

Introduction to the Data Mirror



User Interface
Available Database Objects
Sample Code

UIF: Data Display for Peachtree Mirror

Options Data to Mirror Optional Data Journals to Mirror Show

Select Peachtree Company Path: C:\Sage\Peachtree2014\Company\Sample\PTXA\BCS
Name: Bellwether Garden Supply

Clear Peachtree Data Use Read Peachtree Data for bulk updates

Read Peachtree Data Apply Changes Only Start Mirroring

Activity Log :

Time	Message
9/11/13 10:37:49 AM 541	*** DO NOT 'APPLY CHANGES ONLY' UNTIL AFTER INITIALIZING ***
9/11/13 10:37:49 AM 541	*** THE SQL TABLES w/ 'READ PEACHTREE DATA' ***
9/11/13 10:37:49 AM 503	Purging Audit Trail (all but last record(s))

First specify the target Sage 50 Company.

Next Read Peachtree Data

UIF: Data Display for Peachtree Mirror

Data to Mirror, Optional Data & Journals to Mirror are filters that increase performance.

Options Data to Mirror Optional Data Journals to Mirror Show

Select Peachtree Company Path: C:\Sage\Peachtree2014\Company\Sample\PTXA\BCS
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Options

Options

Read All Audit Trail Data

Enable File Mirror

Log Diagnostics

Full Transaction Logging

Disable Apply Changes

500 Timer Interval in ms. 10 Delay Count

File Mirror Path:

c:\DataMirrorForPT

Change Path

Close

- **Enable File Mirror:** copies the Sage data to a local folder & uses that copy.

- **Log Diagnostics:** adds additional diagnostics to the log.

- **Full Transaction Logging:** tells SQL Server to do full transaction logging (**consumes lots of resources**)

(More info available in reference manual.)

Data to Mirror

File Name	Mirror	Last Modified Time	Last Updated Time	Last File Mirror Time
Address.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Audit Tr.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
BOMHist.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
BOMItems.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Chart.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Company.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Contacts.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Cost.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Customer.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
Employee.DAT	<input checked="" type="checkbox"/>	1/1/00	9/12/13 1:10 PM	1/1/00
EventLog.DAT				
General.DAT				
InvCost.DAT				
JmlHdr.DAT				
JmlRow.DAT				
JmlSNo.DAT				
LineItem.DAT				
Phase.DAT				
Project.DAT				
TaxAuth.DAT				
TaxCode.DAT				
TaxTable.DAT				
Ticket.DAT				
Vendor.DAT				
WorkTkt.DAT				

All of the data mirrored is listed by table name under Data to Mirror. You will get better performance by un-checking what you do not use. You need to *scroll* to see the last 2 groups.

Optional Data

Optional Data

- Include Chart History
- Include Chart Purge Data
- Include Customer History
- Include Employee Direct Deposit Data
- Include Employee EE Detail
- Include Employee ER Detail
- Include Employee Pay Info
- Include Employee Payroll Detail
- Include JmlHdr Direct Deposit Data
- Include Line Item Attributes
- Include Line Item Components
- Include Line Item History
- Include Line Item Price Levels
- Include Vendor History

