eazyBI

Building Reports on Different Data Sources
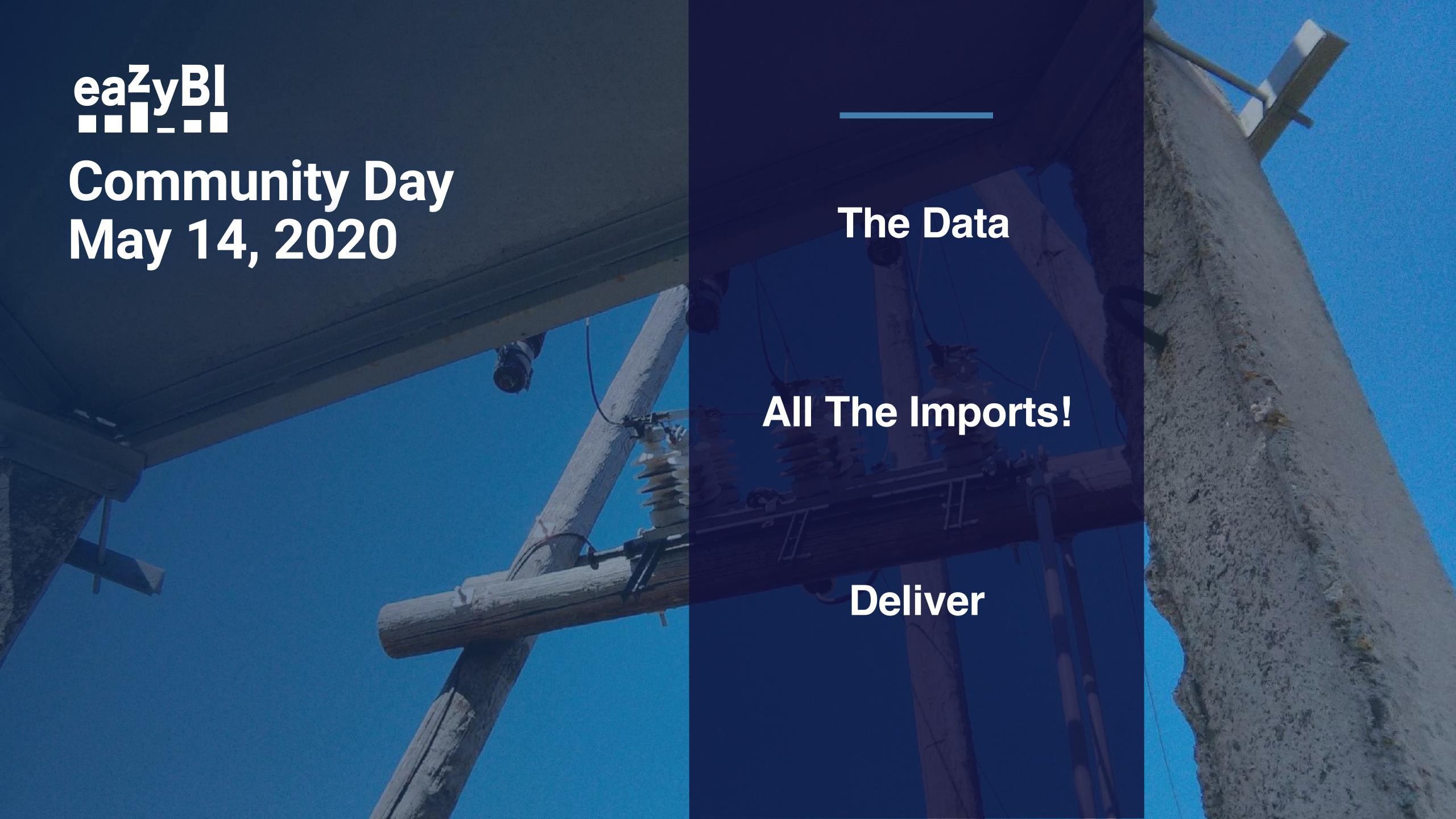
Roberts Čāčus

Additional data imports
won't break my bones

Roberts Čāčus

eaZyBI

Community Day
May 14, 2020

The Data

All The Imports!

Deliver

The Data

ATLASSIAN

Jira

Jira Software

Jira Service Desk

Jira Core

ATLASSIAN

Jira

- Jira Software
- Jira Service Desk
- Jira Core

JIRA APPS

TEMPO

insight

PROFIELDS
DEISER

ZEPHYR
Real-Time Test Management

Xray
for JIRA

Adaptavist Test Management
for JIRA Server

DATA SOURCES

Atlassian

Jira
- Jira Software
- Jira Service Desk
- Jira Core

TEMPO insight PROFIELDS DEISER

ZEPHYR Real-Time Test Management Xray for JIRA Adaptavist Test Management for JIRA Server

Basecamp Highrise HARVEST zendesk FRESHBOOKS cloud accounting

MySQL PostgreSQL Microsoft SQL Server ORACLE

git {REST} Google Sheets CSV Excel

Dashboards ∨ Projects ∨ Issues ∨ Profields ∨ Boards ∨ Portfolio ∨ CRM Insight ∨ eazyBI **Create**

Search 🔍 🔔 ❓ ⚙ 👤

Electrical Distribution Network Schema
No description

Search objects ▾ **Overview** Graph Object Schema ∨

Search object types 🔍

- 📊 Substation (54)
  - ∞ HV/MV Transformer (121)
  - Substation Switch (542)
    - MV Line (1151)
      - Line Switch (355)
      - Transformer Substation (35121)
        - ∞ MV/LV Transformer (54233)
        - LV Line (112454)

MV Line
No description

Create Object **Objects** Attributes Graph Object Ty

Filter Search ▾ 🔍 Advanced

25 ∨ ⚙ ∨

Name ↑

A07

A09

A10

A13

A14

A19

A20

A45

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07

✏ Edit 💬 Comment More ∨ ⊕ Object Graph

👁 Watch

∨ **Details**

Name 🏷	🔷 A07
Substation	📊 AS12
Substation Switch	L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

∨ **Activity**

Comments **History**

Created	Type	Actor	Attribute	Old value	New value
11/May/20 8:51	Added Value	👤 Adam West	Last Inspection		Thu, 15 Mar 2018
11/May/20 8:51	Added Value	👤 Adam West	Last Maintenance		Fri, 9 Sep 2011
11/May/20 8:51	Added Value	👤 Adam West	Built		Mon, 11 Oct 1971

∨ **Dates**

Built	11/Oct/71
Last Maintenance	09/Sep/11
Last Inspection	15/Mar/18
Created	24/Mar/20 19:16
Updated	11/May/20 8:51

› Inbound References

› Attachments

∨ Connected Jira issues

Filter: **Unresolved**

☑ DSM-5 A07 — APPROVED
inspection

☑ PINE-283 Overhead line A07 wooden pole — IN PROGRESS
change, maintenance

Electrical Distribution Network Schema
No description

Search objects   Overview   Graph   Object Schema ∨

Search object types

MV Line
No description   Create Object   Objects   Attributes   Graph   Object Ty

- Substation (54)
  - HV/MV Transformer (121)
  - Substation Switch (542)
    - MV Line (1151)
      - Line Switch (355)
      - Transformer Substation (35121)
        - MV/LV Transformer (54233)
        - LV Line (112454)

Filter Search ∨   🔍   Advanced   25 ∨   ⚙ ∨

Name ↑   Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07   **A07**

A09   ✏ Edit   💬 Comment   More ∨   ⊕ Object Graph   👁 Watch

A10   ∨ Details   ∨ Dates

             Name 🏷   🔅 A07   Built   11/Oct/71
A13   Substation   📊 AS12   Last   09/Sep/11
                                                          Maintenance
             Substation Switch   🔳 L7#AS12   Last   15/Mar/18
A14   Overhead   69.35 km   Inspection
             Underground Cable   3.65 km   Created   24/Mar/20 19:16
A19   Total Length   73.0 km   Updated   11/May/20 8:51

             ∨ Activity   > Inbound References
A20
             Comments   History   > Attachments

             Created   Type   Actor   Attribute   Old value   New value   ∨ Connected Jira issues
A45
             11/May/20   Added   👤Adam   Last   Thu, 15 Mar   Filter: **Unresolved**
             8:51   Value   West   Inspection   2018
                                                                                    ☑DSM-5 A07   ∨ APPROVED
             11/May/20   Added   👤Adam   Last   Fri, 9 Sep 2   inspection
             8:51   Value   West   Maintenance   011
                                                                                    ☑PINE-   IN PROGRESS
             11/May/20   Added   👤Adam   Built   Mon, 11 Oct   283 Overhead line A07 wooden pole
             8:51   Value   West   1971   change, maintenance

Electrical Distribution Network Schema
No description

Search objects ▾ | Overview | Graph | Object Schema ⌄

Search object types   🔍

- 📊 Substation (54)
- ∞ HV/MV Transformer (121)
- ⚙ Substation Switch (542)
  - ⚛ MV Line (1151)
    - ▦ Line Switch (355)
    - ⚛ Transformer Substation (35121)
      - ∞ MV/LV Transformer (54233)
      - ⚛ LV Line (112454)

MV Line
No description

Create Object   Objects   Attributes   Graph   Object Ty

Filter Search ▾   🔍   Advanced   25   ⌄   ⚙ ▾

Name ↑
⚛ A07
⚛ A09
⚛ A10
⚛ A13
⚛ A14
⚛ A19
⚛ A20
⚛ A45

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07

✏ Edit   💬 Comment   More ⌄   ⊕ Object Graph   👁 Watch

⌄ **Details**

Name 🏷	⚛ A07
Substation	📊 AS12
Substation Switch	⚙ L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

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Created	Type	Actor	Attribute	Old value	New value
11/May/20 8:51	Added Value	Adam West	Last Inspection		Thu, 15 Mar 2018
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11/May/20 8:51	Added Value	Adam West	Built		Mon, 11 Oct 1971

⌄ **Dates**

Built	11/Oct/71
Last Maintenance	09/Sep/11
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> Inbound References

> Attachments

⌄ Connected Jira issues

Filter: **Unresolved**

☑ DSM-5 A07 inspection   ⌄ APPROVED

☑ PINE-283 Overhead line A07 wooden pole change, maintenance   IN PROGRESS

Electrical Distribution Network Schema
No description

Search objects | Overview   Graph   Object Schema ⌄

Substation (54)
- ∞ HV/MV Transformer (121)
- 🎚 Substation Switch (542)
  - ⁂ MV Line (1151)
    - ▦ Line Switch (355)
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MV Line
No description

Create Object   Objects   Attributes   Graph   Object T...

Filter Search ⌄   🔍   Advanced   25 ⌄   ⚙ ⌄

Name ↑
⁂ A07
⁂ A09
⁂ A10
⁂ A13
⁂ A14
⁂ A19
⁂ A20
⁂ A45

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07

✏ Edit   🔍 Comment   More ⌄   ⊕ Object Graph   🖨 ▦   👁 Watch 0

⌄ Details

Name 🏷	⁂ A07
Substation	📊 AS12
Substation Switch	🎚 L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

⌄ Activity

Comments   **History**

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11/May/20 8:51	Added Value	😺 Adam West	Built		Mon, 11 Oct 1971

⌄ Dates

Built	11/Oct/71
Last Maintenance	09/Sep/11
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> Inbound References

> Attachments

⌄ Connected Jira issues

Filter: **Unresolved**

☑ DSM-5 A07 inspection   ⌄ APPROVED

☑ PINE-283 Overhead line A07 wooden pole change, maintenance   = IN PROGRESS

INSIGHT

Asset attributes
Other connected asset links,
manual input fields, dates

Asset history
Who did what and when?

Connected Jira
issues
View the Jira issues were this
asset has been selected in a
Insight custom field

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438
A07

Edit   Comment   More ▾   Object Graph   Watch 0

⌄ Details

Name 🏷	⁂ A07
Substation	🏭 AS12
Substation Switch	L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
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⌄ Activity

Comments   **History**

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11/May/20 8:51	Added Value	🐻 Adam West	Built		Mon, 11 Oct 1971

⌄ Dates

Built	11/Oct/71
Last Maintenance	09/Sep/11
Last Inspection	15/Mar/18
Created	24/Mar/20 19:16
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› Inbound References

› Attachments

⌄ Connected Jira issues
Filter: **Unresolved**

☑ DSM-5   A07   ⌄ APPROVED
inspection

☑ PINE-   — IN PROGRESS
283   Overhead line A07 wooden pole
change, maintenance

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Asset attributes
Other connected asset links, manual input fields, dates

Asset history
Who did what and when?

Connected Jira issues
View the Jira issues were this asset has been selected in a Insight custom field

---

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07

[✏ Edit] [🗨 Comment] [More ⌄] [ⓟ Object Graph]   🖨 ▦ [👁 Watch 0]

⌄ Details

Name 🏷		🔹 A07
Substation		🏭 AS12
Substation Switch		🎚 L7#AS12
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Built	11/Oct/71
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› Inbound References

› Attachments

⌄ Connected Jira issues
Filter: **Unresolved**

☑ DSM-5 A07   ⌄ APPROVED
inspection

☑ PINE-283 Overhead line A07 wooden pole   ▬ IN PROGRESS
change, maintenance

INSIGHT

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Other connected asset links, manual input fields, dates

Asset history
Who did what and when?

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View the Jira issues were this asset has been selected in a Insight custom field

---

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438
A07

✎ Edit   ◯ Comment   More ⌄   ⊕ Object Graph   🖨 ⬛ QR   👁 Watch 0

⌄ Details

Name 🏷	⁂ A07
Substation	🏭 AS12
Substation Switch	🎛 L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

⌄ Dates

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> Attachments

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| Comments | **History** |

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⌄ Connected Jira issues

Filter: **Unresolved**

☑ DSM-5 A07 inspection   ⌄ APPROVED

☑ PINE-283 Overhead line A07 wooden pole change, maintenance   ▬ IN PROGRESS

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View the Jira issues were this asset has been selected in a Insight custom field

Electrical Distribution Network Schema / .. / MV Line / EDNS-13438

A07

[Edit] [Comment] [More ⌄] [Object Graph]   [Watch 0]

⌄ Details

Name 🏷	A07
Substation	AS12
Substation Switch	L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

⌄ Dates

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⌄ Connected Jira issues

Filter: **Unresolved**

☑ DSM-5 A07 inspection   ⌄ APPROVED

☑ PINE-283 Overhead line A07 wooden pole change, maintenance   ═ IN PROGRESS

Search

Configure Insight Custom Field - Construction Object (customfield_13401)

⚠ This custom field type is deprecated. Please consider using the default custom field 'Insight Object/s' instead.

