

Business Central Introduction Dimensions

(ERP=Microsoft Dynamics 365 Business Central)

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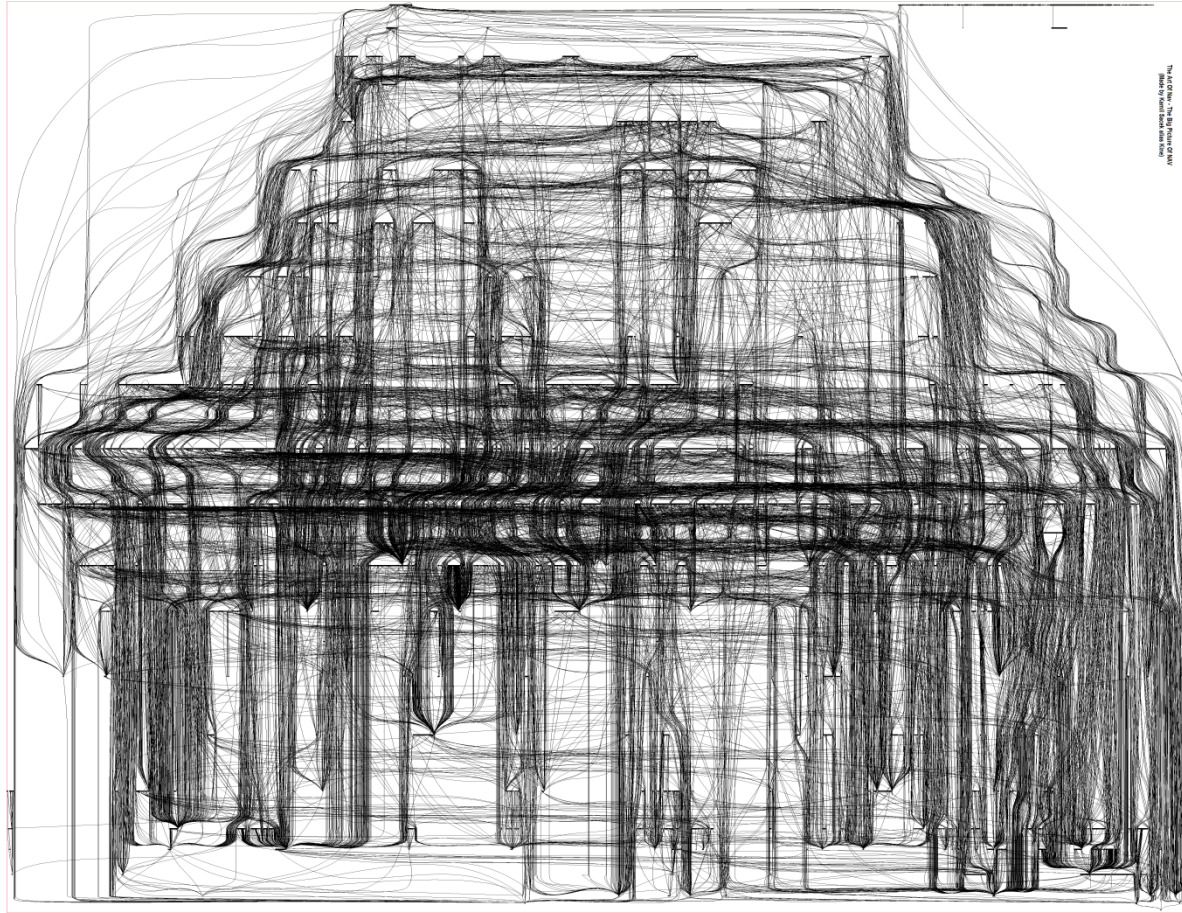
Business Intelligence

- Processing large volumes of data so that the result of this action helps managers to make decisions in process management
- The result of the processing must be relevant information that managers receive at the right time
- The primary source of data that is often stored in data warehouses is ERP systems (relational DB)
- Information retrieval as a result of structured queries must be fast (short response time)
- Used for management at the strategic, tactical, and operational level

Limitations of ERP as a data provider

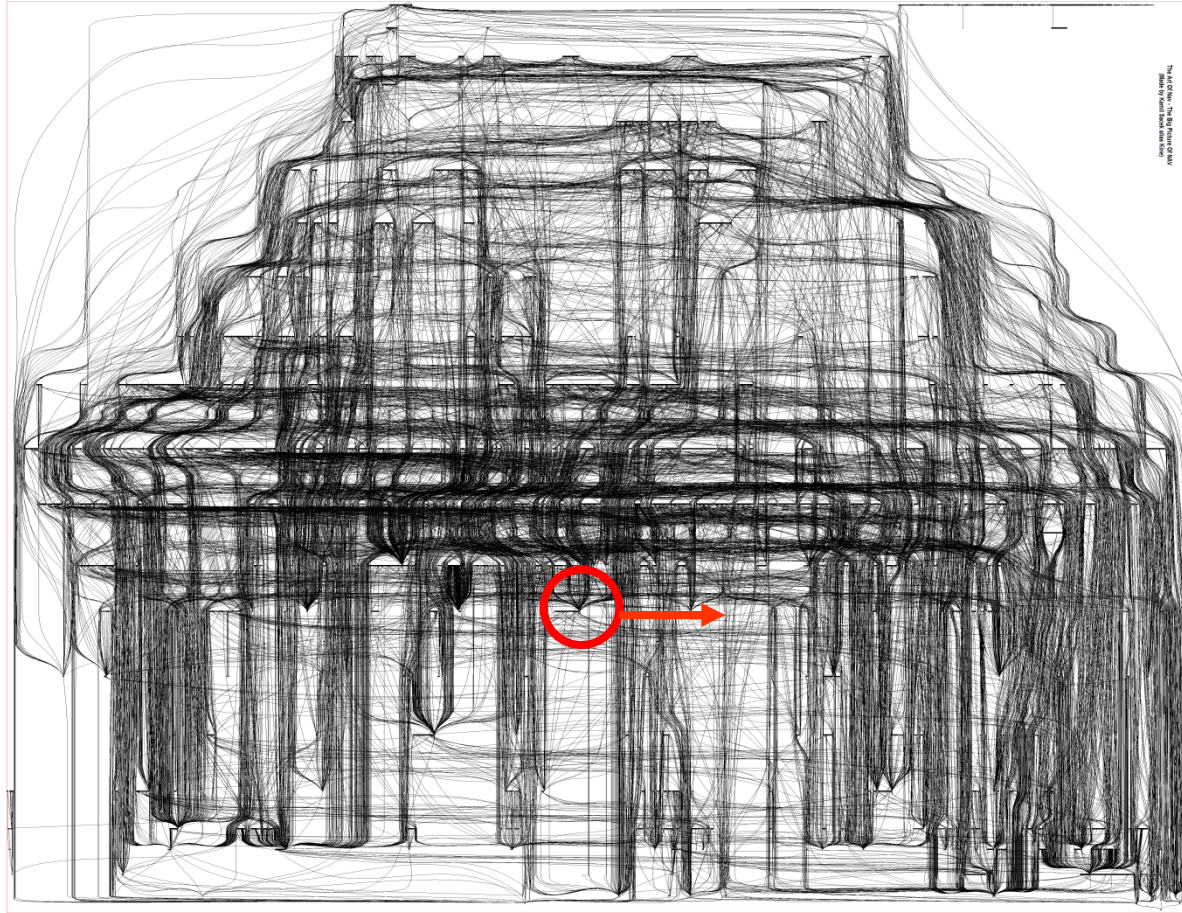
- They do not allow quick and flexible changes to the selection criteria
- No immediate user access to large volumes of aggregated data
- The volume of data doubles every five years in every enterprise, which of course also means that the system is overwhelmed with redundant data
- Dimensions are values that categorize entries so you can track and analyze them on documents, such as sales orders. Dimensions can, for example, indicate the project or department an entry came from.
- So, instead of setting up separate general ledger accounts for each department and project, you can use dimensions as a basis for analysis and avoid having to create a **complicated chart of accounts.**
-

