upload:		
dt.Upload "mysys", "cwbxtest/qcustcdt", "c:\qcustcdt.txt", "c:\qcustcdt.fdf"		
To run a saved request:		
dt.Transfer "c:\qcustlst.dtf"		
* 2005 IBM Corporation iSeries PAGE 115 DEMAND BUSINESS*		

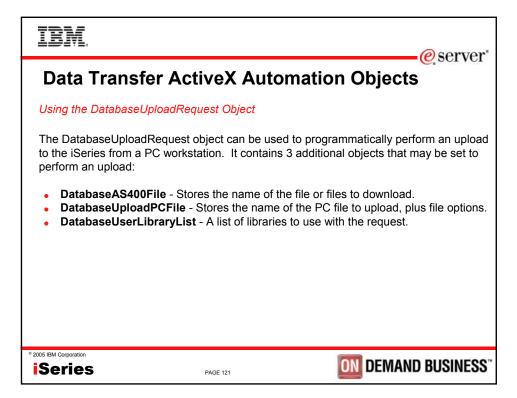
IBM. @server		
Data Transfer ActiveX Automation Objects		
Using the DatabaseTransfer Object		
The DatabaseTransfer automation object also contains properties you can query or set for the transfer request.		
<ul> <li>Errors - for query only. A standard collection of error messages. Messages get put into this collection while the request is running</li> <li>Password - Allows you to set the password for the iSeries connection necessary for the transfer</li> <li>TransferResults - Allow you to get the number of rows transferred, return codes, and error and warning locations.</li> <li>UserID - Allows you to set the user ID to use for this transfer request.</li> </ul>		
* 2005 IBM Corporation iSeries PAGE 116 DEMAND BUSINESS		



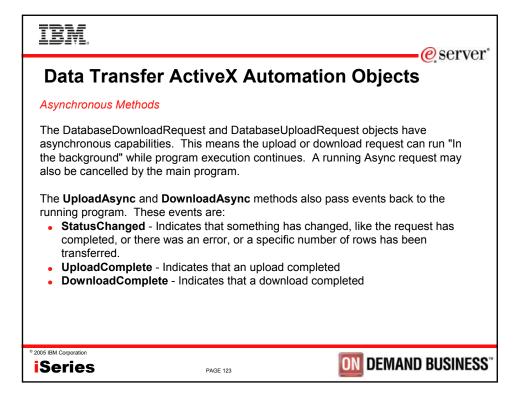


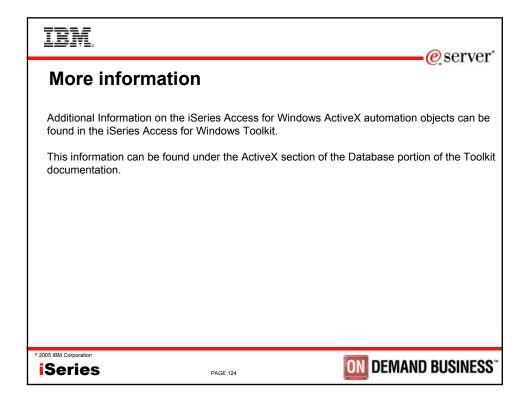


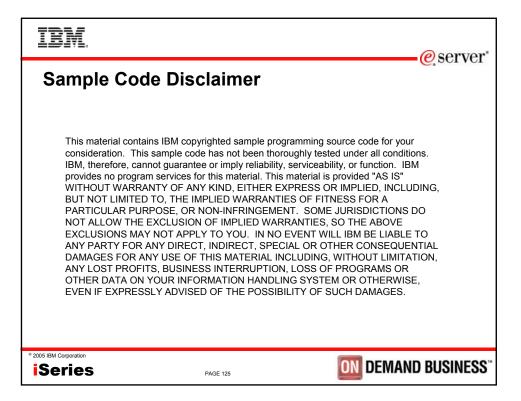
IBM.		erver"
Data Transfer Ac	ctiveX Autom	
A simple Visual Basic p DatabaseDownloadReq	•	wnload using the low level
Dim dlr As New cwbx.Databa Dim myiSeries As New cwbx. myiSeries.Define "mysystem" myiSeries.UserID = "myUserl myiSeries.Password = "myPa Set dlr.System = myiSeries dlr.AS400File = "qiws/qcustod dlr.pcFile = "c:\myfile" dlr.pcFile.FileType = cwbdtBl dlr.Download	AS400System D" assword" dt"	
• 2005 IBM Corporation	PAGE 120	<b>DEMAND BUSINESS</b> "



IBM		erver"
Data Transfer	ActiveX Auto	omation Objects
DatabaseUploadRequest	Object Methods	
<ul> <li>Upload - Run the co</li> <li>UploadAsync - Run</li> <li>LoadRequest - Use</li> <li>SaveRequest - Use</li> </ul>		ad request pload request
• 2005 IBM Corporation	PAGE 122	<b>DIN</b> DEMAND BUSINESS <sup>®</sup>







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