

Business Central Introduction Dimensions

(ERP=Microsoft Dynamics 365 Business Central)

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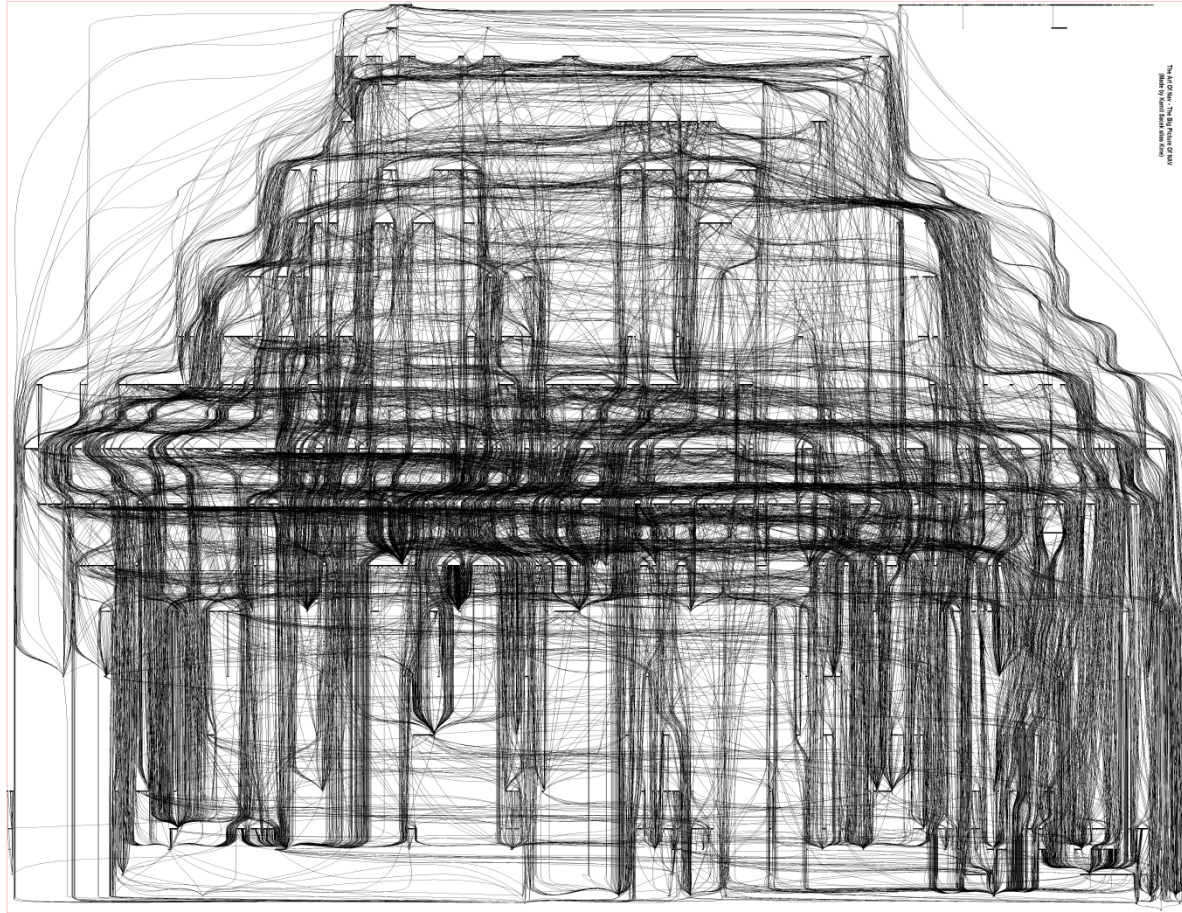
Business Intelligence

