



**COMMUNITY  
DAYS 2025**

# **Bringing Your Assets to Life with eazyBI**



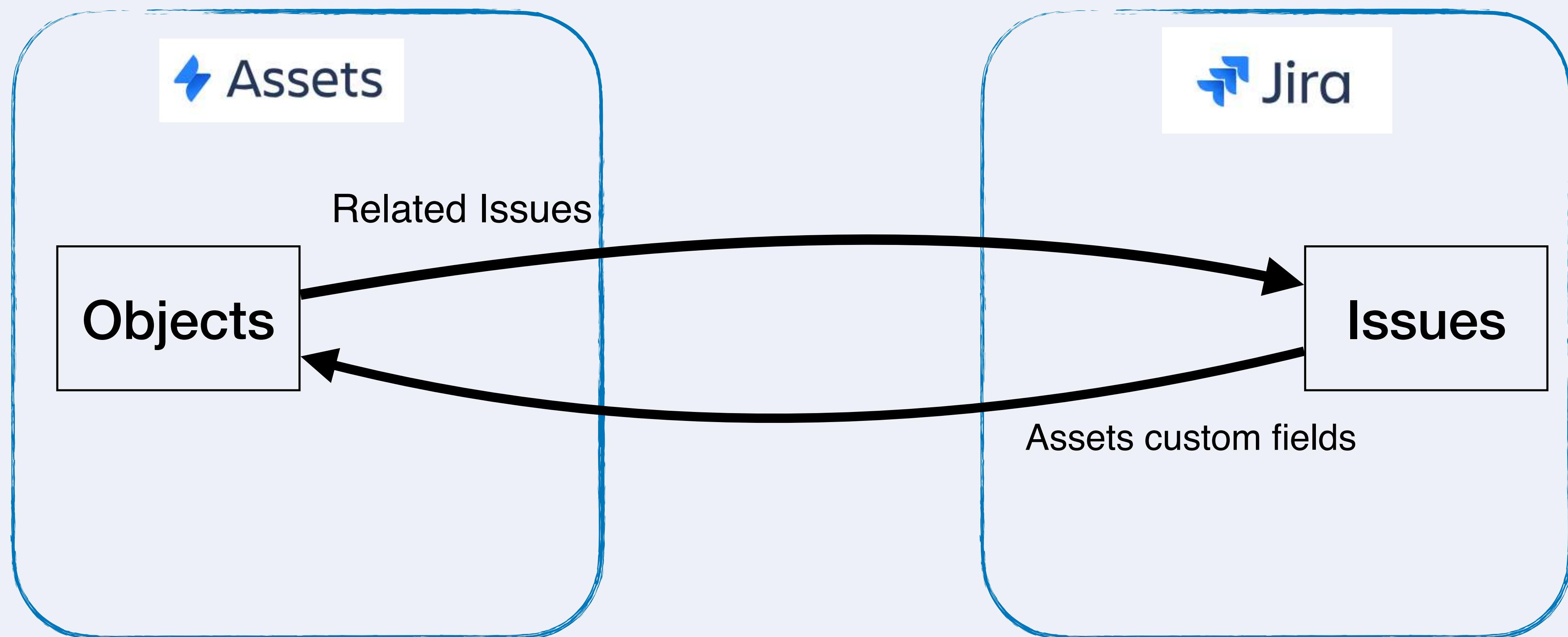
**Jānis Plūme**

Customer Support consultant

# Agenda

- > **eazyBI integrations with Assets**
- > **Assets custom fields in Jira Issues**
- > **Different use cases with Assets object schema**

# Assets object schemas vs. Assets custom fields



# **Assets custom fields in Jira Issues data cube**

# Additional settings for Assets custom fields

DEMO Alpha / DA-104  
Customer selected new team for their project

Edit Add comment Assign More Done Admin Time to SLA

Details

Type:	Story	Resolution:	Done
Priority:	Medium	Fix Version/s:	4.0, 5.0
Affects Version/s:	4.0		
Component/s:	LEFT, RIGHT		
Labels:	Development app_1 app_2		
Epic Link:	Teams		
Sprint:	D1 Sprint 12, D1 Sprint 13, D1 Sprint 14		
Story Points:	1		
T-shirt size:	L		
Account:	Development (DEV)		
Score:	2		
Flagged:	Impediment		
Fruits:	Banana		
Checklist CF:	EMPTY		
Reported by:	Adam Mint Department: IT Country: US	Anna Linda Department: R&D Country: GB	Constance Moon Department: Sales Country: GB

# Additional settings for Assets custom fields

DEMO Alpha / DA-104  
Customer selected new team for their project

Edit Add comment Assign More Done Admin Time to SLA

**Details**

Type: Story Resolution:  
Priority: Medium Fix Version/s:  
Affects Version/s: 4.0  
Component/s: LEFT, RIGHT  
Labels: Development app\_1 app\_2  
Epic Link: Teams  
Sprint: D1 Sprint 12, D1 Sprint 13, D1 Sprint 14  
Story Points: 1  
T-shirt size: L  
Account: Development (DEV)  
Score: 2  
Flagged: Impediment  
Fruits: Banana  
Checklist CF: EMPTY  
Reported by:  

Adam Mint	Department: IT
Country: US	

Anna Linda	Department: R&D
Country: GB	

Constance Moon	Department: Sales
Country: GB	

**eazyBI settings**

General License Additional Advanced settings

**Advanced settings**

Please see the [advanced settings documentation page](#).

```
3
4 [jira.customfield_11703]
5 assets_object_attributes = [
6   {name = "Department", data_type = "string"},
7 ]
```

# Custom hierarchies in Assets custom fields

Page filters  
Drag here if needed

Rows Nonempty

Reported by

- Select individual members
- All hierarchy level members

Select all members at level

Reported by 12

Add custom hierarchy

Delete members with no data

Drill into or expand

Page filters

Columns > Measures

Table Bar Line Pie Scatter Timeline

Issues created

+ All Reported bies	2,000
---------------------	-------

Add custom hierarchy

Property

- Department
- Department
- Hash value
- Label

Add cancel

# Custom hierarchies in Assets custom fields

The screenshot illustrates the configuration and visualization of custom hierarchies in Jira Data Center.

