

Analytical Accounting

Presented by:
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Introduction – Charles Allen



- Managing consultant
- More than 20 years experience
- Microsoft MVP

What You Will Learn

What you will learn in this webinar

- The purpose of Analytical Accounting
- Setup steps
- Transaction Entry
- Budgets
- Reporting
- Integrating data
- Q&A

The Purpose of Analytical Accounting

- Enables you to track data tied to your GL accounts without creating new GL segments
- Track non-financial information, such as hours or dates or approval flags for expenses
- Think of it as a “poor man’s project accounting”

The Purpose of Analytical Accounting

- Examples
 - Track costs associated with building a new building
 - Track information related to expense sheets
 - Government grants

Setup

- Set up your modules first (probably already done for those watching today) (Required)
- Create the default AA records (R)
- Set up posting (R)
- Select the options (R)
- Set up SmartList integration (Optional)
- Define reporting periods (O)

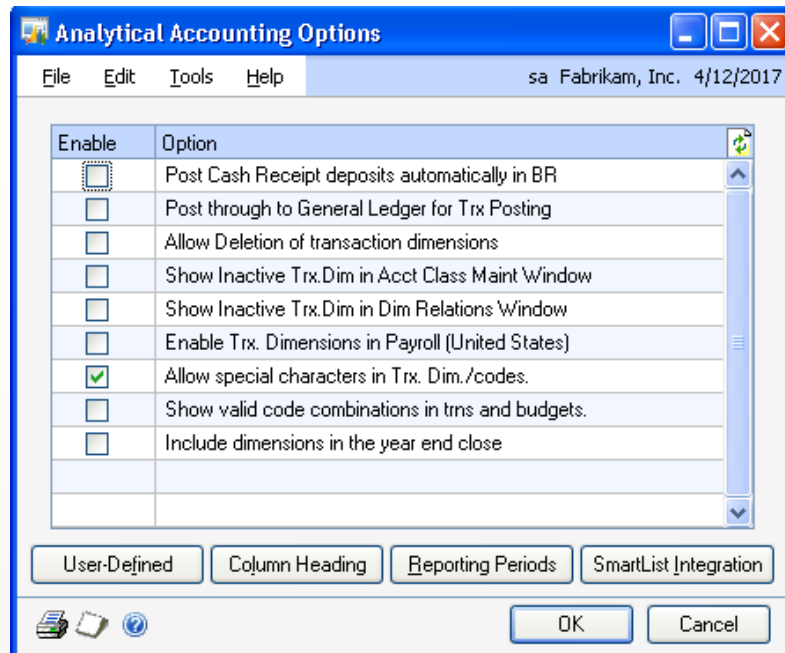
Setup

- Define column descriptions (O)
- Set up user-defined fields (O)
- Set up company module assignments (O)
- Create card items in AA such as dimensions (R)
- Set up security (R)
- Activate AA (R)