- 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

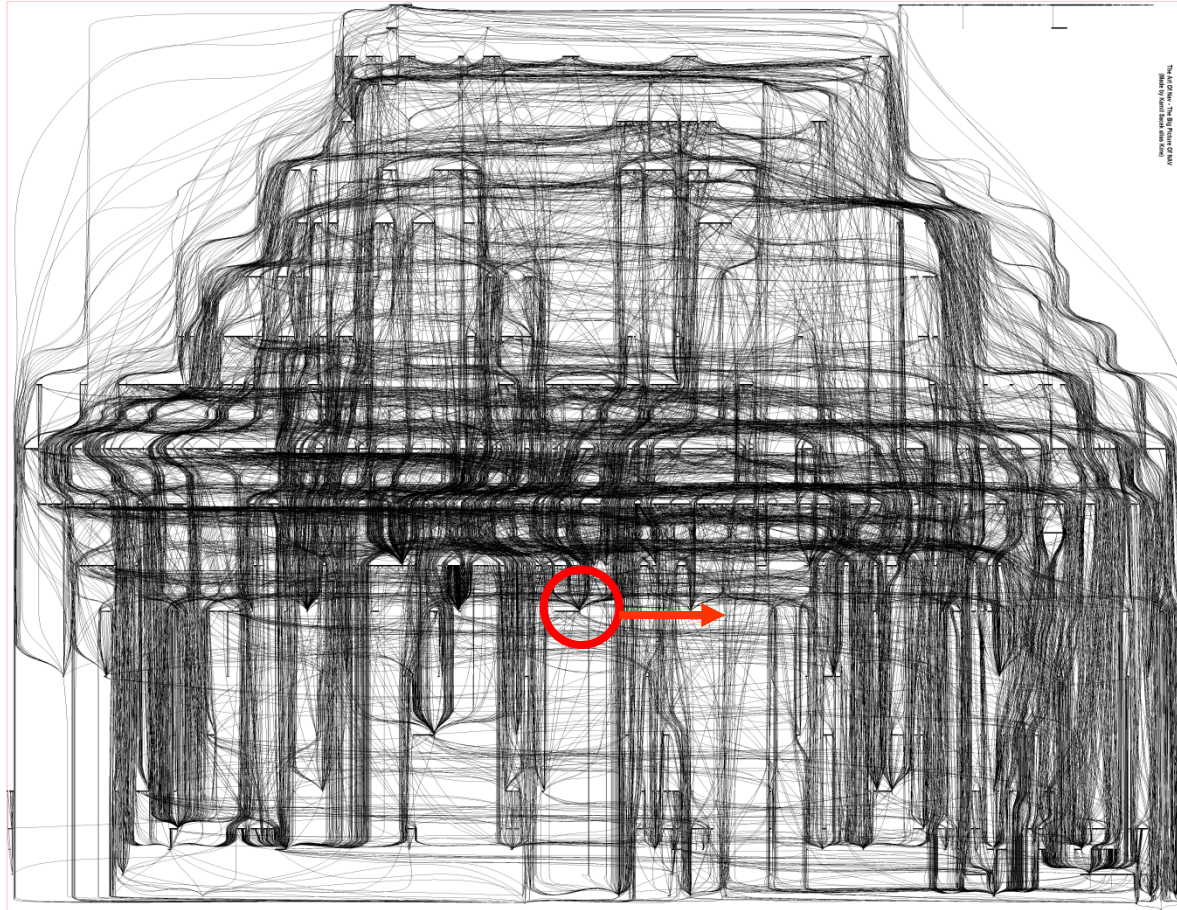
Limitations of ERP as a data provider

- 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.**
-

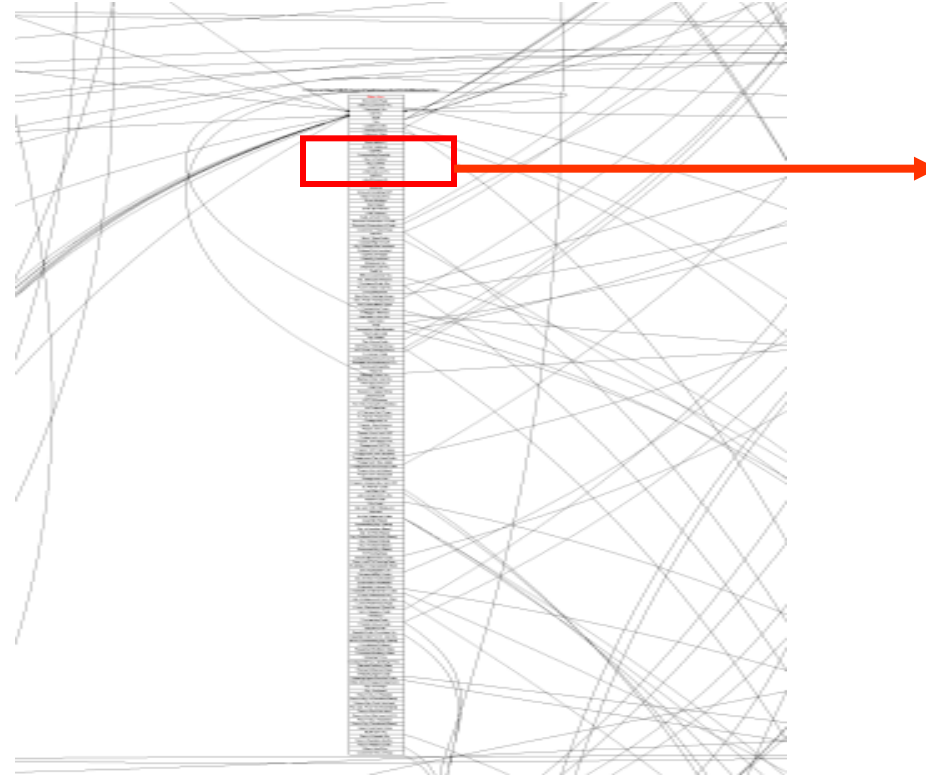