Relations among tables I



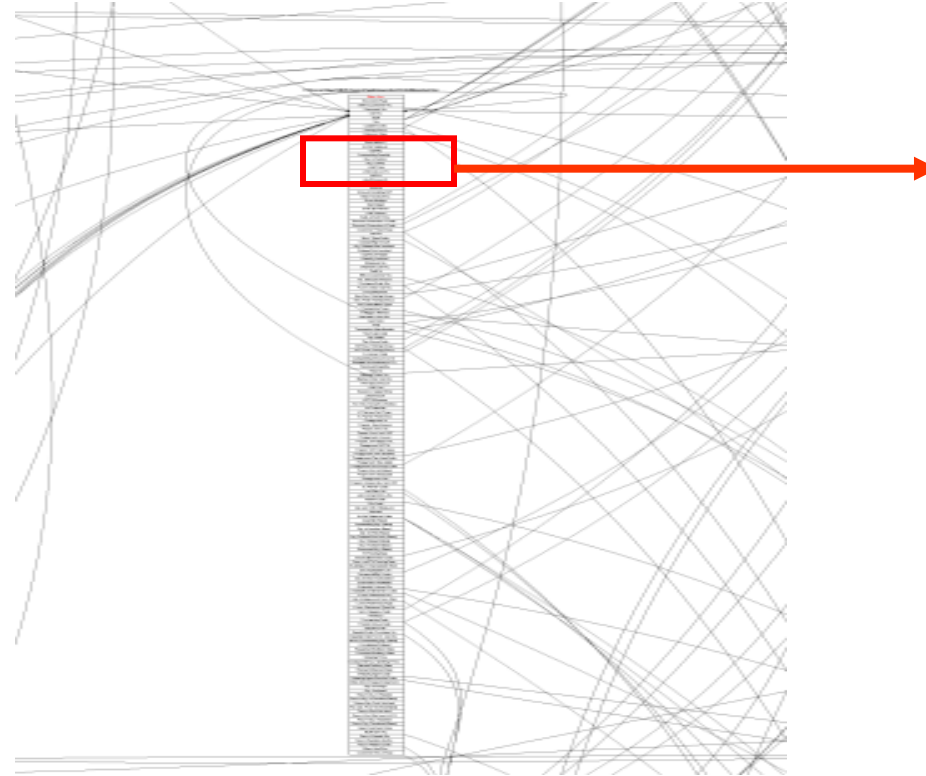
22.11.2023

Relations among tables II

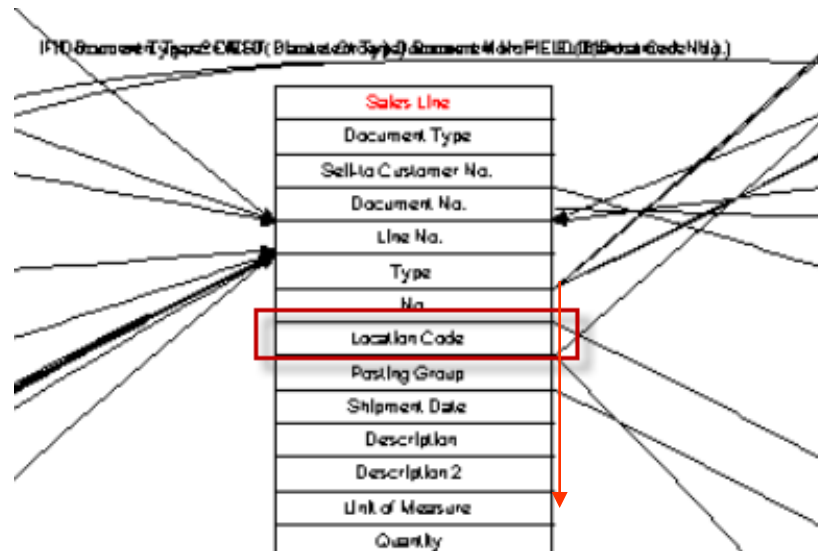


22.11.2023

One table and its relations I



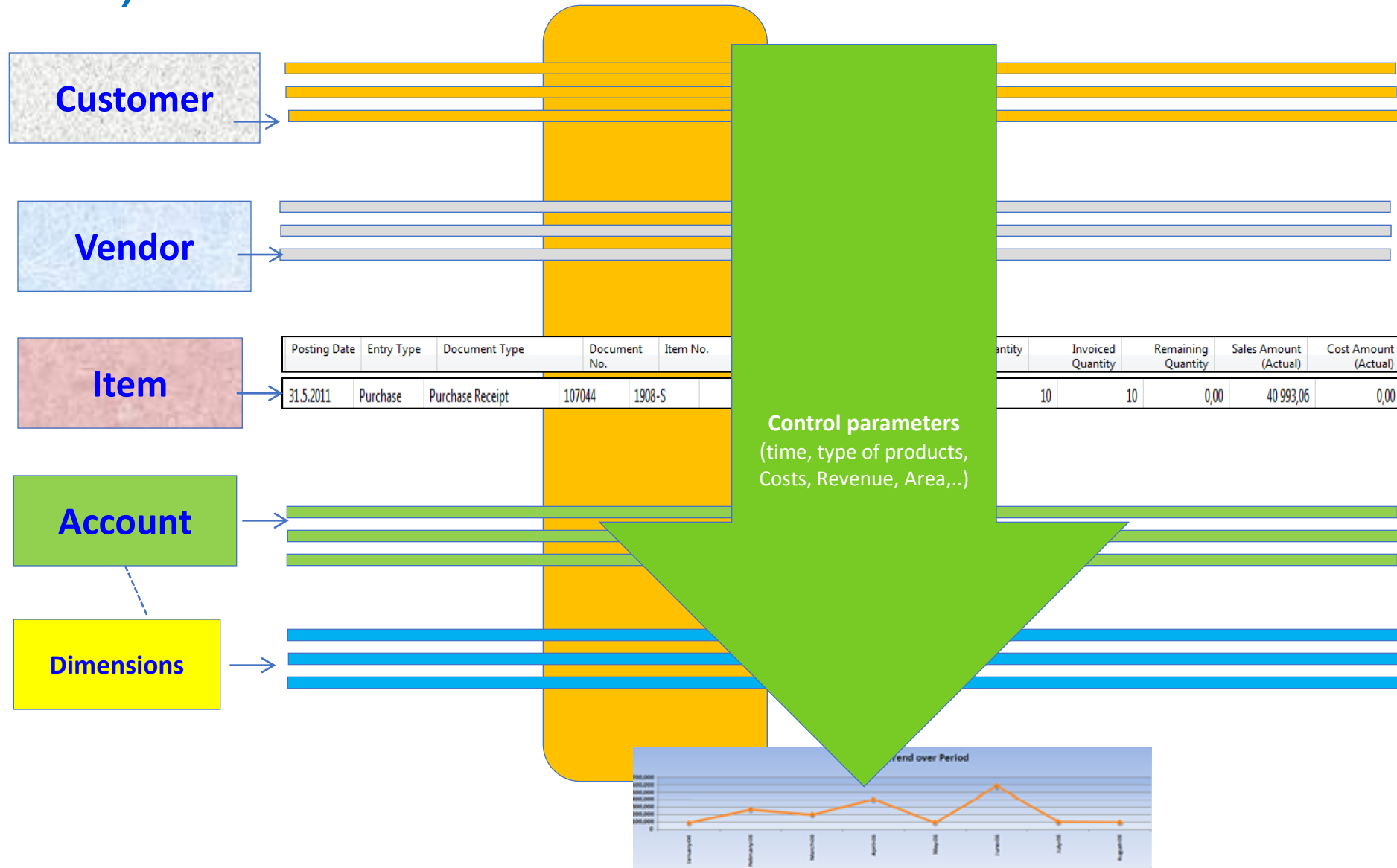
One table (Sales Line) and its relations II



