

Simple scenario Accounting Schedules MS NAV 2020

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Reason : Orientation in the MS Dynamics NAV 2020 Material helping to understand basic discount principles and one primary type of financial reporting (accounting schedules)

For : MPH_AOPR, winter term 2020

Used database : MS Dynamics NAV 2018w1

Used abbreviations : Q=question, G/L=General Ledger, Simple Scenario = SS,
PWP=Power-Point

Accompanying material: PWP-Accounting Schedules

1. A useful tool to create new financial reports used for economic analysis without programming. This tool complements standard mighty reporting system (hundreds of reports)
2. Basic financial reporting is provided by running user-defined reports called Account Schedules. Besides hundreds of predefined and existing reports, it is a fundamental tool to access vital importance data. All these reports use as resource data. General Ledger Entries are created automatically by posting various documents (e.g., Sales and Purchase orders) by key F9. You can also calculate different parameters, such as IRR, ROI, and many more.

3. Go to menu **Financial Management ->General Ledger ->Reporting & Analysis ->Analysis & Reporting**. There you can see **Account Schedules**.

Name	Description	Default Colum...	Analysis View Name
ANALYSIS	Capital Structure		
CAMPAIGN	Campaign Analysis	BUDGANALYS	CAMPAIGN
CA-PROF	Cost Acct. Summary Record DB per CC...		
CASHFLOW	Calculation Of Cash Flow	CASHFLOW	
CA-STAFF	Cost Acct. Personnel Costs		
CA-TRANS	Cost Acct. Transfer		
DEFAULT	Standard Schedule		
DEGREE	Calculation of Cash Flow Ratio	DEGREE	
I_CACYCLE	Data for Cash Cycle Chart	PERIODS	
I_CASHFLOW	Data for Cash Flow Chart	PERIODS	
I_INCEXP	Data for Income & Expense Chart	PERIODS	
I_MINTRIAL	Data for Reduced Trial Balance Info Part	PERIODS	
M-BALANCE	Balance Sheet	M-BALANCE	
M-CASHFLO...	Cash Flow Statement	M-NETCHA...	
M-INCOME	Income Statement	M-NETCHA...	
M-RETAIND	Retained Earnings	M-NETCHA...	
REVENUE	Revenues	BUDGANALYS	REVENUE

4. In this form, go to the field Name in the header and find analysis (one of many). You see a template of the report created by somebody who already made this Accounting schedule in the demo database. To see data, go to the icon **Edit Account Schedule** and push this icon. There you see all G/L accounts used in this report. The tutor will explain the structure. Then you make the icon **Overview** to see data. The design of the Account schedule uses data taken from G/L entries based on the initial setup of matrix lines and columns:

Row No.	Description	Totaling Type	Totaling	Row Type	Amount Type	Show Opp...	Show	Bold	Italic
	ACID-TEST ANALYSIS	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Current Assets	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
101	Inventory	Total Accou...	2190	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
102	Accounts Receivable	Total Accou...	2390	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
103	Securities	Total Accou...	2890	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
104	Liquid Assets	Total Accou...	2990	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
105	Current Assets, Total	Formula	101..104	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Short-term Liabilities	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
111	Revolving Credit	Posting Acc...	5310	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
112	Accounts Payable	Total Accou...	5490	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
113	VAT	Total Accou...	5790	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
114	Personnel-related Items	Total Accou...	5890	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
115	Other Liabilities	Total Accou...	5990	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
116	Short-term Liabilities, Total	Formula	111..115	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Current Assets minus Short-term Liabili...	Formula	105 116	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>

As you can see in the above form in Row No, we do have variables (entered when created manually). In our case, we do have 101,102 and so on. In the totaling column, we can see accounts.


And to see real data, you can also change periods by related fields (by date, dimension filters such as Department, a project of G/L budget filter). The Dates window from to may be different on the Autumn 2020 course.

HOME ACTIONS CRONUS International Ltd. ?