Relations among tables I



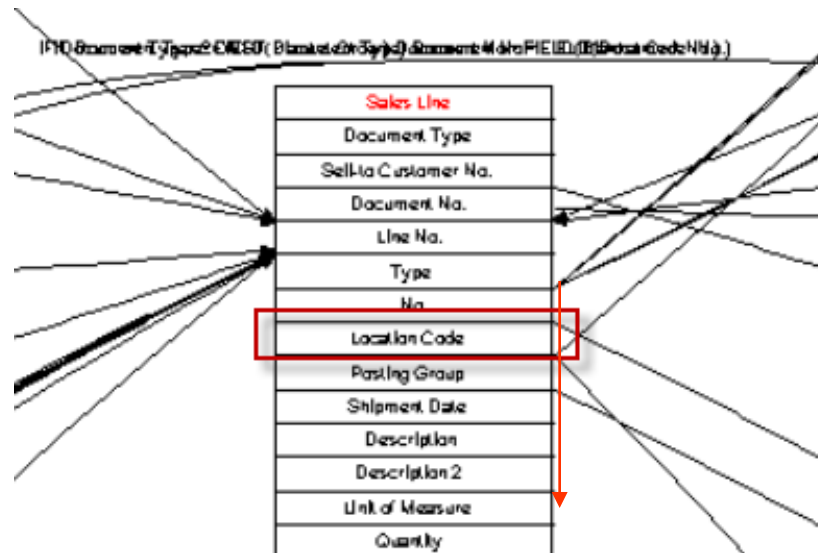
Relations among tables II



One table and its relations I



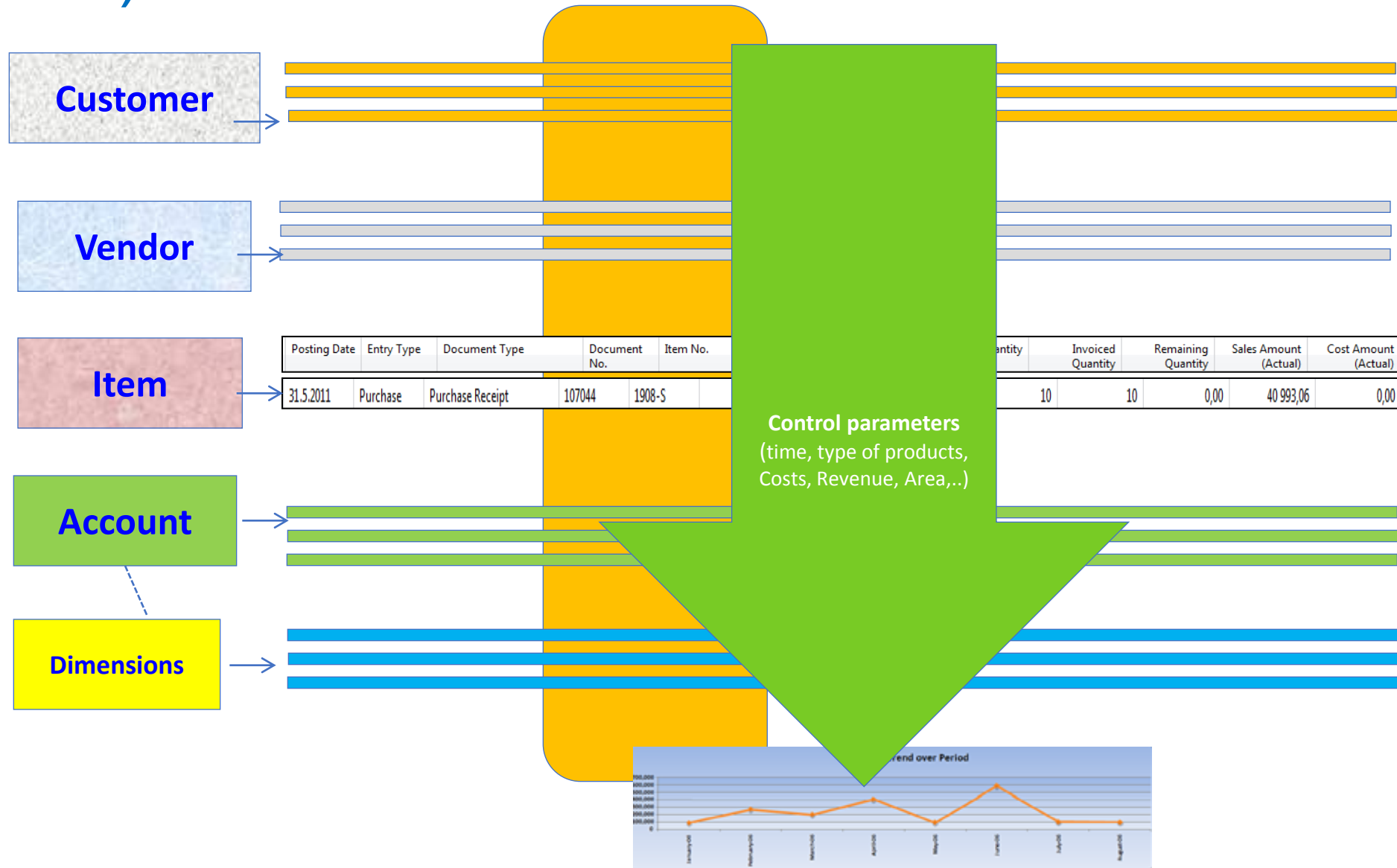
One table (Sales Line) and its relations II