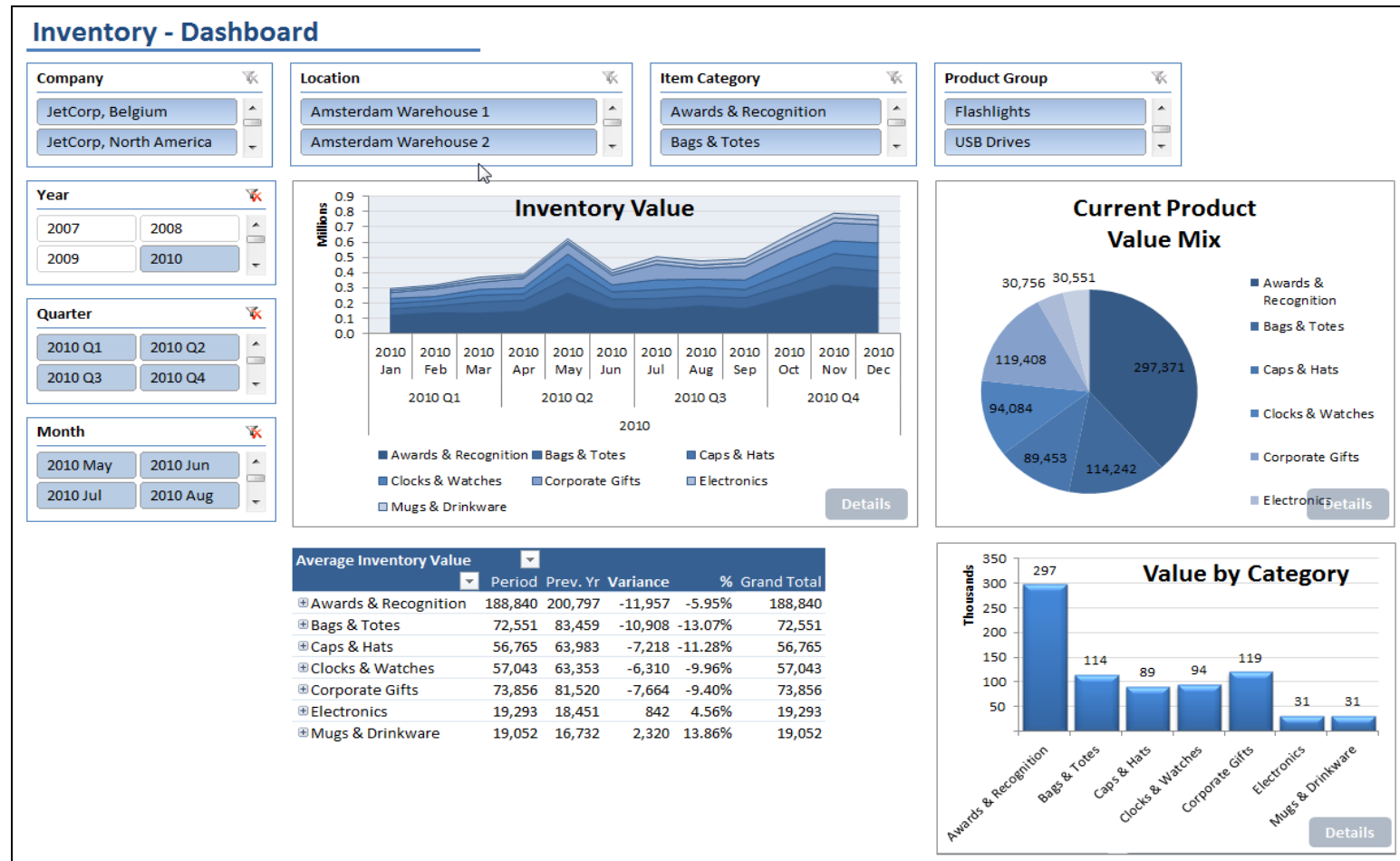
ERP NAV (very similar to Business Central)

Type	No.	Purch... Code	Drop Shipment	Description	Location Code	Quantity	Reserved Quantity	Item Information
Item	1980-S		<input type="checkbox"/>	MOSCOW Swivel Chair, red	ZELENÝ	6		<ul style="list-style-type: none">Item CardAvailability (8)Substitutions (1)Sales Prices (0)Sales Line Dis... (1)

Main principles (source tables and their entries)