Scope

Object Schema	**Electrical Distribution Network Schema**	ⓘ
Object Type root	**Not configured**	ⓘ
Additional Filter Scope (IQL)	**Not configured**	ⓘ
Filter Issue Scope (IQL)	**Not configured**	ⓘ
Filter Assign Scope (IQL)	**Not configured**	ⓘ
Make Filter Assign Strict	☐	ⓘ
Restrict to User related objects	☐	ⓘ
Restrict to Project related objects	☐	ⓘ

User Interaction

Type of interaction	◉ Select ◯ Radio Button	ⓘ
Filter objects with attributes	Name ✕	ⓘ
Object attributes on Issue view	Substation ✕ Substation Switch ✕ Total Length ✕ Overhead ✕ Overhead Cable ✕ Underground Cable ✕ Built ✕	ⓘ

Service Desk

Show object picker on customer portals	☐	ⓘ
Force to show on Customer Issue details	☐	ⓘ

Configure **Insight Custom Field – Construction Object** (customfield_13401)

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Object Schema	**Electrical Distribution Network Schema**	ⓘ
Object Type root	**Not configured**	ⓘ
Additional Filter Scope (IQL)	**Not configured**	ⓘ
Filter Issue Scope (IQL)	**Not configured**	ⓘ
Filter Assign Scope (IQL)	**Not configured**	ⓘ
Make Filter Assign Strict	☐	ⓘ
Restrict to User related objects	☐	ⓘ
Restrict to Project related objects	☐	ⓘ

User Interaction

Type of interaction	🔘 Select ⚪ Radio Button	ⓘ
Filter objects with attributes	Name ✕	ⓘ
Object attributes on Issue view	Substation ✕ Substation Switch ✕ Total Length ✕ Overhead ✕ Overhead Cable ✕ Underground Cable ✕ Built ✕	ⓘ

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Show object picker on customer portals	☐	ⓘ
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Filter Assign Scope (IQL)	**Not configured**	ⓘ
Make Filter Assign Strict	☐	ⓘ
Restrict to User related objects	☐	ⓘ
Restrict to Project related objects	☐	ⓘ

User Interaction

Type of interaction	⦿ Select	ⓘ
	◯ Radio Button	
Filter objects with attributes	Name ✕ ⌄	ⓘ
Object attributes on Issue view	Substation ✕ Substation Switch ✕ Total Length ✕ Overhead ✕ Overhead Cable ✕ Underground Cable ✕ Built ✕ ⌄	ⓘ

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Filter Issue Scope (IQL)	**Not configured**	ⓘ
Filter Assign Scope (IQL)	**Not configured**	ⓘ
Make Filter Assign Strict	☐	ⓘ
Restrict to User related objects	☐	ⓘ
Restrict to Project related objects	☐	ⓘ

User Interaction

Type of interaction	⦿ Select ◯ Radio Button	ⓘ
Filter objects with attributes	Name ×	ⓘ
Object attributes on Issue view	Substation × Substation Switch × Total Length × Overhead × Overhead Cable × Underground Cable × Built ×	ⓘ

Service Desk

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Force to show on Customer Issue details	☐	ⓘ

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Make Filter Assign Strict	☐	ⓘ
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Restrict to Project related objects	☐	ⓘ

User Interaction

Type of interaction	◉ Select ◯ Radio Button	ⓘ
Filter objects with attributes	Name ✕	ⓘ
Object attributes on Issue view	Substation ✕ Substation Switch ✕ Total Length ✕ Overhead ✕ Overhead Cable ✕ Underground Cable ✕ Built ✕	ⓘ

Service Desk

Show object picker on customer portals	☐	ⓘ
Force to show on Customer Issue details	☐	ⓘ

Jira issues

Power Line maintenance / PINE-283

Overhead line A07 wooden pole change, maintenance

✎ Edit   💬 Comment   Assign   More ˅   Stop Progress   Done   Admin ˅   ⌕ Share   ⬆ Export ˅

˅ Details

Type:	☑ Task	Status:	**IN PROGRESS** (View Workflow)
Priority:	═ Medium	Resolution:	Unresolved
Component/s:	Reconstruction		
Labels:	None		
Construction area:	Latgale region		
Estimated Cost:	360,000		
Construction Object:			

A07	
Built	11/Oct/71
Substation	📊 AS12
Substation Switch	🔢 L7#AS12
Overhead	69.35 km
Underground Cable	3.65 km
Total Length	73.0 km

˅ People

Assignee:	🐻 Adam West
Reporter:	🔵 Duncan Snow
Votes:	⓪ Vote for this issue
Watchers:	① Stop watching this issue

˅ Dates

Due:	29.10.2021
Created:	18.10.2019 19:49
Updated:	12.05.2020 07:57

˅ Description

Before reconstruction, the point cloud data have to be classified and extract the power-line points. Axelsson introduced a method of three steps to extracting power-line points: separation of ground surface; classification of objects in power-lines and vegetation; and refining classification of power-lines. Anna Linda

˅ Attachments

⋯

☁ Drop files to attach, or browse.

Search

Power Line maintenance / PINE-283

Overhead line A07 wooden pole change, maintenance

✏ Edit   💬 Comment   Assign   More ⌄   Stop Progress   Done   Admin ⌄

⤴ Share   📤 Export ⌄

⌄ Details

Type:	☑ Task	Status:	**IN PROGRESS** (View Workflow)
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A07

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⌄ Attachments

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⌄ People

Assignee:	🐻 Adam West
Reporter:	🔵 Duncan Snow
Votes:	0 Vote for this issue
Watchers:	1 Stop watching this issue

⌄ Dates

Due:	29.10.2021
Created:	18.10.2019 19:49
Updated:	12.05.2020 07:57

Overhead line A07 wooden pole change, maintenance

Edit   Comment   Assign   More ∨   Stop Progress   Done   Admin ∨   ⌁ Share   ⬆ Export ∨

∨ Details

Type:	☑ Task	Status:	**IN PROGRESS** (View Workflow)
Priority:	═ Medium	Resolution:	Unresolved
Component/s:	Reconstruction		
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Construction area:	Latgale region		
Estimated Cost:	360,000		

Construction Object:

⁘ A07	
Built	11/Oct/71
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∨ People

Assignee:	Adam West
Reporter:	Duncan Snow
Votes:	0 Vote for this issue
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∨ Attachments

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Drop files to attach, or browse.

Overhead line A07 wooden pole change, maintenance

Edit   Comment   Assign   More ∨   Stop Progress   Done   Admin ∨   Export ∨

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Type:	☑ Task	Status:	**IN PROGRESS** (View Workflow)
Priority:	═ Medium	Resolution:	Unresolved
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Assignee:	Adam West
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∨ Attachments

Drop files to attach, or browse.

Fault data from an external database

SCADA system information on faults in the electrical distribution network

- calc_meter_data
- calc_meter_dat...
- customer_info
- MV_fault_data
- MV_fault_data_3
- MV_fault_data_4
- MV_fault_data_5
- MV_fault_data_All
- MV_fault_data_...
- scada_module_...
- scada_module_...
- scada_module_...
- scada_module_...

fault_id	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints
100301	A45	2017-01-03 13:20:46	2017-01-03 15:39:18	8312	225	20572.2	0
100302	A06	2017-01-03 21:54:39	2017-01-04 04:30:57	23778	258	67482	3
100303	A51	2017-01-04 06:05:39	2017-01-04 07:06:59	3680	22	890.56	0
100304	A02	2017-01-08 18:23:21	2017-01-08 23:38:34	18913	58	12066.5	0
100305	A04	2017-01-09 08:08:03	2017-01-09 14:49:51	24108	40	10607.5	0
100306	A02	2017-01-10 04:53:00	2017-01-10 06:25:20	5540	433	26387	4
100307	A01	2017-01-15 10:58:27	2017-01-15 17:01:51	21804	66	15829.7	0
100308	A11	2017-01-15 22:45:57	2017-01-16 01:51:39	11142	42	5147.6	0
100309	A19	2017-01-17 03:06:22	2017-01-17 06:16:25	11403	13	1630.63	0
100310	A08	2017-01-17 20:39:46	2017-01-18 02:22:23	20557	484	109445	3
100311	A02	2017-01-18 19:03:09	2017-01-19 01:54:43	24694	158	42918.2	1
100312	A01	2017-01-18 22:41:51	2017-01-19 02:07:57	12366	326	44344.5	3
100313	A59	2017-01-19 08:34:34	2017-01-19 14:53:49	22755	170	42551.9	1
100314	A51	2017-01-19 10:09:32	2017-01-19 11:34:53	5121	0	0	0
100315	A12	2017-01-20 03:54:53	2017-01-20 10:02:44	22071	76	18451.4	0
100316	A13	2017-01-20 04:37:35	2017-01-20 08:24:51	13636	143	21449.4	1
100317	A51	2017-01-23 03:56:58	2017-01-23 06:48:27	10289	257	29087	1
100318	A51	2017-01-24 12:07:55	2017-01-24 18:47:11	23956	516	135974	2
100319	A45	2017-01-24 22:46:10	2017-01-25 01:50:10	11040	565	68613.6	2
100320	A03	2017-01-25 19:42:01	2017-01-25 20:57:34	4533	173	8626.3	0
100321	A14	2017-01-27 04:27:53	2017-01-27 11:47:47	26394	173	50227.8	0
100322	A59	2017-01-27 12:45:33	2017-01-27 20:28:00	27747	54	16481.7	0
100323	A08	2017-01-28 05:37:57	2017-01-28 10:49:07	18670	182	37377.3	0
100324	A02	2017-01-29 14:39:12	2017-01-29 15:55:23	4571	533	26799.8	4
100325	A04	2017-01-31 04:47:44	2017-01-31 08:00:18	11554	399	50710.5	0
100326	A09	2017-02-01 05:57:59	2017-02-01 09:10:52	11573	440	56013.3	2
100327	A14	2017-02-03 16:17:58	2017-02-03 20:36:18	15500	282	48081	1

- calc_meter_data
- calc_meter_dat...
- customer_info
- MV_fault_data
- MV_fault_data_3
- MV_fault_data_4
- MV_fault_data_5
- MV_fault_data_All
- MV_fault_data_...
- scada_module_...
- scada_module_...
- scada_module_...
- scada_module_...

Search: fault_id = 🔍

fault_id	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints
100301	A45	2017-01-03 13:20:46	2017-01-03 15:39:18	8312	225	20572.2	0
100302	A06	2017-01-03 21:54:39	2017-01-04 04:30:57	23778	258	67482	3
100303	A51	2017-01-04 06:05:39	2017-01-04 07:06:59	3680	22	890.56	0
100304	A02	2017-01-08 18:23:21	2017-01-08 23:38:34	18913	58	12066.5	0
100305	A04	2017-01-09 08:08:03	2017-01-09 14:49:51	24108	40	10607.5	0
100306	A02	2017-01-10 04:53:00	2017-01-10 06:25:20	5540	433	26387	4
100307	A01	2017-01-15 10:58:27	2017-01-15 17:01:51	21804	66	15829.7	0
100308	A11	2017-01-15 22:45:57	2017-01-16 01:51:39	11142	42	5147.6	0
100309	A19	2017-01-17 03:06:22	2017-01-17 06:16:25	11403	13	1630.63	0
100310	A08	2017-01-17 20:39:46	2017-01-18 02:22:23	20557	484	109445	3
100311	A02	2017-01-18 19:03:09	2017-01-19 01:54:43	24694	158	42918.2	1
100312	A01	2017-01-18 22:41:51	2017-01-19 02:07:57	12366	326	44344.5	3
100313	A59	2017-01-19 08:34:34	2017-01-19 14:53:49	22755	170	42551.9	1
100314	A51	2017-01-19 10:09:32	2017-01-19 11:34:53	5121	0	0	0
100315	A12	2017-01-20 03:54:53	2017-01-20 10:02:44	22071	76	18451.4	0
100316	A13	2017-01-20 04:37:35	2017-01-20 08:24:51	13636	143	21449.4	1
100317	A51	2017-01-23 03:56:58	2017-01-23 06:48:27	10289	257	29087	1
100318	A51	2017-01-24 12:07:55	2017-01-24 18:47:11	23956	516	135974	2
100319	A45	2017-01-24 22:46:10	2017-01-25 01:50:10	11040	565	68613.6	2
100320	A03	2017-01-25 19:42:01	2017-01-25 20:57:34	4533	173	8626.3	0
100321	A14	2017-01-27 04:27:53	2017-01-27 11:47:47	26394	173	50227.8	0
100322	A59	2017-01-27 12:45:33	2017-01-27 20:28:00	27747	54	16481.7	0
100323	A08	2017-01-28 05:37:57	2017-01-28 10:49:07	18670	182	37377.3	0
100324	A02	2017-01-29 14:39:12	2017-01-29 15:55:23	4571	533	26799.8	4
100325	A04	2017-01-31 04:47:44	2017-01-31 08:00:18	11554	399	50710.5	0
100326	A09	2017-02-01 05:57:59	2017-02-01 09:10:52	11573	440	56013.3	2
100327	A14	2017-02-03 16:17:58	2017-02-03 20:36:18	15500	282	48081	1

calc_meter_data	
calc_meter_dat...	
customer_info	
MV_fault_data	
MV_fault_data_3	
MV_fault_data_4	
MV_fault_data_5	
MV_fault_data_All	
MV_fault_data_...	
scada_module_...	
scada_module_...	
scada_module_...	
scada_module_...	

