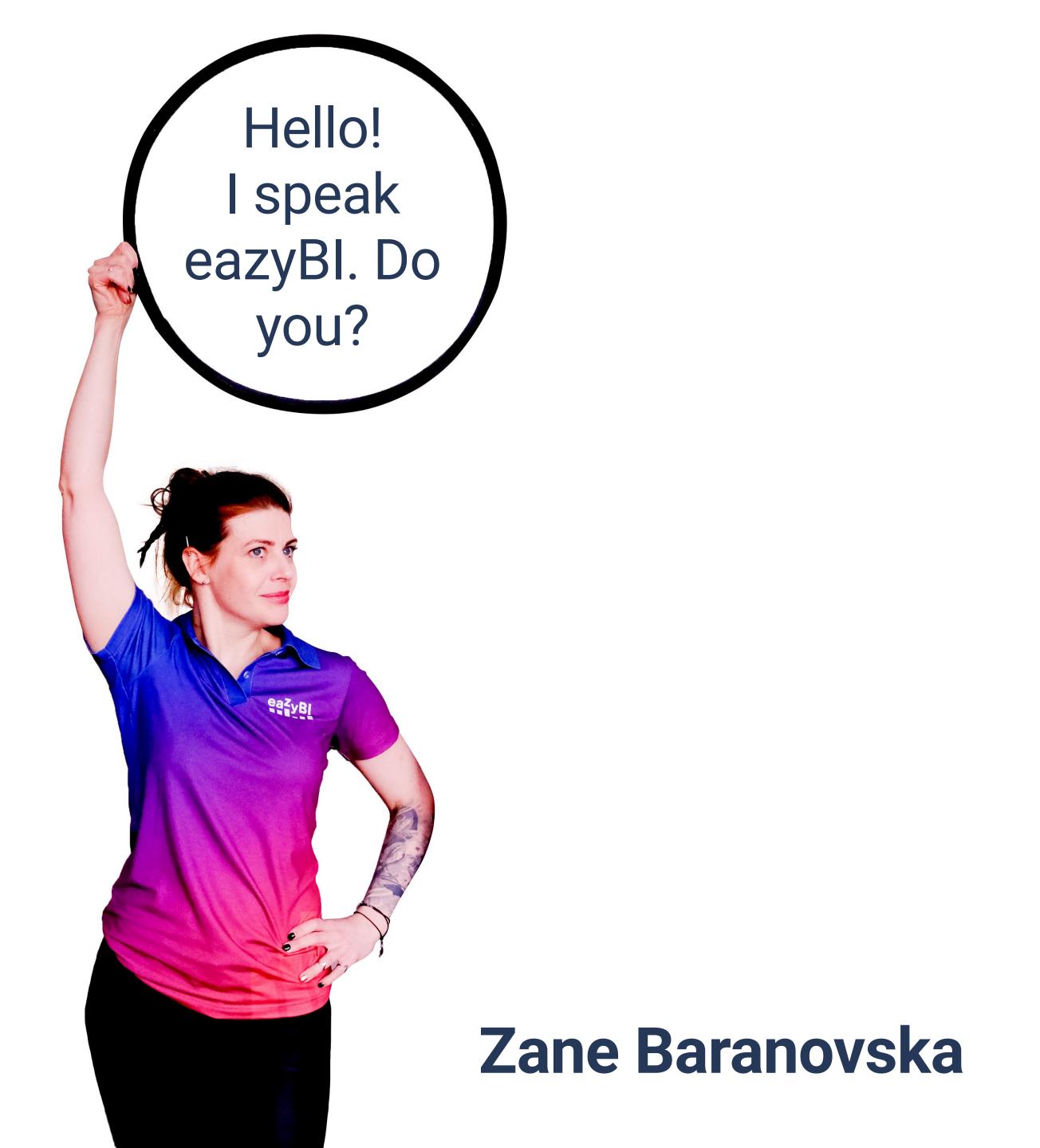
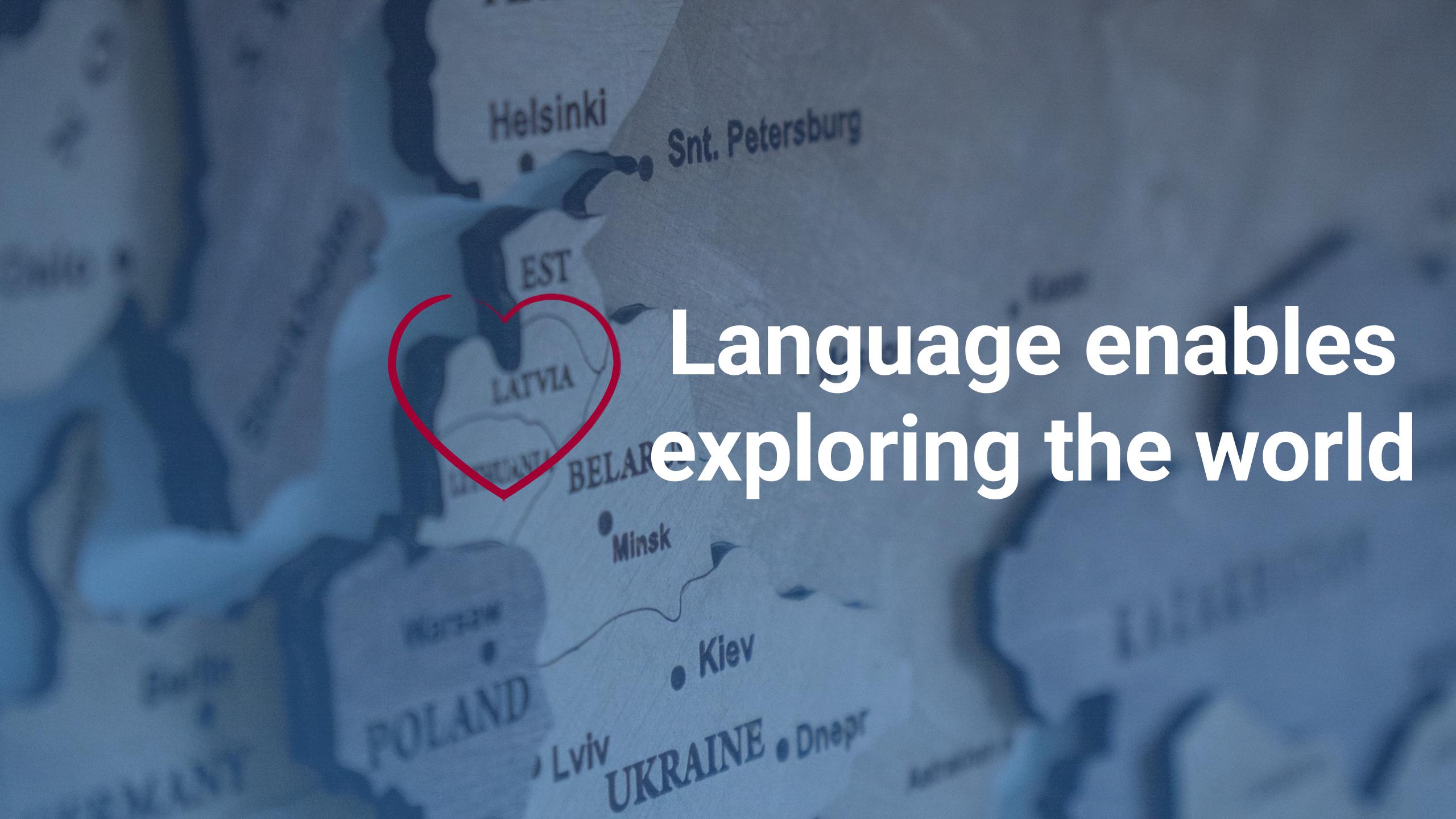