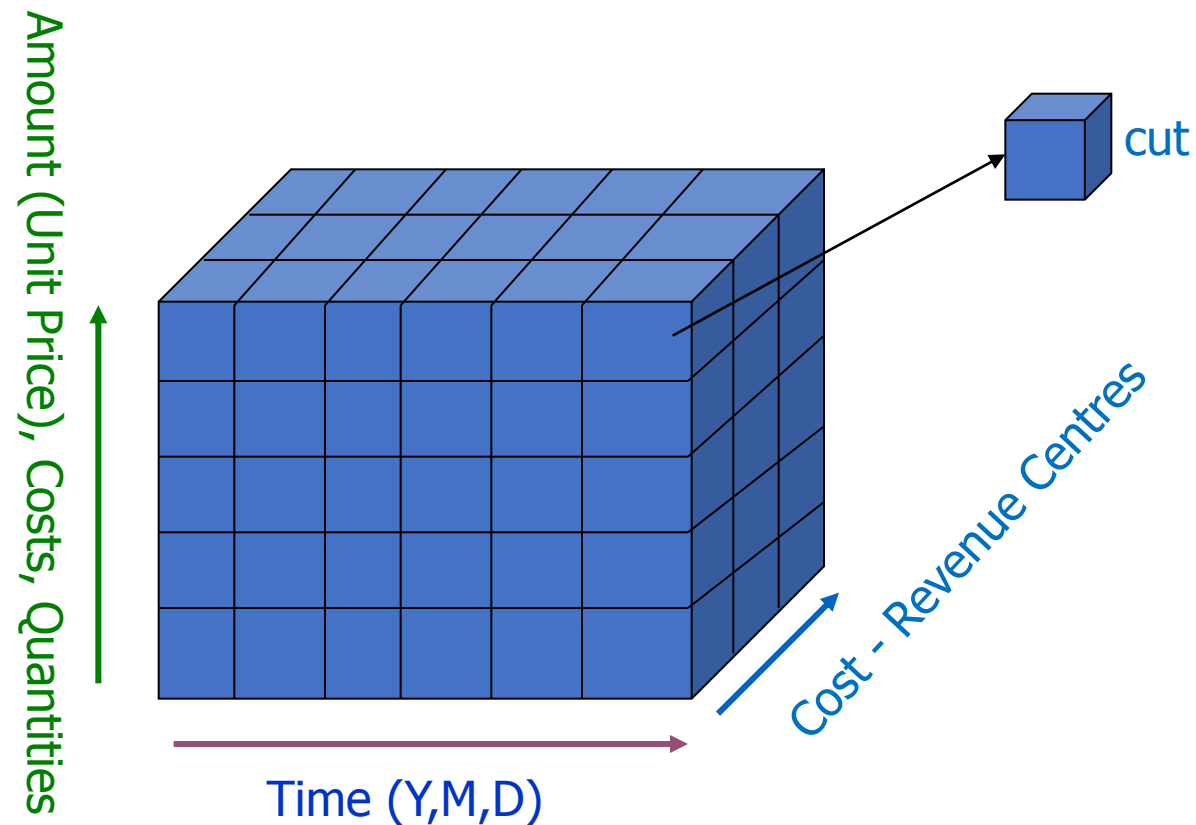


Some chosen analysis

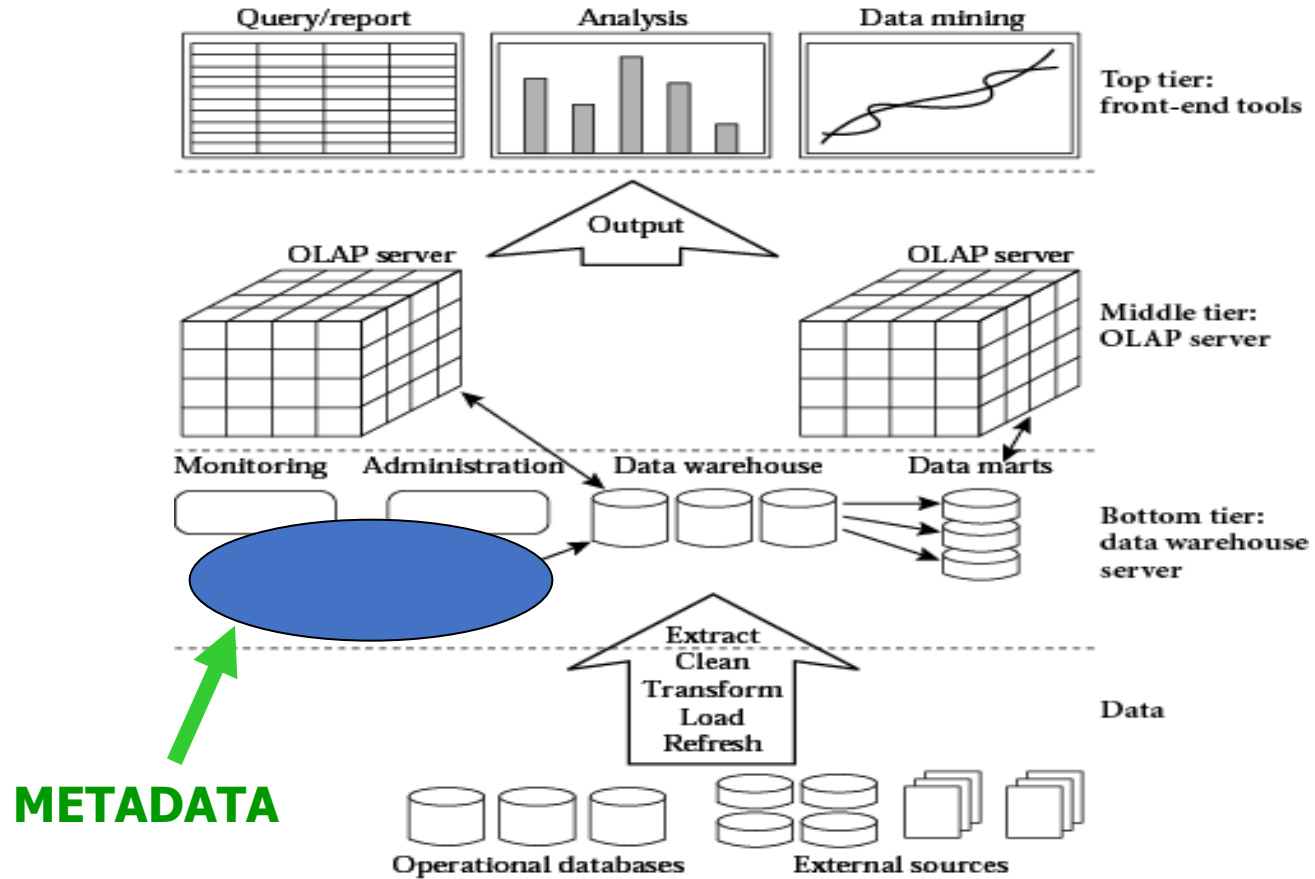


OLAP cube -adhoc definition of queries

- http://www.databaseanswers.org/designing_olap_cubes.htm



OLAP architecture



Dimensions –global and shortcut

General Ledger Setup

General | Posting | VAT | Bank | Journal Templates | More options

General Show more

Allow Posting From	<input type="text"/>	Unit-Amount Decimal	<input type="text" value="2:5"/>
Allow Posting To	<input type="text"/>	Mark Cr. Memos as C...	<input checked="" type="checkbox"/>
Local Address Format	<input type="text" value="Post Code+City"/>	LCY Code	<input type="text" value="GBP"/>
Inv. Rounding Preciso...	<input type="text" value="0,01"/>	Local Currency Symbol	<input type="text" value="£"/>
Inv. Rounding Type (L...	<input type="text" value="Nearest"/>	Local Currency Descri...	<input type="text" value="Pound Sterling"/>
Amount Rounding Pr...	<input type="text" value="0,01"/>	Tax Invoice Renaming ...	<input type="text" value="0,00"/>
Amount Decimal Plac...	<input type="text" value="2:2"/>	VAT Rounding Type	<input type="text" value="Nearest"/>
Unit-Amount Roundin...	<input type="text" value="0,00001"/>	Bank Account Nos.	<input type="text" value="BANK"/>

Dimensions Show more

Global Dimension 1 C...	<input type="text" value="DEPARTMENT"/>	Global Dimension 2 C...	<input type="text" value="PROJECT"/>
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Global dimenions codes
these are
always part of the entries

Global and Shortcut dimensions and entries

General Ledger Setup

Process Posting General VAT Bank Journal Templates | More options

Amount Rounding Pr... · Bank Account Nos. · · · · ▾

Dimensions Show less

Global Dimension 1 C... · <input type="text" value="DEPARTMENT"/>	Shortcut Dimension 4... · <input type="text" value="AREA"/> ▾
Global Dimension 2 C... · <input type="text" value="PROJECT"/>	Shortcut Dimension 5... · <input type="text" value="BUSINESSGROUP"/> ▾
Shortcut Dimension 1... · <input type="text" value="DEPARTMENT"/>	Shortcut Dimension 6... · <input type="text" value="SALESCAMPAIGN"/> ▾
Shortcut Dimension 2... · <input type="text" value="PROJECT"/>	Shortcut Dimension 7... · <input type="text" value="FURNITURE"/> ▾
Shortcut Dimension 3... · <input type="text" value="CUSTOMERGROUP"/> ▾	Shortcut Dimension 8... · <input type="text" value=""/> ▾

Global and Shortcut dimensions and entries

Posting Date ↓	Document Type	Document No.	Customer No. ↓	Description	Department Code	Project Code
→ 2023/10/17	Payment	G00083	10000	The Cannon Group PLC	SALES	
2023/10/17	Invoice	103257	10000	Order 1342	SALES	

Global dimension

Department Code
Project Code

10000 · The Cannon Group PLC | Work Date: 2023/10/17

Dimension Code ↑	Dimension Value Code	Dimension Value Name
AREA	30	Europe North (EU)
CUSTOMERGROUP	MEDIUM	Medium Business
DEPARTMENT	SALES	Sales
SALESPERSON	PS	Peter Sadow

Local dimensions

Local dimension

Dimensions (cost centers, income centers)

DIMENSIONS | WORK DATE: 09.02.2020

Search + New Edit List Delete Dimension Show Attached Open in Excel

CODE	NAME	CODE CAPTION	FILTER CAPTION
AREA	Area	Area Code	Area Filter
BUSINESSG...	Business Group	Businessgroup Code	Businessgroup Filter
CUSTOMER...	Customer Group	Customergroup Code	Customergroup Filter
DEPARTME...	Department	Department Code	Department Filter
PROJECT	Project	Project Code	Project Filter
PURCHASER	Purchaser	Purchaser Code	Purchaser Filter
SALESCAMP...	Sales campaign	Salescampaign Code	Salescampaign Filter
SALESPERS...	Salesperson	Salesperson Code	Salesperson Filter

Search + New Edit List Delete **Dimension** Show Attached

Dimension Values Account Type Default Dim. Translations

Dimension values (we created here three new areas with values 91-93)

CODE	NAME	DIMENSION VALUE TYPE	TOTALING	BLO...
10	Europe	Begin-Total		<input type="checkbox"/>
91	Johannesburg	Standard		<input type="checkbox"/>
92	Durban	Standard		<input type="checkbox"/>
93	Cape Town	Standard		<input type="checkbox"/>
95	SA, Total	End-Total	90..95	<input type="checkbox"/>
20	Europe North	Begin-Total		<input type="checkbox"/>
30	Europe North (EU)	Standard		<input type="checkbox"/>
40	Europe North (Non EU)	Standard		<input type="checkbox"/>
45	Europe North, Total	End-Total	20..45	<input type="checkbox"/>
50	Europe South	Standard		<input type="checkbox"/>
55	Europe, Total	End-Total	10..55	<input type="checkbox"/>
60	America	Begin-Total		<input type="checkbox"/>
70	America North	Standard		<input type="checkbox"/>
80	America South	Standard		<input type="checkbox"/>
85	America, Total	End-Total	60..85	<input type="checkbox"/>
90	South Africa	Begin-Total		<input type="checkbox"/>
				<input type="checkbox"/>

⚡ Functions ▾

☰ Indent Dimension Values

ⓘ This function updates the indentation of all the dimension values for dimension AREA. All dimension values between a Begin-Total and the matching End-Total are indented by one level. The Totaling field for each End-Total is also updated.