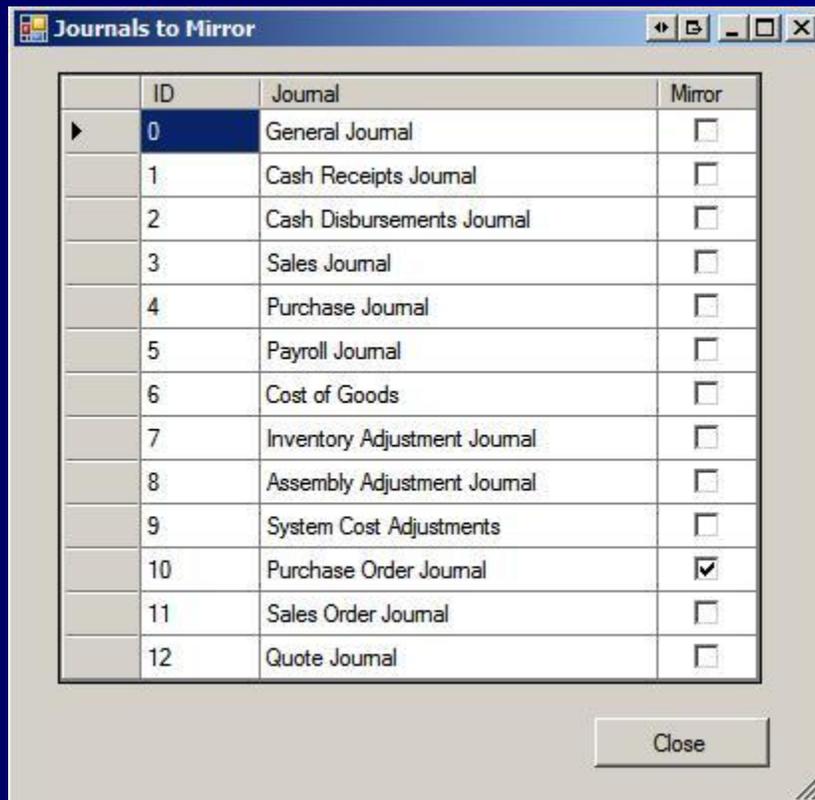
Start period for journal data: 32

Close

You can get additional data by selecting any of these additional tables.

By using a **start period** that only gets the data needed for your application, you will get **best performance**.

Journals to Mirror



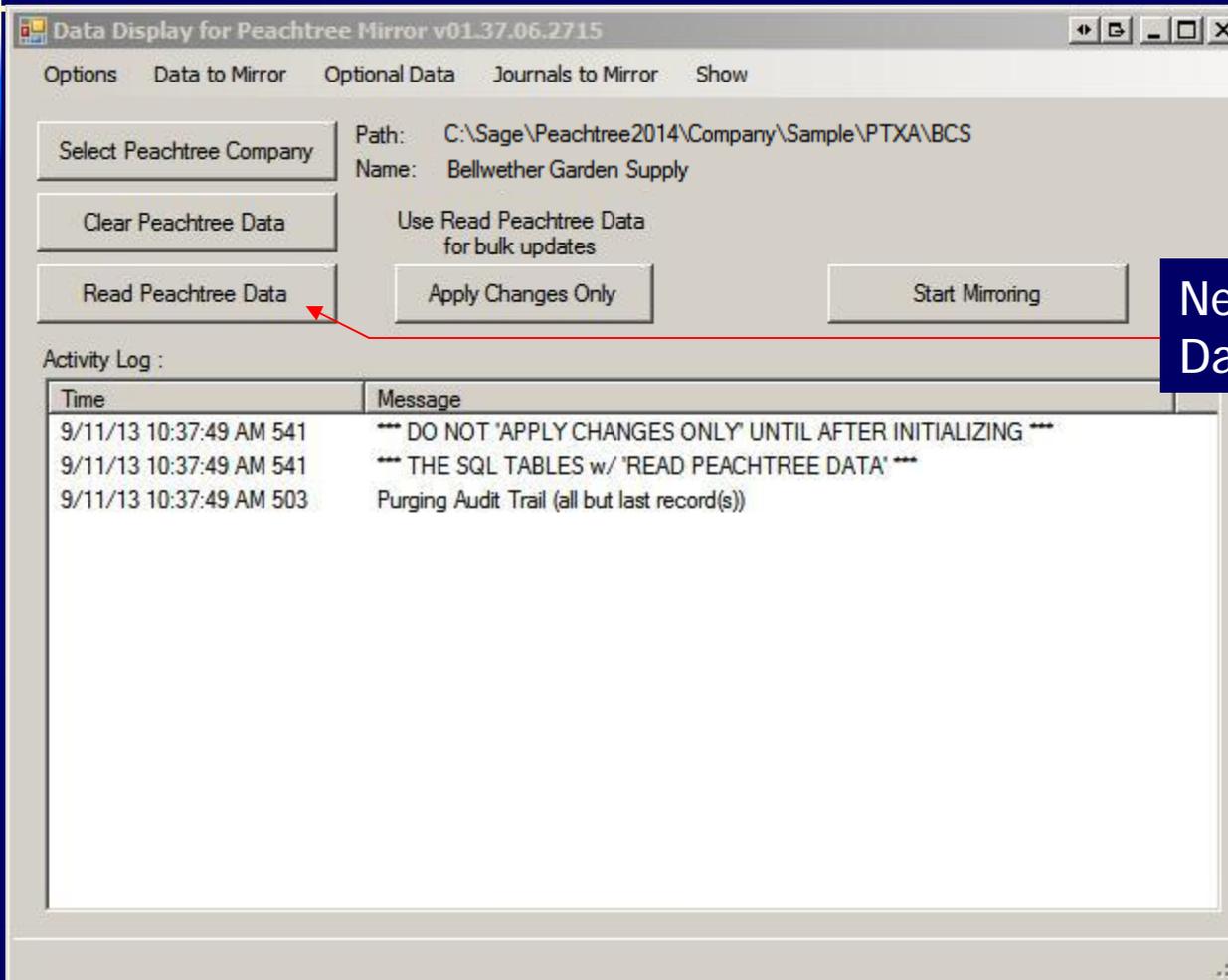
The screenshot shows a dialog box titled "Journals to Mirror" with a table of journals and a "Close" button. The table has four columns: ID, Journal, and Mirror. The "Mirror" column contains checkboxes. The "Purchase Order Journal" (ID 10) is the only journal with a checked checkbox.