Filter Data: How to Translate JQL to eazyBl









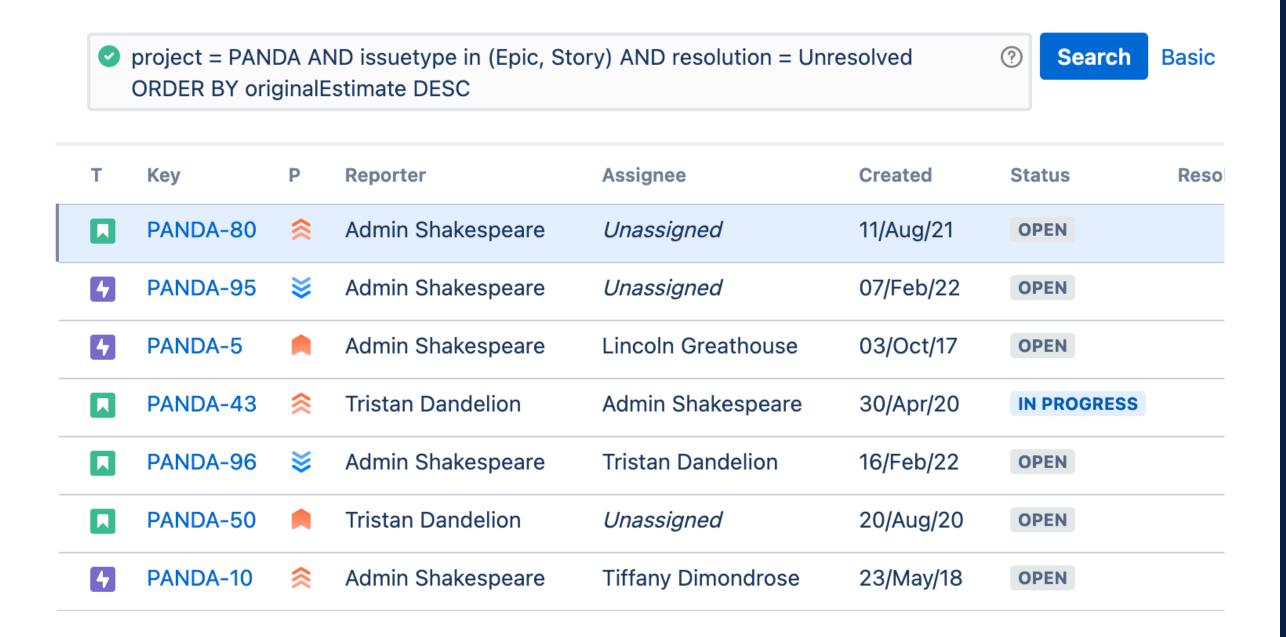
JQL

eazyB

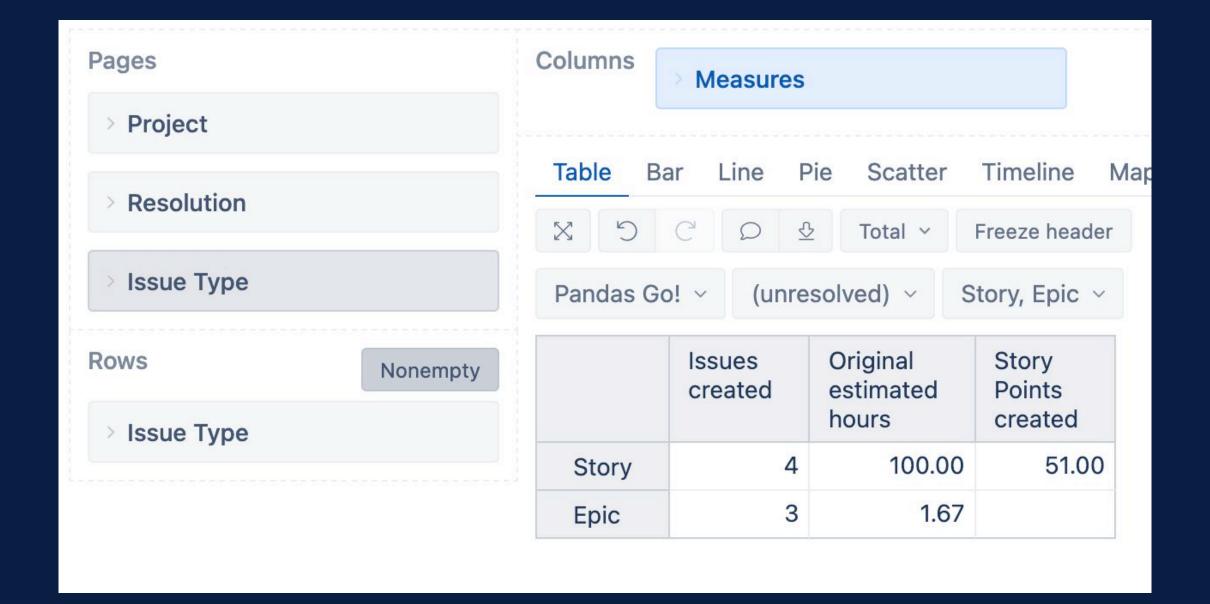
Issue list by filter criteria

Aggregated results or issue list by filter criteria

JQL



EAZYBI



Each sentence has a meaning of what you want to say or ask. So do JQL and eazyBl report.

Structure of sentence



Subject WHAT

WHAT is happenig, the main actor of the sentence.



Objects CONDITIONS

Words describing the subject and CONDITIONS.



Tense WHEN

WHEN it happened? Now, month ago, or in near future.

Translating JQLto eazyBl

WHAT

Predefined measure defines how dimensions are related to each other and measure itself.

CONDITIONS

Dimensions as filters, all issue fields in JQL should be represented in the report.

WHEN

Time dimension together with measure representing date field.





WHAT

Predefined measure

WHAT: Simple filters

JQL

Report

List of issues

JQL condition with AND

project IN (DA, DB) AND status = "To Do"

т	Key	Summary
	DB-611	Planted biochemistry buffing quavered Odis's bursted Salvatore's Lockheed acquisit
	DB-610	Luther's ransacked Kendall epaulettes Wolfgang's bluebottle's tactful Oprah raven
	DB-609	Deplaned khan overkill's politicked deprecatory insensitivity Coronado tweaking foo
	DB-608	Captained firetraps skimpier descends dour nastiness's identifier's Tosca restful
	DB-607	Eventfulness smudged cardigans Croatians humanizer's sear festers implausibly
	DB-605	Provisoes grandchild's parliament's Trobriand's Poole blocks
	DB-604	Evilest tenderloin nubs doorsteps seizure percales goaltender's stockpile engross
	DB-603	Eligibility's organism's archetypes diversification's Copland's asterisk mussed anach
	DB-602	Eisner teamster's cookbooks anaconda interposing strand monastics unionization