Setup

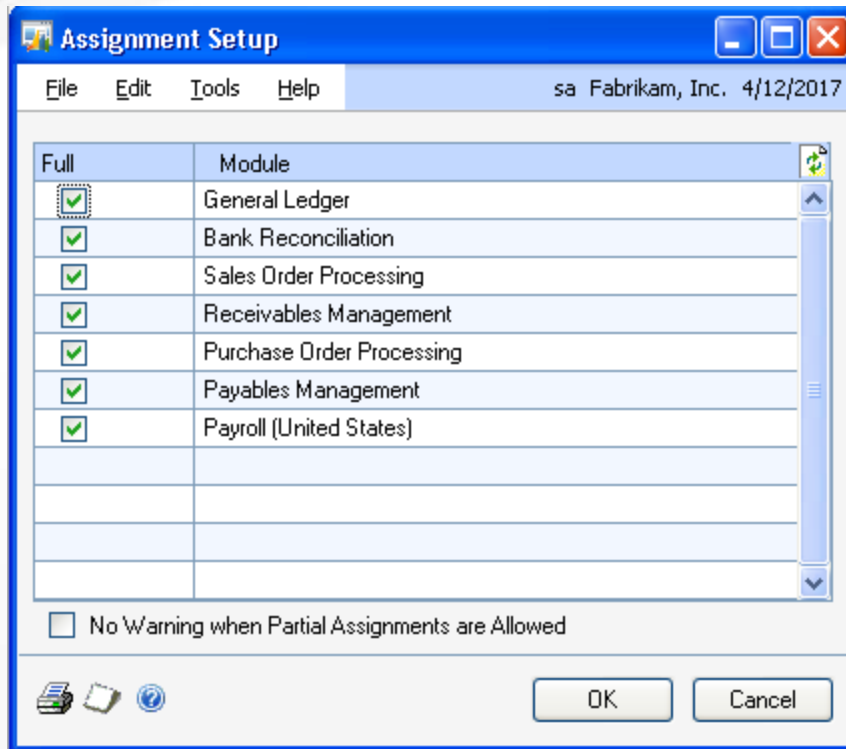
■ Analytical Accounting Options

Do not mark the option to allow special characters when using FRx



Setup

- Company Module Assignments



Cards

- Dimensions
- Aliases
- Account Classes
- Trees

Dimensions

- Unlimited number allowed
- Four types
 - Alphanumeric – *“Accounting Office Expansion”*
 - Numeric – *Number of personnel involved*
 - Yes/No – *Was this expense approved?*
 - Date – *Date of approval*

Dimensions

- Relationships can be set between dimensions
 - All combinations allowed
 - Combination not allowed
 - Is owned by
 - Owns Trx Dimension

Dimensions

Combinations between Dimensions – Which Projects can be Associated with a Division

The screenshot shows the 'Transaction Dimension Code Validation' window. The window title is 'Transaction Dimension Code Validation' and the user is 'sa Fabrikam, Inc.' with the date '4/12/2017'. The interface includes a menu bar (File, Edit, Tools, Help) and a toolbar (Save, Clear, Redisplay). The main area is divided into two sections: 'Trx Dimension' and 'Related Trx Dimension'. The 'Trx Dimension' section has a search box for 'DIVISION' and a '< Switch >' button. Below it is a table with columns 'Trx Dim Code', 'Description', and 'Inactive'. The 'Related Trx Dimension' section has a search box for 'PROJECT' and buttons for 'Copy', 'Mark', and 'Unmark'. Below it is a table with columns 'Trx Dim Code', 'Description', and 'Inactive'. At the bottom, a status bar indicates the relationship: 'Relation between DIVISION and PROJECT: DIVISION Owns Trx Dimension PROJECT'.

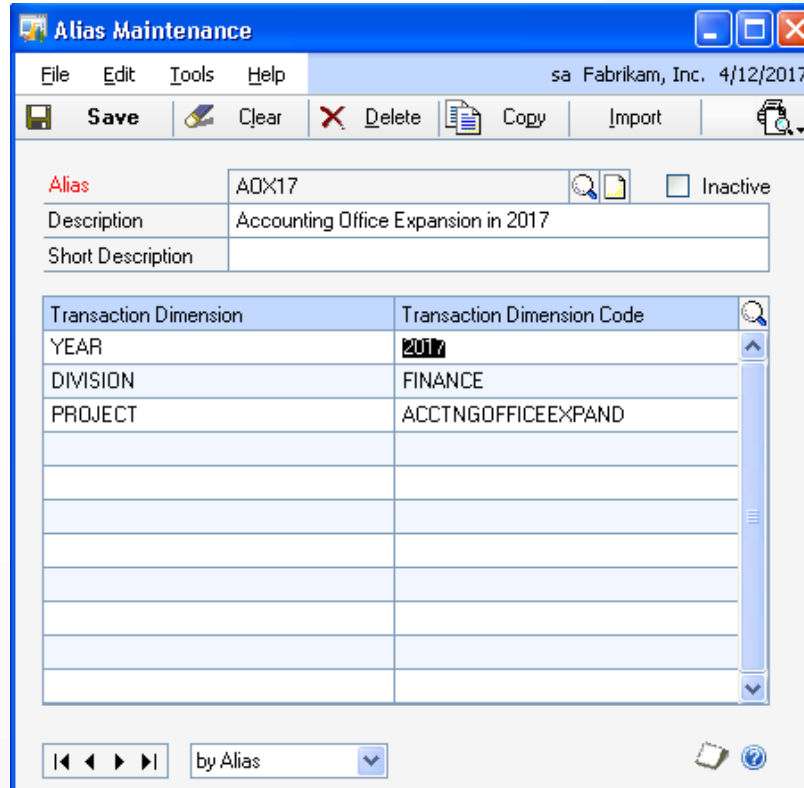
Trx Dim Code	Description	Inactive
SALES	Sales	
FINANCE	Finance	
MFG	Manufacturing	
ADMIN	Administration	