**Left Panel (Custom Hierarchy Configuration):**

- Page filters:** Drag here if needed.
- Rows:** Nonempty
- Reported by:**
  - Select individual members
  - All hierarchy level members
- Select all members at level:** Reported by 12
- Add custom hierarchy** (button highlighted with a purple border)
- Delete members with no data**
- Drill into or expand**
- Page filters**

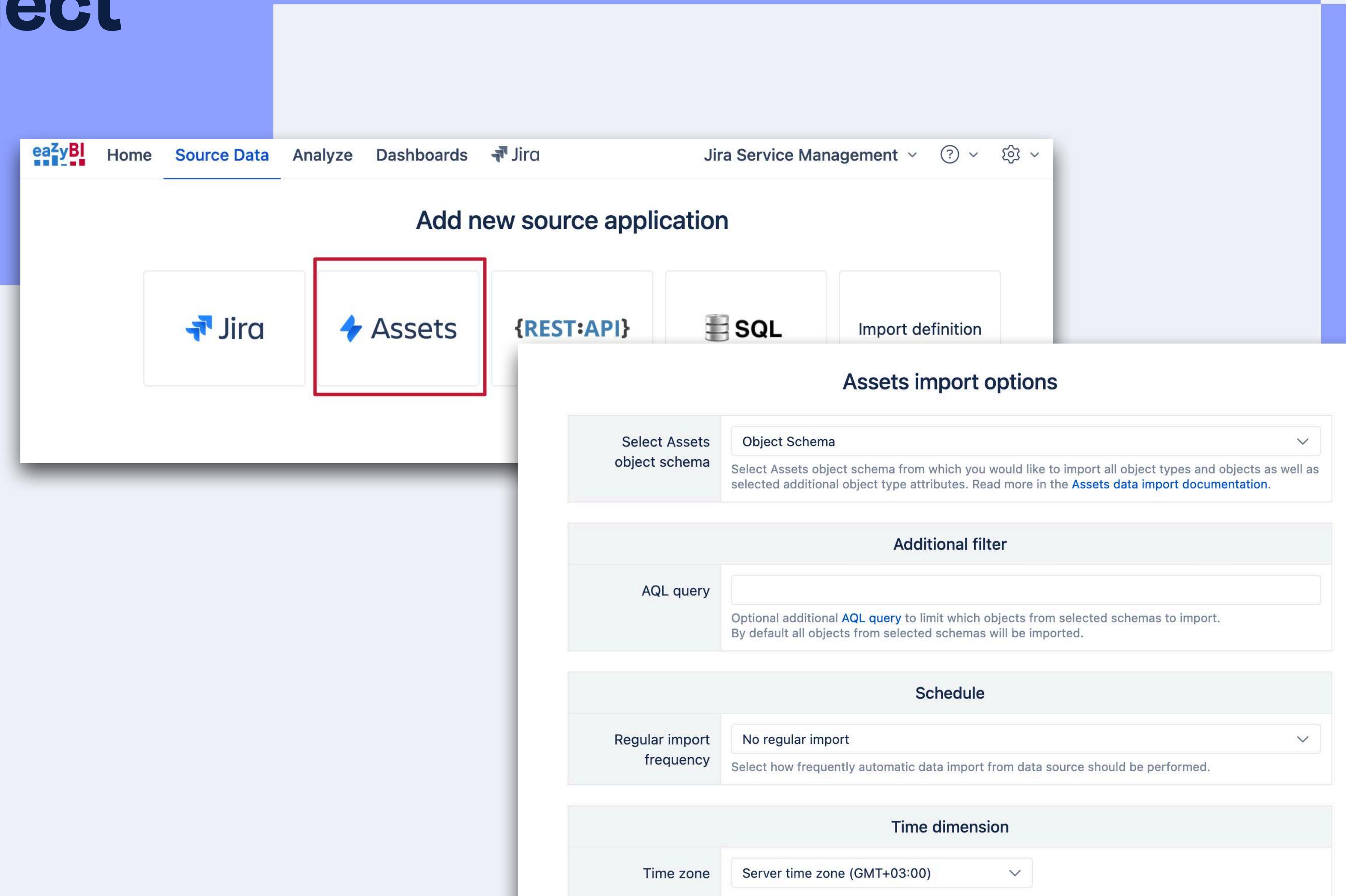
**Middle Panel (Data Visualization):**

- Columns:** Measures
- Table:** Issues created
- Total:** 2,000
- Actions:** X, Y, C, D, Total, Freeze header

**Right Panel (Add custom hierarchy dialog):**

- Property:**
  - Department
  - Department
  - Hash value
  - Label
- Page filters:** Nonempty
- Columns:** Measures, Issue Type
- Table:** Issues created
- ITSM Project:** IT, Marketing, R&D, Sales, Constance Moon, Monica Walker, Patrick Lewis
- Measures:** Change, Incident, Problem, Service Request
- Total:** 10, 10, 9, 10, 3, 11, 3, 9, 6, 8, 6, 10, 23, 6, 13, 2, 14, 2, 7, 5, 5, 2, 2, 3, 4, 2, 4
- Actions:** X, Y, C, D, Total, Hide empty, Freeze header

# Assets object schema import



The screenshot shows the eazyBI interface for adding a new source application. The top navigation bar includes links for Home, Source Data (which is currently selected), Analyze, Dashboards, Jira, and Jira Service Management. Below the navigation is a section titled "Add new source application" with several options: Jira, Assets (which is highlighted with a red border), REST:API, SQL, and Import definition. To the right, there are "Assets import options" including "Select Assets object schema" (set to "Object Schema") and an AQL query field with instructions for limiting imports. Further down are sections for "Additional filter", "Schedule" (set to "No regular import"), and "Time dimension" (set to "Server time zone (GMT+03:00)").

Add new source application

Jira Assets REST:API SQL Import definition

Assets import options

Select Assets object schema Object Schema

Select Assets object schema from which you would like to import all object types and objects as well as selected additional object type attributes. Read more in the [Assets data import documentation](#).

AQL query

Optional additional [AQL query](#) to limit which objects from selected schemas to import. By default all objects from selected schemas will be imported.

Additional filter

Schedule

Regular import frequency No regular import

Select how frequently automatic data import from data source should be performed.

Time dimension

Time zone Server time zone (GMT+03:00)

# Assets data model in eazyBI

The screenshot shows the eazyBI interface for managing the 'Assets' data model. At the top, there's a navigation bar with a cube icon labeled 'Assets >' and buttons for 'Save', 'Save as', 'New', and 'Open'. Below the navigation is a section titled 'Dimensions hide' with four collapsed categories: 'Object Type', 'Object Status', 'Object', and 'Time'. To the left, there are two sections: 'Page filters' (with a note 'Drag here if needed') and 'Rows' (with a note 'Drag dimensions here'). In the center, there's a 'Columns' section with a button labeled 'Measures' which is highlighted with a blue background. Below the columns section is a chart selection menu with 'Table' selected and other options like 'Bar', 'Line', 'Pie', etc. A note at the bottom says 'Drag at least one dimension to columns and one dimension to rows to query data.'

# Assets data model in eazyBI

The screenshot shows the eazyBI data model editor interface for the 'Assets' cube. At the top, there's a navigation bar with a cube icon, the word 'Assets', and save buttons for 'Save' and 'Save as'. Below the navigation is a section titled 'Dimensions hide' containing several dimension categories:

- > Object Type
- > Object Status
- > Object
- > Time
- > Object History Attribute
- > Object History Type
- > Object History Actor
- > Object Transition Status
- > Object Transition
- > Jira Issue

Two dimensions are highlighted with red boxes and labeled: 'Object History Attribute' and 'Object History Actor' are grouped under 'Object history', and 'Jira Issue' is labeled 'Linked issues'.

Below the dimensions are sections for 'Page filters' (with a placeholder 'Drag here if needed') and 'Rows' (with a placeholder 'Drag dimensions here').

The 'Columns' section contains a button labeled '> Measures' which is highlighted with a blue box.

At the bottom, there's a chart selection menu with 'Table' selected and other options like Bar, Line, Pie, Scatter, Timeline, Gantt, Gauge, and More.