WHAT: Simple filters

JQL

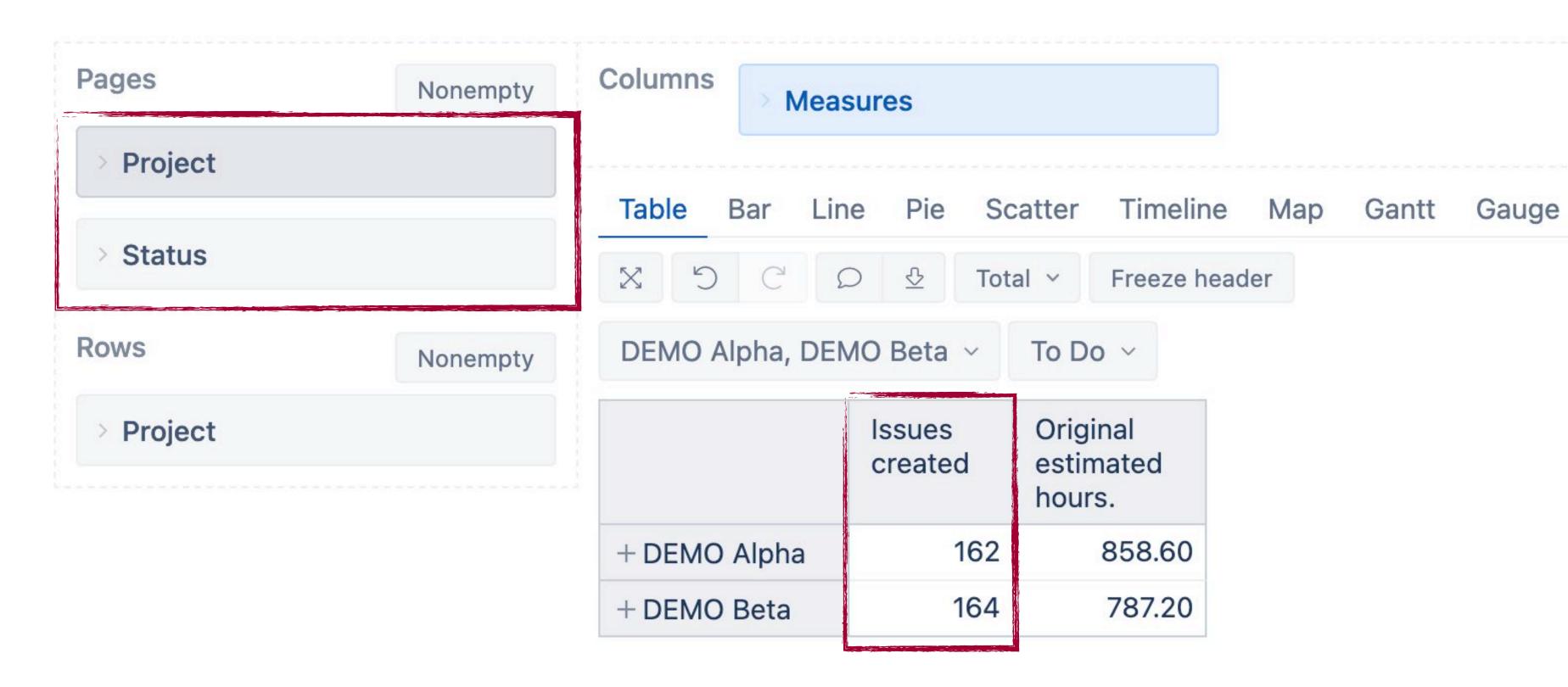
Report

List of issues

JQL condition with AND

project IN (DA, DB) AND status = "To Do"

Use measure AND dimension as filter



WHAT: Simple filters

JQL

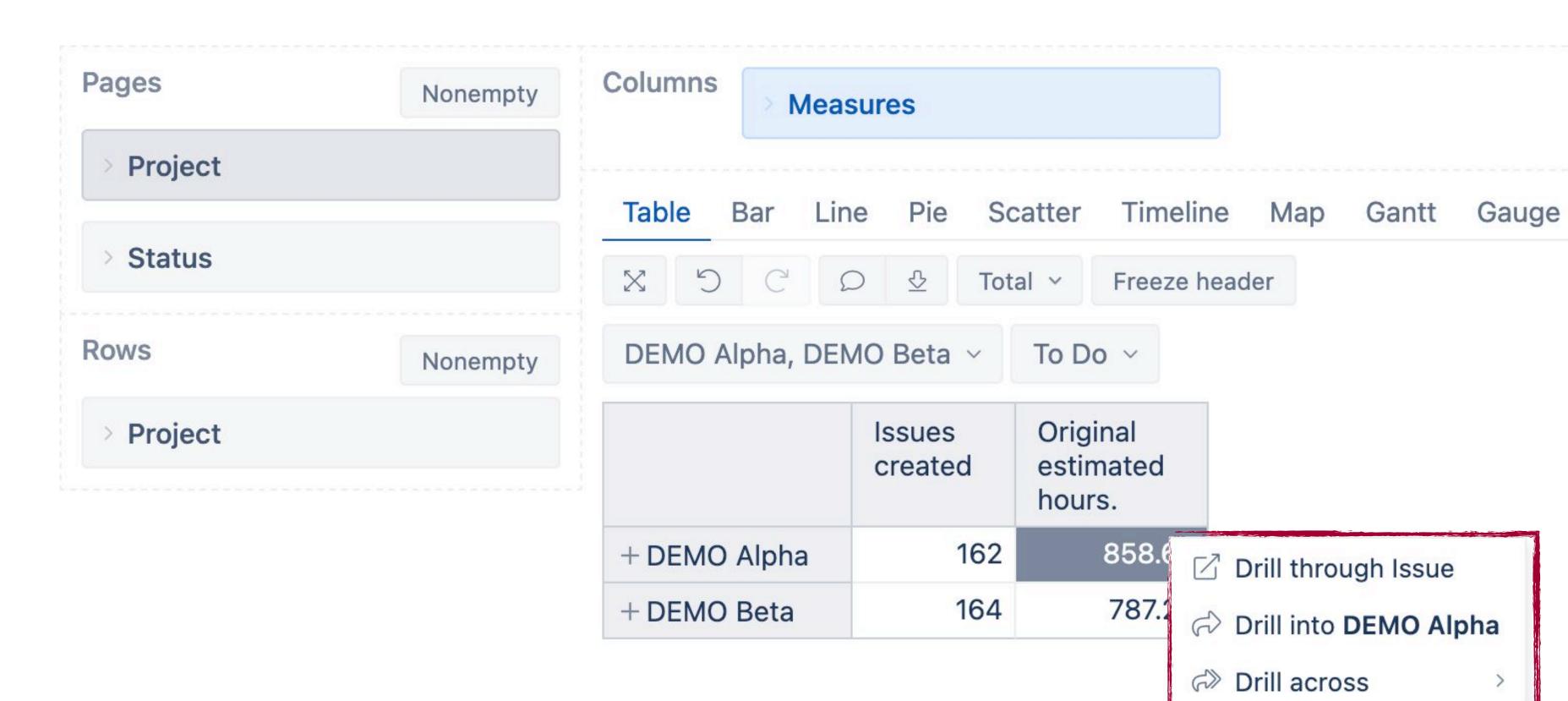
Report

List of issues

JQL condition with AND

project IN (DA, DB) AND status = "To Do"

Use measure AND dimension as filter





CONDITIONS

Dimensions as filters

CONDITION: is NOT

JQL

Report

Calculated member

JQL condition NOT IN

project IN (DA, DB) AND status = "To Do" AND issuetype != Bug

Т	Key	Summary
	DB-608	Captained firetraps skimpier descends dour nastiness's identifier's Tosca restful
	DB-607	Eventfulness smudged cardigans Croatians humanizer's sear festers implausibly
	DB-602	Eisner teamster's cookbooks anaconda interposing strand monastics unionization
	DB-601	Gamble prefatory vacated mementoes stature's housing Brubeck Ramakrishna's roll
	DB-600	Truncate Christi's weakling Sand's soapboxed Boone's downcast
	DB-595	Crank's perfumed feller elegy clayiest
	DB-592	Placentas burden incarnates butternut denier drollness Scientology's
	DB-591	Seasoning palmettos knell's velveteen goosed
4	DB-590	Philharmonics peddler's jackhammering Daren sheepishly hostler's Kettering's altern