Trx Dim Code	Description	Inactive
<input checked="" type="checkbox"/> ACCTNGO...	Accounting Office Expansion	
<input type="checkbox"/> ACMEPUR...	ACME Company Purchase	

Relation between DIVISION and PROJECT: DIVISION Owns Trx Dimension PROJECT

Dimension Alias

- Used to make transaction entry faster



The screenshot shows a software window titled "Alias Maintenance" for user "sa Fabrikam, Inc." on "4/12/2017". The window has a menu bar (File, Edit, Tools, Help) and a toolbar with buttons for Save, Clear, Delete, Copy, and Import. The main form contains the following fields:

- Alias: ADX17 (with a search icon and an "Inactive" checkbox)
- Description: Accounting Office Expansion in 2017
- Short Description: (empty)

Below these fields is a table with two columns: "Transaction Dimension" and "Transaction Dimension Code".

Transaction Dimension	Transaction Dimension Code
YEAR	2017
DIVISION	FINANCE
PROJECT	ACCTNGOFFICEEXPAND

At the bottom of the window, there are navigation arrows and a dropdown menu set to "by Alias".

Account Class

- Category of accounts used with dimensions
- Multiple categories can be created
- Not every dimension might be used with every category – *expense reports may not impact revenue accounts*

Account Class

Accounting Class Maintenance

File Edit Tools Help sa Fabrikam, Inc. 4/12/2017

Save Clear Delete

Class ID: OFFEXP
Description 1: Office Expansion
Description 2:

Enable Reporting On

Customers Employees Site IDs
 Vendors Item Numbers

ab 12 [x] [z]

Trx Dimension	Analysis Type	Trx Dimension Code Default	Show	Inactive
Trx Dimension Code Description				
YEAR	Required		<input checked="" type="checkbox"/>	<input type="checkbox"/>
DIVISION	Required		<input checked="" type="checkbox"/>	<input type="checkbox"/>
PROJECT	Required		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Accounts

by Accounting Class

Account Class

- Must assign account classes to GL accounts
- Determines which accounts will be used with dimensions
- Can use posting and unit accounts
- Only one class can be assigned to an account

Transactions

- Transactions can be entered in these modules

General Ledger	Payables Management
Receivables Management	Purchase Order Processing
Sales Order Processing	Inventory
Bank Reconciliation	U.S. Payroll

Transactions

- Example
- Notice the use of the alias*

The screenshot shows the 'Analytical General Transaction Entry' window for 'sa Fabrikam, Inc.' dated 4/12/2017. The window includes a menu bar (File, Edit, Tools, View, Help) and a toolbar with buttons for OK, Save, Clear, and Validate. The main area displays transaction details:

Distribution	1 of 1	Originating Amount	\$500.00	Dr	
Company ID	TWO	Assigned	\$500.00	100.00%	
Account	000-6800-01 Project Expenses	Unassigned	\$0.00	0.00%	

Below this is a table with columns: Number, Originating Amount, Assign %, Alias, and Reference. The first row shows: 1, \$500.00, 100.00%, AOX17. The second row shows: , \$0.00, 0.00%, .

