Control Account Reconciliation, Inventory Valuation by Date, Diagnostic Tool



Introduction

This article provides general background on Evolution company database health checks that can be performed. Doing this is critical to ensure such things as, but not limited to the following aspects:

- Integrity between the GL Control Accounts and sub-ledger balances;
- Resolving any duplicate records found in the Inventory, GL, AR, and AP modules;
- AR and AP transactions are allocated correctly;
- Inventory Valuation by date integrity;
- Transaction Type setups.

Details

In order to ensure and maintain the above mentioned company database integrity issues have been adhered to, consider especially the following 3 utilities that you can use:

1. Control Account Reconciliation Utility

1.1 Purpose:

This utility allows you to verify General Ledger accounts against sub-ledger transactions.

With other words, it detects transactions found in the GL Control Accounts (e.g. Accounts Receivable Control Account) that are not in the relevant sub-ledger module (e.g. Accounts receivable), and vice versa.

It was designed to assist and simplify the month end process and to save you time in trying to identify the imbalances.

1.2 Installation:

The Reconciliation utility installs automatically as part of the core Evolution modules with no installation option having to be selected.

After the installation, you should have a **Pastel.Evolution.ControlReconciliation.d**II file located in the locally installed C:\Program Files (x86)\Sage Evolution\AddIns folder.

| ↓ Computer 	Local Disk (C:) 	Program Files (x86) 	Sage Evolution 7.10.101 	AddIns | | | | | | | |
|---|---|--|--------------------|--|--|--|--|
| Include in library 🔻 | | Share with 👻 🛛 Burn 🛛 New folder | | | | | |
| ies | ^ | Name | Date modified | | | | |
| top | | Evolution.InventoryIssue.Addin.dll | 2015/09/28 6:21 PM | | | | |
| nloads | | Evolution.MailMerge.AddIn.dll | 2015/06/25 1:17 PM | | | | |
| nt Places | | Evolution.Utilities.AddIn.dll | 2015/07/06 12:43 | | | | |
| | | MobileInvCount.dll | 2015/09/22 5:30 PM | | | | |
| ıp | | Pastel.Evolution.BIC.Addin.dll | 2015/06/25 1:17 PM | | | | |
| iries | | Pastel.Evolution.ControlReconciliation.dll | 2015/09/29 3:48 PM | | | | |
| cuments | | Pastel.Evolution.Controls.dll | 2015/07/06 1:33 PM | | | | |
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| leos | Ξ | Pastel.Evolution.DiagnosticTool.Core.dll | 2015/07/06 1:33 PM | | | | |
| aar, Bennie | | Pastel.Evolution.dll | 2015/07/06 1:33 PM | | | | |
| iputer | | Pastel.Evolution.StockValuation.dll | 2015/07/02 1:31 PM | | | | |
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| SILIPNIPCORDONINA | | | | | | | |

1.3 Location:

General Ledger | Transactions | Control Account Reconciliation

1.4 Basic Functions:

A user can use the utility to reconcile on either Customers, Suppliers or Inventory related transactions.

Notice below the results of running the utility in this example:

- The utility has picked up a R4000 transaction in the Accounts Receivable GL account (as selected on the Accounts dropdown on the utility's header section) for which it didn't find a corresponding entry on the POSTAR table.
- This is indicated by the Debit column field on the third transaction below = R0.00 and the debit Difference (also on the same row) = R4000.