A final instruction at the bottom reads: 'Drag at least one dimension to columns and one dimension to rows to query data.'

# Assets data model in eazyBI

The screenshot shows the eazyBI interface in 'Analyze' mode, focused on the 'Assets' schema. The top navigation bar includes links for Home, Source Data, Analyze (which is underlined), Dashboards, and Jira. On the right, there are buttons for Save, Save as, New, Open, and a help icon. The main area displays the 'Dimensions' section, which is currently expanded to show eight categories: Object Type, Object Status, Object, Object History Type, Object History Actor, Object History Attribute, Object Transition Status, Object Transition, and Jira Issue. A red box labeled 'Generic' highlights the 'Object' dimension. Below the dimensions, a horizontal bar shows counts for other schemas: Asset (4 dimensions), Competences (1 dimension), Country (1 dimension), Person (5 dimensions), and Project (1 dimension). The 'Measures' section is highlighted with a blue box and a red box labeled 'Schema - selected attributes'. The 'Columns' section shows a list of measures: Table, Bar, Line, Pie, Scatter, Timeline, Gantt, Gauge, and More. A note at the bottom says 'Drag at least one dimension to columns and one dimension to rows to query data.' A refresh icon is in the bottom right corner.

Dimensions hide

- > Object Type
- > Object Status
- > Object
- > Object History Type
- > Object History Actor
- > Object History Attribute
- > Object Transition Status
- > Object Transition
- > Jira Issue
- > Time

Asset show 4 dimensions   Competences show 1 dimension   Country show 1 dimension   Person show 5 dimensions   Project show 1 dimension

Schema - selected attributes

Page filters  
Drag here if needed

Columns

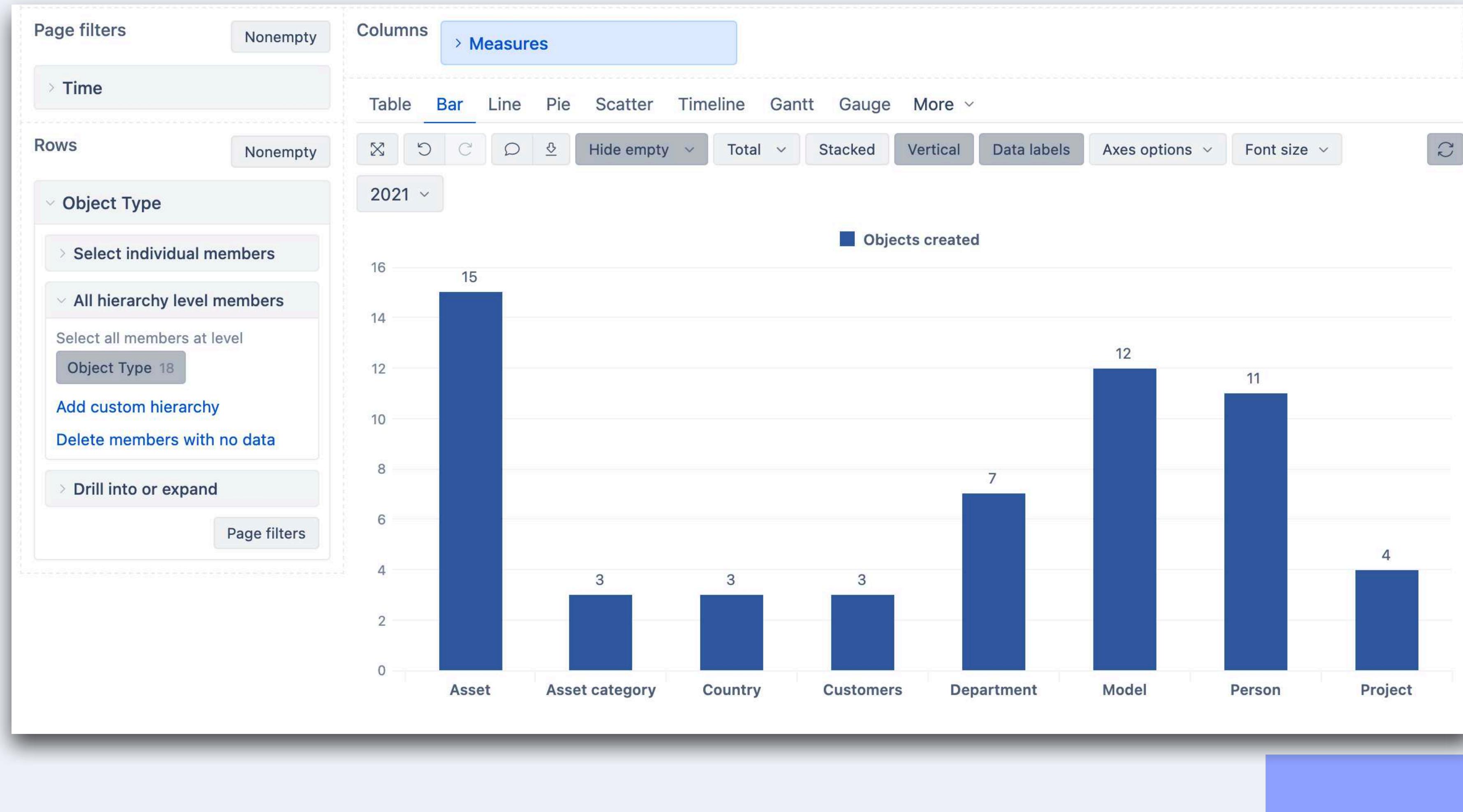
- > Measures

Table Bar Line Pie Scatter Timeline Gantt Gauge More

Rows  
Drag dimensions here

Drag at least one dimension to columns and one dimension to rows to query data.

# Basic reports



# Basic report (simple links)

OS-51  
**Cassy laptop**

 Attachment  Comment

**Attributes** Connected tickets Comments History

Key	OS-51
Name	Cassy laptop
Created	19/Nov/21 6:34 pm
Updated	22/Nov/24 2:16 pm
Purchase date	21/Mar/20
Warranty date	21/Mar/23
Owner	 Adam Mint
Model	 <a href="#">Apple MacBook Pro 13'</a>
Status	Active
Cost	1749

# Basic report (simple links)

OS-51  
**Cassy laptop**

Attachment Comment

**Attributes** Connected tickets Comments History

Key	OS-51
Name	Cassy laptop
Created	19/Nov/21 6:34 pm
Updated	22/Nov/24 2:16 pm
Purchase date	21/Mar/20
Warranty date	21/Mar/23
Owner	Adam Mint
Model	Apple MacBook Pro 13'
Status	Active
Cost	1749

Object Type Attributes

Select which object type attributes you would like to import as additional eazyBI dimensions, properties, and measures (additional attributes are called **custom fields** here).

Custom field	Import as dimension	Import as measure	Import as property
Asset hide			
Purchase date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Warranty date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Owner	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Model	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Cost	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Origin Issue	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Travel Device	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset category hide			
Required			<input type="checkbox"/>

# Basic report (simple links)

The screenshot illustrates a basic report interface with two main components: a ticket record view and a selection dialog.

**Ticket Record View:** On the left, a ticket record for "Cassy laptop" (Key: OS-51) is displayed. The "Model" field is highlighted with a purple circle and contains the value "Apple MacBook Pro 13'".