New View List Edit List Delete Previous Column Next Column Next Period Previous Period Show as List Show as Chart Refresh Clear Filter Find

New Manage Process View Page

General

Account Schedule Name: ANALYSIS View by: Day 

Column Layout Name: DEFAULT Date Filter: 01.01.18..26.06.19

Dimension Filters

Department Filter: G/L Budget Filter:

Project Filter:

Show more fields

Row No.	Description	Net Change Debit	Net Change Credit	Balance at Date Debit	Balance at Date Credit
ACID-TEST ANALYSIS					
Current Assets					
101	Inventory	257 394,14		1 172 562,90	
102	Accounts Receivable	57 454,18		946 529,47	
103	Securities			11 860,69	
104	Liquid Assets	248 179,59		256 244,87	
105	Current Assets, Total	563 027,91		2 387 197,93	
Short-term Liabilities					
111	Revolving Credit		426 750,49		1 384 234,38
112	Accounts Payable	154 941,63			419 486,61
113	VAT		79 372,84		172 334,89
114	Personnel-related Items		21 308,94		138 520,65
115	Other Liabilities	10 979,20			34 572,80
116	Short-term Liabilities, Total		361 511,44		2 149 149,33
Current Assets minus Short-term Liabili...		201 516,47		238 048,60	

OK

5. If you change Default Column layout Name to BUDGANAL (Budget Analysis), you close and open it again by Overview; you will get the different data **overview**. You have to have some data in a budget matrix.

General ^

Account Schedule Name: View by:

Column Layout Name: Date Filter:

Dimension Filters * * ^

Department Filter: G/L Budget Filter:

Project Filter:

Show more fields

Row No.	Description	Net Change	Budget	Variance%
ACID-TEST ANALYSIS				
Current Assets				
101	Inventory		6 100,00	-100,00
102	Accounts Receivable	-163 251,88	40 000,00	-508,13
103	Securities			-100,00
104	Liquid Assets	3 023,72		-100,00
105	Current Assets, Total	-160 228,16	46 100,00	-447,57
Short-term Liabilities				
111	Revolving Credit	-34 417,10	3 000,00	-1 247,24
112	Accounts Payable	171 268,79	7 000,00	2 346,70
113	VAT	18,06	13 000,00	-99,86
114	Personnel-related Items		30 000,00	-100,00
115	Other Liabilities			-100,00
116	Short-term Liabilities, Total	136 869,75	53 000,00	158,24
	Current Assets minus Short-term Liabili...	-23 358,41	99 100,00	-123,57

6. Let's create your analysis!! Go to the Name field and in the list enter a new analysis name (e.g., TEST), as you can see below.

Name	Description	Default Colum...	Analysis View Name
TEST	TEST VAT		
ANALYSIS	Capital Structure		
CAMPAIGN	Campaign Analysis		
BUDGANALYS	CAMPAIGN		

And enter Default column layout = DEFAULT! By use of mouse or **F4** to see and chose this possibility.

Name	Description	Default Colum...	Analysis View Name
ANALYSIS	Capital Structure	DEFAULT	

7. With the help of **F4** from the field Default column layout (see above) and by use of Advanced, you will get this form after the creation of a new line by **Ctrl-N** or icon=**NEW**:

Name	Description	Analysis View Name
TEST	TEST VAT	
ACT/BUD	Actual / Budget Comparison	
BUDGANALYS	Budget Analysis	
CASHFLOW	Comparison month - year	
DEFAULT	Standard Column Layout	
DEGREE	Key Cash Flow Ratio	
M-BALANCE	Balance	
M-NETCHA...	Net Change	
PERIODS	Periods Definition for Mini Charts	

Next, you have to Create **Analysis View Name**. Use the **F4** and **Advanced** button and the icon **New**. Enter **VAT** accounts From-To (5600-5790), **G/L** accounts used for VAT posting, dimensions (Area and Department), and use icon Update. It will create a subset of data used in our Accounting schedule. The last entry numbers are visible in the form below. The first picture is before Update and the second one after.