Search: fault_id = Q

fault_id	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints
100301	A45	2017-01-03 13:20:46	2017-01-03 15:39:18	8312	225	20572.2	0
100302	A06	2017-01-03 21:54:39	2017-01-04 04:30:57	23778	258	67482	3
100303	A51	2017-01-04 06:05:39	2017-01-04 07:06:59	3680	22	890.56	0
100304	A02	2017-01-08 18:23:21	2017-01-08 23:38:34	18913	58	12066.5	0
100305	A04	2017-01-09 08:08:03	2017-01-09 14:49:51	24108	40	10607.5	0
100306	A02	2017-01-10 04:53:00	2017-01-10 06:25:20	5540	433	26387	4
100307	A01	2017-01-15 10:58:27	2017-01-15 17:01:51	21804	66	15829.7	0
100308	A11	2017-01-15 22:45:57	2017-01-16 01:51:39	11142	42	5147.6	0
100309	A19	2017-01-17 03:06:22	2017-01-17 06:16:25	11403	13	1630.63	0
100310	A08	2017-01-17 20:39:46	2017-01-18 02:22:23	20557	484	109445	3
100311	A02	2017-01-18 19:03:09	2017-01-19 01:54:43	24694	158	42918.2	1
100312	A01	2017-01-18 22:41:51	2017-01-19 02:07:57	12366	326	44344.5	3
100313	A59	2017-01-19 08:34:34	2017-01-19 14:53:49	22755	170	42551.9	1
100314	A51	2017-01-19 10:09:32	2017-01-19 11:34:53	5121	0	0	0
100315	A12	2017-01-20 03:54:53	2017-01-20 10:02:44	22071	76	18451.4	0
100316	A13	2017-01-20 04:37:35	2017-01-20 08:24:51	13636	143	21449.4	1
100317	A51	2017-01-23 03:56:58	2017-01-23 06:48:27	10289	257	29087	1
100318	A51	2017-01-24 12:07:55	2017-01-24 18:47:11	23956	516	135974	2
100319	A45	2017-01-24 22:46:10	2017-01-25 01:50:10	11040	565	68613.6	2
100320	A03	2017-01-25 19:42:01	2017-01-25 20:57:34	4533	173	8626.3	0
100321	A14	2017-01-27 04:27:53	2017-01-27 11:47:47	26394	173	50227.8	0
100322	A59	2017-01-27 12:45:33	2017-01-27 20:28:00	27747	54	16481.7	0
100323	A08	2017-01-28 05:37:57	2017-01-28 10:49:07	18670	182	37377.3	0
100324	A02	2017-01-29 14:39:12	2017-01-29 15:55:23	4571	533	26799.8	4
100325	A04	2017-01-31 04:47:44	2017-01-31 08:00:18	11554	399	50710.5	0
100326	A09	2017-02-01 05:57:59	2017-02-01 09:10:52	11573	440	56013.3	2
100327	A14	2017-02-03 16:17:58	2017-02-03 20:36:18	15500	282	48081	1

Search: fault_id | = | Q

	calc_meter_data
	calc_meter_dat...
	customer_info
	MV_fault_data
	MV_fault_data_3
	MV_fault_data_4
	MV_fault_data_5
	MV_fault_data_All
	MV_fault_data_...
	scada_module_...
	scada_module_...
	scada_module_...
	scada_module_...

fault_id	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints
100301	A45	2017-01-03 13:20:46	2017-01-03 15:39:18	8312	225	20572.2	0
100302	A06	2017-01-03 21:54:39	2017-01-04 04:30:57	23778	258	67482	3
100303	A51	2017-01-04 06:05:39	2017-01-04 07:06:59	3680	22	890.56	0
100304	A02	2017-01-08 18:23:21	2017-01-08 23:38:34	18913	58	12066.5	0
100305	A04	2017-01-09 08:08:03	2017-01-09 14:49:51	24108	40	10607.5	0
100306	A02	2017-01-10 04:53:00	2017-01-10 06:25:20	5540	433	26387	4
100307	A01	2017-01-15 10:58:27	2017-01-15 17:01:51	21804	66	15829.7	0
100308	A11	2017-01-15 22:45:57	2017-01-16 01:51:39	11142	42	5147.6	0
100309	A19	2017-01-17 03:06:22	2017-01-17 06:16:25	11403	13	1630.63	0
100310	A08	2017-01-17 20:39:46	2017-01-18 02:22:23	20557	484	109445	3
100311	A02	2017-01-18 19:03:09	2017-01-19 01:54:43	24694	158	42918.2	1
100312	A01	2017-01-18 22:41:51	2017-01-19 02:07:57	12366	326	44344.5	3
100313	A59	2017-01-19 08:34:34	2017-01-19 14:53:49	22755	170	42551.9	1
100314	A51	2017-01-19 10:09:32	2017-01-19 11:34:53	5121	0	0	0
100315	A12	2017-01-20 03:54:53	2017-01-20 10:02:44	22071	76	18451.4	0
100316	A13	2017-01-20 04:37:35	2017-01-20 08:24:51	13636	143	21449.4	1
100317	A51	2017-01-23 03:56:58	2017-01-23 06:48:27	10289	257	29087	1
100318	A51	2017-01-24 12:07:55	2017-01-24 18:47:11	23956	516	135974	2
100319	A45	2017-01-24 22:46:10	2017-01-25 01:50:10	11040	565	68613.6	2
100320	A03	2017-01-25 19:42:01	2017-01-25 20:57:34	4533	173	8626.3	0
100321	A14	2017-01-27 04:27:53	2017-01-27 11:47:47	26394	173	50227.8	0
100322	A59	2017-01-27 12:45:33	2017-01-27 20:28:00	27747	54	16481.7	0
100323	A08	2017-01-28 05:37:57	2017-01-28 10:49:07	18670	182	37377.3	0
100324	A02	2017-01-29 14:39:12	2017-01-29 15:55:23	4571	533	26799.8	4
100325	A04	2017-01-31 04:47:44	2017-01-31 08:00:18	11554	399	50710.5	0
100326	A09	2017-02-01 05:57:59	2017-02-01 09:10:52	11573	440	56013.3	2
100327	A14	2017-02-03 16:17:58	2017-02-03 20:36:18	15500	282	48081	1

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MV_fault_data_5
MV_fault_data_All
MV_fault_data_...
scada_module_...
scada_module_...
scada_module_...
scada_module_...

fault_id	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints
100301	A45	2017-01-03 13:20:46	2017-01-03 15:39:18	8312	225	20572.2	0
100302	A06	2017-01-03 21:54:39	2017-01-04 04:30:57	23778	258	67482	3
100303	A51	2017-01-04 06:05:39	2017-01-04 07:06:59	3680	22	890.56	0
100304	A02	2017-01-08 18:23:21	2017-01-08 23:38:34	18913	58	12066.5	0
100305	A04	2017-01-09 08:08:03	2017-01-09 14:49:51	24108	40	10607.5	0
100306	A02	2017-01-10 04:53:00	2017-01-10 06:25:20	5540	433	26387	4
100307	A01	2017-01-15 10:58:27	2017-01-15 17:01:51	21804	66	15829.7	0
100308	A11	2017-01-15 22:45:57	2017-01-16 01:51:39	11142	42	5147.6	0
100309	A19	2017-01-17 03:06:22	2017-01-17 06:16:25	11403	13	1630.63	0
100310	A08	2017-01-17 20:39:46	2017-01-18 02:22:23	20557	484	109445	3
100311	A02	2017-01-18 19:03:09	2017-01-19 01:54:43	24694	158	42918.2	1
100312	A01	2017-01-18 22:41:51	2017-01-19 02:07:57	12366	326	44344.5	3
100313	A59	2017-01-19 08:34:34	2017-01-19 14:53:49	22755	170	42551.9	1
100314	A51	2017-01-19 10:09:32	2017-01-19 11:34:53	5121	0	0	0
100315	A12	2017-01-20 03:54:53	2017-01-20 10:02:44	22071	76	18451.4	0
100316	A13	2017-01-20 04:37:35	2017-01-20 08:24:51	13636	143	21449.4	1
100317	A51	2017-01-23 03:56:58	2017-01-23 06:48:27	10289	257	29087	1
100318	A51	2017-01-24 12:07:55	2017-01-24 18:47:11	23956	516	135974	2
100319	A45	2017-01-24 22:46:10	2017-01-25 01:50:10	11040	565	68613.6	2
100320	A03	2017-01-25 19:42:01	2017-01-25 20:57:34	4533	173	8626.3	0
100321	A14	2017-01-27 04:27:53	2017-01-27 11:47:47	26394	173	50227.8	0
100322	A59	2017-01-27 12:45:33	2017-01-27 20:28:00	27747	54	16481.7	0
100323	A08	2017-01-28 05:37:57	2017-01-28 10:49:07	18670	182	37377.3	0
100324	A02	2017-01-29 14:39:12	2017-01-29 15:55:23	4571	533	26799.8	4
100325	A04	2017-01-31 04:47:44	2017-01-31 08:00:18	11554	399	50710.5	0
100326	A09	2017-02-01 05:57:59	2017-02-01 09:10:52	11573	440	56013.3	2
100327	A14	2017-02-03 16:17:58	2017-02-03 20:36:18	15500	282	48081	1

All The Imports!

Jira and Insight custom field import

Select the Jira project or projects, and the Insight custom field for import in the eazyBI import option

Jira import options

General   Add-ons   Custom fields   Additional options

Jira projects

Select Jira projects   ● Projects ○ Categories
Select individual Jira projects or project categories which you would like to import into eazyBI.

☐ Folio (FO)
☐ Help Desk (HD)
☐ Insight ITSM (II)
☐ IT Service desk (ISD)
☐ ITSM Project (IP)
☐ Kanban Development (KD)
☑ Power Line maintenance (PINE)
☐ Program overview (PO)
☐ Project Management (PM)
☐ Project Management Organization (PMO)
☐ Quality Assurance (QA)
☐ SC001 (SC1)

Select all   Clear selection

Statuses and history

Import issue change history   ☑ Import issue change history including issue status workflow transitions, remaining estimated hours changes, and selected custom field changes.

Closed statuses   Closed ✕

Select which statuses are final closed statuses – issues in these statuses will be counted in the Issues closed measure.

Jira and Insight custom field import

Select the Jira project or projects, and the Insight custom field for import in the eazyBI import option

Enable additional data mapping

eazyBI advanced settings

Import Jira data

```
[jira.customfield_NNNNN]

data_type = "string"

dimension = true

separate_table = true
```

Enable additional data mapping

eazyBI
advanced
settings
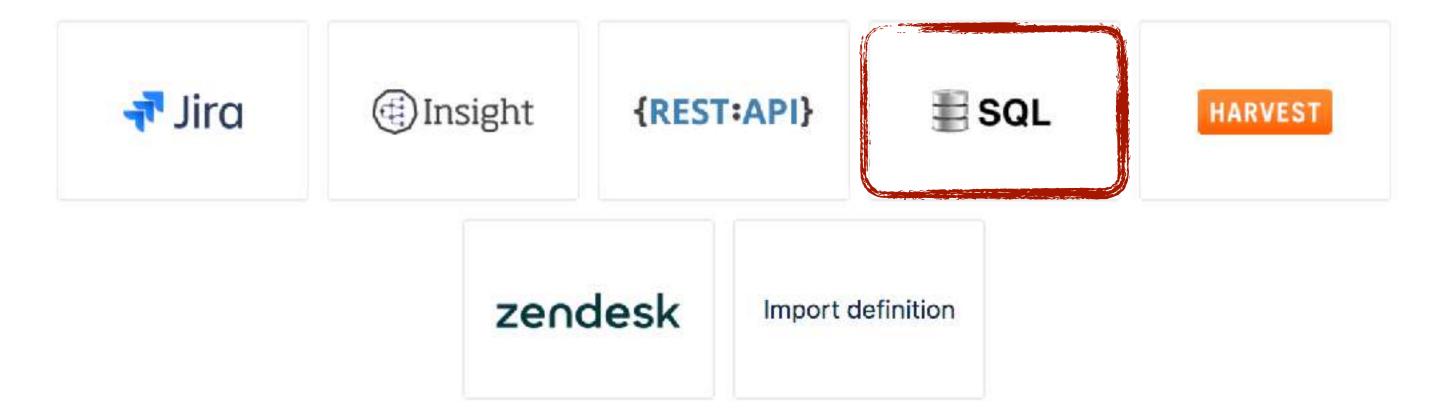
Import Jira data

IMPORT!

The additional data import into the Jira Issues cube

Adding the source data and mapping it to the Jira Issues cube

The additional data import into the Jira Issues cube

Adding the source data and mapping it to the Jira Issues cube

The additional data import into the Jira Issues cube
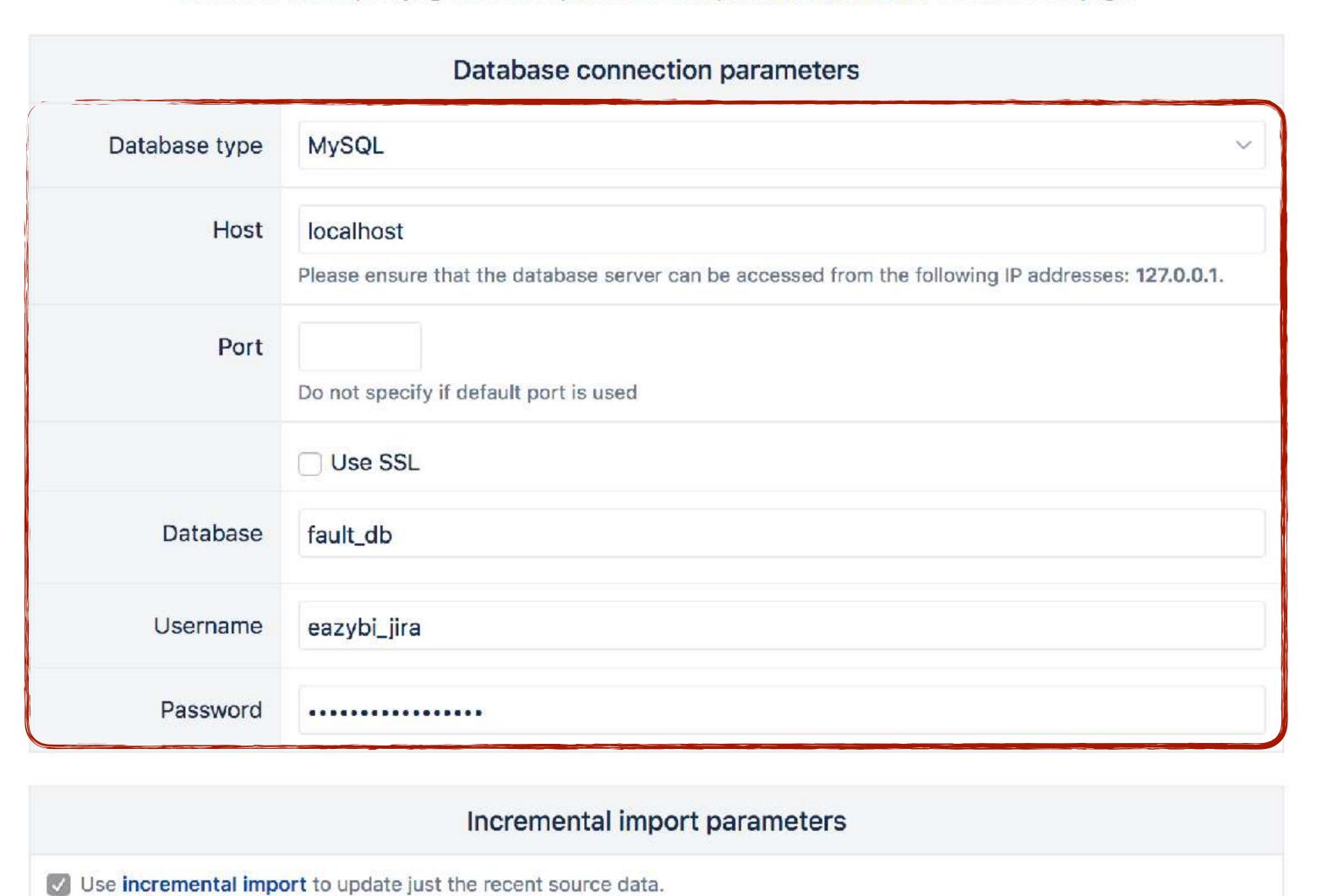
Adding the source data and mapping it to the Jira Issues cube

Incremental import parameters

☑ Use **incremental import** to update just the recent source data.