**Selection Dialog:** A modal dialog titled "Object Type" is overlaid on the ticket view. It lists various attributes for import, with "Asset Model" selected. Other visible attributes include "Asset hide", "Purchase date", "Warranty date", "Owner", "Cost", "Origin Issue", "Travel Device", "Asset category hide", and "Required".

**Report View:** On the right, a report table titled "Asset" is shown. The table has columns for "Object Type" and "Objects created". The data includes:

Object Type	Objects created
24" Full HD LED	1
24" Full HD LED VA 144Hz Curved	1
24" UHD LED IPS	1
Apple MacBook Air	2
Apple MacBook Pro 13'	5
Galaxy Note 8	1
Galaxy S7	1
iPhone 7	2
iPhone 8 Plus	2
Surface	1
ZenBook UX330UA	2

# Object history reports

Asset Create Object Objects

No description

Id	Name	Description	Type	Type Value
4229	Key		Default	Text
4230	Name	The name of the object	Default	Text
4231	Created		Default	DateTime
4232	Updated		Default	DateTime
4241	Purchase date		Default	Date
4244	Warranty date		Default	Date
4242	Owner		Object	Person
4243	Model		Object	Model
4250	Status		Status	
10373	Cost		Default	Float
10529	Origin Issue	<input type="text" value="Enter value"/>	Default	Text
10599	Travel Device		Default	Boolean

**Object statuses and history**

Status attributes  Status  Person status  Other status

Select which attribute names are used for the default object status and should be used for the **Object Status** and **Transition Status** dimensions and **Transitions to / from status** and **Hours in transition status** measures.  
These attributes will not be included in the list of custom fields below.

Import object change history including status attributes workflow transitions and attributes change entries.

# Object history reports

Asset

No description

Create Object Objects

ID	Name	Description	Type	Type Value
4229	Key		Default	Text
4230	Name	The name of the object	Default	Text
4231	Created		Default	DateTime
4232	Updated		Default	DateTime
4241	Purchase date		Default	Date
4244	Warranty date		Default	Date
4242	Owner		Object	Person
4243	Model		Object	Model
4250	Status		Status	
10373	Cost		Default	Float
10529	Origin Issue	Enter value	Default	Text
10599	Travel Device		Default	Boolean

Object filters Nonempty

Object

Time

Time

All hierarchy level members

Drill into or expand

Page filters

Objects in transition status

	Active	Closed	In Service
+ Jan 2023	16	1	1
+ Feb 2023	16	1	1
+ Mar 2023	15	1	2
+ Apr 2023	14	1	3
+ May 2023	16	1	1
+ Jun 2023	16	1	1
+ Jul 2023	16	1	1
+ Aug 2023	17	1	1
+ Sep 2023	17	1	1
+ Oct 2023	17	1	1
+ Nov 2023	17	1	1
+ Dec 2023	17	1	1

Object statuses and history

Status attributes Status × Person status × Other status ×

Select which attribute names are used for the default object status and should be used for the Object Status and Transition Status dimensions and Transitions to / from status and Hours in transition status measures.

These attributes will not be included in the list of custom fields below.

Import object change history including status attributes workflow transitions and attributes change entries.

# Object history reports

Asset

No description

Create Object Objects

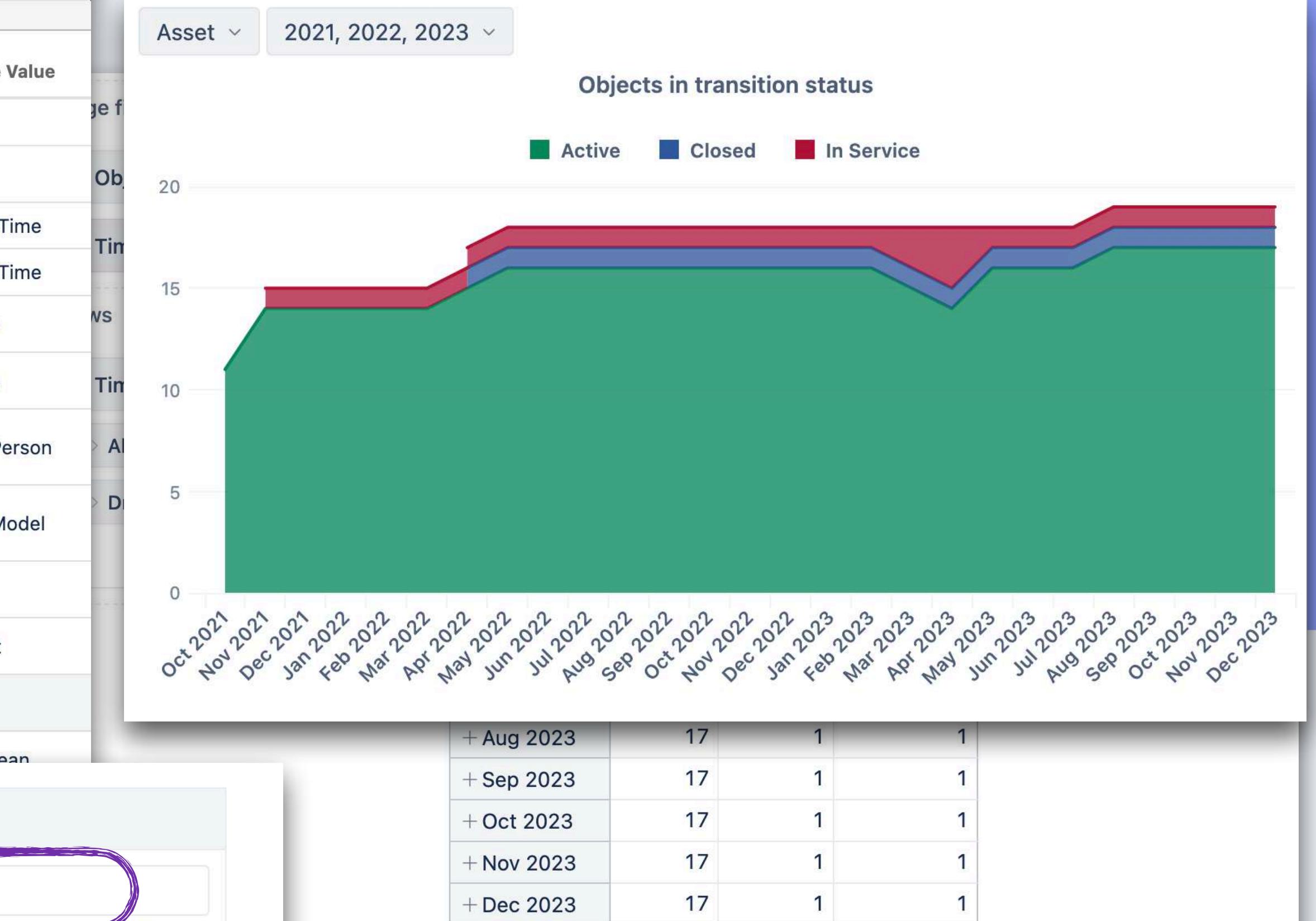
Id	Name	Description	Type	Type Value
4229	Key		Default	Text
4230	Name	The name of the object	Default	Text
4231	Created		Default	DateTime
4232	Updated		Default	DateTime
4241	Purchase date		Default	Date
4244	Warranty date		Default	Date
4242	Owner		Object	Person
4243	Model		Object	Model
4250	Status		Status	
10373	Cost		Default	Float
10529	Origin Issue	Enter value	Default	Text
10599	Travel Device		Default	Boolean

Object statuses and history

Status attributes Status × Person status × Other status ×

Select which attribute names are used for the default object status and should be used for the Object Status and Transition Status dimensions and Transitions to / from status and Hours in transition status measures. These attributes will not be included in the list of custom fields below.