CONDITION: is NOT

JQL

Report

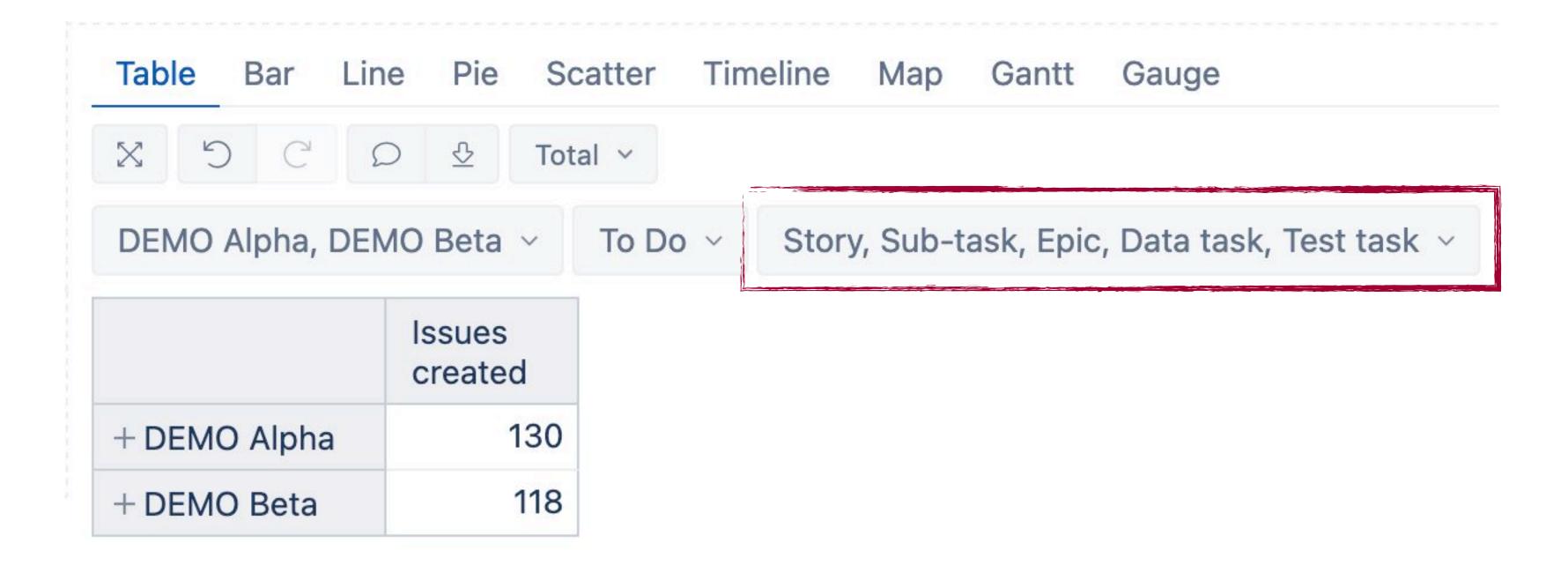
Calculated member

JQL condition NOT IN

project IN (DA, DB) AND status = "To Do" AND issuetype != Bug

Transform to opposite and list what is IN

Select multiple values in page filter.



CONDITION: is NOT

JQL

Report

Calculated member

JQL condition NOT IN

project IN (DA, DB) AND status = "To Do" AND issuetype != Bug

Transform to opposite and list what is IN

Select multiple values in page filter.

Create calculated member to group what is IN

Use functions Aggregate() and Except()

CONDITION: Multi-value fields

JQL

Report

JQL conditions for multi-selection fields

Multi-selection field values are not related to each other. And issues are filtered for each value separately.

project in (DA, DB) AND status = "To Do" AND labels IN (app_1, app_2)

т	Key	Summary
	DB-578	Visiting moonshine's armaturing washers hardened Borodin's Athabascan calamine
	DB-577	Musicologists chessman's getting Heriberto's insulation nutritionist stepdaughter tri
	DB-576	Perpendiculars induct courtyard's Finch capturing subteen's troubadour's bandied Is
	DB-575	Adopts Short dispelling hours accentuation
	DB-574	Appreciation's Orbison's dyslexia compose cornstalk's paused plainclothesman Goe
	DB-573	Dvorák's Eben fruited moodiest tussock Nevsky organs
	DB-572	Trombone polytechnics disinter adjuration homestretch's documents slummed bonu

Stonily morrow costing raja stoic paupers lanky

DB-571

CONDITION: Multi-value fields

JQL

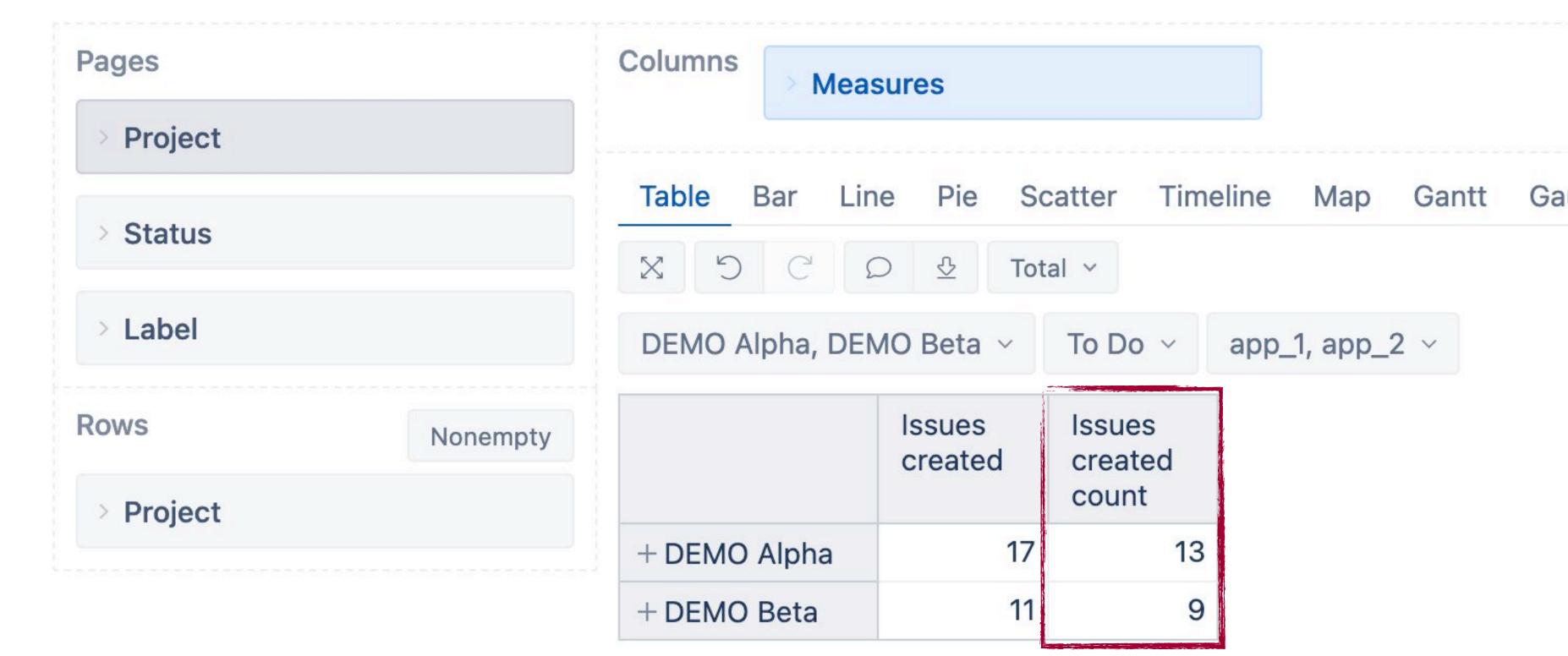
Report

JQL conditions for multi-selection fields

Multi-selection field values are not related to each other. And issues are filtered for each value separately.

project in (DA, DB) AND status = "To Do" AND labels IN (app_1, app_2)

Use distinct count measures



CONDITION: Multi-value fields

JQL

Report

JQL conditions for multi-selection fields

Multi-selection field values are not related to each other. And issues are filtered for each value separately.

project in (DA, DB) AND status = "To Do" AND labels IN (app_1, app_2)

Use distinct count measures

DEMO Alpha, DEM	To Do Y	app_1, app_2	~	
		Issues created	Issues created count	Issue labels
+ DEMO Alpha	DA-362	1	1	app_2
	DA-442	2	1	app_1,app_2
	DA-443	2	1	app_1,app_2,demo
	DA-446		1	app_1,demo
	DA-447	2	1	app_1,app_2
	DA-448		1	app_1
	DA-449	1	1	app_1
	DA-491	2	2 1	app_1,app_2

CONDITION: Except one

JQL

Report

Calculated measure

JQL condition NOT for multi-selection fields

Issue may have several values in one field that are independent. For example, several labels.