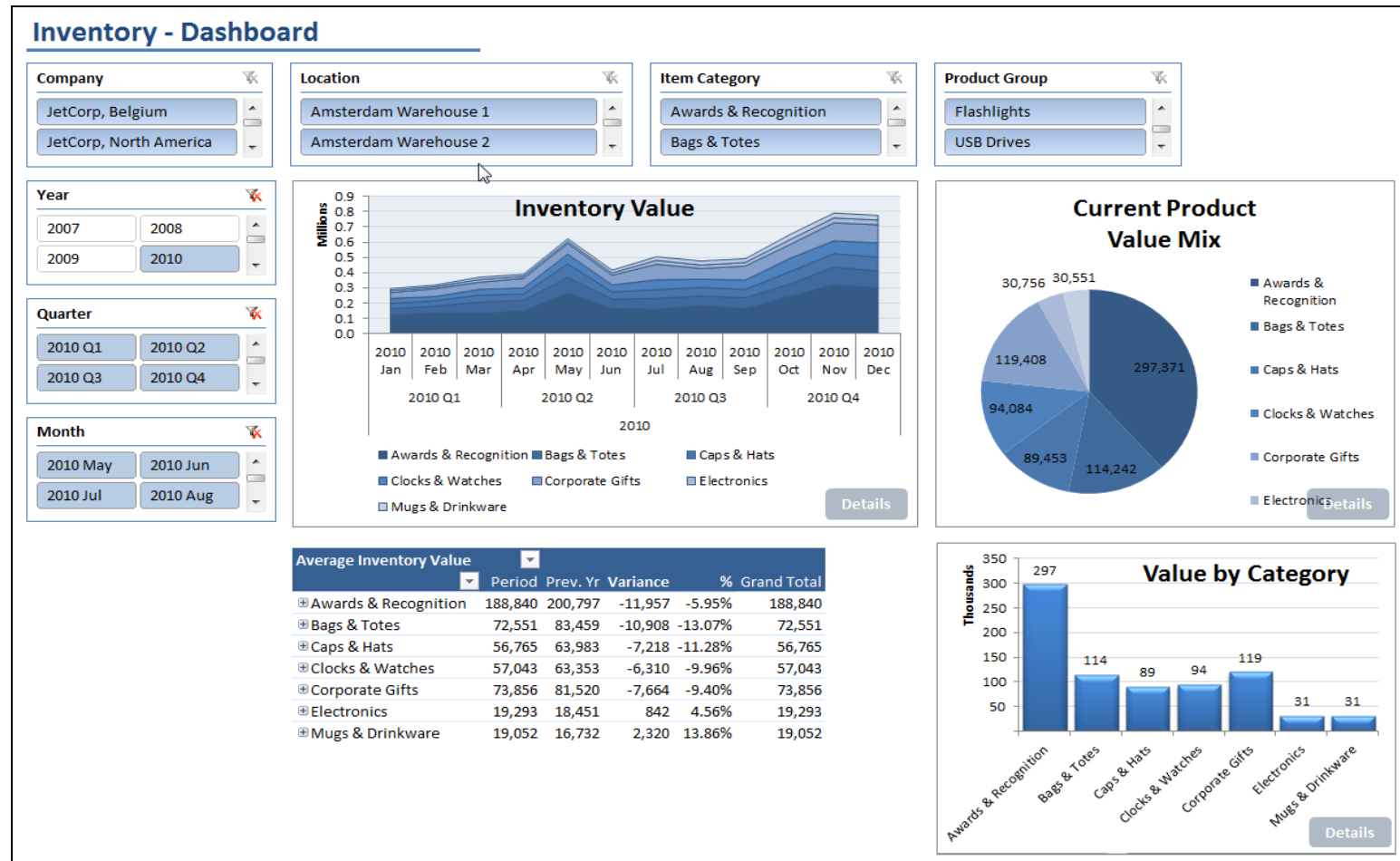
ERP NAV (very similar to Business Central)

| 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)