| Control Account Reco | onciliation | - C | | | | | | | | | |
|---------------------------|------------------------|----------------|--------|-------------------------|----------|-------------------------|-------------|-----------|-----------------------------------|-------------------------|--------------------|
| 🗄 🔏 View Clear 🎦 | Save Grid Print | | _ | _ | _ | | _ | _ | | | Ŧ |
| Customers | 🔘 Supplier | rs | 01 | inventory | | √ Show F | Reconciled | | Totals Customer: General Le | s Transactions edger | 122.50 4,122.50 |
| From Date 201 | 5/12/01 💌 | | Gener | al Ledger ount Types | Other C | urrent Asset, Trade R | eceivables | | ▼ Difference | | 4,000.00 |
| To Date 201 | 5/12/31 🔻 | | Acco | ounts | Receivat | oles Control - Receival | oles Contro | d | • | | |
| Drag a column header here | to group by that colum | ın | | | | | | | | | |
| Date GL Account | t Reference | e Audit Number | TrCode | Debit | GL Debit | Debit Difference | Credit | GL Credit | Credit Difference | Reconciliation State | Reconciled |
| 2015/12/04 Receivable | s Control INV0012 | 21.0001 | INV | 110.25 | 110.25 | 0.00 | 0.00 | 0.00 | 0.00 | Reconciled | V |
| 2015/12/04 Receivable | s Control INV0013 | 22.0001 | INV | 12.25 | 12.25 | 0.00 | 0.00 | 0.00 | 0.00 | Reconciled | V |
| 2015/12/04 Receivable | s Control REF001 | 23.0001 | JNL | 0.00 | 4,000.00 | 4,000.00 | 0.00 | 0.00 | 0.00 | Flagged | |
| | | | | 122.50 | 4,122.50 | 4,000.00 | 0.00 | 0.00 | 0.00 | | |

2. Inventory Valuation by Date

2.1 Purpose:

- The Inventory Valuation by Date utility provides detailed information to trace and analyse the stock transactions and valuation at a specific selected date.
- This feature allows you to examine the effects of those transactions on the quantity and value of your company's stock on hand.
- This can be run for any date, past or up to the present day allowing you to see a snapshot of the value of your stock at any time.

2.2 Installation:

The Valuation by Date utility installs automatically as part of the core Evolution modules with no installation option having to be selected.

After the installation, you should have a **Pastel.Evolution.StockValuation.dll** file located in the locally installed C:\Program Files (x86)\Sage Evolution\AddIns folder.

| Computer + Local | l Dis | k (C:) ▶ Program Files (x86) ▶ Sage Evolution 7.1 | 0.101 🕨 AddIns |
|--|-------|---|--------------------|
| Include in library | | Share with 🔻 🛛 Burn New folder | |
| tes | | Name | Date modified |
| ktop | | Evolution.InventoryIssue.Addin.dll | 2015/09/28 6:21 PM |
| vnloads | | Evolution.MailMerge.AddIn.dll | 2015/06/25 1:17 PM |
| ent Places | | Evolution.Utilities.AddIn.dll | 2015/07/06 12:43 |
| | | MobileInvCount.dll | 2015/09/22 5:30 PM |
| pp | | Pastel.Evolution.BIC.Addin.dll | 2015/06/25 1:17 PM |
| aries | | Pastel.Evolution.ControlReconciliation.dll | 2015/09/29 3:48 PM |
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| usic | | Pastel.Evolution.DataExport.dll | 2015/06/09 1:11 PM |
| ctures | | Pastel.Evolution.DataImport.dll | 2015/06/22 8:54 AM |
| deos | = | Pastel.Evolution.DiagnosticTool.Core.dll | 2015/07/06 1:33 PM |
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| work | | Pastel.Evolution.UI.dll | 2015/07/06 1:33 PM |
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2.3 Location:

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Inventory | Enquiries | Valuation by Date

2.4 Basic Functions:

This feature allows the user to determine the total inventory valuation of the company as at any specific date selected on the header section.