Import object change history including status attributes workflow transitions and attributes change entries.



# Reports with numerics and dates

**Asset**  
No description

ID	Name	Description	Type	Type Value
4229	Key		Default	Text
4230	Name	The name of the object	Default	Text
4231	Created		Default	DateTime
4232	Updated		Default	DateTime
4241	Purchase date		Default	Date
4244	Warranty date		Default	Date
4242	Owner		Object	Person
4243	Model		Object	Model
4250	Status			
10373	Cost			
10529	Origin Issue			
10599	Travel Device			

**Object Type Attributes**

Select which object type attributes you would like to import as additional eazyBI dimensions, properties, and measures (additional attributes are called **custom fields** here).

Custom field	Import as dimension	Import as measure	Import as property
Asset hide			
Purchase date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Warranty date		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Owner	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Model	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Cost	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

# Reports with numerics and dates

**Asset**  
No description

Id	Name	Description	Type	Type Value
4229	Key		Default	Text
4230	Name	The name of the object	Default	Text
4231	Created		Default	DateTime
4232	Updated		Default	DateTime
4241	Purchase date		Default	Date
4244	Warranty date		Default	Date
4242	Owner		Object	Person
4243	Model		Object	Model
4250	Status			
10373	Cost			
10529	Origin Issue			
10599	Travel Device			

**Object Type Attributes**

Select which object type attributes you would like to import as additional eazyBI dimensions, properties, and measures (additional attributes are called **custom fields** here).

Custom field	Import as dimension	Import as measure	Import as property
Asset hide			
Purchase date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Warranty date		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Owner	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Model	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Cost		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Measures**

purchase date

**Predefined**

**Asset hide**

Objects with Asset Purchase date

**Object Asset properties hide**

Object Asset Purchase date = show

**Measures**

Asset cost

**Predefined**

**Asset hide**

Asset Cost sum

**Object Asset properties hide**

Object Asset Cost = show

# Reports with numerics and dates

## Asset cost by asset purchase date

The screenshot shows a reporting interface with the following configuration:

- Page filters:** Nonempty Object, Nonempty Asset Owner.
- Rows:** Nonempty Time. Under Time, it shows:
  - Select individual members
  - All hierarchy level members
    - Select all members at level:
      - Year 6
      - Quarter 22
      - Month 57
      - Day 755
- Columns:** Measures (Table selected). The table has the following structure:

	Objects with Asset Purchase date	Assets cost by purchase date
+ Q1 2020	1	1,749.00
+ Q3 2020	2	1,458.00
+ Q1 2021	1	479.00
+ Q4 2021		

```
Sum(  
    Filter(  
        Descendants([Object].CurrentMember, [Object].[Object]),  
        DateInPeriod([Measures].[Object Asset Purchase date],  
                    [Time].CurrentHierarchyMember)  
    ),  
    ([Measures].[Asset Cost sum],  
     [Time].CurrentHierarchy.DefaultMember)  
)
```

# Reports with numerics and dates

## Assets with warranty end dates

The screenshot illustrates a data reporting interface with two main components: a main dashboard and a detailed drill-through report.

**Main Dashboard:** The left side shows a table visualization titled "Objects with Asset Warranty date". The columns are "Time" (Rows) and "Objects with Asset Warranty date" (Measures). The rows represent time periods from Q2 2022 to Q2 2026. The values are numerical counts: +Q2 2022 (2), +Q3 2022 (2), +Q1 2023 (1), +Q4 2023 (1), +Q1 2024 (1), +Q2 2024 (2), +Q3 2024 (1), +Q1 2025 (2), +Q2 2025 (1), +Q1 2026 (2), and +Q2 2026 (2). A context menu is open over the cell for +Q2 2022, showing options: "Drill through Object", "Drill into Q2 2022", and "Drill across".

**Drill-through Report:** The right side shows a detailed report titled "Drill through Object. Total value: 2; row count: 2". It includes filters for "Object Type" (Asset, Active) and "Object Status". The table lists objects with their warranty dates:

Objects with Asset Warranty date	
Q2 2022	date
Anna Phone	1
Monica phone	1

# Reports with numerics and dates

## Assets with expired warranty end dates

The screenshot shows a data visualization interface with a sidebar for page filters and a main area for creating reports.

**Page filters:** Drag here if needed.

**Rows:** Nonempty

**Columns:** > Measures

**Table:** Bar, Line, Pie, Scatter, Timeline, Gantt, Gauge, More

**Measures:** Hide empty rows, Expired warranty > 0, All others

**Data Table:**

		Expired warranty	Object Asset Warranty date
Adam Mint	Cassy laptop	1	Mar 21 2023
Anna Linda	Anna Phone	1	May 21 2022
David Sand	David phone	1	Aug 31 2022
	David monitor	1	Sep 20 2022
	David laptop	1	Sep 20 2022
Duncan Snow	Duncan laptop	1	Apr 19 2024
Constance Moon	Constance laptop	1	Nov 28 2023
	Constance phone	1	Jan 04 2024
Cassy Rock	Test macbook	1	Sep 23 2024
Monica Walker	macbook pro for Monica	1	Apr 14 2024
	Monica phone	1	May 26 2022
	Monica laptop	1	May 17 2022
Patrick Lewis	Patrick Laptop	1	Mar 12 2025
	Patrick Phone	1	Mar 12 2025

Sum (

PreviousPeriods([Time].[Day].CurrentDateMember),

[Measures].[Objects with Asset Warranty date])

# Use cases: next level

- **Inbound vs. outbound links**
- **Multiple inbound links**
- **Several link levels (outbound/ inbound)**

# One level inbound/outbound links

CA-51

 Customer Support

[Details](#) [Activity](#)