At the bottom, there is a table for 'Trx Dimension' with columns: Trx Dimension Description, Trx Dimension Code Description, Yes/No, and Date. The first three rows are:

Trx Dimension	Alphanumeric	Numeric	Yes/No	Date
ab YEAR	R 2017	0	<input type="checkbox"/>	0/0/0000
ab DIVISION	R FINANCE	0	<input type="checkbox"/>	0/0/0000
ab PROJECT	R ACCTNGOFFICEEXPAN	0	<input type="checkbox"/>	0/0/0000

Transactions

- Example

Notice the different types of dimensions

The screenshot shows the 'Analytical Payables Transaction Entry' window for 'sa Fabrikam, Inc.' dated 4/12/2017. The interface includes a menu bar (File, Edit, Tools, View, Help) and a toolbar with buttons for OK, Save, Clear, and Validate. The main area displays transaction details:

Distribution	2 of 2	Originating Amount	\$250.00	Dr	
Company ID	TWD	Assigned	\$250.00	100.00%	
Account	300 - 6530 - 00	Unassigned	\$0.00	0.00%	

The account is identified as 'Meals/Entertainment - Sales'. Below this is a table with columns: Number, Originating Amount, Assign %, Alias, and Reference.

Number	Originating Amount	Assign %	Alias	Reference
1	\$250.00	100.00%		
	\$0.00	0.00%		

At the bottom, there is a table for 'Trx Dimension' with columns: Trx Dimension, Trx Dimension Description, Trx Dimension Code Description, Yes/No, and Date.

Trx Dimension	Trx Dimension Description	Trx Dimension Code Description	Yes/No	Date
<input checked="" type="checkbox"/> EXPAPPR	R	0	<input type="checkbox"/>	0/0/0000
<input type="checkbox"/> APPROVER	R CHARLIE	0	<input type="checkbox"/>	0/0/0000
<input type="checkbox"/> EXPTYPE	O MEALS	0	<input type="checkbox"/>	0/0/0000

Transactions

- AA Posting Journal Example

Screen Output - aaDistributionJournal-GLBM

File Edit Tools Find Help sa Fabrikam, Inc. 4/12/2017

Print Send To Modify 100% Completed 3 Pages Page 1

System: 6/22/2011 10:13:19 AM Fabrikam, Inc. Page: 1
 User Date: 4/12/2017 Analytical Accounting Posting Journal User ID: sa

Journal Entry	Posting Date	Audit Trail Code		Debit Amount	Credit Amount
3,520	4/12/2017	AATRX00000001			
Dist #	Account Number	Description			
1	000-6720-00	Legal Fees		\$1,200.00	\$0.00
Assign #	Debit Amount	Credit Amount	Percentage		
Trx. Dimension	Description		Trx. Dimension Code	Description	
1	\$1,200.00	\$0.00	100.00%		
YEAR	Year		2017	2017	
DIVISION	Division		FINANCE	Finance	
PROJECT	Project		ACCTNGOFFICEEXPAND	Accounting Office Expansion	
Assign Total:	\$1,200.00	\$0.00	100.00%		
2	000-2100-00	Accounts Payable		\$0.00	\$1,200.00
Assign #	Debit Amount	Credit Amount	Percentage		
Trx. Dimension	Description		Trx. Dimension Code	Description	
1	\$0.00	\$1,200.00	100.00%		
Assign Total:	\$0.00	\$1,200.00	100.00%		

Budgets

- Budgets can be assigned to dimensions
- Budgets can be manually entered or imported from Excel
- Budgets are reported using AA queries or other reports
- Budgets are not accessible to FRx or Management Reporter

Reporting

- Management Reporter
- FRx
- SmartList
- AA queries
- SQL Server Reporting Services
- Excel Reports

Management Reporter/FRx

- Built-in support for dimensions
- Dimensions work like other GL segments
- Must use the dimension wizard and the AA add-in for FRx – separate installation!