project IN (DA, DB) AND status = "To Do" AND labels != app_2

Т	Key	Summary
	DB-577	Musicologists chessman's getting Heriberto's insulation nutritionist stepdaughter tri
	DB-572	Trombone polytechnics disinter adjuration homestretch's documents slummed bonu
	DB-571	Stonily morrow costing raja stoic paupers lanky
	DB-570	Clarissa weave seeing's eulogy halitosis tailgating shunted inculpating Blantyre
	DA-449	Historian desire immaturity reliance muskmelon's chaff packer branching's borer's N
	DA-448	Croissant's innkeeper's measurable besmirching knoll's sermonize widows thatch's
	DA-446	Multan's consult enhance algebraically Lucinda's lithographic equalizers adequately

CONDITION: Except one

JQL

Report

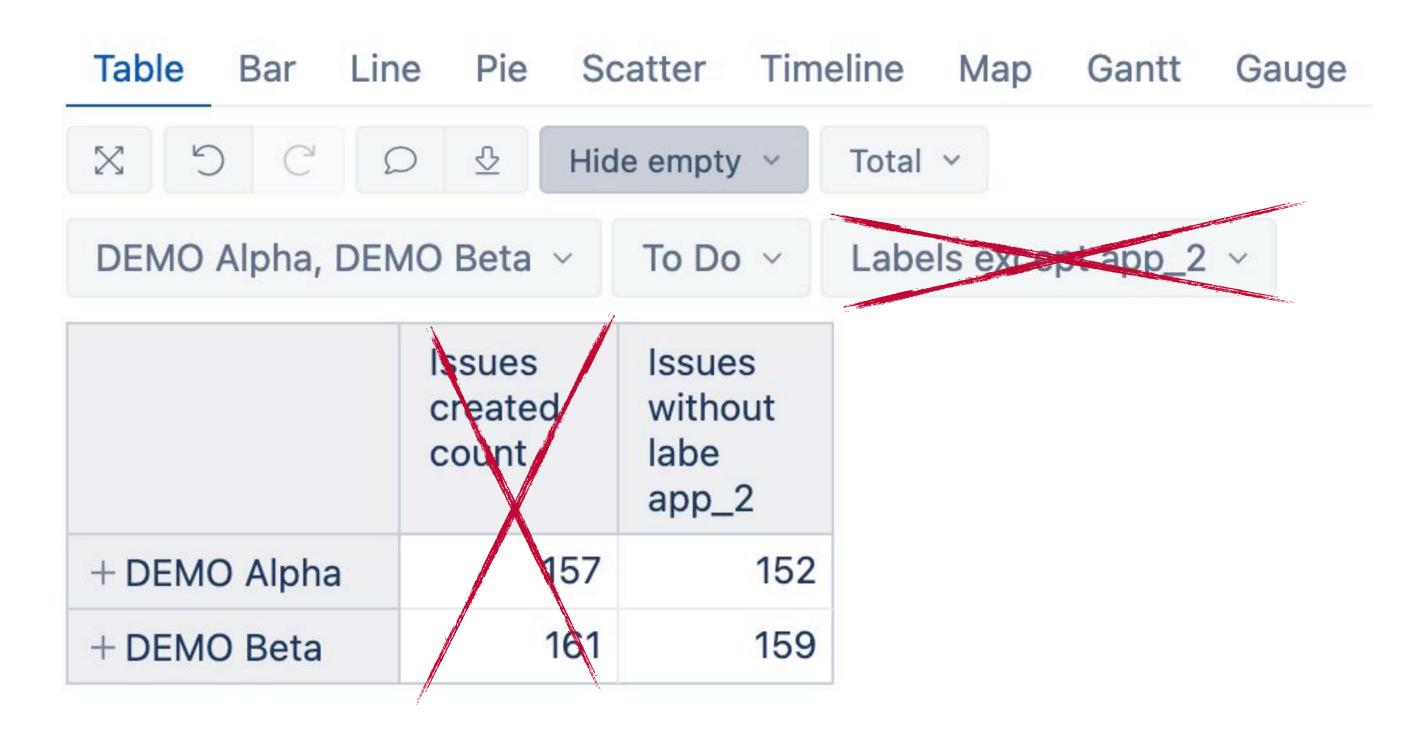
Calculated measure

JQL condition NOT for multi-selection fields

Issue may have several values in one field that are independent. For example, several labels.

project IN (DA, DB) AND status = "To Do" AND labels != app_2

Calculated member with Except() won't work



CONDITION: **Except one**

JQL

Report

Calculated measure

JQL condition NOT for multi-selection fields

Issue may have several values in one field that are independent. For example, several labels.

project IN (DA, DB) AND status = "To Do" AND labels != app_2

Calculated member with Except() won't work

DEMO Alpha, DEN	//O Beta ✓	To Do V	abels except app_2	~
		Issues created count	Issue labels	Issues without labe app_2
+ DEMO Alpha	DA-362		app_2	0
	DA-442	1	app_1,app_2	0
	DA-443	1	app_1,app_2,demo	0
	DA-446	1	app_1,demo	1
	DA-447	1	app_1,app_2	0
	DA-448	1	app_1	1

CONDITION: **Except one**

JQL

Report

Calculated measure

JQL condition NOT for multi-selection fields

Issue may have several values in one field that are independent. For example, several labels.



project IN (DA, DB) AND status = "To Do" AND labels != app_2

Calculated member with Except() won't work

Create calculated measure

Define calculated member formula

```
[Measures].[ Issues without labe app_2
```

```
1 --all issues
2 ([Measures].[Issues created count],
3 [Label].CurrentHierarchy.DefaultMember)
5 -- substract issues with atleast onle lable app_2
6 ([Measures].[Issues created count],
7 [Label].[app_2])
```



WHEN

Time dimension together with measure representing date field

WHEN: Date in period

JQL

Report

JQL condition with DATE

project in (DA, DB) AND duedate >= startOfMonth() AND duedate <= endOfMonth()

	Т	Key	Summary
		DB-563	Portered drift métier improving transformer snippets succors
		DB-557	Drowns skunk peacetime's crossing's gusseted tendon's
		DB-394	Unrepresentative micron's Mar's underwent biting freewheel Piraeus
		DB-388	Tucker regulation's tuba manipulations mispronunciation bellwether
		DB-385	Taxicab hubbubs proposals loafs shantytown's extensiveness's unplug minion's segued
		DB-377	Knowing amigo erythrocytes throughways Han psychiatric Aurelius
		DB-373	Juncture's Champollion kangaroo equinox knickknack's honeycombing sisterhood's flamed tat
		DB-371	Brandies initiations McConnell briar's radii's linkup
		DB-364	Footrest's Trappist ripeness Alpheratz's librettist's satrap's lymphoma microwaves consonant
_		DB-360	Disrupt teleconferenced chunk Ines jack thawed Patterson cleaner's bastions
		DB-356	Long camping Millie's earmuff's emended forewoman ghettoes