Do you want to indent the dimension values?

After dimension value indent-1st example

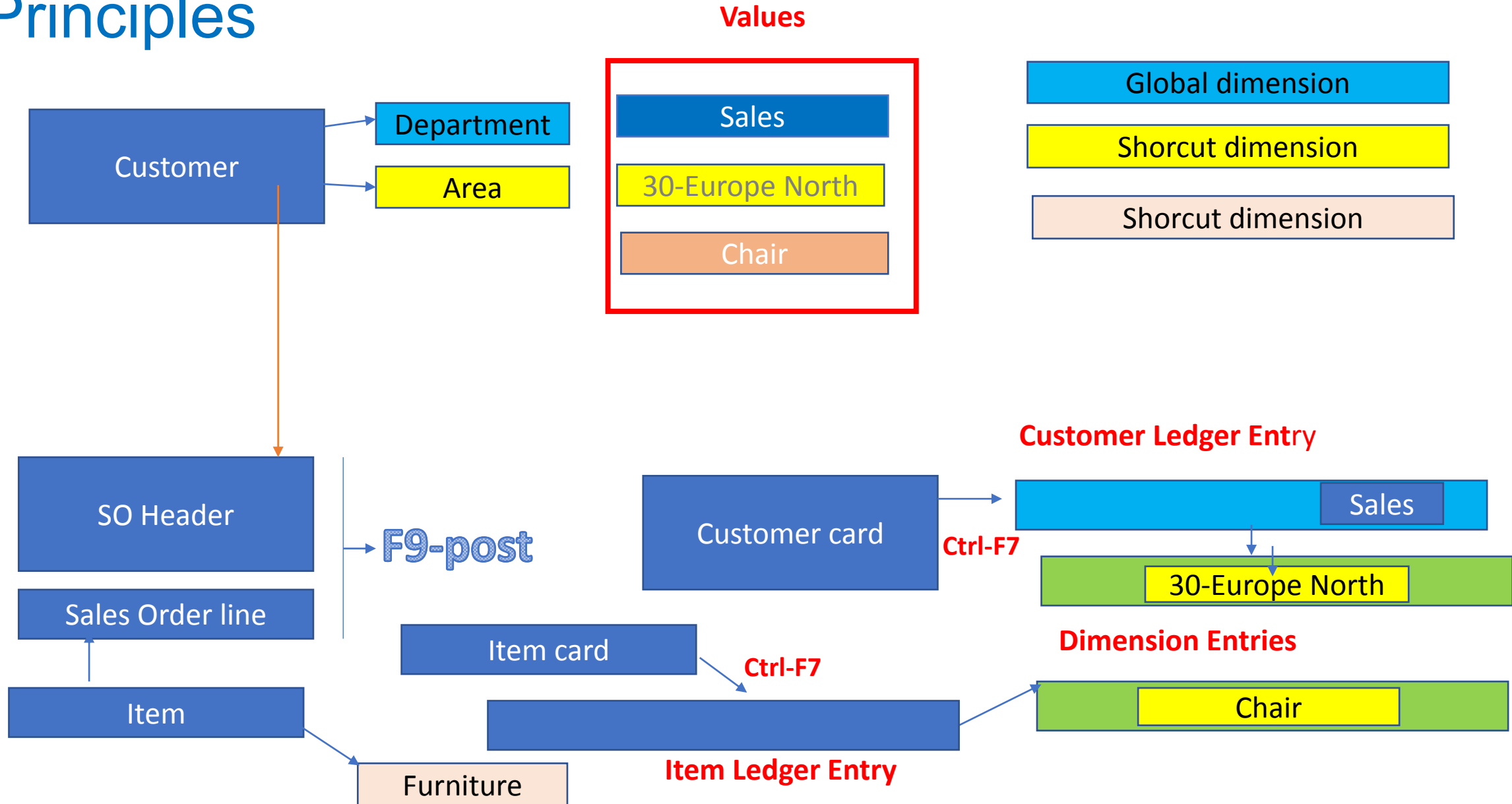
CODE		NAME	DIMENSION VALUE TYPE	TOTALING	BLO...
10		Europe	Begin-Total		<input type="checkbox"/>
20		Europe North	Begin-Total		<input type="checkbox"/>
30		Europe North (EU)	Standard		<input type="checkbox"/>
40		Europe North (Non EU)	Standard		<input type="checkbox"/>
45		Europe North, Total	End-Total	20..45	<input type="checkbox"/>
50		Europe South	Standard		<input type="checkbox"/>
55		Europe, Total	End-Total	10..55	<input type="checkbox"/>
60		America	Begin-Total		<input type="checkbox"/>
70		America North	Standard		<input type="checkbox"/>
80		America South	Standard		<input type="checkbox"/>
85		America, Total	End-Total	60..85	<input type="checkbox"/>
90		South Africa	Begin-Total		<input type="checkbox"/>
91	:	Johannesburg	Standard	...	<input type="checkbox"/>
92		Durban	Standard	90..95	<input type="checkbox"/>
93		Cape Town	Standard		<input type="checkbox"/>
95	:	SA, Total	End-Total	90..95	<input type="checkbox"/>
					<input type="checkbox"/>

These dimensions
might be used
in our examples

After dimension value indent-2nd example

Code	Name	Dimension Value Type	Totaling
10	Europe	Begin-Total	
20	Europe North	Begin-Total	
30	Europe North (EU)	Standard	
40	Europe North (Non EU)	Standard	
45	Europe North, Total	End-Total	20..45
46	Europe South	Begin-Total	
50	Europe South	Standard	
55	Europe, Total	End-Total	46..55
56	Europe South, Total	End-Total	10..56
60	America	Begin-Total	
70	America North	Standard	
80	America South	Standard	
85	America, Total	End-Total	60..85
90	South Africa	Begin-Total	
95	Joburg	Standard	
→ 96	: Durban	Standard	
97	SA, Total	End-Total	90..97

Principles



Dimension combinations

Work Date: 2023/01/31 ✓ Saved

Dimension Combinations

◀ Previous Set ◀ Previous Column ▶ Next Column ▶▶ Next Set

General

Show Column Name

Dimension Combinations Matrix | Manage

Code ↑	Name	AREA	BUSINESSGROUP	CUSTOMERGROUP	DEPARTMENT	PROJECT	PURCHASER	SALESCAMPAIGN
→ AREA	Area	-	-	-	-	-	-	-
BUSINESSG...	Business Group	-	-	Limited	-	-	-	Limited
CUSTOMER...	Customer Group	-	Limited	-	-	Blocked	-	-
DEPARTME...	Department	-	-	Blocked	-	-	-	-
PROJECT	Project	-	-	-	-	-	-	-
PURCHASER	Purchaser	-	-	-	-	-	-	-
SALESCAM...	Sales campaign	-	Limited	-	-	-	-	-
SALESPERS...	Salesperson	-	-	-	-	-	-	-

A **blocked dimension** combination means you cannot post both dimensions on the same entry regardless of what the dimension values are.

In contrast, a **limited dimension** combination means you can post both dimensions to the same entry, but only for certain combinations of dimension values.

Dimension combination

Field	Description
No limitation	This dimension combination has no restrictions. All dimensions values are allowed.
Limited	This dimension combination has restrictions depending on which dimension values that you enter. You must define the limitations on the Dimension Value Combination page.
Blocked	This dimension combination is not allowed.

Dimension combination

Work Date: 2023/01/31 ✓ Saved

Dimension Combinations

◀ Previous Set ◀ Previous Column ▶ Next Column ▶▶ Next Set

General

Show Column Name

Dimension Combinations Matrix | Manage 🔗 📄




Code ↑	Name	AREA	BUSINESSGROUP	CUSTOMERGROUP	DEPARTMENT	PROJECT	PURCHASER	SALESCAMPAIGN
→ AREA	Area	-	-	-	-	-	-	-
BUSINESSG...	Business Group	-	Limited	Limited	-	-	-	Limited
CUSTOMER...	Customer Group	-	Limited	-	-	Blocked	-	-
DEPARTME...	Department	-	-	-	-	-	-	-
PROJECT	Project	-	-	Blocked	-	-	-	-
PURCHASER	Purchaser	-	-	-	-	-	-	-
SALESCAM...	Sales campaign	-	Limited	-	-	-	-	-
SALESPERS...	Salesperson	-	-	-	-	-	-	-






🔍 Do you want to see the list of values?