SQL SELECT statement

```
 1        Select fault_ID, fault_element,
 2          fault_start, fault_end,
 3          duration, affected_customers,
 4          non_dlivered_energy, complaints,
 5          1 as count, timestampdiff(second, fault_start, fault_end) as fault_duration
 6        From MV_fault_data_eazybi_import
 7        Where
 8        -- if incremental
 9          fault_start > DATE_SUB(CURDATE(), INTERVAL 3 DAY)
10        -- else
11          fault_end IS NOT NULL
12        -- end
```

Schedule

Regular import frequency | Default (every day) ⌄

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

Continue   or back

Data mapping

Data mapping

eazyBI | Home | **Source Data** | Analyze | Dashboards | ✈ Jira   EDN ⌄ ? ⌄ ⚙ ⌄ 🐱 ⌄

☐ **Cube:** Issues ⌄   **Start import** Clear columns mapping Back to edit

Select at first cube (or write new name) where to import data. Then for each column review (or change) data type and enter dimension which corresponds to this column. If several columns are mapped to the same dimension then either specify in advanced options column type (ID, key, name or property name) or map columns to different dimension hierarchy levels in in *Level or Measure* field. For measures specify *Measures* in *Dimension* field and measure name in *Level or Measure* field. If you want column to be ignored by import then leave dimension field blank. Please read more in columns mapping documentation page.

Generate default names | Hide unmapped columns   < >

Field name:	fault_ID	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints	count
Data type:	integer ⌄	string ⌄	datetime ⌄	datetime ⌄	integer ⌄	integer ⌄	decimal ⌄	integer ⌄	integer ⌄
Dimension:	⌄	Construction Objec ⌄	Time ⌄	⌄	Measures ⌄	Measures ⌄	Measures ⌄	Measures ⌄	Measures ⌄
Level or Measure:		Construction Objec ⌄			Fault duration ⌄	Fault affected cust ⌄	Fault non delivered ⌄	Fault complaints ⌄	Fault count ⌄
Advanced options:	Source ID column edit	Name column Skip missing edit			edit	edit	Scale **2** edit	edit	edit
	100,301	A45	Jan 03 2017 13:20:46	Jan 03 2017 15:39:18	8,312	225	20,572.20	0	1
	100,302	A06	Jan 03 2017 21:54:39	Jan 04 2017 04:30:57	23,778	258	67,482.00	3	1
	100,303	A51	Jan 04 2017 06:05:39	Jan 04 2017 07:06:59	3,680	22	890.56	0	1
	100,304	A02	Jan 08 2017 18:23:21	Jan 08 2017 23:38:34	18,913	58	12,066.50	0	1
	100,305	A04	Jan 09 2017 08:08:03	Jan 09 2017 14:49:51	24,108	40	10,607.50	0	1
	100,306	A02	Jan 10 2017 04:53:00	Jan 10 2017 06:25:20	5,540	433	26,387.00	4	1
	100,307	A01	Jan 15 2017 10:58:27	Jan 15 2017 17:01:51	21,804	66	15,829.70	0	1
	100,308	A11	Jan 15 2017	Jan 16 2017 01:51:39	11,142	42	5,147.60	0	1

Data mapping

Data mapping

Data mapping

Cube: Issues ⌄   **Start import**   Clear columns mapping   Back to edit

Select at first cube (or write new name) where to import data. Then for each column review (or change) data type and enter dimension which corresponds to this column. If several columns are mapped to the same dimension then either specify in advanced options column type (ID, key, name or property name) or map columns to different dimension hierarchy levels in in *Level or Measure* field. For measures specify *Measures* in *Dimension* field and measure name in *Level or Measure* field. If you want column to be ignored by import then leave dimension field blank. Please read more in columns mapping documentation page.

Generate default names   Hide unmapped columns   < >

Field name:	fault_ID	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints	count
Data type:	integer ⌄	string ⌄	datetime ⌄	datetime ⌄	integer ⌄	integer ⌄	decimal ⌄	integer ⌄	integer ⌄
Dimension:	⌄	Construction Objec ⌄	Time ⌄	⌄	Measures ⌄	Measures ⌄	Measures ⌄	Measures ⌄	Measures ⌄
Level or Measure:		Construction Objec ⌄			Fault duration ⌄	Fault affected cust ⌄	Fault non delivered ⌄	Fault complaints ⌄	Fault count ⌄
Advanced options:	Source ID column edit	Name column Skip missing edit			edit	edit	Scale **2** edit	edit	edit
	100,301	A45	Jan 03 2017 13:20:46	Jan 03 2017 15:39:18	8,312	225	20,572.20	0	1
	100,302	A06	Jan 03 2017 21:54:39	Jan 04 2017 04:30:57	23,778	258	67,482.00	3	1
	100,303	A51	Jan 04 2017 06:05:39	Jan 04 2017 07:06:59	3,680	22	890.56	0	1
	100,304	A02	Jan 08 2017 18:23:21	Jan 08 2017 23:38:34	18,913	58	12,066.50	0	1
	100,305	A04	Jan 09 2017 08:08:03	Jan 09 2017 14:49:51	24,108	40	10,607.50	0	1
	100,306	A02	Jan 10 2017 04:53:00	Jan 10 2017 06:25:20	5,540	433	26,387.00	4	1
	100,307	A01	Jan 15 2017 10:58:27	Jan 15 2017 17:01:51	21,804	66	15,829.70	0	1
	100,308	A11	Jan 15 2017	Jan 16 2017 01:51:39	11,142	42	5,147.60	0	1

Data mapping

Data mapping

📦 **Cube:** [Issues   ∨]   [Start import]   [Clear columns mapping]   [Back to edit]

Select at first cube (or write new name) where to import data. Then for each column review (or change) data type and enter dimension which corresponds to this column. If several columns are mapped to the same dimension then either specify in advanced options column type (ID, key, name or property name) or map columns to different dimension hierarchy levels in in *Level or Measure* field. For measures specify *Measures* in *Dimension* field and measure name in *Level or Measure* field. If you want column to be ignored by import then leave dimension field blank. Please read more in columns mapping documentation page.

[Generate default names]   [Hide unmapped columns]   [<]   [>]

Field name:	fault_ID	fault_element	fault_start	fault_end	duration	affected_customers	non_dlivered_energy	complaints	count
Data type:	integer ∨	string ∨	datetime ∨	datetime ∨	integer ∨	integer ∨	decimal ∨	integer ∨	integer ∨
Dimension:	∨	Construction Objec ∨	Time ∨	∨	Measures ∨	Measures ∨	Measures ∨	Measures ∨	Measures ∨
Level or Measure:		Construction Objec ∨			Fault duration ∨	Fault affected cust ∨	Fault non delivered ∨	Fault complaints ∨	Fault count ∨
Advanced options:	Source ID column edit	Name column Skip missing edit			edit	edit	Scale **2** edit	edit	edit
	100,301	A45	Jan 03 2017 13:20:46	Jan 03 2017 15:39:18	8,312	225	20,572.20	0	1
	100,302	A06	Jan 03 2017 21:54:39	Jan 04 2017 04:30:57	23,778	258	67,482.00	3	1
	100,303	A51	Jan 04 2017 06:05:39	Jan 04 2017 07:06:59	3,680	22	890.56	0	1
	100,304	A02	Jan 08 2017 18:23:21	Jan 08 2017 23:38:34	18,913	58	12,066.50	0	1
	100,305	A04	Jan 09 2017 08:08:03	Jan 09 2017 14:49:51	24,108	40	10,607.50	0	1
	100,306	A02	Jan 10 2017 04:53:00	Jan 10 2017 06:25:20	5,540	433	26,387.00	4	1
	100,307	A01	Jan 15 2017 10:58:27	Jan 15 2017 17:01:51	21,804	66	15,829.70	0	1
	100,308	A11	Jan 15 2017	Jan 16 2017 01:51:39	11,142	42	5,147.60	0	1

Data mapping

Source Applications 2   Source Files

Application	Source selection	Created	Cube	Status	Actions
🗄 **SQL**	Host: localhost MySQL database: fault_db Username: root Select fault_ID, fault_element, fault... From MV_fault_dat...	14 minutes ago	Issues	Imported less than a minute ago	Import Edit ⋯
🔷 Jira	http://jira87.internal:8870 User: admin Projects: PINE	19 minutes ago	Issues	Imported less than a minute ago	Import Edit ⋯

To refresh data now, press the **Import** button. If you have **scheduled regular** automatic data imports, they still will be performed at the scheduled time.

Add new source application

Deliver
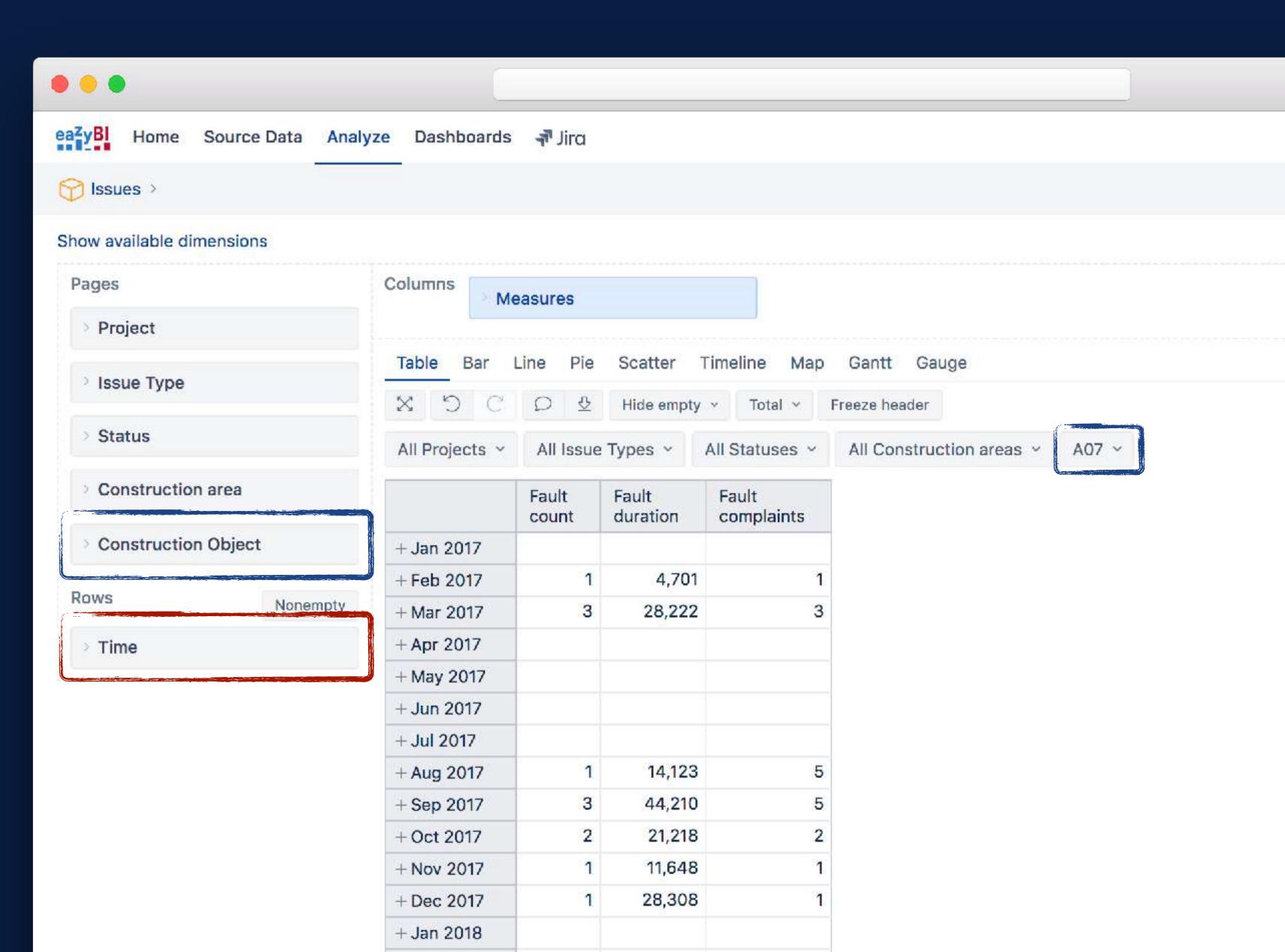
Measures from the additional data import

# MEASURES FROM THE ADDITIONAL DATA IMPORT

Dimensions
Measures from the additional data import will work in detailed level only with the dimensions they were linked to in mapping

Context
You can change the context set by the report with DefaultContext() or Default members