ID	Journal	Mirror
0	General Journal	<input type="checkbox"/>
1	Cash Receipts Journal	<input type="checkbox"/>
2	Cash Disbursements Journal	<input type="checkbox"/>
3	Sales Journal	<input type="checkbox"/>
4	Purchase Journal	<input type="checkbox"/>
5	Payroll Journal	<input type="checkbox"/>
6	Cost of Goods	<input type="checkbox"/>
7	Inventory Adjustment Journal	<input type="checkbox"/>
8	Assembly Adjustment Journal	<input type="checkbox"/>
9	System Cost Adjustments	<input type="checkbox"/>
10	Purchase Order Journal	<input checked="" type="checkbox"/>
11	Sales Order Journal	<input type="checkbox"/>
12	Quote Journal	<input type="checkbox"/>

Journals are also selectable so that you can improve performance by limiting reads & mirroring to just what you need for your application.

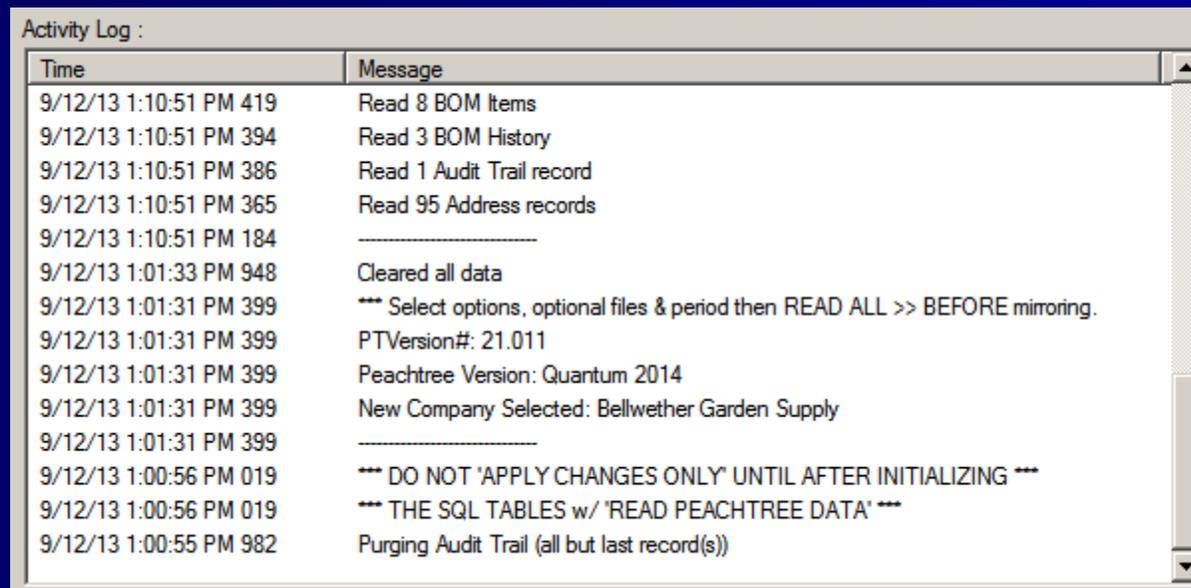
Read Peachtree Data

AFTER limiting the data pull ...



Next Read Peachtree Data

Activity Log



Activity Log :

Time	Message
9/12/13 1:10:51 PM 419	Read 8 BOM Items
9/12/13 1:10:51 PM 394	Read 3 BOM History
9/12/13 1:10:51 PM 386	Read 1 Audit Trail record
9/12/13 1:10:51 PM 365	Read 95 Address records
9/12/13 1:10:51 PM 184	-----
9/12/13 1:01:33 PM 948	Cleared all data
9/12/13 1:01:31 PM 399	*** Select options, optional files & period then READ ALL >> BEFORE mirroring.
9/12/13 1:01:31 PM 399	PTVersion#: 21.011
9/12/13 1:01:31 PM 399	Peachtree Version: Quantum 2014
9/12/13 1:01:31 PM 399	New Company Selected: Bellwether Garden Supply
9/12/13 1:01:31 PM 399	-----
9/12/13 1:00:56 PM 019	*** DO NOT 'APPLY CHANGES ONLY' UNTIL AFTER INITIALIZING ***
9/12/13 1:00:56 PM 019	*** THE SQL TABLES w/ 'READ PEACHTREE DATA' ***
9/12/13 1:00:55 PM 982	Purging Audit Trail (all but last record(s))

The Activity Log gives a running account of Data Mirror Activity.