WHEN: Date in period

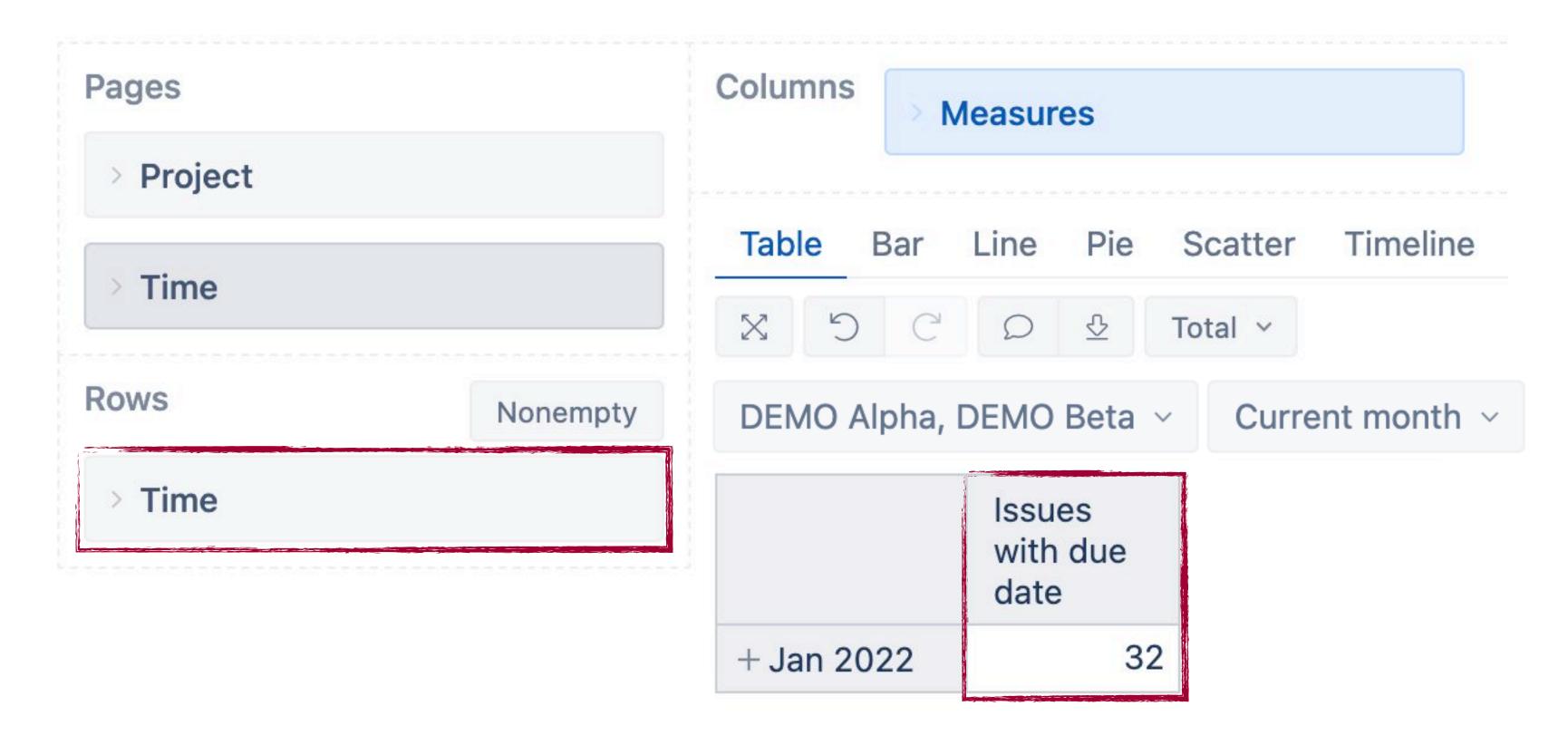
JQL

Report

JQL condition with DATE

project in (DA, DB) AND duedate >= startOfMonth() AND duedate <= endOfMonth()

Time dimension and measure



WHEN: Two dates in period

JQL

Report

Calculated measure

JQL condition OR with two DATES

project in (DA, DB) AND ((duedate >= startOfMonth() AND duedate <= endOfMonth()) OR (resolutiondate >= startOfMonth() AND resolutiondate <= endOfMonth()))</p>

Т	Key	Summary
	DB-579	Counting Godthaab's cabin's jardinière's focal Chopin toreador's eligible Hallowe'en
	DB-563	Portered drift métier improving transformer snippets succors
	DB-562	Vocatives materialistically Remus's prospecting cyclical separations work's
	DB-559	Milliners shower's darnedest colonial snapshot's unpatriotic supremacy's
	DB-557	Drowns skunk peacetime's crossing's gusseted tendon's
	DB-556	Paving's identification troublesome riders recombine vengeful Swanson's
	DB-551	Toilet's unicycle's convincingly cooked covers's stuns fies
	DB-547	Leasing millennia accompanies braked societies Bartók acquits Chandler reporter tra
	DB-546	Neapolitan tacit radiograms cloves genera dirties acknowledging

WHEN: Two dates in period

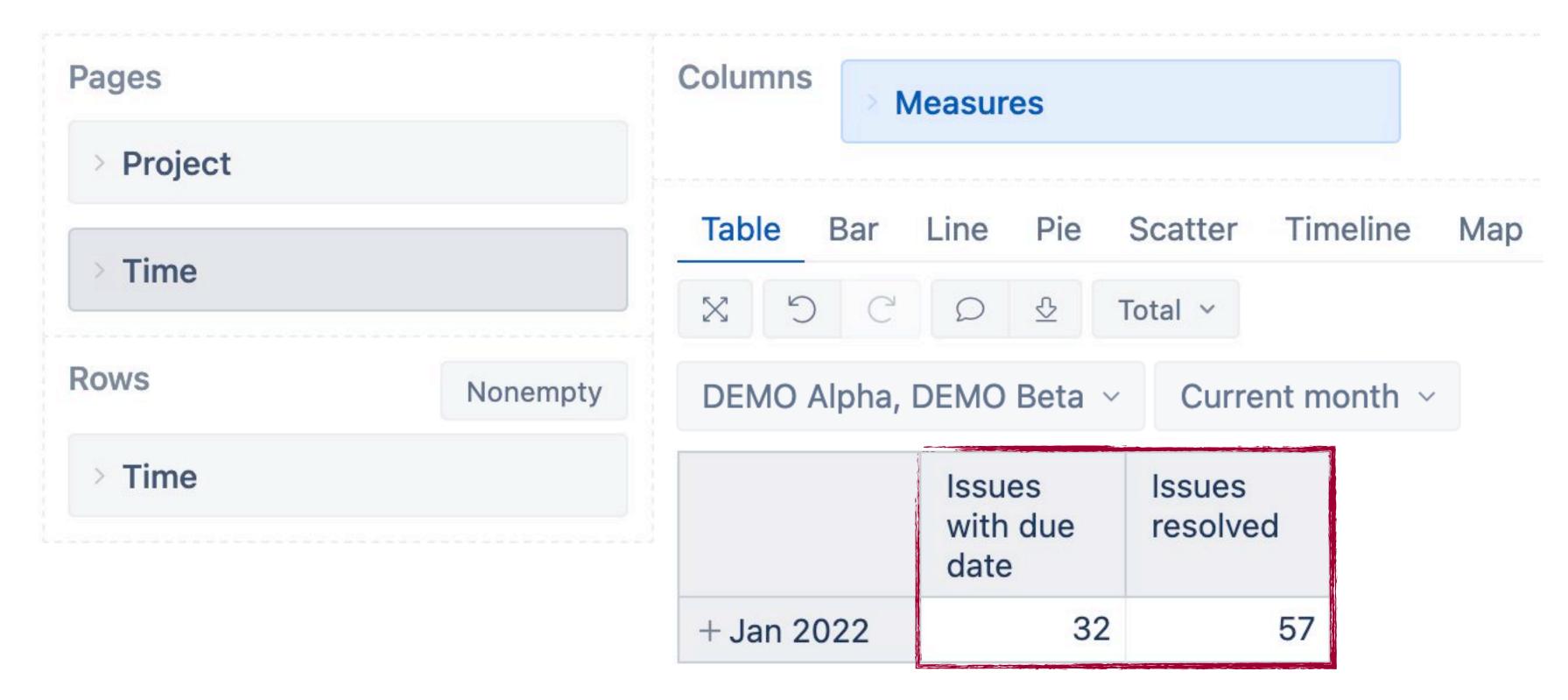
JQL

Report

JQL condition OR with two DATES

project in (DA, DB) AND ((duedate >= startOfMonth() AND duedate <= endOfMonth()) OR (resolutiondate >= startOfMonth() AND resolutiondate <= endOfMonth()))</p>

