



















## TRM IBM eServer iSeries Anatomy of a Data Transfer Component I: The PC File A PC file is a standard "flat file" located on (or to be created on) your network or workstation. Data Transfer supports many popular PC file formats Lotus 1-2-3 (.123) and Lotus 1-2-3 version 4 (.wk4) ASCII Text (.txt) Basic Random and Basic Sequential Microsoft Excel (BIFF) versions 3, 4, 5, 7, and 8 (.xls) Comma Separated Variable (.csv) Data Interchange Format (.dif) DOS Random, including type 2 Tab Delimited Text (.txt) No Conversion (EBCDIC) Hypertext Markup Language (.htm, .html) © 2003 IBM Corporation



## Anatomy of a Data Transfer

IBM eServer iSeries

Component II: An iSeries Database or Source Physical File

Transferring data to or from the iSeries requires you to specify either a database table(s) or source physical file. Each of these file types may contain multiple members.

#### **Database File**

An iSeries file in the form of a relational table. It has a specific layout composed of various types of columns with various lengths.

#### **Source Physical File**

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An iSeries file that contains 3 columns. A SRCSEQ, SRCDAT, and SRCDTA column. The first column is a sequence number. The second column is a date, and the last column contains your data. The first two columns are six bytes each, and the last column may be variable length.



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## Anatomy of a Data Transfer

IBM eServer iSeries

Supported transfer request file types

#### **Data Transfer From iSeries**



- .DTF New request type used in Client Access Express
- .TTO Request type used in XD1 and DOS Extended clients

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- .DT Request type used in Windows 3.1 client
- .RTO Rumba transfer request file

#### Data Transfer To iSeries

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- .DTT New request type used in Client Access Express
- .TFR Request type used in XD1 and DOS Extended clients
- .DT Request type used in Windows 3.1 client
- .RTO Rumba transfer request file



The Data Trar	Sfer Que	From iSeries	der	
Type in or browse for the name(s) of your iSeries files and click the Data		iSeries System name: File name:		Browse Data Options
Options button to start the query builder.	000	PC <u>Q</u> utput device: File <u>n</u> ame:	Display	
			Transfer data from iSeries	



# Notes: Using the Change Data Options panel to setup a query

The change data options panel is an interface for manually entering or modifying an SQL-like query. This panel consists of the following fields and options:

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- Join by Allows a join condition to be specified if multiple files are entered on the main interface.
- Group by Allows records to be grouped or summarized by field. Enabled if 'Enable group functions' is selected.
- Select Allows either full field selection using \* or selection by field name.

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- Where Allows conditions to be placed on which records are selected for data transfer.
- Having Allows conditions for records which are grouped (summarized).
- Order by Allows records to be ordered by field, either ascending or descending.
- Return records with missing fields Indicates whether or not to return records from a multiple file join when fields in the second file do not match the first because they are empty.
- Enable group functions Enables the Group by and Having options.

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Select the Details... button to bring up an interface for simplifying query building.































IBM eServer iSeries The Data Transfer Query Bu	uilder	IBM
The Native SQL       SQL Select state         The Native SQL       SQL Select state         Interface allows       SQL Select state         you to type in a       File         free form SELECT       Statement. A list         of files and       Columns in those         files are provided       STAAM         your statement       STAAM         USING       State         USING       State	t Options nent: OIWS/OCUSTCDT Description Type Length ▲ Customer nu ZONED 6 Last name fi CHAR 8 First and mid CHAR 13 Street addre CHAR 13 City field CHAR 6 ↓ DT	>e       se       se       se
© 2003 IBM Corporation	UK Lancel Help	



















































## TRM IBM eServer iSeries **Data Transfer ActiveX Automation Objects** A simple Visual Basic program to run a download using the low level DatabaseDownloadReguest object: Dim dlr As New cwbx.DatabaseDownloadRequest Dim myiSeries As New cwbx.AS400System myiSeries.Define "mysys" myiSeries.UserID = "myUserID" myiSeries.Password = "myPassword" Set dlr.System = myiSeries dlr.AS400File = "giws/gcustcdt" dlr.pcFile = "c:\myfile" dlr.pcFile.FileType = cwbdtBIFF8 dlr.Download © 2003 IBM Corporation

















	BM eServer iSeries	3	IBM
<b>Using</b> Datalink d	Data Trans	fer for e-b	usiness
In Data suppor HTML f	Transfer, the ted. Transfe ile will produ	e new DB2/L erring the Da uce active li	JDB Datalink type is Italink type to a Data Transfer nks within your HTML File.
CUSTNAM	ADDRESS	PHONE	WEBSITE
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

### Using Data Transfer for e-business Movement of data

IBM eServer iSeries

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Data Transfer may be used as an data utility in e-business processes.

- May be used to upload gathered transactions to the iSeries from a PC server acting as the e-business interface.
- May be used by CGI programs on the PC Server to build standard PC files which may then be sent to customers through the web.
- May be used to generate HTML files to be published on a web server.
- ActiveX objects may be used in 3-tier to run data transfer from a Windows Web Server.



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