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Changing context

Additionally
imported
measures
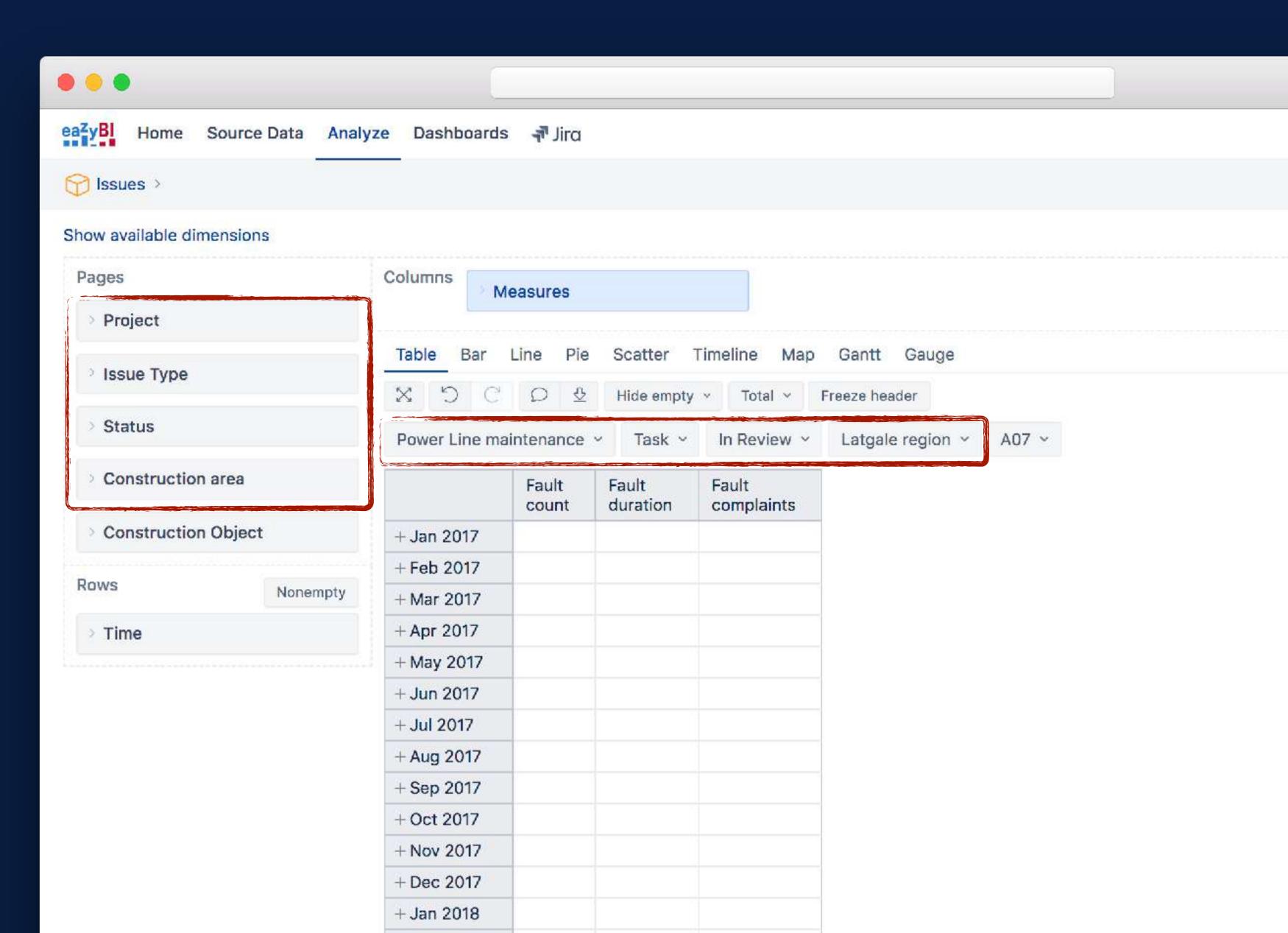
Jira issues
measures

```
--Fault count default

DefaultContext((

    [Measures].[Fault count],

    [Time].CurrentHierarchyMember,

    [Construction Object].CurrentMember

))
```
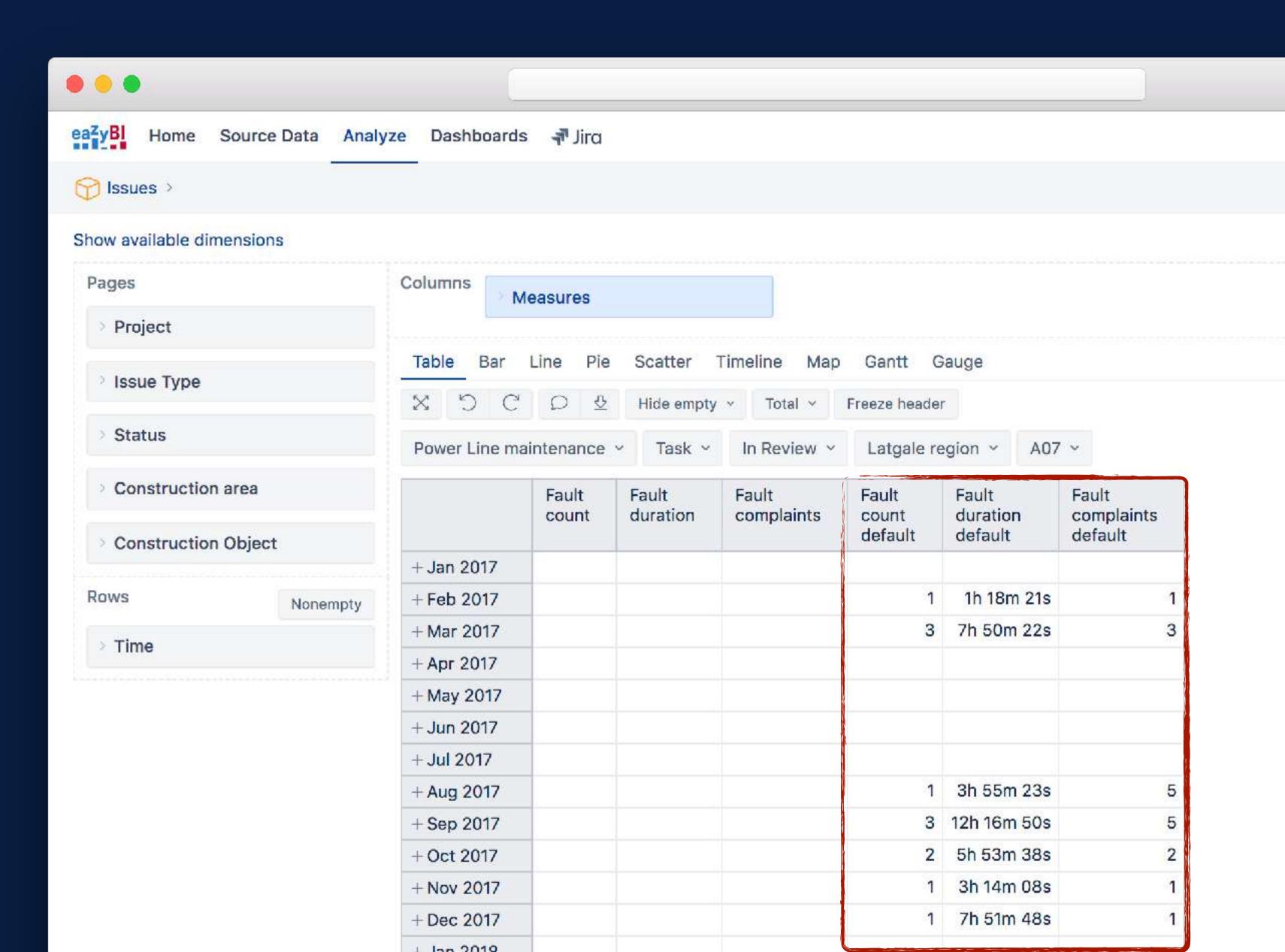
MEASURES FROM THE ADDITIONAL DATA IMPORT

Dimensions
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Changing context

Additionally imported measures

Jira issues measures

```
--Issues default created

([Measures].[Issues created],

[Time].CurrentHierarchy.DefaultMember)




--Estimated  cost default

([Measures].[Estimated Cost created],

[Time].CurrentHierarchy.DefaultMember)
```

FAULT COUNT VS ESTIMATED COST

Measures
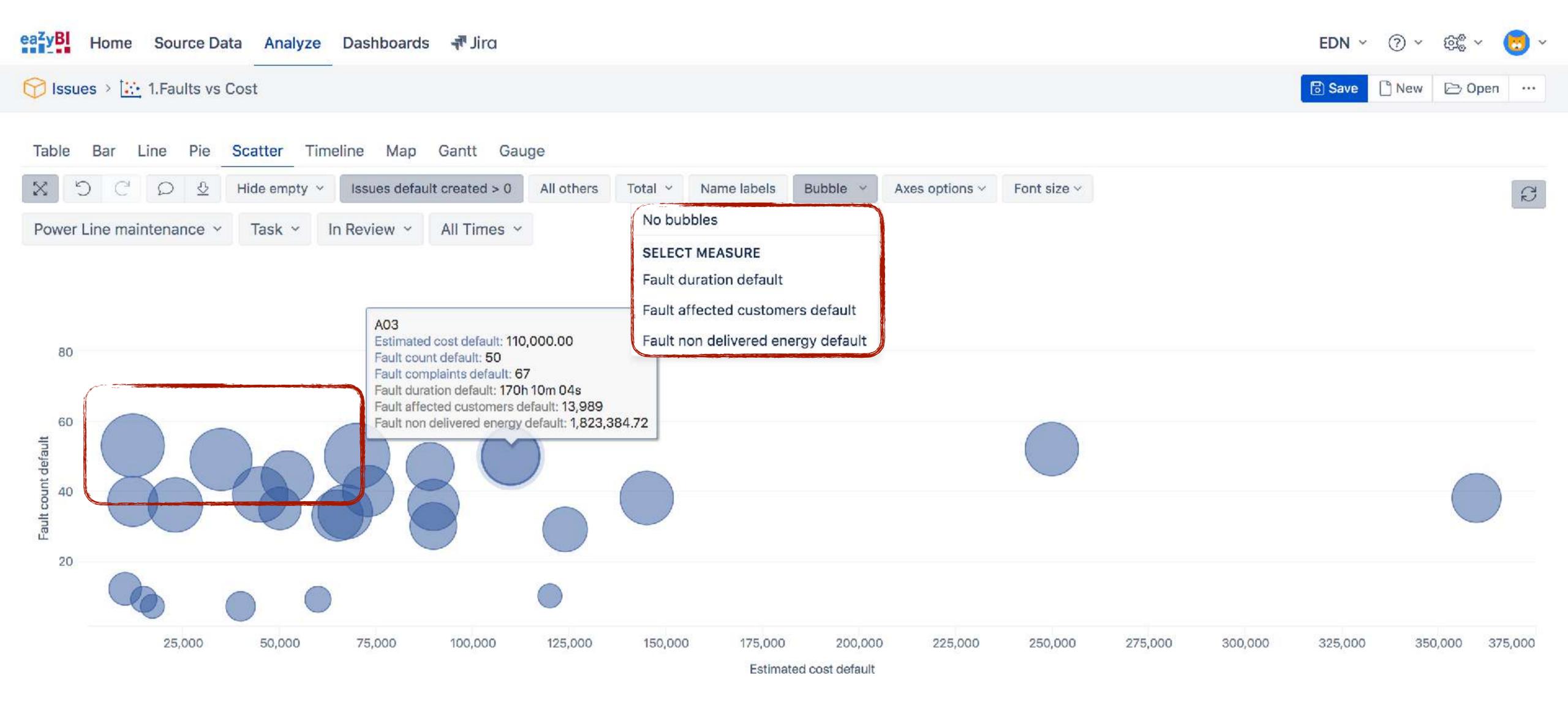The first two measures in a Scatter chart from the X and Y axes
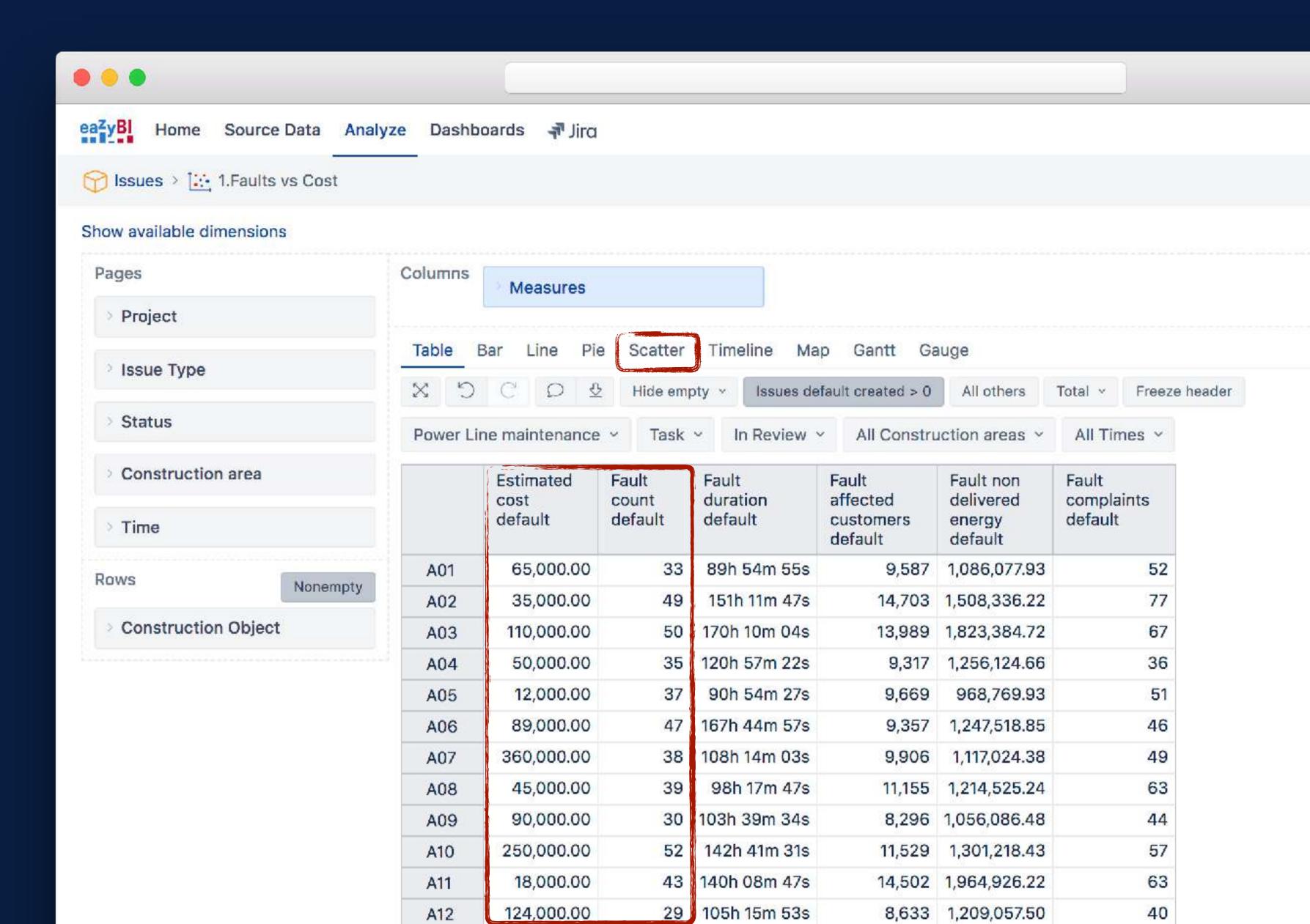
Bubble chart
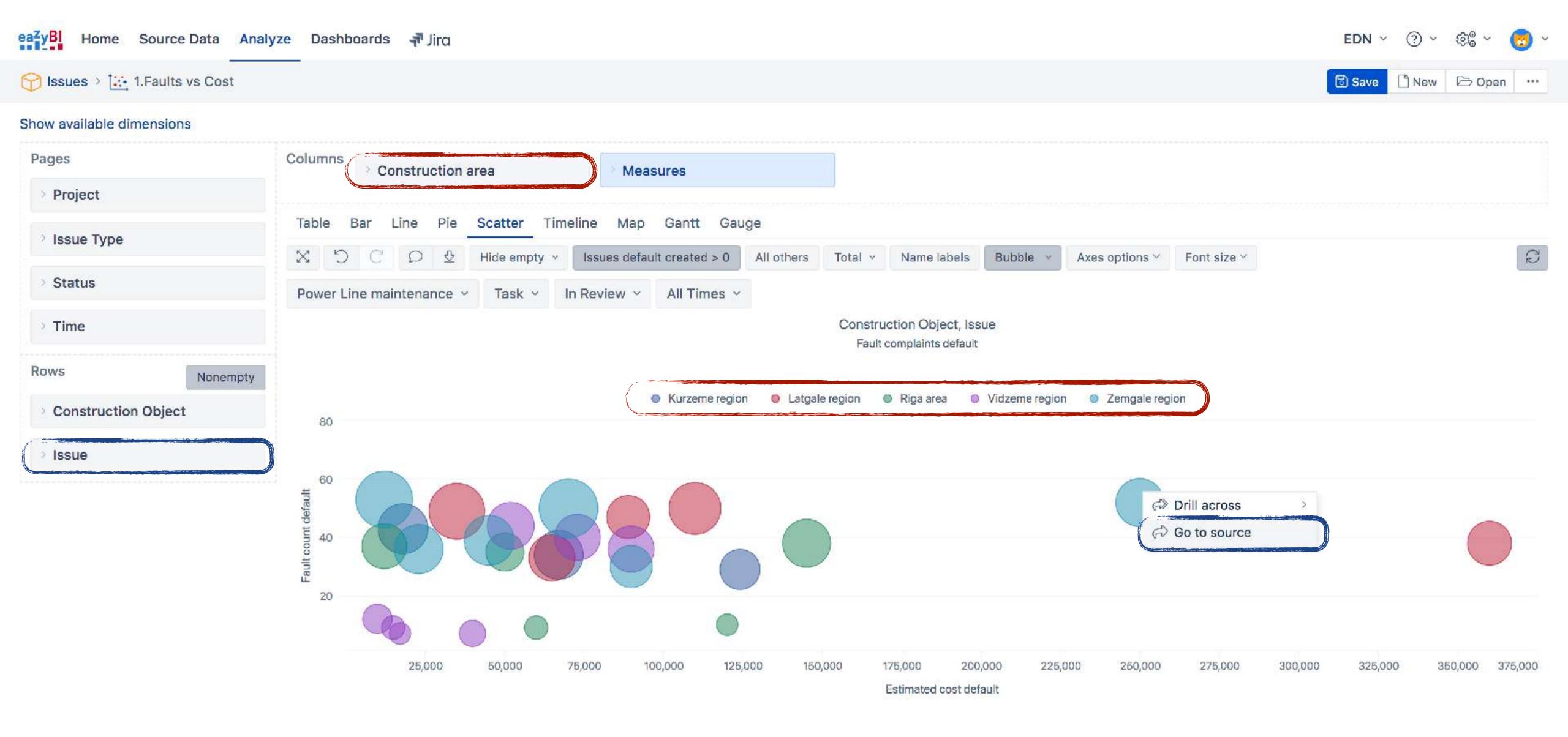Other measures can be used to form bubbles.