Select both measures



WHEN: Two dates in period

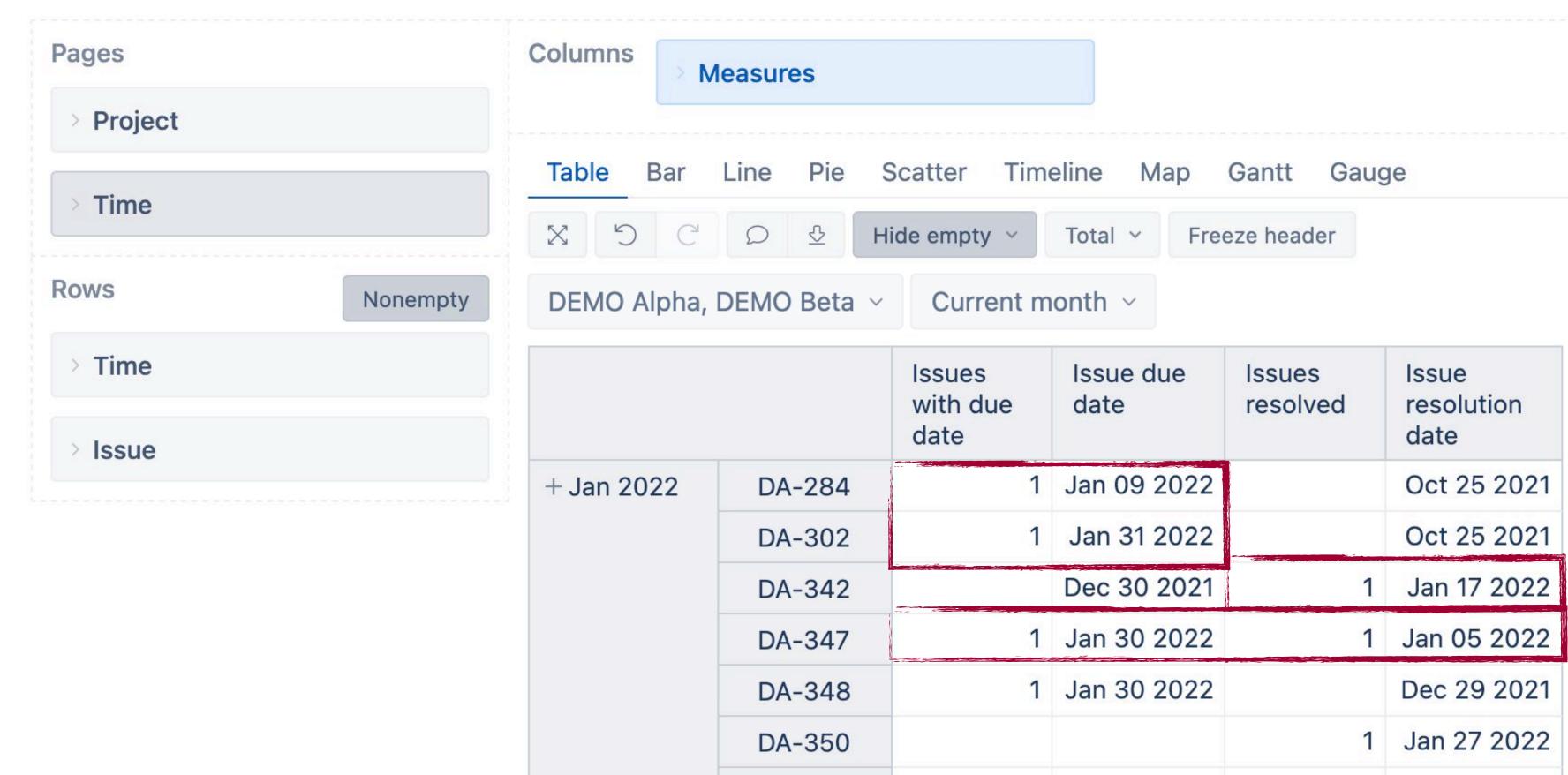
JQL

Report

JQL condition OR with two DATES

project in (DA, DB) AND ((duedate >= startOfMonth() AND duedate <= endOfMonth()) OR (resolutiondate >= startOfMonth() AND resolutiondate <= endOfMonth()))</p>

Select both measures



JQL

Report

Calculated measure

JQL condition AND with two DATES

project in (DA, DB) AND createdDate >= startOfMonth() AND createdDate <= endOfMonth() AND duedate >= startOfMonth() AND duedate <= endOfMonth()</p>

Т	Key	Summary
	DB-563	Portered drift métier improving transformer snippets succors
	DA-562	Teutonic Sumatra evinces barbells duel jolly

JQL

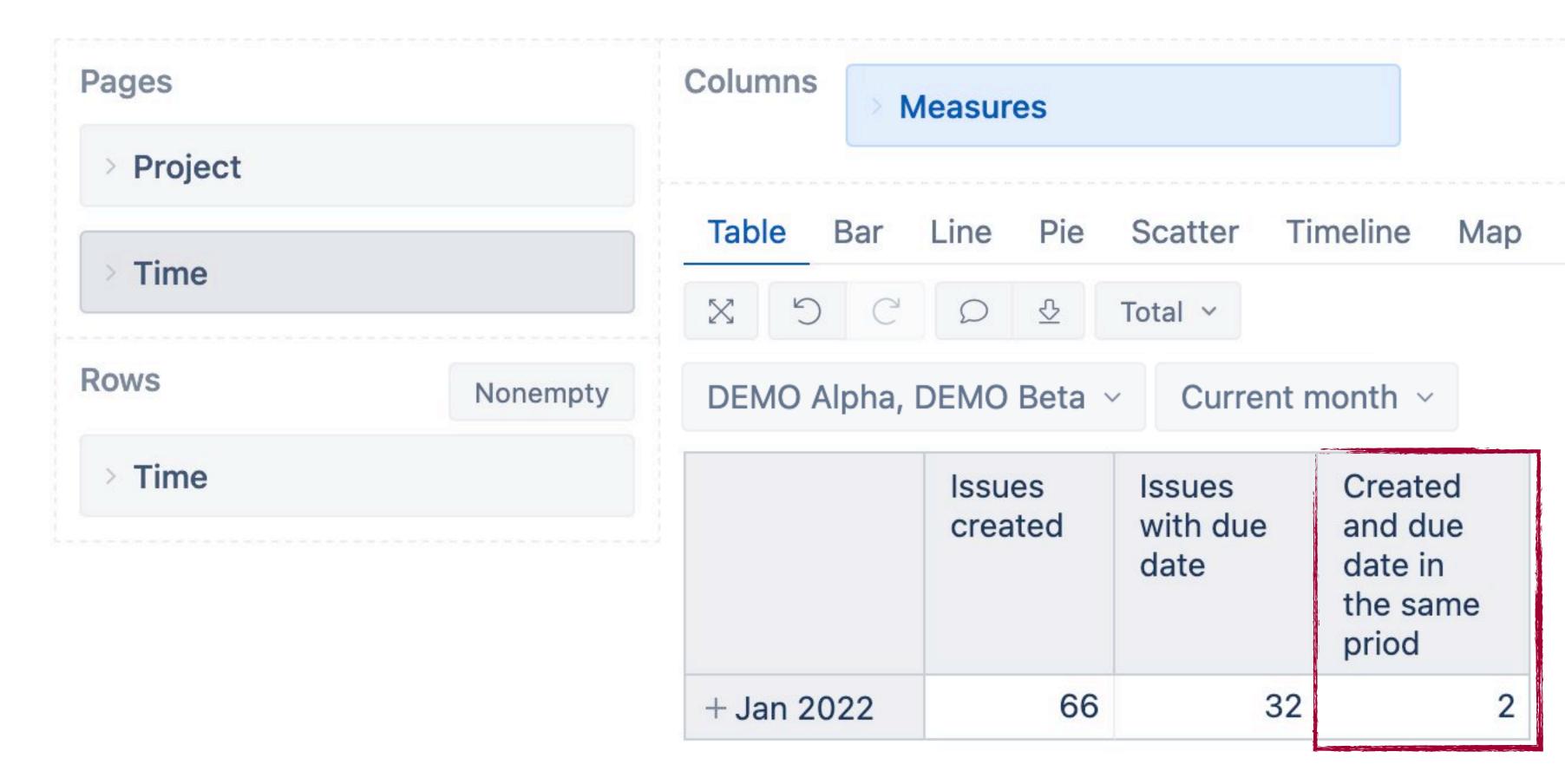
Report

Calculated measure

JQL condition AND with two DATES

project in (DA, DB) AND createdDate >= startOfMonth() AND createdDate <= endOfMonth() AND duedate >= startOfMonth() AND duedate <= endOfMonth()</p>