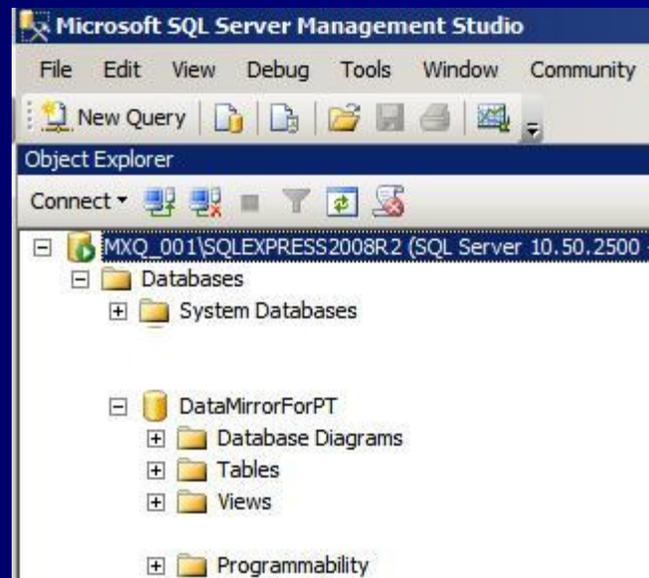
Apply Changes Only & Start Mirror



- Start Mirroring will mirror every transaction that takes place in Sage 50.
- If for some reason, a transaction seems to be missing, use Apply Changes Only to check.
 - If there are a huge number of transactions, use Read Peachtree Data.

Available Data Objects

- n Mirror data resides in Microsoft SQL Server.
- n Database name:DataMirrorForPT



Tables

- + [db] dbo.Account Segments
- + [db] dbo.Addresses
- + [db] dbo.AttachmentBundles
- + [db] dbo.Attachments
- + [db] dbo.AuditTrail
- + [db] dbo.Batch Posting Data
- + [db] dbo.BOM History
- + [db] dbo.BOM History Components
- + [db] dbo.BOM Items
- + [db] dbo.BudgetDetail
- + [db] dbo.Budgets
- + [db] dbo.Chart
- + [db] dbo.ChartHistory
- + [db] dbo.ChartPurgeData
- + [db] dbo.CompanyInformation
- + [db] dbo.CompanySetupFlags
- + [db] dbo.Contacts
- + [db] dbo.Cost
- + [db] dbo.CurrentCompany
- + [db] dbo.CustomerHistory
- + [db] dbo.Customers
- + [db] dbo.DataToMirror
- + [db] dbo.DataToMirrorJournals
- + [db] dbo.Default Customer Data
- + [db] dbo.Default Employee EE Fields
- + [db] dbo.Default Employee ER Fields

- + [db] dbo.Default Employee General Data
- + [db] dbo.Default Employee Pay Level
- + [db] dbo.Default Employee Payroll Lookup
- + [db] dbo.Default Employee W2 Boxes
- + [db] dbo.Default Employee W2 Fields
- + [db] dbo.Default GL Accounts
- + [db] dbo.Default Inventory Data
- + [db] dbo.Default Item Tax Types
- + [db] dbo.Default Job Data
- + [db] dbo.Default Pay Method
- + [db] dbo.Default Price Levels
- + [db] dbo.Default Ship Method
- + [db] dbo.Default Statement Data
- + [db] dbo.Default Vendor Data
- + [db] dbo.EmployeeDirectDepositData
- + [db] dbo.EmployeeEEDetail
- + [db] dbo.EmployeeERDetail
- + [db] dbo.EmployeePayInfo
- + [db] dbo.EmployeePayrollDetail
- + [db] dbo.Employees
- + [db] dbo.EventLog
- + [db] dbo.General Data
- + [db] dbo.General Data 2
- + [db] dbo.InventoryCost
- + [db] dbo.JobData