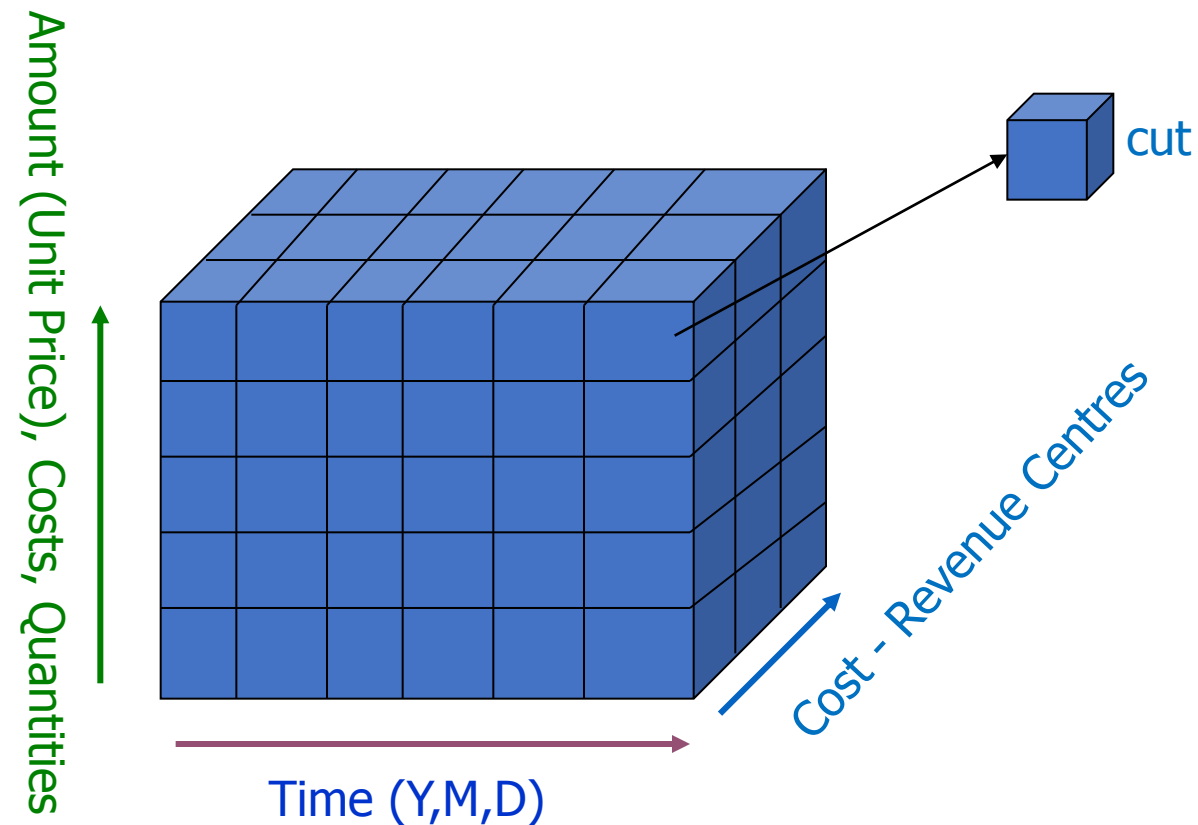


Some chosen analysis

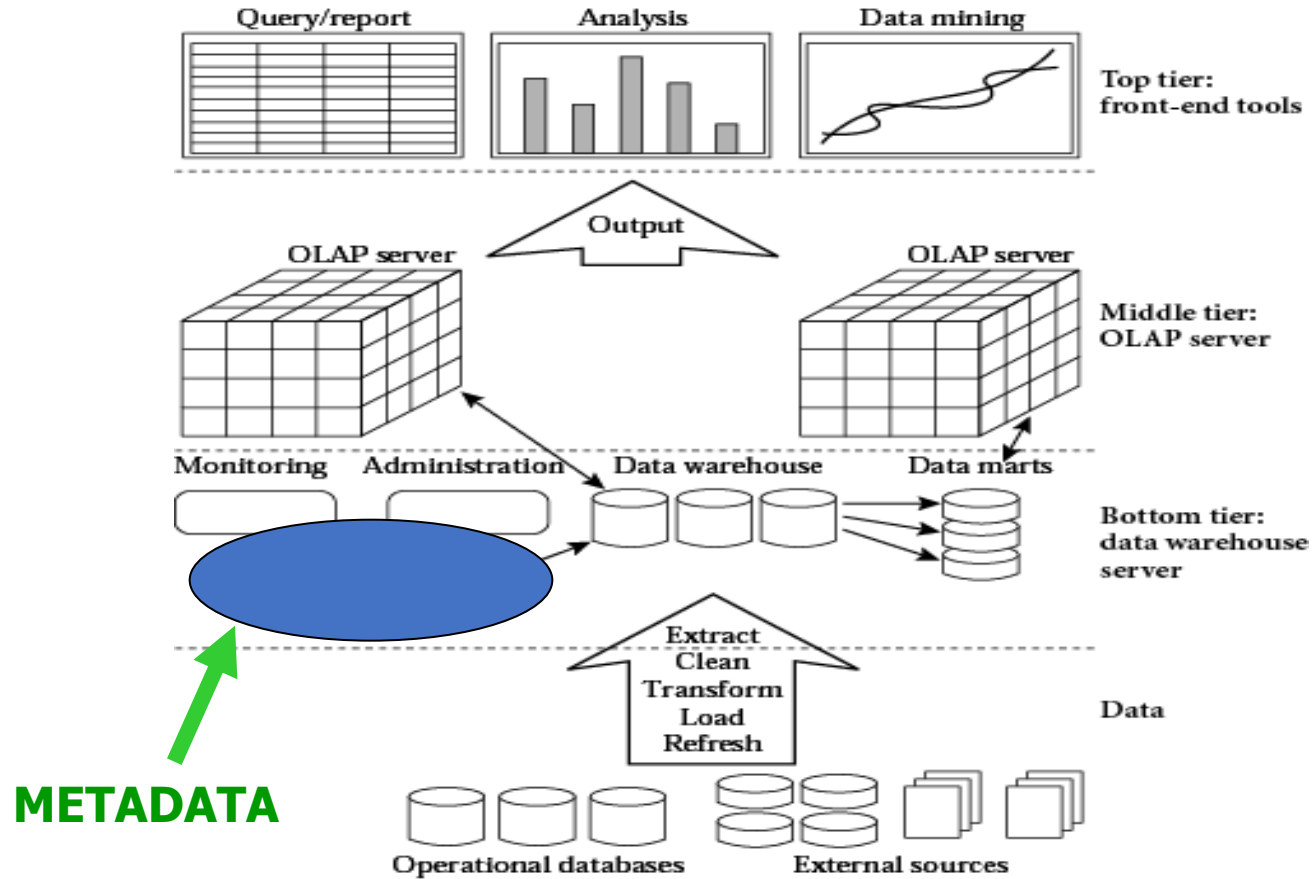


OLAP cube -adhoc definition of queries

- 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"/> |
|-------------------------|---|-------------------------|--------------------------------------|

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

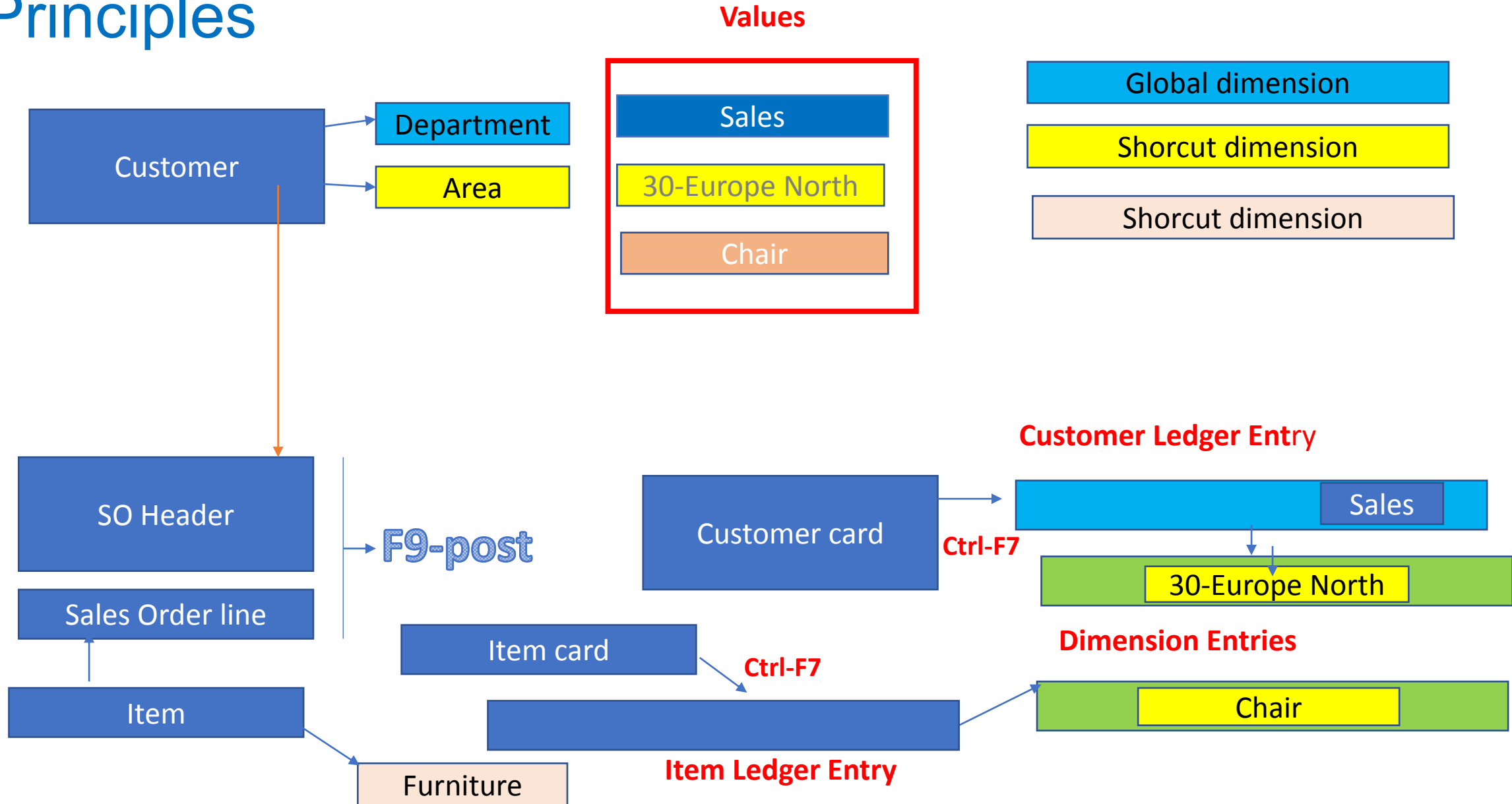
| CODE | | NAME | DIMENSION VALUE TYPE | TOTALING | BLO... |
|------|---|----------------------------|-------------------------|----------|--------------------------|
| 10 | | Europe | Begin-Total | | <input type="checkbox"/> |
| 20 | | Europe North | Begin-Total | | <input type="checkbox"/> |
| 30 | | 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 | - | - | - | - | - | - | - |
| PROJECT | Project | - | - | Blocked | - | - | - | - |
| 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 | |
| → INSTITUTION | ⋮ 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 |
|---------------|----------------------------|-----------|-----------|----------------|-------------------|--------------|
| <u>1936-S</u> | 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, and the 'Dimensions' option is highlighted with 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


| | |
|-------------|----------------------------|
| 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 | | |