**Name**: Customer Support

**Responsible**:  Anna Linda

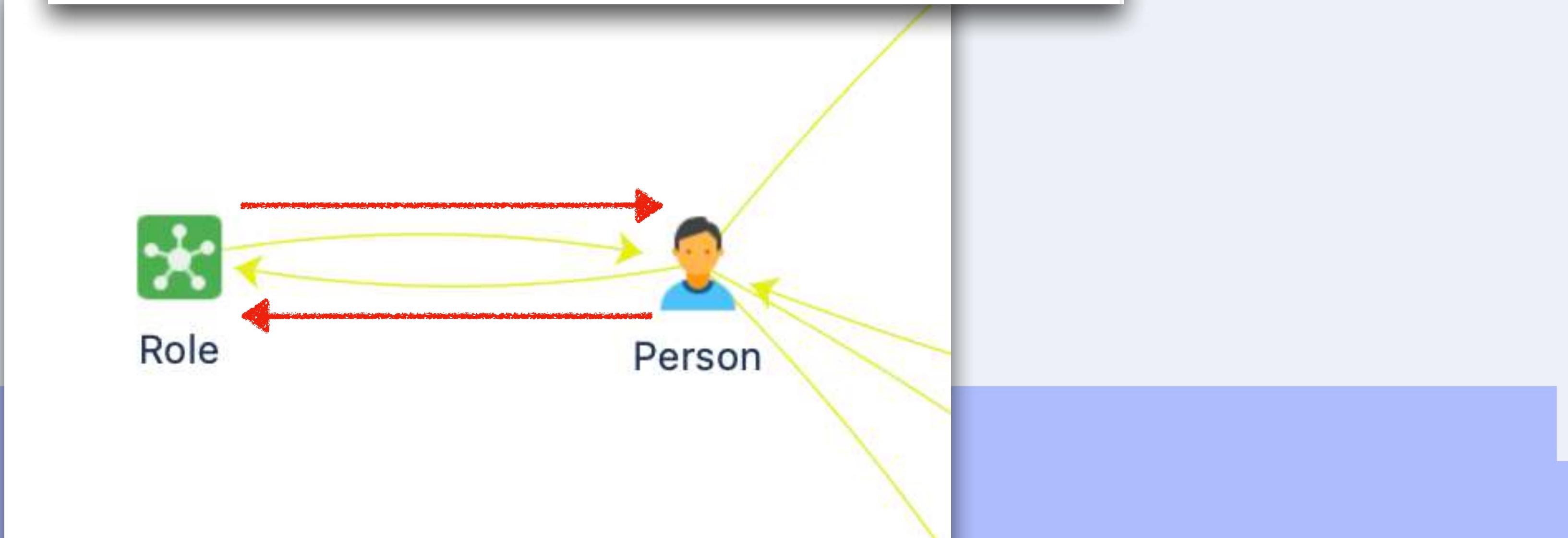
**Linked objects**

**Outbound references** (→○)

- Depend... →  Anna Linda

**Inbound references** (○←○)

- Depend... ←  Constance Moon
- Depend... ←  Sandra Adams
- Depend... ←  Steve Davis



# One level inbound/outbound links

CA-51

**Customer Support**

**Details** Activity

Name Customer Support

Responsible Anna Linda

**Linked objects**

**Outbound references** → Depend... Anna Linda

**Inbound references** ← Depend... Constance Moon, Sandra Adams, Steve Davis

**Page filters** Nonempty

**Object**

**Role Responsible**

**Columns** > Measures

Table Bar Line Pie Scatter Timeline Gantt Gauge More

Customer Support ▾

		Objects created
Customer Support	Anna Linda	1

**Page filters** Nonempty

> Person Role

**Rows** Nonempty

> Person Role

> Object

**Columns** > Measures

Table Bar Line Pie Scatter Timeline Gantt Gauge More

Customer Support ▾

		Objects created
Customer Support	Steve Davis	1
	Constance Moon	1
	Sandra Adams	1

Role

Person

?

# Multiple inbound links

Show “everything” from each country

The diagram illustrates a network graph with four main nodes: Person, Asset, and two Country nodes (UK and US). The Person node has multiple yellow arrows pointing to it from various directions. One arrow points from the UK Country node, and another points from the Asset node. The Asset node also has multiple yellow arrows pointing to it from different directions. A red arrow points from the Asset node to the UK Country node.

**Country**

Objects Attributes

Name	UK
Latitude	51.507351
Longitude	-0.127758

**Linked objects**

Inbound references ●↔○

- Reference Anna Laptop
- Reference Duncan laptop
- Reference Monica laptop
- Reference Anna Phone
- Reference Constance Phone
- Reference David phone
- Reference Anna Monitor
- Reference Test monitor
- Depend... Anna Linda
- Depend... Constance Moon
- Depend... Duncan Snow
- Depend... Patrick Lewis
- Depend... Steve Davis

# Multiple inbound links

Build custom hierarchies from outbound links

The screenshot illustrates the creation of custom hierarchies from outbound links. A red box highlights the 'Asset Country delete' section in the left sidebar, which contains a purple box around the 'Country 5 Object 71' link. Another red box highlights the 'Person Country delete' section, also with a purple box around the 'Country 4 Object 71' link. A third red box highlights the 'Add custom hierarchy' button.

A red arrow points from the 'Asset Country delete' link to a callout box containing C� code:

```
CoalesceEmpty(  
    NonEmptyString(  
        Generate(  
            [Object.Person.Country].[Country].GetMemberByKey(  
                [Object].CurrentHierarchyMember.KEY  
            ).Children,  
            [Object.Person.Country].CurrentHierarchyMember.Name,  
            ", "  
        )  
    ),  
    "N/A"  
)
```

Another red arrow points from the 'Person Country delete' link to a callout box containing C� code:

```
FR  
LV  
UK  
US
```

Below these boxes is a table showing the results of the generated hierarchy:

Object	Objects created
+ (none)	61
+ FR	3
- UK	5
Anna Linda	1
Constance Moon	1
Duncan Snow	1
Patrick Lewis	1
Steve Davis	1
+ US	2

At the bottom, another table shows the 'Country inbound links' for each country:

Country	Objects created	Country inbound links
FR	1	Assets:Constance laptop, Daina Monitor, Daina Phone Users: Daina Tupule, David Sand, Sandra Adams
LV	1	Assets:Anna Laptop, Daina Laptop, Gerda laptop, San Users: N/A
UK	1	Assets:Anna Laptop, Anna Monitor, Anna Phone, Constance Phone, David phone, Duncan laptop, Monica laptop, Test monitor Users: Anna Linda, Constance Moon, Duncan Snow, Patrick Lewis, Steve Davis
US	1	Assets:Adam Laptop, David laptop, Monica phone Users: Gerda Grantiņa, Monica Walker

# Multiple inbound links

Build custom hierarchies from outbound links

The screenshot displays a business intelligence interface with several windows:

- Object Details Window:** Shows a tree view under 'Object'. A red box highlights the 'Asset Country delete' section, which contains a 'Country 5 Object 71' button.
- Country Table:** A small window titled 'Country' showing a table of countries and object counts: FR (1), LV (1), UK (1), US (1).
- Object Creation Table:** A table showing objects created by country: + (none) (61), + FR (3), - UK (5), Anna Linda (1), Constance Moon (1), Duncan Snow (1), Patrick Lewis (1), Steve Davis (1), + US (2). A red box highlights the entire table.
- Report View:** A large window showing a report with a table. The table has columns: 'Object', 'Objects created', and 'Country inbound links'. It lists four countries: FR, LV, UK, and US. Each row shows a list of assets and users. Red arrows point from the highlighted sections in the first window to the corresponding data in the report table.