| Stock Valuation | | - | | | | | | | | | - 0 X |
|--|--------------------|----------------|-------------|----------------------|--|--|------------|-------------|----------------|-------------|--------------|
| 🗄 🔍 View Clear | 💾 Save Grid | 💾 Save Valua | tion Print | | | | | | | | ÷ |
| Dates | | | | Inventory | (| | | | | | |
| Valuation Date 2015/11/30 Calculation Date 2015/11/30 Cal | | | | From To Groups | [Select [Select | an Inventory Itemj an Inventory Itemj | 7 | • | | | |
| Options Order Records By Transaction Date Ignore Inactive Items Reset cumulative value when quantity is zero | | | | | n <i>[Select</i> <i>[Select</i> ouse < All > | a Bin Location] a Bin Location] | | | | | |
| Drag a column header h | nere to group by t | hat column | Weether | | | | Coloritor | due to cont | Questilaure | | Veloc |
| - SER | SER. | iption | N/A | ode | Item Gro | up | Calculate | 350.8767 | Quantity on 9. | 0000 | 3, 157, 8900 |
| Transaction Details | | | | | | | | | | | |
| Drag a column hea | der here to group | by that column | | | | | | < | | | |
| ৎ Transaction D | . Reference | TrCode | Transaction | Cost Tra | ansaction Qty | Warehouse T | Debit | Credit C | alculated Uni | Qty on Hand | Value |
| > 2015/11/10 2015/11/10 | GRV0006 | GRV | 350 | .8800 | 10.0000 | 10.0000 | 3,508.7700 | 0.0000 | 350.8770 | 10.0000 | 3,508.7700 |
| 1010/11/10 | | 10 | | | | 10000 | 0.0000 | 55516665 | | 510000 | 5,15,16,500 |
| Interpretation → NEW | NEW | | N/A | | | | | 701.7544 | 9 | 000 | 6,315.7900 |
| K Record 2 o | f2 🕨 🕨 🕅 | (| | | | | | | | | 9,473.6800 |

From the above also notice the filters that can be used to fine tune your valuation results:

Inventory Item range, Groups (Inventory Group), Packs, Bins and Warehouse.

The user can now reconcile the total valuation value as displayed at the bottom right of the screen (R9 473.68 in this case) against the company's Inventory Control account/s.

Also notice at the bottom section of the utility, how the grouping on inventory items that allows the user to expand each item to view all the relevant stock related transactions by selecting the icon below:

| 🛨 NEW | NEW | N/A |
|-------|-----|-----|
| | | |

3. Diagnostic Tool

3.1 Purpose:

- This tool provides a combination of health check MS SQL scripts designed to assist with data investigations.
- The screenshot below lists the modules on which various health checks can be run on:



- The Diagnostic Tool is designed to identify and isolate the anomalies in the company data for further investigation.
- Such anomalies include, but are not limited to:
 - o Ledger Control account transaction imbalances vs Sub-ledger transactions;
 - o Invalid allocations in the AR and AP modules;
 - o duplicate records e.g. duplicate inventory, customer, supplier, and GL account codes;
 - Incorrect module setup e.g. transaction types setup;
 - Negative inventory quantities;
 - Vat Report not balancing with VAT Control account;
 - Negative values posed on GL accounts and many others
- Note that The Diagnostic Tool can only identify/diagnose such anomalies and does not fix them.



3.2 Installation

Upon installing Evolution, select the **Diagnostic Tool** option on the installation wizard.

| 🖸 Sag | ge Ev | olution Setup | (march) | |
|---------------|------------------------|---|---------------|-----------------|
| Sag ERP | je E | Evolution | | sage |
| Select Sel | c ted lect w | Components /hich components to install | | |
| Ad | Imini | istrator | | |
| In | stall | Component | | * |
| [| V | Inventory Issue | | |
| [| 1 | Alert Management | | |
| | V | Advanced Procurement | | |
| | 1 | Mobile Sales | | |
| | V | Inventory Optimisation | | |
| | V | Microsoft Data Access Components (MDAC 2.8) | | |
| | V | Retail Point of Sale Till | | |
| | v | EFT Integration | | - |
| | v | Diagnostic Tool | | = |
| | ~ | Fiscal Integration | | |
| | ~ | Municipal Billing | | |
| | v | Mobile Inventory Count | | T |
| | Show | / Comments | Select | All Select None |
| Sage E | volut | | < Back Next > | Cancel |

Otherwise, if Evolution is already installed, install the Diagnostic Tool from the **Evolution installation disk** | **DiagnosticTool folder | setup.exe** file.