Code 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

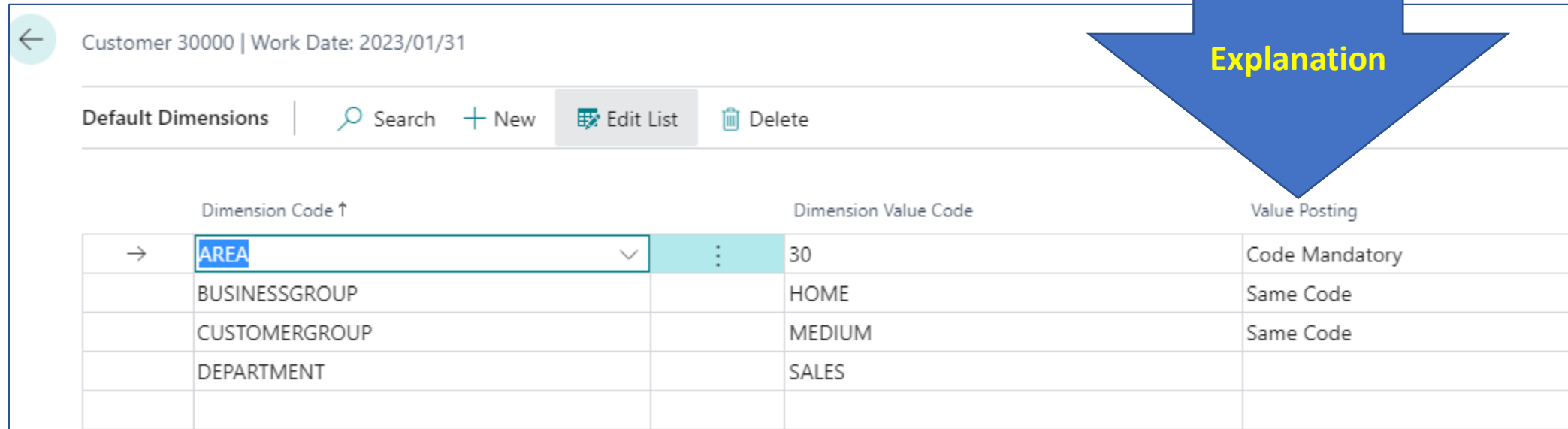
The screenshot shows a software interface for a customer card. At the top, the text "30000 · John Haddock Insurance Co." is displayed and highlighted with a red box. Below this is a navigation bar with tabs: "New Document", "Request Approval", "Prices & Discounts", "Navigate", "Customer", "Actions", "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 shows a software interface with a 'General' section on the left containing various fields like 'No.', 'Customer Name', 'Posting Date', and 'Order Date'. A 'Dimensions' menu is open, with a red box around 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, a table displays 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 | : | 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 |

Another set of dimensions

Dimensions | Work Date: 02.12.2027

Search + New Edit List Delete Dimension Actions Fewer options

| Code ↑ | Name | Code Caption | Filter Caption |
|---------------|----------------|--------------------|----------------------|
| → 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 |
| FURNITURE | Furniture | Furniture Code | Furniture Filter |
| FURNITURE 3 | Furniture 3 | Furniture 3 Code | Furniture 3 Filter |
| FURNITURE2 | Furniture2 | Furniture2 Code | Furniture2 Filter |
| POSTER | Poster | Poster Code | Poster Filter |
| PROJECT | Project | Project Code | Project Filter |

Dimension Values | Search + New Edit List

| Code | Name |
|-------------|---------------------|
| → B&W | Black and White |
| COLOR | Color |
| MOVIE | Movie Poster |
| WATER-COLOR | Water Color picture |

Related items

Item
Show more

No.

Description

Blocked

Type

Base Unit of Measure

Item Category Code

Variant Mandatory if Exists

Inventory
Show more

Shelf No.

Inventory

Qty. on Purch. Order

Qty. on Prod. Order

Qty. on Component Lines

Qty. on Sales Order


Stockout Warning

Unit Volume

Over-Receipt Code

Details
Attachments (0)

Picture



Marketing Text

Edit

Medusa Raft - 1: A Heart-Wrenching Tale of Survival and Despair This haunting image, titled "Medusa Raft - 1," depicts the aftermath of a tragic shipwreck off the African coast in July 1816. The French ship, whose name remains unknown, was carrying 157 ...

Item
Show more

No.

Description

Blocked

Type

Base Unit of Measure

Item Category Code

Variant Mandatory if Exists

Inventory
Show more

Shelf No.