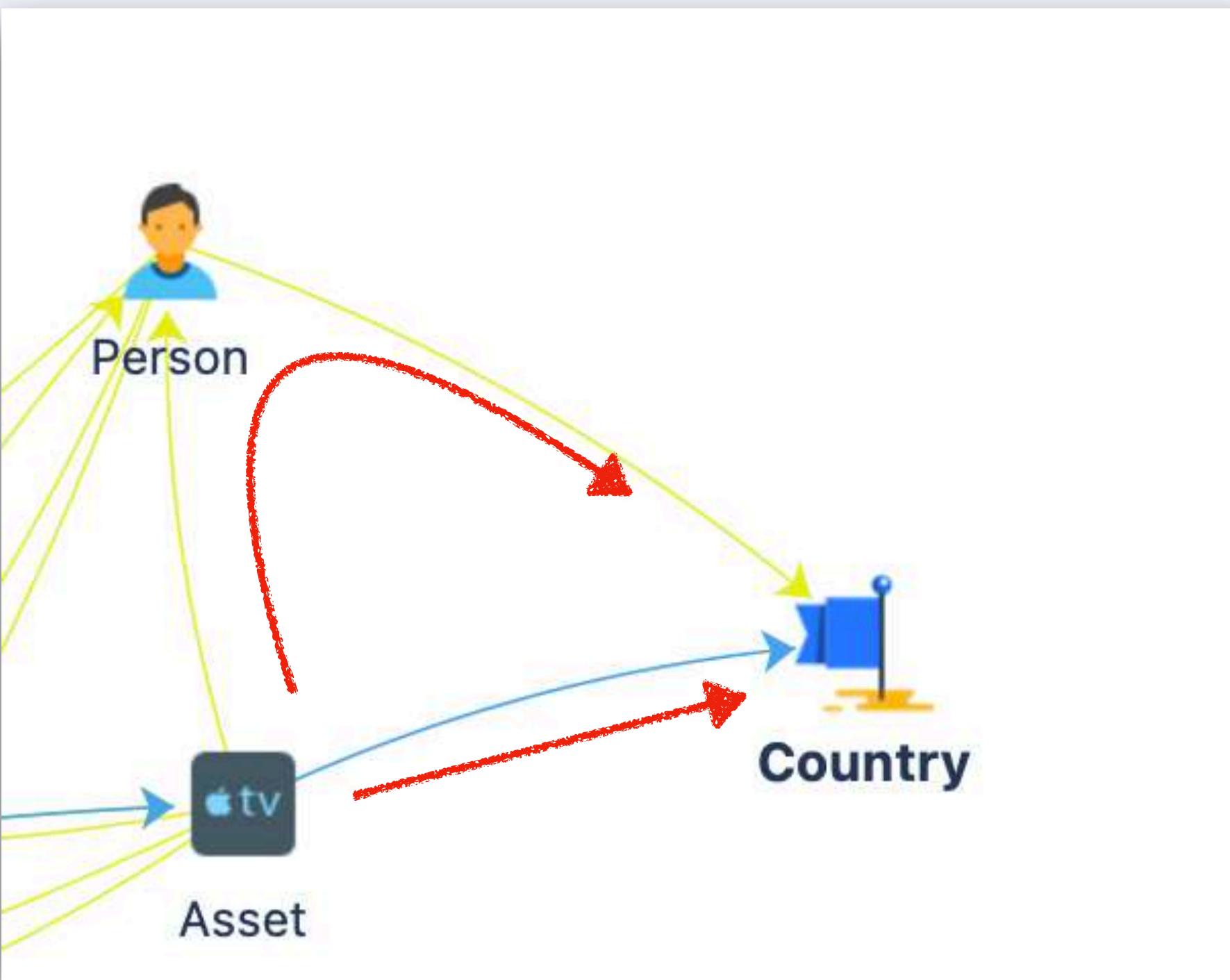
Object	Objects created	Country inbound links
+ (none)	61	
+ FR	3	Assets:Constance laptop, Daina Monitor, Daina Phone Users: Daina Tupule, David Sand, Sandra Adams
- UK	5	Assets:Anna Laptop, Daina Laptop, Gerda laptop, Sam Laptop Users: N/A
Anna Linda	1	
Constance Moon	1	
Duncan Snow	1	
Patrick Lewis	1	
Steve Davis	1	
+ US	2	Assets:Adam Laptop, David laptop, Monica phone Users: Gerda Grantiņa, Monica Walker

```
"**Assets**:" ||  
CHR(10) ||  
CoalesceEmpty(  
NonEmptyString(  
Generate(  
[Object.Asset Country].[Country].GetMemberByKey(  
[Object].CurrentHierarchyMember.KEY  
).Children,  
[Object.Asset Country].CurrentHierarchyMember.Name,  
", "  
)  
,  
"N/A"  
)  
||  
CHR(10)  
|| "**Users**:" ||  
CoalesceEmpty(  
NonEmptyString(  
Generate(  
[Object.Person Country].[Country].GetMemberByKey(  
[Object].CurrentHierarchyMember.KEY  
).Children,  
[Object.Person Country].CurrentHierarchyMember.Name,  
", "  
)  
,  
"N/A"
```

# Several link levels

How many (and which) assets are “used abroad”?

Find assets where country does no match the asset owner country



# Several link levels

Navigate the single value outbound links

```
CASE WHEN  
      [Measures].[Object Asset Country]  
<>  
      [Object].[Object].GetMemberByKey(  
          [Object].[Object].GetMemberByKey(  
              [Object].CurrentMember.get('Asset Owner')  
          ).get('Person Country')  
      ).Name  
THEN  
      [Measures].[Objects created]  
END
```

Page filters Nonempty

Columns > Measures

Object Type

Rows Nonempty

Object

Asset abroad > 0 All others Total

Asset, Laptop, Mobile, Model

	Asset abroad	Get asset owner country	Object Asset Country
Adam Laptop	1	FR	US
David phone	1	FR	UK
Daina Laptop	1	FR	LV
Anna Laptop	1	UK	LV
Gerda laptop	1	US	LV
Constance laptop	1	UK	FR
David laptop	1	FR	US
Monica laptop	1	US	UK
Sandra Laptop	1	FR	LV

# Several link levels

Navigate the single value outbound links

The screenshot shows a software interface with a code editor and a data grid. A red arrow points from the code editor to the data grid, indicating a navigation path between the two.

**Code Editor:**

```
[Object].[Object].GetMemberByKey(  
    [Object].CurrentMember.get('Asset Owner')  
).Name
```

**Data Grid:**

Asset, Laptop, Mobile, Model	
	Objects created
Adam Laptop	1
David phone	1
Daina Laptop	1
Anna Laptop	1
Gerda laptop	1
Constance laptop	1
David laptop	1
Monica laptop	1
Sandra Laptop	1

# Several link levels

Navigate the single value outbound links

```
[Object].[Object].GetMemberByKey(  
    [Object].CurrentMember.get('Asset Owner')  
).Name
```

Asset, Laptop, Mobile, Model ▾

	Objects created	Asset owner (Person)
Adam Laptop	1	Daina Tupule
David phone	1	David Sand
Daina Laptop	1	Daina Tupule
Anna Laptop	1	Anna Linda
Gerda laptop	1	Gerda Grantiņa
Constance laptop	1	Constance Moon
David laptop	1	David Sand
Monica laptop	1	Monica Walker
Sandra Laptop	1	Sandra Adams

# Several link levels

Navigate the single value outbound links

```
[Object].[Object].GetMemberByKey(  
    [Object].CurrentMember.get('Asset Owner')  
).Name
```