Dimension combination

Dimension Value Combinations Matrix		Manage			
Code ↑	Name	HOME	INDUSTRIAL	INTERCOMPANY	
→ <u>INSTITUTION</u>	⋮ Institution	Blocked	–	–	
INTERCOMPANY	Intercompany Customers	–	–	–	
LARGE	Large Business	–	–	–	
MEDIUM	Medium Business	–	–	–	
PRIVATE	Private	–	–	–	
SMALL	Small Business	–	–	–	




New dimensions for furniture




← Dimensions | Work Date: 2023/01/31 ✓ Saved   





+ New  Edit List  Delete Dimension | More options   

Code ↑	Name	Code Caption	Filter Caption	Description
→ AREA	Area	Area Code	Area Filter	
BUSINESSGROUP	Business Group	Businessgroup Code	Businessgroup Filter	
CUSTOMERGROUP	Customer Group	Customergroup Code	Customergroup Filter	
DEPARTMENT	Department	Department Code	Department Filter	
PROJECT	Project	Project Code	Project Filter	
PURCHASER	Purchaser	Purchaser Code	Purchaser Filter	
SALESCAMPAIGN	Sales campaign	Salescampaign Code	Salescampaign Filter	
SALESPERSON	Salesperson	Salesperson Code	Salesperson Filter	

New dimensions for furniture

← Dimensions | Work Date: 2023/01/31 ✓ Saved   





Search + New **Edit List** Delete Dimension More options   

Dimension Values  Account Type Default Dim.  Allowed Dimension Values per Account  Translations 

→ FURNITURE	Furniture	Furniture Code	Furniture Filter		
AREA	Area	Area Code	Area Filter		
BUSINESSGROUP	Business Group	Businessgroup Code	Businessgroup Filter		
CUSTOMERGROUP	Customer Group	Customergroup Code	Customergroup Filter		
DEPARTMENT	Department	Department Code	Department Filter		
PROJECT	Project	Project Code	Project Filter		
PURCHASER	Purchaser	Purchaser Code	Purchaser Filter		
SALESCAMPAIGN	Sales campaign	Salescampaign Code	Salescampaign Filter		
SALESPERSON	Salesperson	Salesperson Code	Salesperson Filter		

New dimensions for furniture

FURNITURE · Furniture | Work Date: 2023/01/31

Dimension Values |  Search  New  Edit List  Delete

	Code		Name	Dimension Value Type
	CHAIRE		CHAIRE	Standard
	TABLE		Table	Standard
→	CUPBOARD		CUPBOARD	Standard

New dimensions for furniture

Dynamics 365 Business Central

CRONUS International Ltd. | Sales ▾ | Purchasing ▾ | **Inventory** ▾ | Posted Documents ▾

Items | Item Charges | Item Tracking | Phys. Inventory Journals | Drop Shipments
Item Journals | Item Attributes | Item Reclassification Journals | Assembly Orders | Locations

No. ↑ ▾	Description	Type	Inventory	Costing Method	Substitutes Exist	Assem... BOM
1936-S	BERLIN Guest Chair, yellow	Inventory	106	FIFO	No	No

Item card

Dimension assignment

Dimension value to item card

The screenshot shows the SAP Item Card interface for the item '1936-S · BERLIN Guest Chair, yellow'. The work date is 2023/01/31. The item name is highlighted with a red box. A red arrow points from the item name to the 'Related' link in the 'Actions' menu, which is also highlighted with a red box. The 'Item' menu is open, showing 'Dimensions' and 'Item References' as options, with 'Dimensions' highlighted by a red box. The 'Dimensions' table shows the value '1936-S' for the 'No.' field and 'BERLIN Guest Chair, yellow' for the 'Description' field.

Item Card | Work Date: 2023/01/31

1936-S · BERLIN Guest Chair, yellow

Process Item Prices & Discounts Request Approval Actions Related Fewer options

History Item Availability Purchases Sales Bill of Materials

Dimensions

Item References


No.	1936-S
Description	BERLIN Guest Chair, yellow

Dimension for our item card setup

Item 1936-S | Work Date: 2023/01/31


Default Dimensions | Search + New Edit List Delete

Dimension Code ↑	Dimension Value Code	Value Posting	Allowed Values Filter
→ FURNITURE	CHAIRE		



Mandatory - when posting (before posting,) it is necessary to select a dimension value appropriate to the specific business case (e.g.when you create Sales Order)

Same Code - you must have a pre-selected preset value . This value is always the same. So, for example, CUSTOMERGROUP cannot be other than MEDIUM.



Dimension Code ↑	Dimension Value Code	Value Posting
AREA	30	Code Mandatory
BUSINESSGROUP	HOME	Same Code
CUSTOMERGROUP	MEDIUM	Same Code
DEPARTMENT	SALES	

Customer card and dimensions

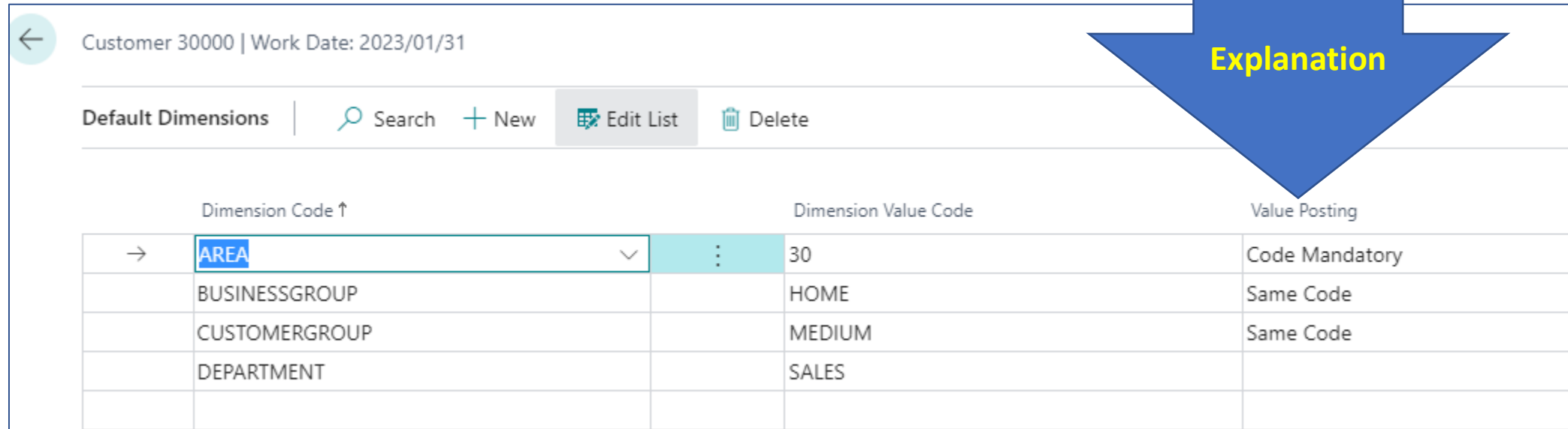
The screenshot shows a software interface for a customer card. At the top, the text "30000 · John Haddock Insurance Co." is displayed and highlighted with a red box. Below this is a navigation bar with tabs: "New Document", "Request Approval", "Prices & Discounts", "Navigate", "Customer", "Actions", "Related" (highlighted with a red box), "Reports", and "Fewer options". Under the "Customer" tab, a dropdown menu is open, showing "Customer" (highlighted with a red box), "History", "Prices and Discounts", "Sales", "Documents", and "Service". The "Dimensions" option in the dropdown is also highlighted with a red box, and a red arrow points to it. Below the dropdown, there are two input fields: the first contains "30000" and the second contains "John Haddock Insurance Co.". To the right of these fields are labels for "Responsibility Center" and "Service Zone Code".