Inventory

Qty. on Purch. Order

Qty. on Prod. Order

Qty. on Component Lines

Qty. on Sales Order


Stockout Warning

Unit Volume

Over-Receipt Code

Details
Attachments (0)

Picture



Marketing Text

Edit

Humpim H.Bogart, I.Bergman,

| Code | Name |
|-------------|---------------------|
| B&W | Black and White |
| COLOR | Color |
| MOVIE | Movie Poster |
| WATER-COLOR | Water Color picture |

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 |
|------------------|-----------------------|-------------------------------------|----------------------|---------------------|---------------------|---------------------|
| <u>CUSTOMERS</u> | 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 |
|---------|-----|------------|-----------------------------|





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](#)

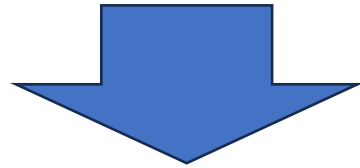
An analysis by dimensions displays a selected combination of dimensions. You can store and retrieve each analysis you have set up. The information for setting up an analysis is stored on an Analysis View card to simplify future analysis.

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.

Poster Analysis

Sales Analysis Views | Search + New Manage Edit Analysis View Update | More options

| Code ↑ | Name | Inclu... Budg... | Last Date Updated | Dimension 1 Code | Dimension 2 Code | Dimension 3 Code |
|---------------|------------------------|--------------------------|----------------------|---------------------|----------------------|---------------------|
| CUSTOMERS | Customers | <input type="checkbox"/> | 18.12.2023 | DEPARTMENT | CUSTOMERGR... | AREA |
| DEFAULT | Default analysis view | <input type="checkbox"/> | 29.11.2023 | BUSINESSGRO... | AREA | CUSTOMERGR... |
| POSTER | Poster Analysis | <input type="checkbox"/> | 24.11.2024 | POSTER | CUSTOMERGR... | AREA |

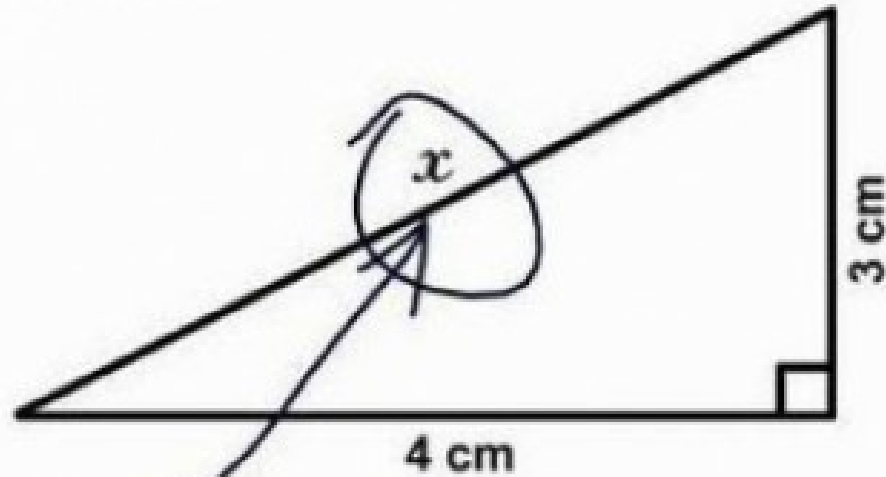


View - Sales Analysis by Dim Matrix

Search Related ▾

| Code | Name | Total Quantity | Total Sales Amount | BRNO | INSTITUTION | INTERCOMPANY | LARGE | MEDIUM |
|--------------------|----------------------------|----------------|--------------------|------|-------------|--------------|--------|--------|
| B&W | Black and White | - | - | - | - | - | - | - |
| COLOR | Color | -8,00 | 840,00 | - | - | - | 540,00 | 300,00 |
| MOVIE | Movie Poster | -3,00 | 36,00 | - | - | - | 36,00 | - |
| WATER-COLOR | Water Color picture | -2,00 | 40,00 | - | - | - | - | 40,00 |

3. Find x.



Here it is

Ocular Trauma - by Wade Clarke ©2005

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

T_0005 · Portrait of Recamier on Chaise Longue

Home Request Approval Item Prices & Discounts Actions Related Fewer options

Copy Item Adjust Inventory Create Stockkeeping Unit Apply Template

Item Show more

No. Base Unit of Measure

Description Item Category Code

Blocked Variant Mandatory if Exists

Type

Inventory Show more

Shelf No.

Qty. on Sales Order

Inventory Stockout Warning


Qty. on Purch. Order Unit Volume

Qty. on Prod. Order Over-Receipt Code

Qty. on Component Lines

Details Attachments (1)

Picture



Marketing Text

[Edit](#)

Portrait of Madame Récamier is an 1800 portrait of the Parisian socialite Juliette Récamier by Jacques-Louis David showing her in the height of Neoclassical fashion, reclining on a Directoire style sofa in a simple Empire line dress with almost bare arms, and short ...

Au revoir mes amis !!