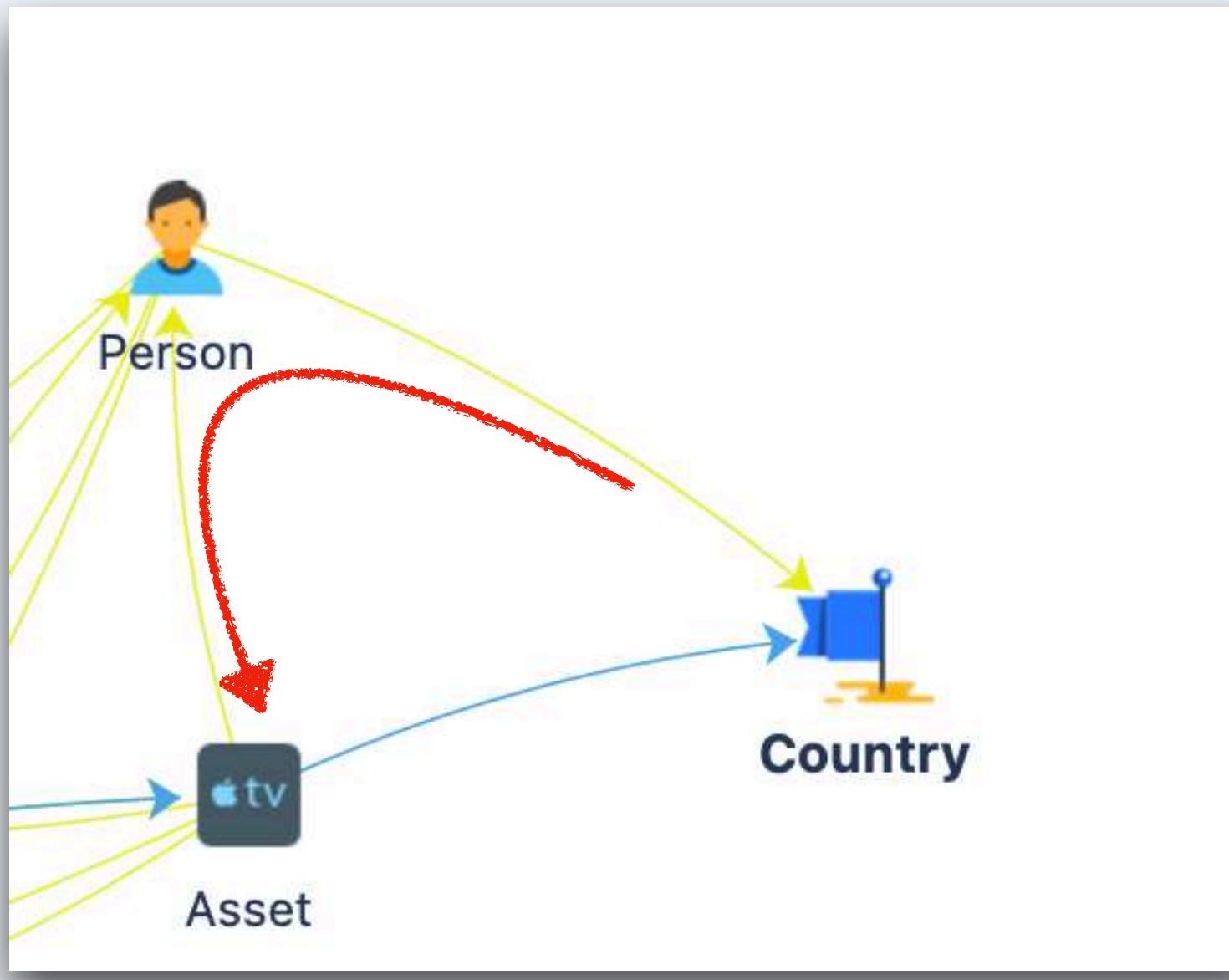
```
[Object].[Object].GetMemberByKey(  
    [Object].[Object].GetMemberByKey(  
        [Object].CurrentMember.get('Asset Owner')  
    ).get('Person Country')  
).Name
```

Asset, Laptop, Mobile, Model ▾

	Objects created	Asset owner (Person)
Adam Laptop	1	Daina Tupule
David phone	1	David Sand
Daina Laptop	1	Daina Tupule
Anna Laptop	1	Anna Linda
Gerda laptop	1	Gerda Grantiņa
Constance laptop	1	Constance Moon
David laptop	1	David Sand
Monica laptop	1	Monica Walker
Sandra Laptop	1	Sandra Adams

# Several link levels (inbound)

Count assets per country, using the Person country



# Several link levels (inbound)

Count assets per country, using the Person country

The screenshot shows a data visualization interface with the following components:

- Page filters:** Object Type (Nonempty) and Object (Nonempty).
- Columns:** Measures (selected), Table (selected), Bar, Line, Pie, Scatter, Timeline, Gantt, Ga.
- Rows:** Country (Nonempty).
- Table Data:**

	Asset by country	Asset count by Person country
FR	4	9
LV	4	
UK	8	8
US	3	3

```
NonZero(Count(
    Generate(
        [Object.Person Country].[Country].GetMemberByKey(
            [Object].CurrentHierarchyMember.KEY
        ).Children,
        [Object.Asset Owner].[Owner].GetMemberByKey(
            [Object.Person Country].CurrentHierarchyMember.Key
        ).Children
    )
))
```

# One more thing...

NEW! Access to the cross schema linked objects attributes with advanced settings

Site settings

General Advanced settings

Advanced

Please see the [advanced settings documentation page](#).

```
518 [source_application.assets.customfield_394]
519 data_type = "string"
520 dimension = true
521 assets_object_attributes = [
522     {name = "Manager Name", data_type = "string"}
523     {name = "Job Role", data_type = "string"}
524     {name = "Department", data_type = "string"}
525     {name = "Employment Type", data_type = "string"}
526     {name = "Start Date", data_type = "date"}
527     {name = "Status", data_type = "string"}
528 ]
529
```

Page filters Drag here if needed

Rows Nonempty

Hardware Assets Owner

- > Select individual members
- > All hierarchy level members
- Select all members at level
- Owner 9
- Department delete
- Department 3 Owner 9
- Manager Name delete
- Manager Name 3 Owner 9
- Add custom hierarchy
- Delete members with no data
- > Drill into or expand

Columns > Measures

Table Bar Line Pie Scatter Timeline Gantt Gauge More ▾

Total ▾ Freeze header

	Objects created	Hardware properties
+ (none)	20	KEY: (none)
- Dev	5	KEY: Dev
Anna Linda	2	KEY: PEOP-134 Manager Name: Sandra Adams Job Role: Developer Department: Dev Employment Type: Full-time employee Start Date: 2020-10-10 Status: Active Hash value: 38065ebce1688b499209a0f1e9b511b7a7af8f92 DISPLAY_KEY: PEOP-134 Label: Anna Linda
Constance Moon	1	KEY: PEOP-135 Manager Name: Sandra Adams Job Role: Developer Department: Dev Employment Type: Contractor Start Date: 2023-01-12

# **Thank you!**

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