TEST · TEST

General

Code:	TEST	Last Date Updated:	
Name:	TEST	Last Entry No.:	0
Account Source:	G/L Account	Last Budget Entry No.:	0
Account Filter:	5600..5790	Update on Posting:	<input type="checkbox"/>
Date Compression:	Day	Include Budgets:	<input type="checkbox"/>
Starting Date:	01.01.2018	Blocked:	<input type="checkbox"/>

Dimensions

Dimension 1 Code:	AREA	Dimension 3 Code:	
Dimension 2 Code:	DEPARTMENT	Dimension 4 Code:	

OK

After the Update you will get :

TEST · TEST

General

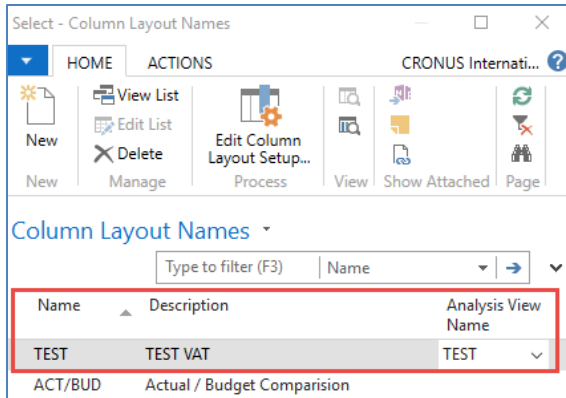
Code:	TEST	Last Date Updated:	26.06.2017
Name:	TEST	Last Entry No.:	2817
Account Source:	G/L Account	Last Budget Entry No.:	0
Account Filter:	5600..5790	Update on Posting:	<input type="checkbox"/>
Date Compression:	Day	Include Budgets:	<input type="checkbox"/>
Starting Date:	01.01.2018	Blocked:	<input type="checkbox"/>

Dimensions

Dimension 1 Code:	AREA	Dimension 3 Code:	
Dimension 2 Code:	DEPARTMENT	Dimension 4 Code:	

OK

Finally, you will get this and use the layout of column=Default. Anyhow, this was already presented.



Go to Account Schedule Names, choose the **TEST**, and **Edit Account Schedule** icon. Then use icon create and enter two VAT account for purchase and two for sales and formulas as shown in the following form (use G/L account icon) and modify the first column manually to chosen variable names IN 10, IN 25....). These are, in fact, variables that may be used in the calculation.

To enter new lines with description, use right-click and New line!

Row No.	Description	Totalling Type	Totaling	Row Type	Amount Type	Show Opp...	Show	Bold	Italic
	VAT report	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Sales VAT	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OUT25	Sales VAT 25 %	Posting Acc...	5610	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
OUT10	Sales VAT 10 %	Posting Acc...	5611	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
TO	Total Out	Formula	OUT25+OUT10	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Purchase VAT	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IN25	Purchase VAT 25 %	Posting Acc...	5630	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
IN10	Purchase VAT 10 %	Posting Acc...	5631	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
TI	Total In	Formula	IN25+IN10	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Difference	Formula	TI\TO	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

And you will get (after using icon **Overview**)

Row No.	Description	Net Change Debit	Net Change Credit	Balance at Date Debit	Balance at Date Credit
	VAT report				
	Sales VAT				
OUT25	Sales VAT 25 %		2 631,02		403 743,53
OUT10	Sales VAT 10 %		1 923,05		6 846,06
TO	Total Out		4 554,07		410 589,59
	Purchase VAT				
IN25	Purchase VAT 25 %	10 598,14		245 147,35	
IN10	Purchase VAT 10 %	11,05		555,91	
TI	Total In	10 609,19		245 703,26	
	Difference	6 055,12			164 886,33

Next example related to budget creation with Dimension use, G/L entries creation, and accounting schedule to see how actual and budgeted amount fit together (also used for South African clients)

1. Create a new **G/L account** using an icon new from the **Chart of account** window and the icon's indent chart with this name. The number of the G/L account will be **8350** and name Artificial Intelligence Consultation. General Posting Type=Purchase, General Business Posting Group=National, General Production Posting Group=Services

Before adding a new G/L account

8300	Computer Expenses	Income St...	Begin-Total				
8310	Software	Income St...	Posting	Purchase	NATIONAL	MISC	44 175,11
8320	Consultant Services	Income St...	Posting	Purchase	NATIONAL	SERVICES	20 285,12
8330	Other Computer Expenses	Income St...	Posting	Purchase	NATIONAL	MISC	4 374,45