- + [db] dbo.JrnlHdr
- + [db] dbo.JrnlHdrDirectDepositData
- + [db] dbo.JrnlRow
- + [db] dbo.JrnlSNo
- + [db] dbo.LineItemAttributes
- + [db] dbo.LineItemComponents
- + [db] dbo.LineItemHistory
- + [db] dbo.LineItemPriceLevels
- + [db] dbo.LineItems
- + [db] dbo.Lookup1099Type
- + [db] dbo.LookupAccountTypeDescription
- + [db] dbo.LookupAuditTrailActionCode
- + [db] dbo.LookupAuditTrailType
- + [db] dbo.LookupBillingStatus
- + [db] dbo.LookupBillingType
- + [db] dbo.LookupBusinessType
- + [db] dbo.LookupCostingMethod
- + [db] dbo.LookupCreditStatus
- + [db] dbo.LookupEmployeeEmploymentStatus
- + [db] dbo.LookupEmployeeEthnicity
- + [db] dbo.LookupEmployeeGender
- + [db] dbo.LookupEmployeeI9VerificationStatus
- + [db] dbo.LookupEmployeeMaritalStatus
- + [db] dbo.LookupEventCategory
- + [db] dbo.LookupEventType
- + [db] dbo.LookupGender

Tables (continued)

- + [table icon] dbo.LookupGovernment
- + [table icon] dbo.LookupInventoryCostCode
- + [table icon] dbo.LookupItemClass
- + [table icon] dbo.LookupJobBillingMethod
- + [table icon] dbo.LookupJournalName
- + [table icon] dbo.LookupPayFrequency
- + [table icon] dbo.LookupPayLevel
- + [table icon] dbo.LookupPayMethod
- + [table icon] dbo.LookupPayType
- + [table icon] dbo.LookupPriceLevelMethod
- + [table icon] dbo.LookupPriceLevelRounding
- + [table icon] dbo.LookupPriceLevelUse
- + [table icon] dbo.LookupRecurrenceRate
- + [table icon] dbo.LookupTaxAuthorityBasedOn
- + [table icon] dbo.OptionalData
- + [table icon] dbo.Options
- + [table icon] dbo.PaymentMethods
- + [table icon] dbo.Periods
- + [table icon] dbo.Phase
- + [table icon] dbo.TaxAuthorities
- + [table icon] dbo.TaxCodes
- + [table icon] dbo.TaxTable
- + [table icon] dbo.TaxTableDetail
- + [table icon] dbo.TicketRegister

- + [table icon] dbo.Transaction Log
- + [table icon] dbo.VendorHistory
- + [table icon] dbo.Vendors
- + [table icon] dbo.Version
- + [table icon] dbo.Work Ticket Detail
- + [table icon] dbo.Work Ticket Header

The plus sign expands the field list for each table.

Familiarity with SQL Server Databases, tables & fields **REQUIRED.**

Typically a programmer would use ADO.Net to use these SQL tables.

Views

The Journal tables contain ALL journals. The Data Mirror provides views that limit data by journal

+ [X]	dbo.Assembly Adjustment Journal Detail
+ [X]	dbo.Assembly Adjustment Journal Header
+ [X]	dbo.Cash Disbursement Journal Detail
+ [X]	dbo.Cash Disbursement Journal Header
+ [X]	dbo.Cash Receipt Journal Detail
+ [X]	dbo.Cash Receipt Journal Header
+ [X]	dbo.Customer sales
+ [X]	dbo.General Journal Detail
+ [X]	dbo.General Journal Header
+ [X]	dbo.Inventory Adjustment Journal Detail
+ [X]	dbo.Inventory Adjustment Journal Header
+ [X]	dbo.Payroll Journal Header
+ [X]	dbo.Payroll Journal Job Detail
+ [X]	dbo.Payroll Journal Pay Detail
+ [X]	dbo.Purchase Journal Detail
+ [X]	dbo.Purchase Journal Header
+ [X]	dbo.Purchase Order Journal Detail
+ [X]	dbo.Purchase Order Journal Header
+ [X]	dbo.Quote Journal Detail
+ [X]	dbo.Quote Journal Header
+ [X]	dbo.Sales Journal Detail
+ [X]	dbo.Sales Journal Header
+ [X]	dbo.Sales Order Journal Detail
+ [X]	dbo.Sales Order Journal Header

Stored Procedures

- n A large number of procedures are available under Programmability/Stored Procedures
- n Make sure you COPY any sprocs you want to use & rename it so as not to break the Data Mirror.

Sample Code

- n C:\Program Files\Multiware\
DataMirrorForPT contains source code
for the DisplayMirrorData application
- n See DisplayMirroredDataSources.zip
- n Modest software engineering skills
required.

MS Excel & MS Access

n In the same folder you will find instructions to get you started using Mirror data in Excel or Access.

– See [UsingMirrorData_InExcel_orAccess.pdf](#)

User's Manual

- n In the same folder you will find the
UM
 - See [DATA MIRROR FOR PT User Manual].pdf