3.3 Location:

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C:\Program Files (x86)\Sage Evolution\DiagnosticTool.exe (referring to the locally installed Evolution folder).

This allows users to create a desktop shortcut for the above file and run the Tool from outside of Evolution. Also notice that if properly installed, the Pastel.Evolution.DiagnosticTool.Core.dll file should be available in the locally installed C:\Program Files (x86)\Sage Evolution\AddIns folder.

| → Computer → Local Disk (C:) → Program Files (x86) → Sage Evolution 7.10.101 → AddIns | | | | | | | | |
|---|---|--|--------------------|--------------------|----------|--|--|--|
| ▼ Include in library ▼ Share with ▼ Burn New folder | | | | | | | | |
| rites | Â | Name | Date modified | Туре | Size | | | |
| sktop | | Evolution.InventoryIssue.Addin.dll | 2015/09/28 6:21 PM | Application extens | 787 KB | | | |
| wnloads | | Evolution.MailMerge.AddIn.dll | 2015/06/25 1:17 PM | Application extens | 1,500 KB | | | |
| cent Places | | Evolution.Utilities.AddIn.dll | 2015/07/06 12:43 | Application extens | 1,072 KB | | | |
| | | MobileInvCount.dll | 2015/09/22 5:30 PM | Application extens | 546 KB | | | |
| top | | Pastel.Evolution.BIC.Addin.dll | 2015/06/25 1:17 PM | Application extens | 1,249 KB | | | |
| raries | | Pastel.Evolution.ControlReconciliation.dll | 2015/09/29 3:48 PM | Application extens | 116 KB | | | |
| locuments | | Pastel.Evolution.Controls.dll | 2015/07/06 1:33 PM | Application extens | 262 KB | | | |
| Music | | Pastel.Evolution.DataExport.dll | 2015/06/09 1:11 PM | Application extens | 739 KB | | | |
| lictures | _ | Pastel.Evolution.DataImport.dll | 2015/06/22 8:54 AM | Application extens | 980 KB | | | |
| /ideos | = | Pastel.Evolution.DiagnosticTool.Core.dll | 2015/07/06 1:33 PM | Application extens | 1,989 KB | | | |
| maar, Bennie | | Pastel.Evolution.dll | 2015/07/06 1:33 PM | Application extens | 2,631 KB | | | |
| mputer | | Pastel.Evolution.StockValuation.dll | 2015/07/02 1:31 PM | Application extens | 94 KB | | | |
| twork | | Pastel.Evolution.UI.dll | 2015/07/06 1:33 PM | Application extens | 305 KB | | | |
| ASJHBNBANRAPHI | | UtilitiesAndBilling.Addin.dll | 2015/06/26 8:49 AM | Application extens | 1,125 KB | | | |
| ASHBNBANSANTA | | | | | | | | |

3.4 Basic Steps and Functions:

1. Open the main health check feature of the Diagnostic Tool from within the Data menu:



2. Select the relevant module on which the health checks need to be run on:

| Sage | Evolution Diagnostic Tool |
|---------------|---|
| E File | ▼ Data ▼ Reports ▼ Help ▼ |
| Diagnos | tic Check 🗙 |
| Ð | Select All Select None |
| Module | Common |
| Diagnost | Module Module |
| ⊡- <u>@</u> (| Accounts Payable Accounts Receivable |
| Er 4 | Common |
| | General Ledger Implementation Checks |
| | Inventory |
| | Tax |
| | |
| | |