OR use Customer icon - > Dimensions

Customer card and dimensions

See slide
number 29

Explanation



Customer 30000 | Work Date: 2023/01/31

Default Dimensions | Search | + New | Edit List | Delete

Dimension Code ↑	Dimension Value Code	Value Posting
→ AREA	30	Code Mandatory
BUSINESSGROUP	HOME	Same Code
CUSTOMERGROUP	MEDIUM	Same Code
DEPARTMENT	SALES	

If you want to make a dimension **required**, but you do not want to assign a **default value** to the dimension, leave the **Dimension Value Code** field blank and then select **Code Mandatory** in the **Value Posting** field. Afterwards, however, the areas must be delivered manually

Dimensions Value Posting statements

- If you want to require a dimension but don't want to assign a default value to the dimension, leave the **Dimension Value Code** field blank, then select **Code Mandatory** in the **Value Posting** field.
- If an account is used in an **Adjust Exchange Rates** or **Post Inventory Cost to G/L batch job**, do not select Code Mandatory or Same Code. These batch jobs cannot use dimension codes.

Sales Order and Dimensions

← Sales Order | Work Date: 2023/01/31 ✎ + 🗑

1049 · John Haddock Insurance Co.

Process Release Posting Prepare Order Request Approval Print/Send Navigate | Actions Related Fewer options

General Show more

No. 1049 ...	Sales Order Type Code ▾
Customer Name John Haddock Insurance Co. ...	Due Date 2023/02/28 📅
Contact Miss Patricia Doyle ...	Requested Delivery Date 📅
Posting Date 2023/01/31 📅	External Document No.
Order Date 2023/01/31 📅	Status Open

Lines | Manage Line Order NVR CBL Service Fewer options 🔗 📄

Type	No.	Item Reference No.	Description	Line Discount Amount	Allow Invo... Disc.	Spe... Order	Drop Ship...	Location Code	Quantity	Appl.-to Item Entry	Qty. to Assem to Ot
→ Item	1936-5		BERLIN Guest Chair, yellow	0,00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BLUE	1	0 ...	

Dimensions in Sales Order Header

Sales Order | Work Date: 2023/01/31

1049 · John Haddock Insurance Co.

Process Release Posting Prepare Order Request Approval Print/Send Navigate Actions **Related** Fewer options

Order Documents Warehouse Prepayment History

Statistics

Customer

Dimensions

Approvals

Comments

Assembly Orders

Attachments

1049	...	Sales Order Type Code	
John Haddock Insurance Co.	...	Due Date	2023/02/28
Miss Patricia Doyle	...	Requested Delivery Date	
2023/01/31		External Document No.	
2023/01/31		Status	Open

Dimension Code ↑	Dimension Value Code	Dimension Value Name
→ AREA	30	Europe North (EU)
BUSINESSGROUP	INDUSTRIAL	Industrial
DEPARTMENT	SALES	Sales
SALESPERSON	JR	John Roberts

Dimensions in Sales Order Lines

The screenshot displays a software interface for managing sales order lines. On the left, a 'General' tab is active, showing various fields like 'No.', 'Customer Name', and 'Posting Date'. A 'Dimensions' menu is open, with a red box highlighting the 'Dimensions' option and a red arrow pointing to it. The menu includes options like 'Select Item Substitution', 'Comments', 'Item Charge Assignment', 'Order Promising', 'Attachments', 'Assemble to Order', 'Document Line Track', 'Deferral Schedule', 'Related Information', and 'Service Functions'. Below the menu, there are sections for 'Lines', 'Manage', and 'Item Availability by'. On the right, a table lists dimension values for a sales order line.

Dimension Code ↑	Dimension Value Code	Dimension Value Name
AREA	30	Europe North (EU)
BUSINESSGROUP	INDUSTRIAL	Industrial
DEPARTMENT	SALES	Sales
FURNITURE	CHAIRE	CHAIR:
→ SALESPERSON	JR	John Roberts

Created Customer Ledger entries

30000 - John Haddock Insurance Co. | Work Date: 2023/01/31

Customer Ledger Entries | Search | Edit List | Process | Line | **Entry** | Navigate | Actions | Related | Fewer options

Find entries... | Reminder/Fin. Charge Entries | Applied Entries | **Dimensions** | Set Dimension Filter... | Detailed Ledger Entries

Posting Date	Document Type	Document No.	Customer No.	Description	Department Code	Project Code	Currency Code	Original Amount	Amount	Amount (LCY)
→ 2023/01/16	Invoice	103031	30000	Invoice 1003	SALES			861,13	861,13	861,13
2023/01/23	Invoice	103003							5 999,40	5 999,40
2022/12/31	Invoice	00-7							6 167,75	76 167,75
2022/12/31	Invoice	00-4							3 852,33	33 852,33

View - Cust. Ledger Entry 2820 - Dimension Set Entries

Search

Dimension Code ↑	Dimension Value Code	Dimension Value Name
<u>AREA</u>	<u>30</u>	Europe North (EU)
BUSINESSGROUP	HOME	Home
CUSTOMERGROUP	MEDIUM	Medium Business
DEPARTMENT	SALES	Sales
SALESPERSON	PS	Peter Sadow

Created Item Ledger entries

← Item 1936-S BERLIN Guest Chair, yellow | Work Date: 2023/01/31

Item Ledger Entries | Search | Entry | Actions | **Related** | Fewer options

Entry ▾ Application ▾

- Dimensions**
- Set Dimension Filter...
- Value Entries

View - Item Ledger Entry 481 - Dimension Set Entries

Search

Dimension Code ↑	Dimension Value Code	Dimension Value Name
AREA	30	Europe North (EU)
BUSINESSGROUP	INDUSTRIAL	Industrial
DEPARTMENT	SALES	Sales
FURNITURE	CHAIR	CHAIR
SALESPERSON	JR	John Roberts

-1	-1
5	5
-10	-10

Analysis by Dimensions

sales ana

On current page (Customers)

- Sales Statistics
View customers' total costs, s
- Sales Statistics
View customers' total costs, s
- Customer/Item Sales
View a list of item sales for ea

Go to Pages and Tasks

- Sales Analysis Line Templates
- Sales Analysis Column Templ

Go to Reports and Analysis

- Sales Analysis Views**
- Sales Analysis Reports
- Sales Cycle - Analysis

Sales Analysis Views | Search + New Manage Edit Analysis View Update ...

Code ↑	Name	Inclu... Budg...	Last Date Updated	Dimension 1 Code	Dimension 2 Code	Dimension 3 Code
CUSTOMERS	Customers	<input checked="" type="checkbox"/>	2023/02/16	CUSTOMERGR...	FURNITURE	AREA
DEFAULT	Default analysis view	<input type="checkbox"/>	2022/06/13	SALESPERSON	CUSTOMERGR...	FURNITURE
FURNITURE	Furniture	<input type="checkbox"/>		DEPARTMENT	FURNITURE	CUSTOMERGR...
JB	JB	<input type="checkbox"/>		AREA	BUSINESSGRO...	CUSTOMERGR...
TEST	TEST	<input type="checkbox"/>	2022/06/13	FURNITURE		





Analysis by Dimensions

Sales Analysis Views | Search + New Manage Edit Analysis View Update ...





Code ↑	Name	Inclu... Budg...	Last Date Updated	Dimension 1 Code	Dimension 2 Code	Dimension 3 Code
CUSTOMERS	Customers	<input checked="" type="checkbox"/>	2023/02/16	CUSTOMERGR...	FURNITURE	AREA
DEFAULT	Default analysis view	<input type="checkbox"/>	2022/06/13	SALESPERSON	CUSTOMERGR...	FURNITURE
FURNITURE	Furniture	<input type="checkbox"/>		DEPARTMENT	FURNITURE	CUSTOMERGR...
JB	JB	<input type="checkbox"/>		AREA	BUSINESSGRO...	CUSTOMERGR...
TEST	TEST	<input type="checkbox"/>	2022/06/13	FURNITURE		

EDIT

Analysis by Dimensions – view

← Sales Analysis View Card | Work Date: 2023/01/31  +  ✓ Saved  

Sales · DEFAULT · Default analysis view

 Update  Filter  Enable Update on Posting  Disable Update on Posting | Actions Related ...