8350 - AI consultation

General	
No.:	8350
Name:	AI consultation
Income/Balance:	Income Statement
Account Category:	Income
Account Subcategory:	
Debit/Credit:	Both
Account Type:	Posting
Totaling:	
Balance:	0,00
Reconciliation Account:	<input type="checkbox"/>
Automatic Ext. Texts:	<input type="checkbox"/>
Direct Posting:	<input checked="" type="checkbox"/>
Blocked:	<input type="checkbox"/>
Last Date Modified:	31.10.2019
Omit Default Descr. in Inl.:	<input type="checkbox"/>
Posting	
Gen. Posting Type:	Sale
Gen. Bus. Posting Group:	DOMESTIC
Gen. Prod. Posting Group:	MISC
VAT Prod. Posting Group:	VAT25
Default IC Partner G/L Acc. No.:	
Default Deferral Template:	

OK

You must indent created Account by the icon above Chart of Account

After adding an indenting a new G/L account :

8300	Computer Expenses	Income St...	Begin-Total
8310	Software	Income St...	Posting
8320	Consultant Services	Income St...	Posting
8330	Other Computer Expenses	Income St...	Posting
8350	AI consultaion	Income St...	Posting
8390	Total Computer Expenses	Income St...	End-Total 8300..8390

Create a new budget 2020:

G/L Budgets ▾

Name	Description	Global Dimensio...	Global Dimensio...	Budget Dimensio...	Budget Dimensio...
2020	2020 budget	DEPARTME...	PROJECT		
2021	2021 budget	DEPARTME...	PROJECT	AREA	SALESCA...

You have enter data into budget 2020. So open the budget, and before a check, the working date is 26.2.2020, Use the icon **Edit Budget**. In Filters, remove data From-To, if any. To enter data, use the tree-dots button and afterward icon New.

General

Budget Name: 2020 View by: Day

Show as Lines: G/L Account Rounding Factor: None

Show as Columns: Period Show Column Name:

Budget Matrix

Code	Name	Budgeted Amount	26.02.20	27.02.20	28.02.20	29.02.20
8320	Consultant Services	19 900,00				
8330	Other Computer Expenses	4 130,00				
8350	AI consultation		...			
8390	Total Computer Expenses	70 770,00				
8400	Selling Expenses					

2020

General

Budget Name: 2020 View by: Week

Show as Lines: G/L Account Rounding Factor: None

Show as Columns: Period Show Column Name:

Budget Matrix

Code	Name	Budgeted Amount	9.2020	10.2020	11.2020	12.2020
8320	Consultant Services	19 900,00				
8330	Other Computer Expenses	4 130,00	290,00			
8350	AI consultation	2 100,00	300,00	700,00	1 100,00	
8390	Total Computer Expenses	72 870,00	590,00	700,00	1 100,00	

- The next step will be purchasing services, meaning two Purchase Order lines, and every line assigned to different dimension values (Department=SALES and Department=ADM). Use **Purchase Invoice** instead of **Purchase Order**. Vendor=10000. Be careful about the working date (remember it). It is crucial for the next example of the following steps. Mind you, that type of purchase line will be **G/L Account** (the one we just created). For the Sales dimension value, this will be 1 hour and 180 GBP per hour. The second line for Dimension value **ADM** will be 1 hour and 60 GBP. To assign dimension values, use icon **Line** and icon **Dimension** and icon **New** to add Dimension Department. Post it by **F9**. Below you can first see two purchase lines and then assign one of the two values to them. In our case, this will be Department=SALES. Mind you, that document was created on 26.2.2020.