Reporting

■ SmartList

The screenshot displays the SmartList application window. The title bar reads "SmartList" and the status bar shows "sa Fabrikam, Inc. 4/12/2017". The menu bar includes "File", "Edit", "Tools", "SmartList", "Additional", and "Help". The toolbar contains icons for "Search", "Refresh", "Columns", "Favorites", "Print", "Excel", and "Word".

The left sidebar shows a tree view of folders under "Additional SmartLists":

- Additional SmartLists
 - Analytical Accounting
 - AA Accounting Classes
 - AA Dimension Balances
 - AA Distribution Queries
 - AA Multilevel Queries
 - AA Transactions
 - AA Trees
 - AA Trx Dimension Codes
 - AA Trx Dimensions
 - Certification Manager
 - Company
 - FieldService
 - Financial
 - Fixed Assets
 - Human Resources
 - Inventory
 - Manufacturing
 - Payroll
 - Project Accounting
 - Purchasing
 - Sales

Journal Entry	AA Transaction Source	Trx Dimension Code	Account Index	Debit Amount
3520	AATR:X00000001	2017	178	1200.00000
3520	AATR:X00000001	FINANCE	178	1200.00000
3520	AATR:X00000001	ACCTNGOFFICEEXPAND	178	1200.00000
3521	AATR:X00000002	2017	179	2500.00000
3521	AATR:X00000002	FINANCE	179	2500.00000
3521	AATR:X00000002	ACCTNGOFFICEEXPAND	179	2500.00000
3522	AATR:X00000003	2017	180	750.00000
3522	AATR:X00000003	FINANCE	180	750.00000
3522	AATR:X00000003	ACCTNGOFFICEEXPAND	180	750.00000
3523	AATR:X00000004	2017	181	3200.00000
3523	AATR:X00000004	FINANCE	181	3200.00000
3523	AATR:X00000004	ACCTNGOFFICEEXPAND	181	3200.00000
3524	AATR:X00000005	2017	178	12500.00000
3524	AATR:X00000005	ADMIN	178	12500.00000
3524	AATR:X00000005	ACMEPURCHASE	178	12500.00000
3525	AATR:X00000006	2017	179	5500.00000
3525	AATR:X00000006	ADMIN	179	5500.00000
3525	AATR:X00000006	ACMEPURCHASE	179	5500.00000

18 AA Transactions Completed First 1000 records with no search criteria.

Reporting

- AA Query – Note that AA queries export to Excel automatically

	A	B	C	D	E	F	G	H
1	YEAR	DIVISION	PROJECT	Journal Entry	Reference	GL Posting Date	Account Number	Debit Amount
2	2017	FINANCE	ACCTNGOFFICEEXPAND	3,520		4/12/2017	000-6720-00	1,200.00
3	2017	FINANCE	ACCTNGOFFICEEXPAND	3,521		4/12/2017	000-6730-00	2,500.00
4	2017	FINANCE	ACCTNGOFFICEEXPAND	3,522		4/14/2017	000-6740-00	750.00
5	2017	FINANCE	ACCTNGOFFICEEXPAND	3,523		4/14/2017	000-6750-00	3,200.00
6	2017	ADMIN	ACMEPURCHASE	3,524		4/14/2017	000-6720-00	12,500.00
7	2017	ADMIN	ACMEPURCHASE	3,525		4/15/2017	000-6730-00	5,500.00

Integrations

- Data can be imported!
- Integration Manager – Need to use the eConnect adapters
- eConnect
- SmartConnect (uses eConnect)
- Scribe (uses eConnect)

Where to Get More Information

- BKD Technologies - 877.253.7778 or gpsupport@bkd.com
- Analytical Accounting User's Guide

BKD Technologies Support Center

- Monday - Friday, 8 a.m. - 5 p.m., call our Support Center toll free at:
- **Dynamics GP - 877.253.7778**
GPsupport@bkd.com

Next Webinar

- **Topic:** Using Historical Inventory Trial Balance Report in GP 10 & 2010
- **Date:** July 21, 2011
- **Register at:** www.bkdtechnologies.com/attend

Contact Info

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Thank You For Attending Our Webinar