3. Select the specific parameters on which the health checks should be run on the right and select the OK button below.

| Sage Evolution Diagnostic Tool | | |
|--------------------------------|---|------------------|
| File - Data - Reports - Help - | | |
| Diagnostic Check X | | |
| Select All Select None | | |
| | | |
| Diagnostic Tests | Description | Selected |
| Common | | V |
| Duplications | | |
| GL account duplication | General legder account code duplication | |
| AR account duplication | Debtor account code duplication | |
| AP account duplication | Creditor account code duplication | |
| Price List Prices Duplication | Drive Liet Brices Dualication | |
| Stock Links Duplication | Stock Linke Duplication | |
| Back Code Duplication | Back Code Duplication | |
| Terms Duplication | Terms Duplication | |
| Delivery Address Duplication | Delivery Address Duplication | |
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| | | |
| | | |
| | | |
| | | |
| | Ok | Cancel |
| | SQL Instance Name PASJHBWSBENPIE Database 710NEWEST Common EvolutionC | ommon710ULTIMATE |

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4. If no issues have been found, this message should display:



5. If any are issues found on the above selected options, this message should display:



6. Select the OK button above and further analyse the results displayed below:

| Sage Evolution Diagnostic Tool | x | | | | | |
|--|-----|--|--|--|--|--|
| : File - Data - Reports - Help - | | | | | | |
| Diagnostic Check × Results (4) × | | | | | | |
| Control not in subledger 📓 | | | | | | |
| | | | | | | |
| Failed Scripts 1 | | | | | | |
| Module : Accounts Receivable Description : Control not in subledger | 0 | | | | | |
| Select PGL.TxDate,PGL.Id,Acc.Master_Sub_Account,Acc.Description as AccountDesc,Tr.Code | | | | | | |
| as TrCode,PGL.Debit,PGL.Credit,PGL.Description,PGL.Reference,PGL.cAuditNumber,IsNull (Br.cBranchCode.") as BranchCode from PostGL PGL left outer ioin Accounts Acc on | | | | | | |
| PGL.AccountLink = Acc.AccountLink left outer join TrCodes Tr on PGL.TrCodeID = | | | | | | |
| join TaxRate Tax on PGL.TaxTypeID = Tax.idTaxRate left outer join _etblBranch Br on | | | | | | |
| PGL.PostGL_BranchID = Br.idBranch where PGL.AccountLink in (Select AccountLink from Accounts a inner join _etblGLAccountTypes t on a.iAccountType = t.idGLAccountType where | | | | | | |
| t.cAccountTypeDescription = Trade Receivables) and PGL.cAuditNumber not in (Select Distinct cauditNumber from PostAB) order hv PGL cAuditNumber | | | | | | |
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| 2015 JL Recei Recei JNL 4000 0 DESC REF001 23.0 | | | | | | |
| Check Script Row Count | | | | | | |
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| SQL Instance Name PASJHBWSBENPIE Database 710NEWEST Common EvolutionCommon710ULTIM | ATE | | | | | |

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7. In this case a health check was performed on the Accounts Receivable module and specifically on the **Control not in subledger** option:

| Sage Evolution Diagnostic Tool | offer set a fasher faster | |
|----------------------------------|--|----------|
| : File 🕶 Data 🕶 Reports 👻 Help 💌 | | |
| Diagnostic Check × Results (4) × | | |
| Select All Select None | | |
| Module Accounts Receivable | | • |
| Diagnostic Tests | Description | Selected |
| 🖃 🔩 Accounts Receivable | | V |
| 🖨 💑 Age Analysis | | |
| | Transactions posted to the debtor control account not found within the PostAR table | V |
| | Transactions posted to the PostAR table not found within the debtor control account | |
| Out-of-Balance postings | Transactions posted different values between the PostAR table and the debtor control | |
| 🕂 💑 Invalid Allocations | | |
| | Transactions allocated to a non-existing transaction within the PostAR table | |
| | The allocated amounts between transactions are not in balance | |
| | The amounts allocated between transactions are more than the transactional value | |
| - 🧃 Credits allocated to credits | Transactions posted as credits are alloacted to other credit transactions | |
| | Transactions posted as debits are alloacted to other debit transactions | |
| 🗄 藏 Invalid Postings | | |
| | Transactions posted to the debtor subledger with Null values in either debit or credit | |
| - 🚽 Negative value postings | Transactions posted to the debtor subledger with Negative values in either debit or credit | |
| | PostARPexLex | |
| | | |





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