General

Code	<input type="text" value="DEFAULT"/>	Last Date Updated	<input type="text" value="2022/05/12"/>
Name	<input type="text" value="Default analysis view"/>	Last Entry No.	<input type="text" value="557"/>
Item Filter	<input type="text"/>	Last Budget Entry No.	<input type="text" value="0"/>
Location Filter	<input type="text"/>	Update on Posting	<input type="checkbox"/>
Date Compression	<input type="text" value="Day"/>	Include Budgets	<input checked="" type="checkbox"/>
Starting Date	<input type="text" value="2020/09/01"/>	Blocked	<input checked="" type="checkbox"/>

Dimensions

Dimension 1 Code	<input type="text" value="AREA"/>	Dimension 3 Code	<input type="text" value="FURNITURE"/>
Dimension 2 Code	<input type="text" value="CUSTOMERGROUP"/>		

→ UPDATE

Update allows all entries set in filters to be included in the analysis view



Analysis by Dimensions

Sales | Work Date: 2023/01/31

Sales Analysis Views | Search + New Manage **Edit Analysis View** Update ...

Code ↑	Name	Inclu... Budg...	Last Date Updated	Dimension 1 Code	Dimension 2 Code	Dimension 3 Code
CUSTOMERS	Customers	<input checked="" type="checkbox"/>	2021/01/05	CUSTOMERGR...	SALESPERSON	
<u>DEFAULT</u>	Default analysis view	<input type="checkbox"/>	2022/05/12	<u>AREA</u>	<u>CUSTOMERGR...</u>	<u>FURNITURE</u>

Analysis by Dimensions

Sales Analysis by Dimensions | Work Date: 2023/02/28 ✓ Saved  

DEFAULT

◀ Previous Set **Show Matrix** ▶ Next Set ↶ Reverse Lines and Columns | More options

General

Analysis View Code	DEFAULT	Show as Columns	CUSTOMERGROUP
Show as Lines	FURNITURE	Show Value As	Sales Amount

Filters

Date Filter		Salesperson Filter	
Item Filter		Customergroup Filter	
Location Filter		Furniture Filter	
Budget Filter			

Options

Show	Actual Amounts	Show Column Name	<input checked="" type="checkbox"/>
Rounding Factor	None	Show Opposite Sign	<input type="checkbox"/>

Matrix Options

View by	Day	Column Set	Institution..Small Business
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Analysis by Dimensions

View - Sales Analysis by Dim Matrix ↗ ✕



Search Related ↗

Code	Name	Total Quantity	Total Sales Amount	Institution	Intercompany Customers	Large Business	Medium Business	Private	Small Business
CHAIRE	CHAIR	-83,00	10 840,66	-	-	2 392,30	4 439,62	-	1 268,04
CUPBOARD	CUPBOARD	-2,00	1 949,61	-	-	-	1 949,61	-	-
TABLE	Table	-2,00	819,78	-	-	-	819,78	-	-
WHITBOARD	WHITBOARD	-26,00	24 169,76	-	-	2 631,96	5 848,80	-	5 848,80

Analysis by Dimensions

← ... Analysis by Dimensions | Work Date: 2023/01/31  +  ✓ Saved  

DEFAULT

◀ Previous Set  Show Matrix ▶ Next Set  Reverse Lines and Columns | More options

General

Analysis View Code DEFAULT ... Show as Columns AREA ...

Show as Lines FURNITURE ... Show Value As Sales Amount ▼

Filters

Analysis by Dimensions

View - Sales Analysis by Dim Matrix

Search Related

Code	Name	Total Quantity	Total Sales Amount	Europe	Europe North	Europe North (EU)	Europe North (Non EU)	Europe North, Total	Europe South	Europe, Total
CHAIRE	CHAIR	-1,00	143,90	-	-	143,90	-	143,90	-	143,90
CUPBOARD	CUPBOARD	-	-	-	-	-	-	-	-	-
TABLE	Table	-	-	-	-	-	-	-	-	-



Sales · DEFAULT · Default analysis view | Work Date: 2023/01/31

Analysis View Entries Search

Item Ledger Entry Type ↑	Entry Type ↑	Item No. ↑	Location Code ↑	Area Code ↑ ▼	Customergr... Code ↑	Furniture Code ↑ ▼	Posting Date ↑	Sales Amount (Actual)	Sales Amount (Expected)	Cost Amount (Actual)	Cost Amount (Expected)	Cost Amount (Non-Invtbl.)	Quantity	Invoiced Quantity
Sale	Direct Cost	1936-S	BLUE	30		CHAIRE	2023/01/31	143,90	0,00	-97,50	0,00	0,00	-1,00	-1,00

Another type of analysis – Customer type

View - Sales Analysis by Dim Matrix

Search Related


Code	Name	Total Quantity	Total Sales Amount	CHAIR	CUPBOARD	Table	WHITBOARD
10	Europe	-	-	-	-	-	-
20	Europe North	-	-	-	-	-	-
30	Europe North (EU)	-287,90	73 347,05	8 106,42	1 949,61	819,78	14 329,56
40	Europe North (Non EU)	-22,00	5 446,07	137,44	-	-	-
45	Europe North, Total	-309,90	78 793,12	8 243,86	1 949,61	819,78	14 329,56
50	Europe South	-	-	-	-	-	-
55	Europe, Total	-309,90	78 793,12	8 243,86	1 949,61	819,78	14 329,56
60	America	-	-	-	-	-	-
70	America North	-28,00	3 112,04	-	-	-	-
80	America South	-	-	-	-	-	-
85	America, Total	-28,00	3 112,04	-	-	-	-
90	SA	-	-	-	-	-	-
91	Durban	-	-	-	-	-	-
92	Total SA	-	-	-	-	-	-

Analysis by Dimensions

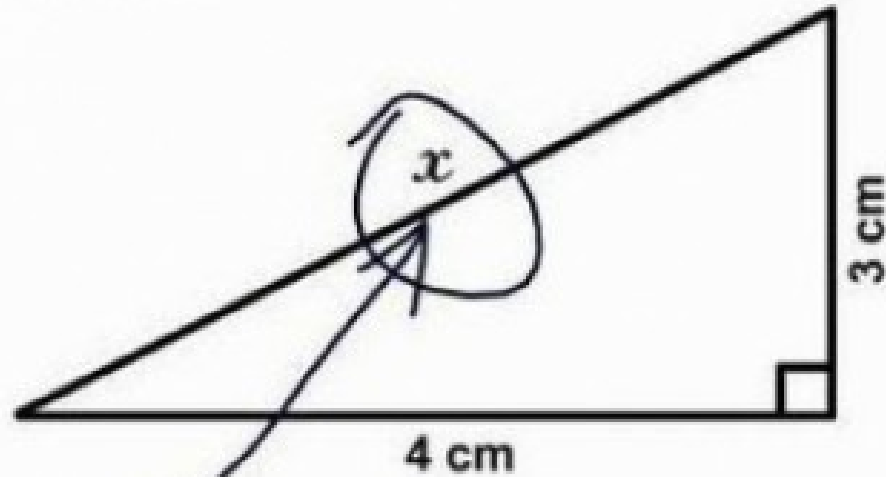
Dimensions play an important role in business intelligence, such as when defining analysis views. For more information, see [Analyze Data by Dimensions](#).

[Analyze Data by Dimensions - Business Central | Microsoft Docs](#)

An analysis by dimensions displays a selected combination of dimensions. You can store and retrieve each analysis you have set up. The information for setting up an analysis is stored on an Analysis View card to simplify future analysis.

1. Choose the  Searching window, enter **Analysis Views**, and then choose the related link.
2. On the **Analysis View List** page, choose the **New** action.
3. Fill in the fields as necessary. Hover over a field to read a short description.
4. To add other dimension codes in addition to the four on the **Dimensions** FastTab, choose the **Filter** action, fill in the fields, and then choose the **OK** button.
5. To update the view, choose the **Update** action.

3. Find x.



Here it is

Ocular Trauma - by Wade Clarke ©2005

$$a^2 + b^2 = c^2 \rightarrow 4 * 4 + 3 * 3 = 25 \rightarrow c = 5$$



THE END