Bubble size
Bubble size is relevant to the value of the selected measure

FAULT COUNT VS ESTIMATED COST

FAULT COUNT VS ESTIMATED COST
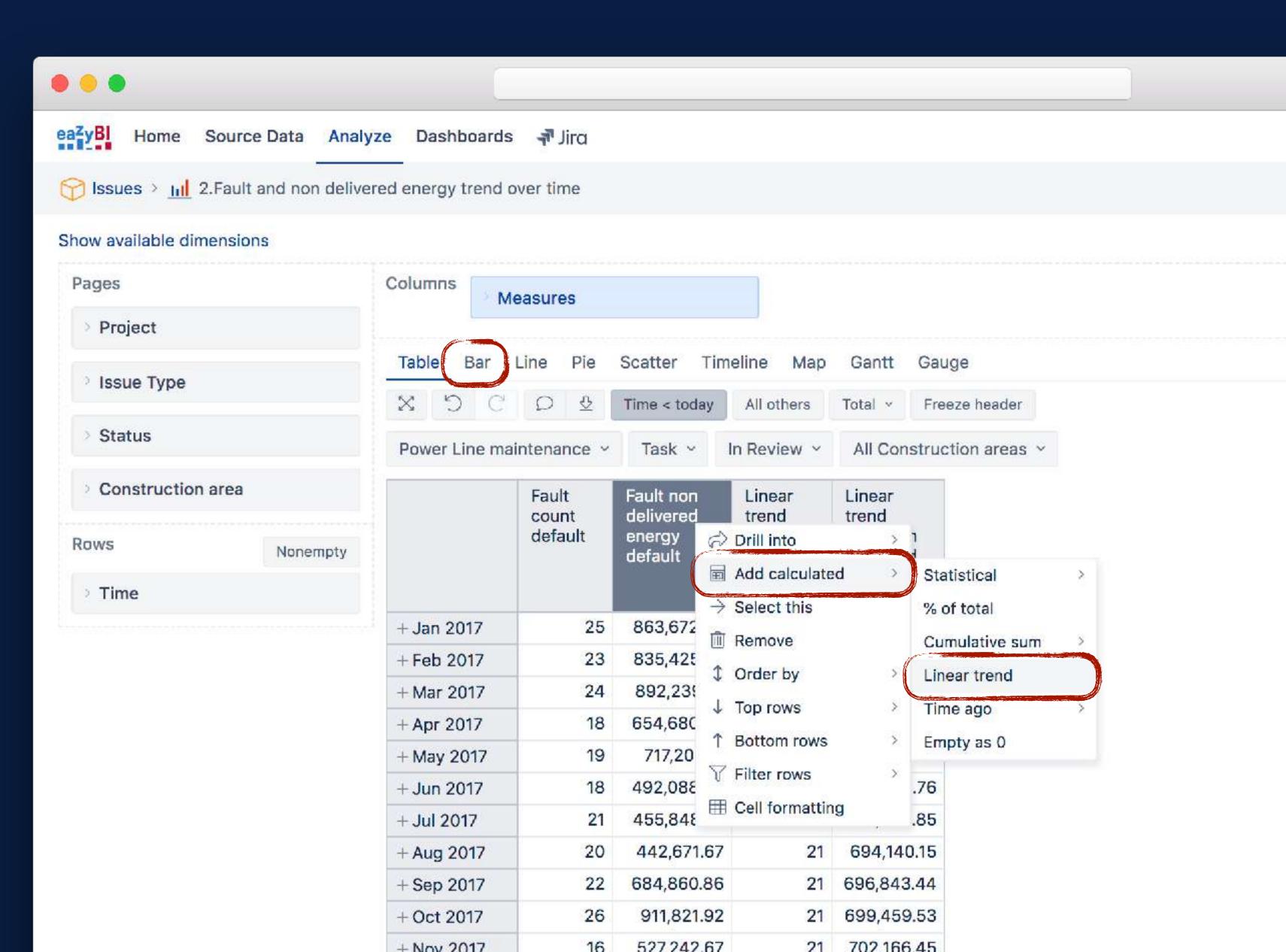
FAULT COUNT AND NON DELIVERED ENERGY TREND

Bar chart
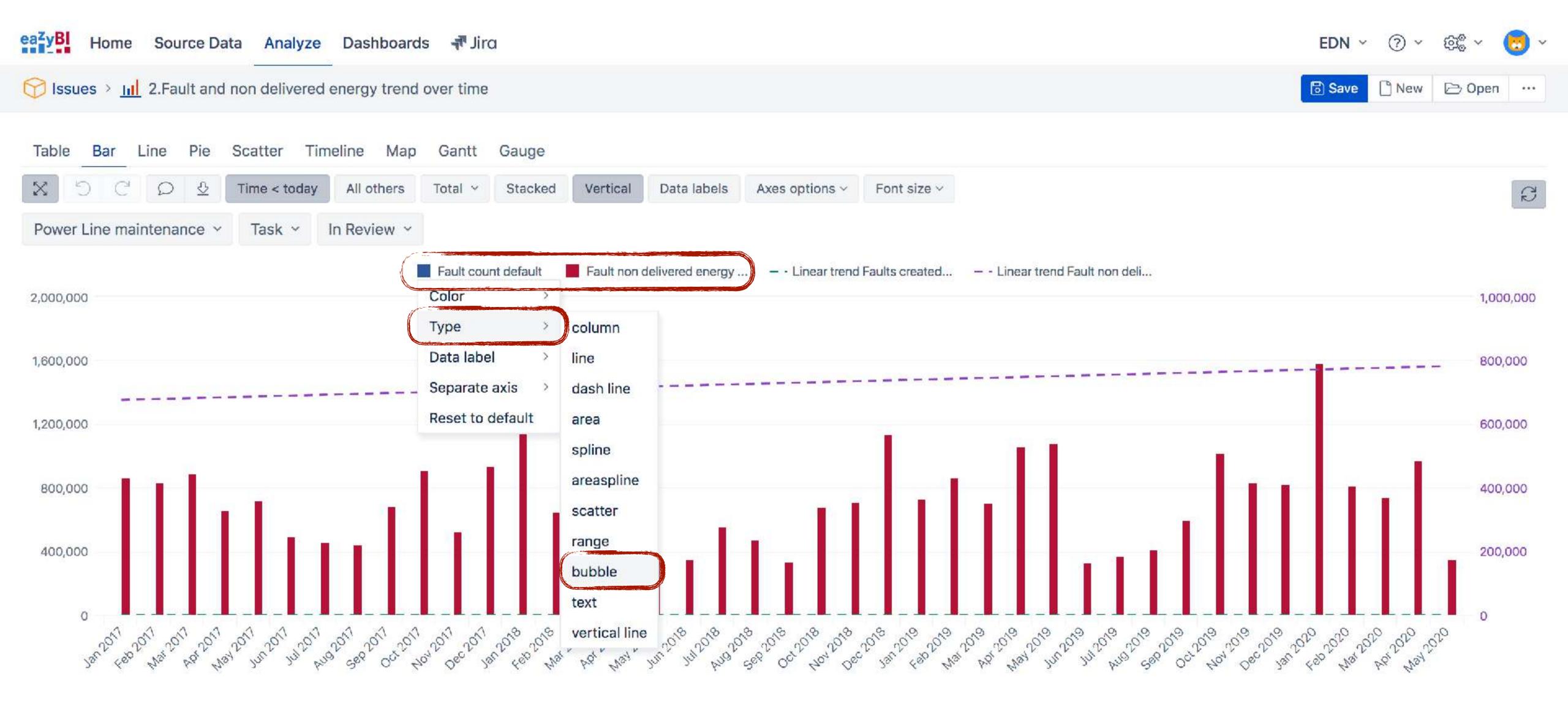Bar and Line charts can have all kind of chart types in them

Bubbles
To form a bubble chart in a Bar or Line chart, have to measures side by side. Select the bubble for the first one

Standard calculations
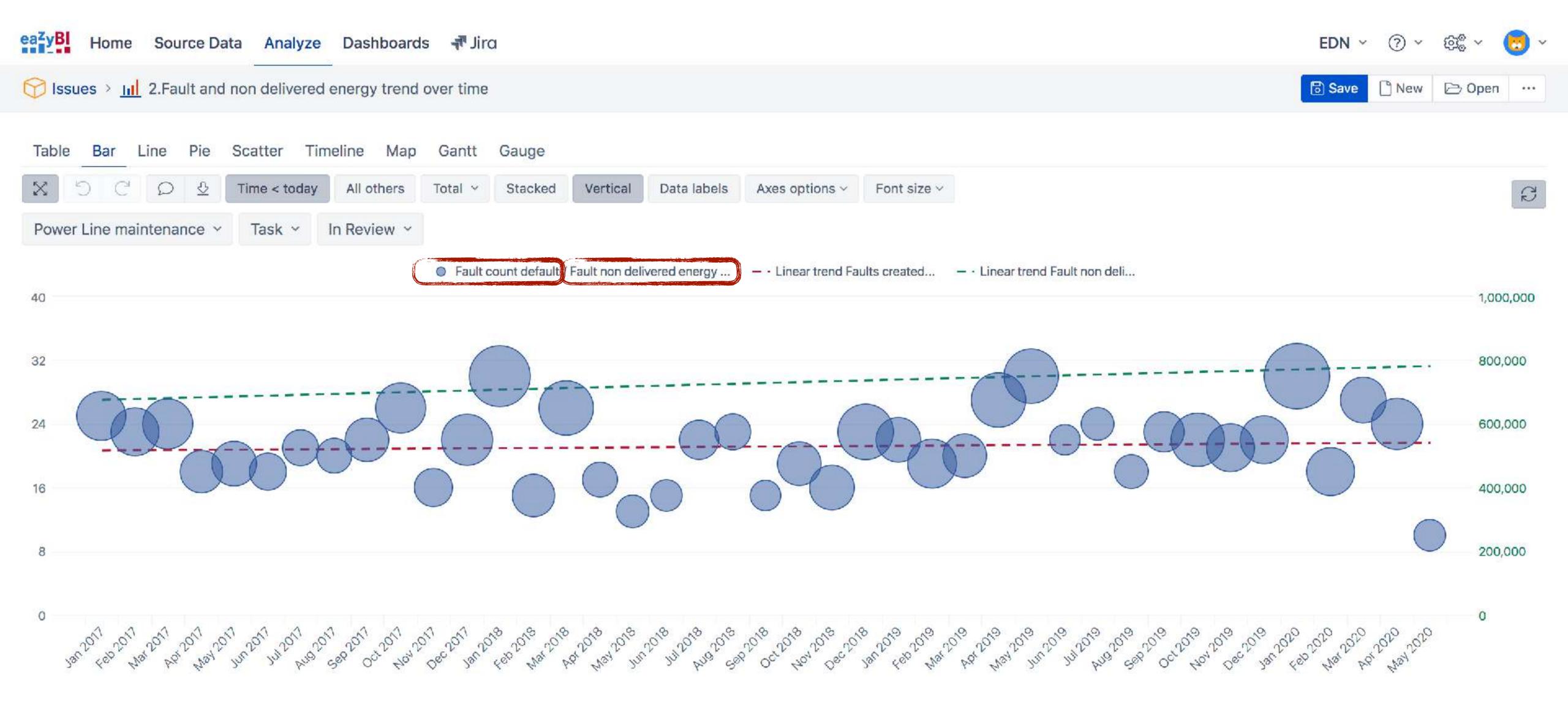Fast and convenient way to alter the data you have, without opening the formula editor

FAULT COUNT AND NON DELIVERED ENERGY TREND

FAULT COUNT AND NON DELIVERED ENERGY TREND

CONSTRUCTION OBJECT RANK

Calculated measures
Sometimes advanced calculated measures are a necessity.