Type	No.	Description	Location Code	Quantity	Reserved Quantity	Direct Unit Cost Excl. VAT	Line Amount Excl. VAT
G/L Account	8350	AI consultation		1		180,00	180,00
G/L Account	8350	AI consultation		1		60,00	60,00

Dimen... Code	Dimension Value Code	Dimension Value Name
AREA	30	Europe North (EU)
BUSINESSGR...	INDUSTRIAL	Industrial
PURCHASER	RL	Richard Lum
SALESCAMP...	SUMMER	Summer
DEPARTMENT	SALES	

- Please change the date to 6.3.2020 and create a new purchase order with two lines, as we have done previously. For **ADM** dimension, the value will be 500 GBP, and for the Sales dimension, the amount will be 200 GDP

Type	No.	Description	Location Code	Quantity	Reserved Quantity	Direct Unit Cost Excl. VAT	Line Amount Excl. VAT
G/L Account	8350	AI consultation		1		500,00	500,00
G/L Account	8350	AI consultation		1		200,00	200,00

After posting the purchase invoice, you can see General Ledger Entries. In NAV 2018 w1 we will use different dates (26.2.2020, 6.3.2020, and 14.3.2020)

Posti... Date	Document Type	Document No.	G/L Acco...	Description	Gen. Postin...	Gen. Bus. Posting ...	Gen. Prod. Posting ...	Amount	Bal. Accou...
06.03.2020	Invoice	108037	8350	Order 106025	Purchase	DOMESTIC	MISC	200,00	G/L Account
06.03.2020	Invoice	108037	8350	Order 106025	Purchase	DOMESTIC	MISC	500,00	G/L Account
26.02.2020	Invoice	108036	8350	Order 106024	Purchase	DOMESTIC	MISC	60,00	G/L Account
26.02.2020	Invoice	108036	8350	Order 106024	Purchase	DOMESTIC	MISC	180,00	G/L Account

4. We have to create a new Account schedule to see differences between budgeted and actual (real amounts). Go to Account schedule area and use NEW:

Account Schedule Names ▾

Name	Description	Default Colum...	Analysis View Name
AI	AI analysis budget	BUDGANALYS	AI COSTS

We enter New name=AI and already predefined Default Column=BUDGETANALYS. Then we enter a brand new name for Analysis View Name, and the card will be as follows (parallely follow the creation of this card and its Update done by a tutor.

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HOME

View Manage: Edit, New, Delete

Update: Update, Enable Update on Posting, Disable Update on Posting

Analysis: Filter, OneNote, Notes, Links, Show Attached

AI COSTS · Cost analysis

General

Code: AI COSTS | Last Date Updated: 31.10.2019

Name: Cost analysis | Last Entry No.: 2825

Account Source: G/L Account | Last Budget Entry No.: 1031

Account Filter: 8350 | Update on Posting:

Date Compression: Day | Include Budgets:

Starting Date: 01.01.2020 | Blocked:

Dimensions

Dimension 1 Code: DEPARTMENT | Dimension 3 Code:

Dimension 2 Code: | Dimension 4 Code:

OK

Now, we have to add a new line into our new Accounting schedule AI by use of **Edit** icon and Insert G/L accounts

Manage: Delete, Indent, Outdent, Print...

Process: Insert G/L Accounts...

Report: Insert CF Accounts..., Insert Cost Types..., Edit Column Layout Setup...

Functions: Overview..., Refresh, Find

Acc. Sched.: Name: AI

Row No.	Description	Totaling Type	Totaling
8350	AI consultation	Posting Acc...	8350

General				
Account Schedule Name:	AI	View by:	Day	
Column Layout Name:	BUDGANALYS	Date Filter:	01.01.20..06.03.20	
Dimension Filters				
Department Filter:		G/L Budget Filter:		
Row No.	Description	Net Change	Budget	Variance%
8350	AI consultation	940,00	1 000,00	-6,00

And then enter filter for chosen dimension Department values (**ADM** or **SALES**)

General				
Account Schedule Name:	AI	View by:	Day	
Column Layout Name:	BUDGANALYS	Date Filter:	01.01.20..06.03.20	
Dimension Filters				
Department Filter:	SALES	G/L Budget Filter:		
Row No.	Description	Net Change	Budget	Variance%
8350	AI consultation	260,00	600,00	-56,67

General				
Account Schedule Name:	AI	View by:	Day	
Column Layout Name:	BUDGANALYS	Date Filter:	01.01.20..06.03.20	
Dimension Filters				
Department Filter:	ADM	G/L Budget Filter:		
Row No.	Description	Net Change	Budget	Variance%
8350	AI consultation	680,00	400,00	70,00