Rank()
The *Rank()* function can rank the current dimension member and determine its position in a set.

CONSTRUCTION OBJECT RANK
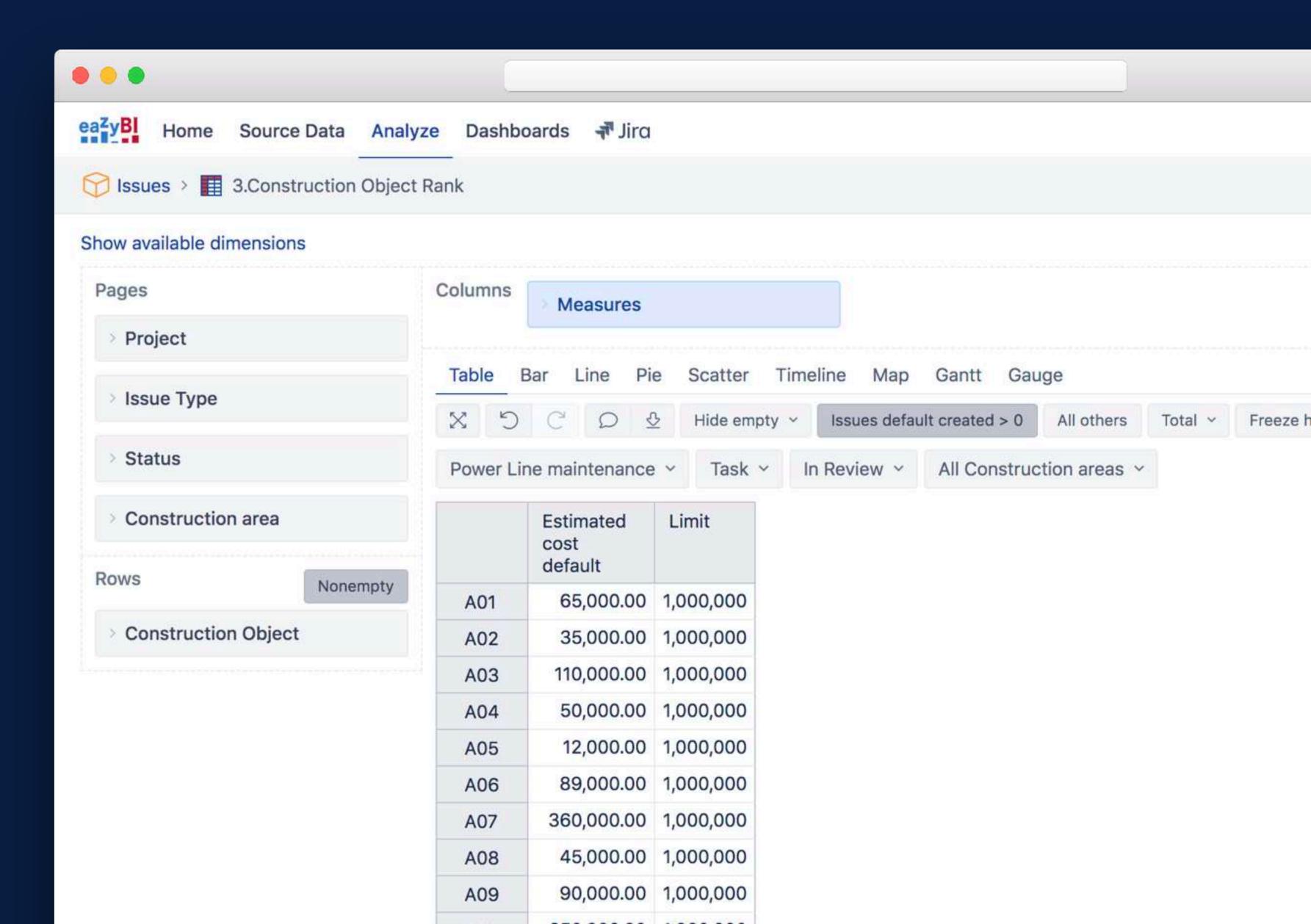
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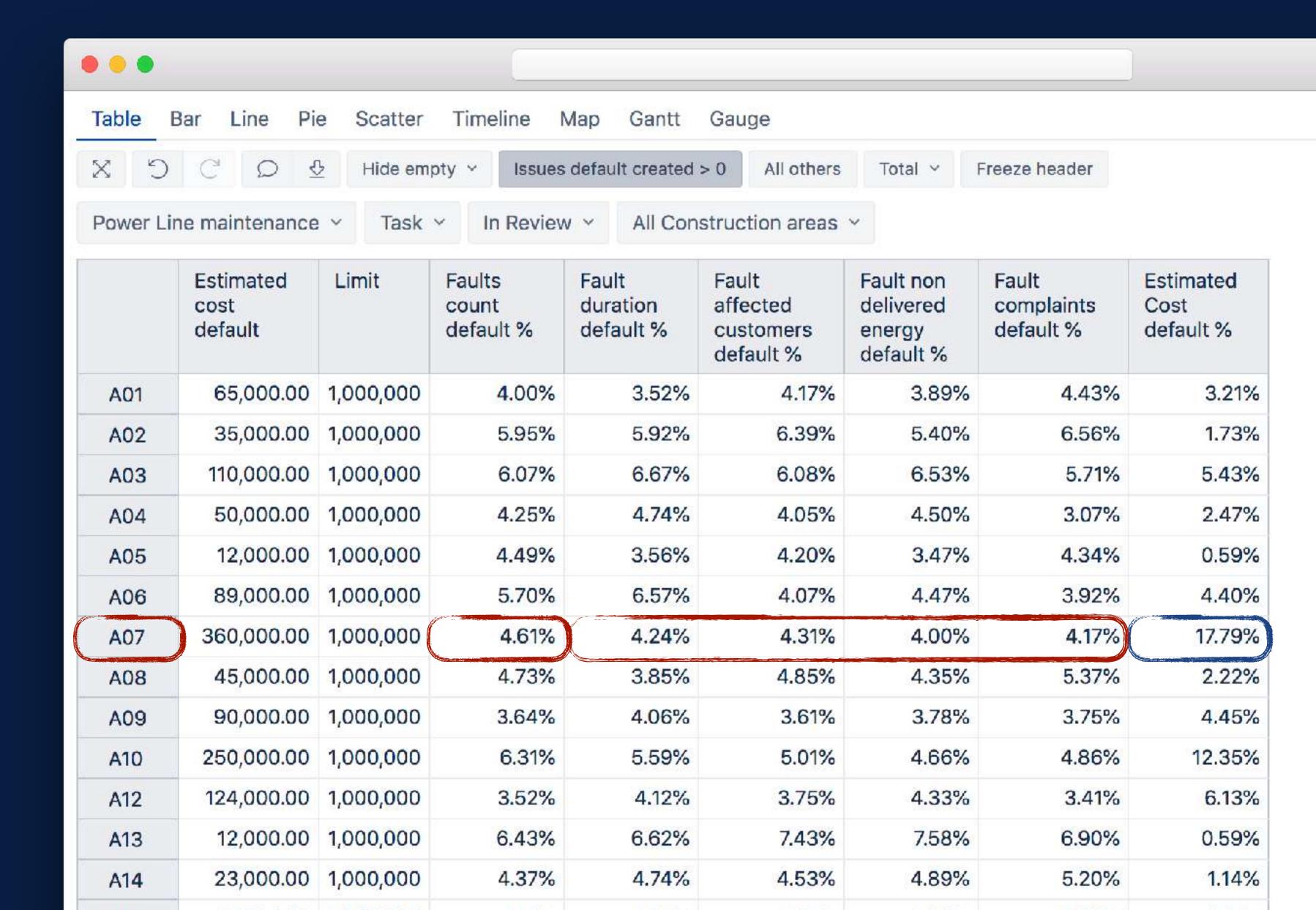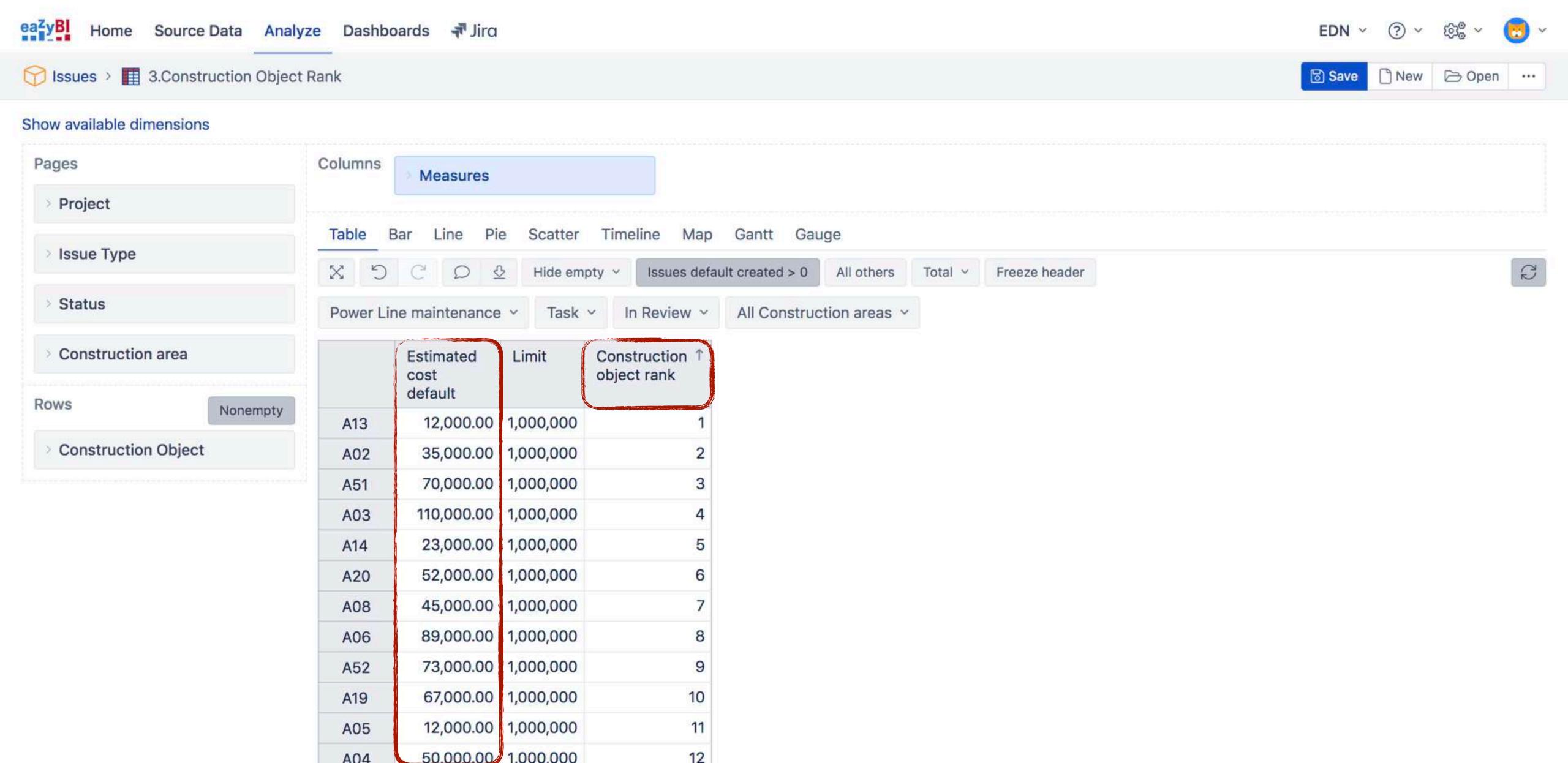
| Table | Bar | Line | Pie | Scatter | Timeline | Map | Gantt | Gauge |

| Hide empty ⌄ | Issues default created > 0 | All others | Total ⌄ | Freeze header |

| Power Line maintenance ⌄ | Task ⌄ | In Review ⌄ | All Construction areas ⌄ |

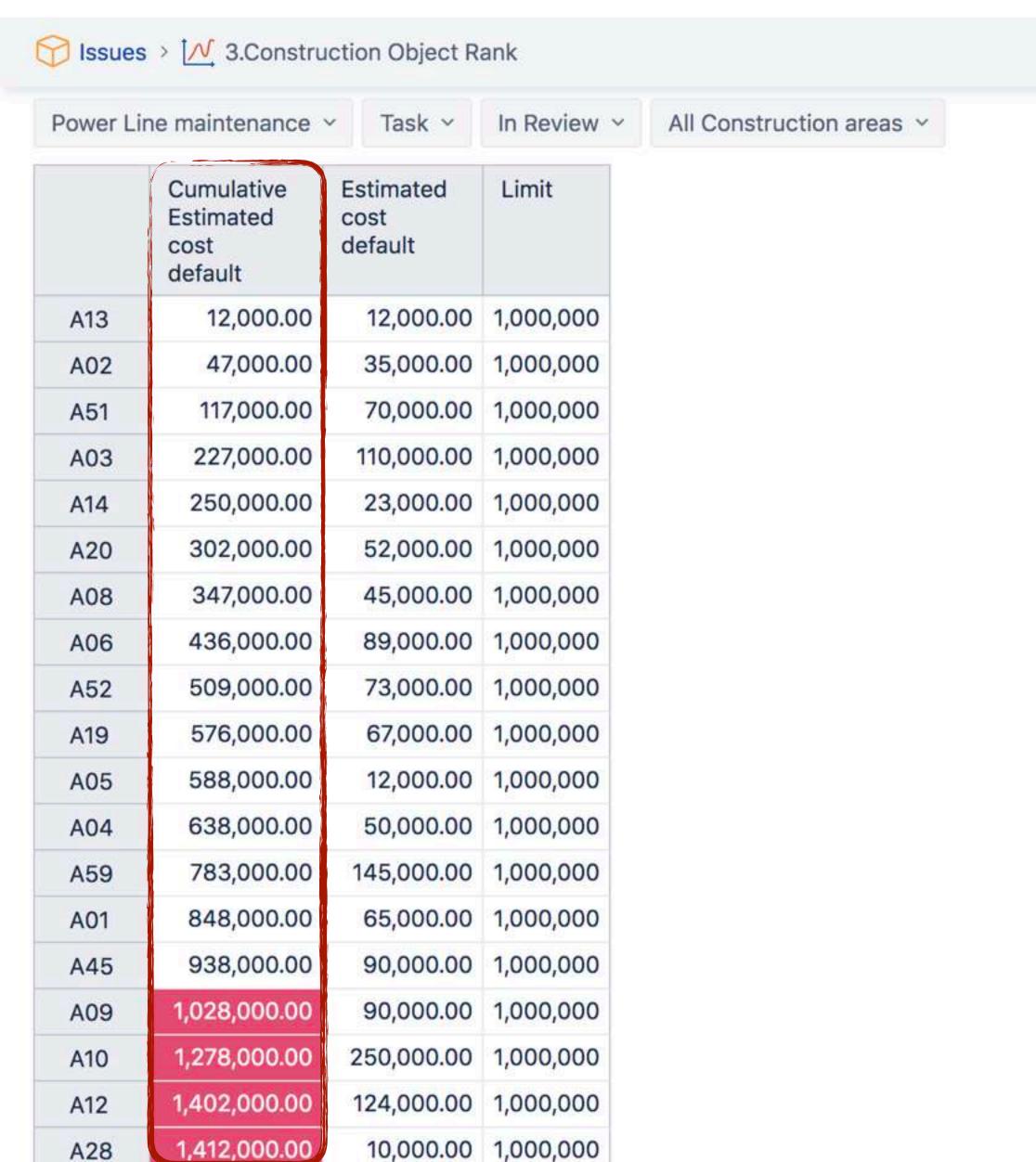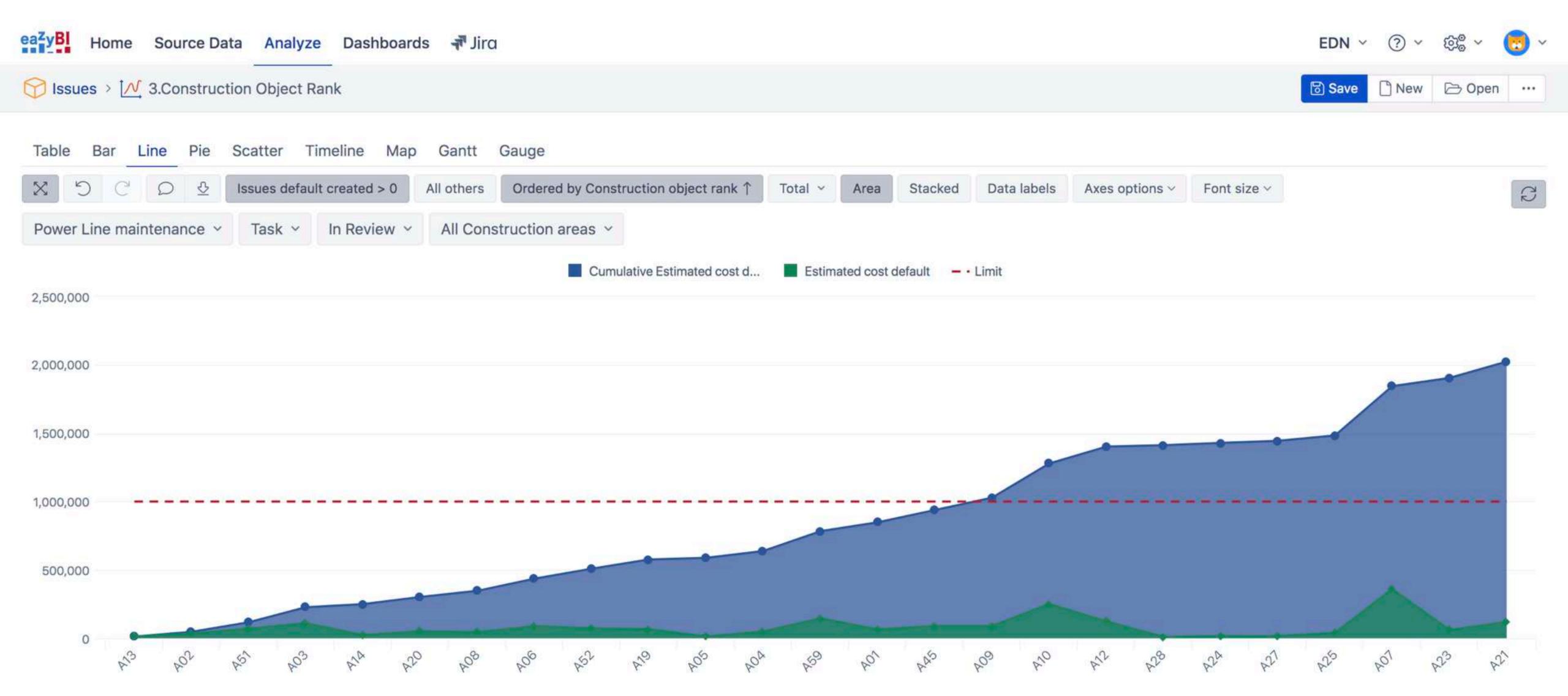|	Estimated cost default	Limit	Faults count default %	Fault duration default %	Fault affected customers default %	Fault non delivered energy default %	Fault complaints default %	Estimated Cost default %
A01	65,000.00	1,000,000	4.00%	3.52%	4.17%	3.89%	4.43%	3.21%
A02	35,000.00	1,000,000	5.95%	5.92%	6.39%	5.40%	6.56%	1.73%
A03	110,000.00	1,000,000	6.07%	6.67%	6.08%	6.53%	5.71%	5.43%
A04	50,000.00	1,000,000	4.25%	4.74%	4.05%	4.50%	3.07%	2.47%
A05	12,000.00	1,000,000	4.49%	3.56%	4.20%	3.47%	4.34%	0.59%
A06	89,000.00	1,000,000	5.70%	6.57%	4.07%	4.47%	3.92%	4.40%
A07	360,000.00	1,000,000	4.61%	4.24%	4.31%	4.00%	4.17%	17.79%
A08	45,000.00	1,000,000	4.73%	3.85%	4.85%	4.35%	5.37%	2.22%
A09	90,000.00	1,000,000	3.64%	4.06%	3.61%	3.78%	3.75%	4.45%
A10	250,000.00	1,000,000	6.31%	5.59%	5.01%	4.66%	4.86%	12.35%
A12	124,000.00	1,000,000	3.52%	4.12%	3.75%	4.33%	3.41%	6.13%
A13	12,000.00	1,000,000	6.43%	6.62%	7.43%	7.58%	6.90%	0.59%
A14	23,000.00	1,000,000	4.37%	4.74%	4.53%	4.89%	5.20%	1.14%

Creating a rank

Construction object rank

```
Rank(
    [Construction Object].CurrentMember,
    Filter(
        [Construction Object].[Construction Object].Members,
        [Measures].[Issues default created] > 0
        AND
        [Measures].[Fault count default] > 0
    ),
    ([Measures].[Faults count default %]
    +
    [Measures].[Fault duration default %]
    +
    [Measures].[Fault non delivered energy default %]
    +
    [Measures].[Fault affected customers default %]
    +
    [Measures].[Fault complaints default %]
    -
    [Measures].[Estimated Cost default %])
)
```
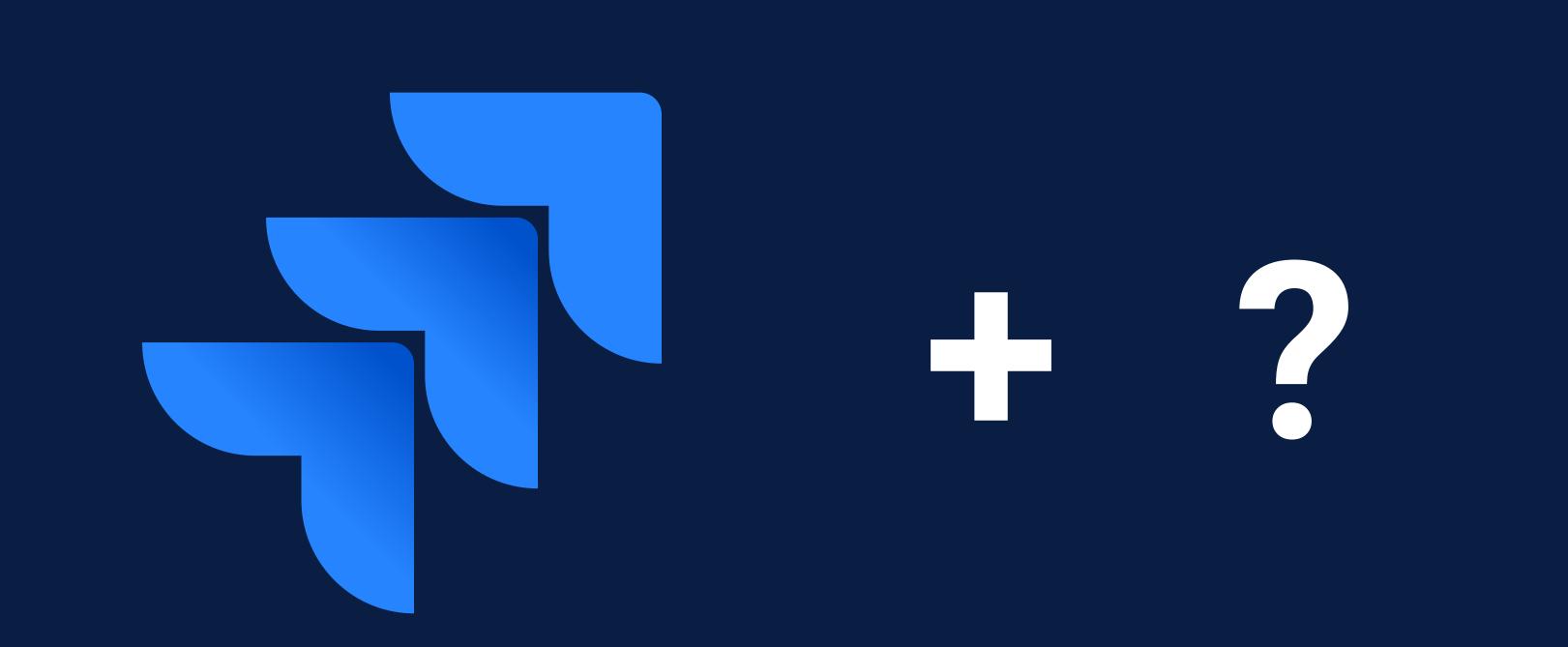
CONSTRUCTION OBJECT RANK

CONSTRUCTION OBJECT RANK

Save | New | Open | ...

| Power Line maintenance ⌄ | Task ⌄ | In Review ⌄ | All Construction areas ⌄ |

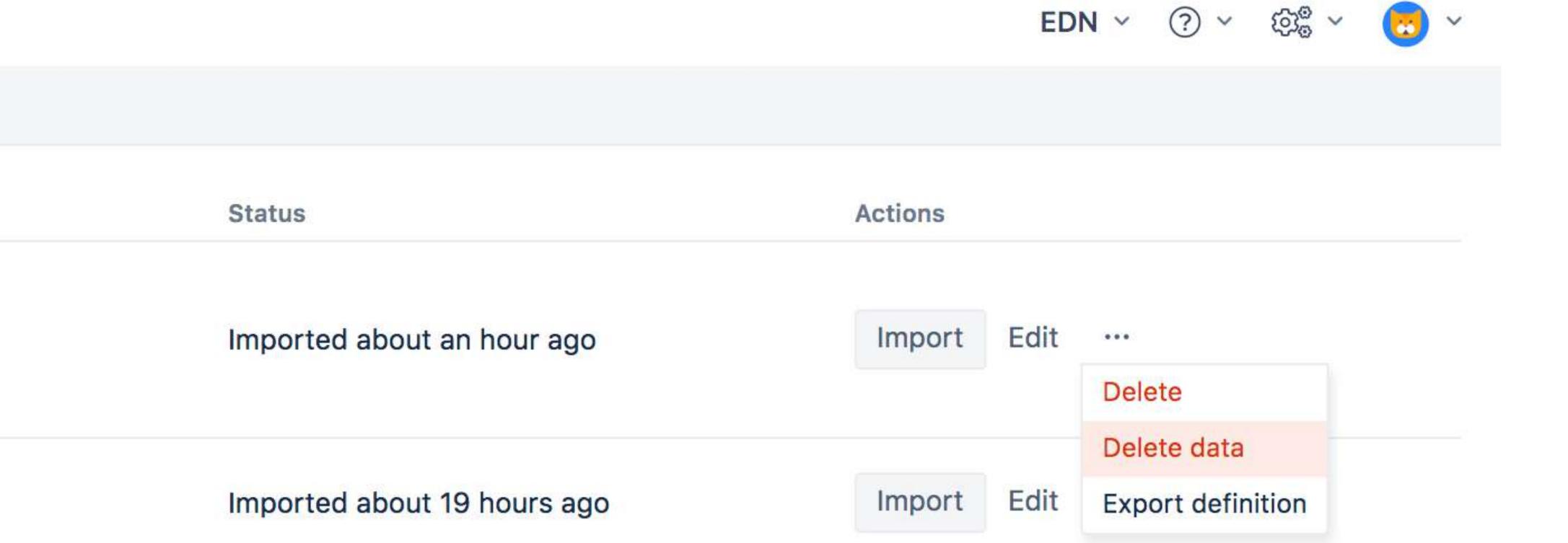|	Cumulative Estimated cost default	Estimated cost default	Limit
A13	12,000.00	12,000.00	1,000,000
A02	47,000.00	35,000.00	1,000,000
A51	117,000.00	70,000.00	1,000,000
A03	227,000.00	110,000.00	1,000,000
A14	250,000.00	23,000.00	1,000,000
A20	302,000.00	52,000.00	1,000,000
A08	347,000.00	45,000.00	1,000,000
A06	436,000.00	89,000.00	1,000,000
A52	509,000.00	73,000.00	1,000,000
A19	576,000.00	67,000.00	1,000,000
A05	588,000.00	12,000.00	1,000,000
A04	638,000.00	50,000.00	1,000,000
A59	783,000.00	145,000.00	1,000,000
A01	848,000.00	65,000.00	1,000,000
A45	938,000.00	90,000.00	1,000,000
A09	1,028,000.00	90,000.00	1,000,000
A10	1,278,000.00	250,000.00	1,000,000
A12	1,402,000.00	124,000.00	1,000,000
A28	1,412,000.00	10,000.00	1,000,000

CONSTRUCTION OBJECT RANK

Additional data imports
won't break my bones

Roberts Čāčus

Prepare your data!

Status	Actions
Imported about an hour ago	Import Edit ···

Delete

Delete data

Export definition

Status	Actions
Imported about 19 hours ago	Import Edit

time.

Drop us a line!

community.eazybi.com

support@eazybi.com