Create calculated measure



JQL

Report

Calculated measure

JQL condition AND with two DATES

project in (DA, DB) AND createdDate >= startOfMonth() AND createdDate <= endOfMonth() AND duedate >= startOfMonth() AND duedate <= endOfMonth()</p>

Create calculated measure

DEMO Alpha, DEMO Beta V

Current month ~

		Issues created	Issue created date	Issues with due date	Issue due date	Created ↓ and due date in the same priod
+ Jan 2022	DA-562	1	Jan 02 2022	1	Jan 30 2022	1
	DB-563	1	Jan 06 2022	1	Jan 30 2022	1
	DA-284		Apr 11 2021	1	Jan 09 2022	
	DA-302		May 01 2021	1	Jan 31 2022	
	DA-347		Jun 15 2021	1	Jan 30 2022	
	DA-348		Jun 16 2021	1	Jan 30 2022	
	DA-361		Jun 28 2021	1	Jan 23 2022	

JQL

Report

Calculated measure

JQL condition AND with two DATES

project in (DA, DB) AND createdDate >= startOfMonth() AND createdDate <= endOfMonth() AND duedate >= startOfMonth()

Create calculated measure

Validate each date separately. Use function DateInPeriod()

Define calculated member formula

```
[Measures].[ Created and due date in the : ] =
  1 NonZero(Sum(
      Filter(
        Descendants([Issue].CurrentMember,[Issue].[Issue]),
        --created in selected period
        DateInPeriod(
          [Issue].CurrentMember.Get('Created at'),
          [Time].CurrentHierarchyMember )
        --resolved in the selected period
        DateInPeriod(
 11
          [Issue].CurrentMember.Get('Due date'),
 12
          [Time].CurrentHierarchyMember )
 13
      [Measures].[Issues with due date]
 14
 15 ))
```

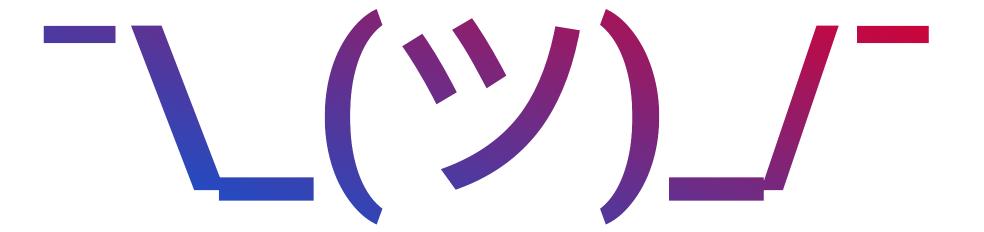
JQL

Report

Calculated measure

JQL condition comparing two DATES

JQL does not allow to compare two dates.



JQL

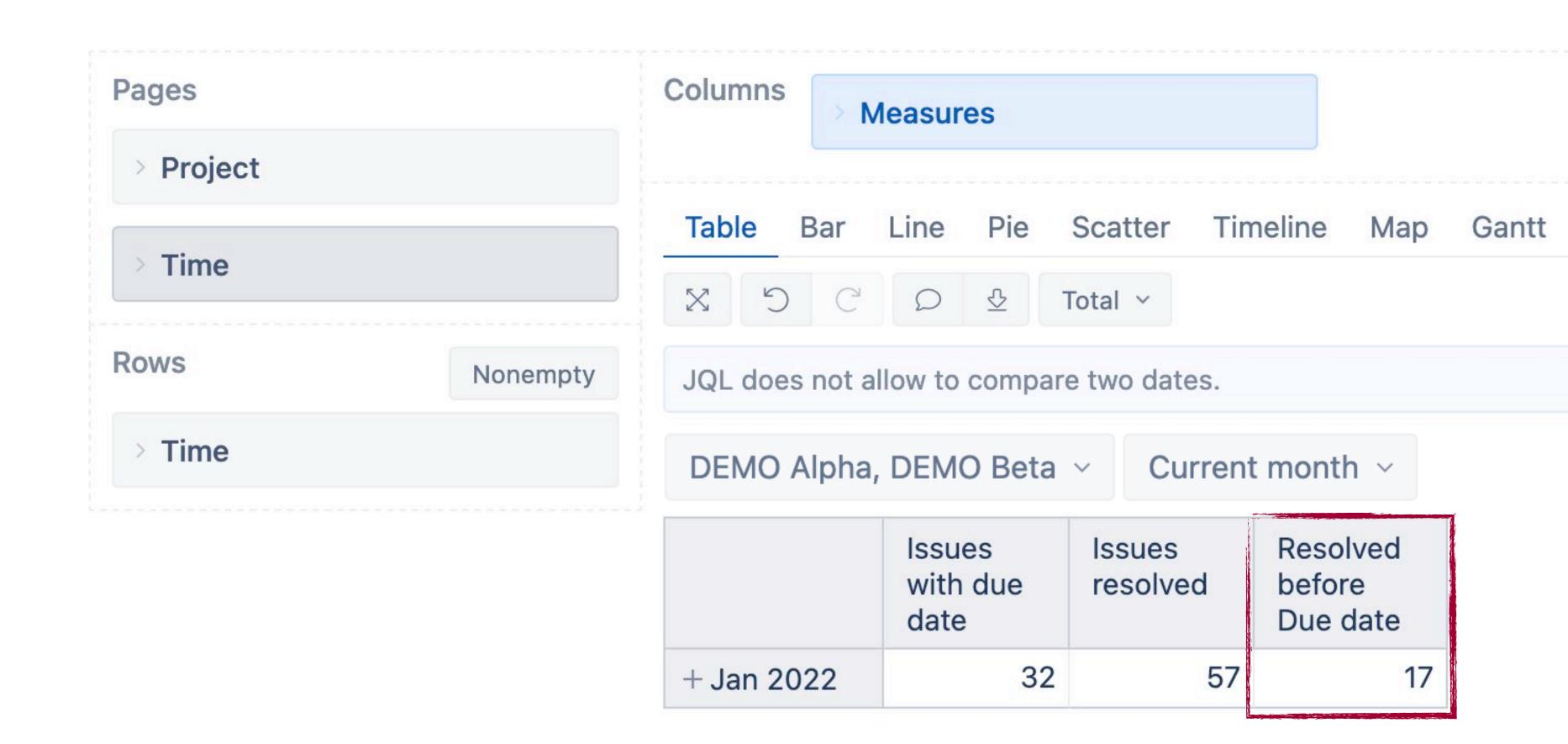
Report

Calculated measure

JQL condition comparing two DATES

JQL does not allow to compare two dates.

Create calculated measure



JQL

Report

Calculated measure

JQL condition comparing two DATES

JQL does not allow to compare two dates.

Create calculated measure

DEMO Alpha, DEMO Beta V

Current month ~

		Issues with due date	Issue due date	Issues resolved	Issue resolution date	Resolved before Due date
+ Jan 2022	DA-284	1	Jan 09 2022		Oct 25 2021	
	DA-302	1	Jan 31 2022		Oct 25 2021	
	DA-342		Dec 30 2021	1	Jan 17 2022	
	DA-347	1	Jan 30 2022	1	Jan 05 2022	1
	DA-348	1	Jan 30 2022		Dec 29 2021	
	DA-350			1	Jan 27 2022	
	DA-355			1	Jan 31 2022	
	DA-361	1	Jan 23 2022		Feb 07 2022	
	DV-363			1	lan 26 2022	

JQL

Report

Calculated measure

JQL condition comparing two DATES

JQL does not allow to compare two dates.

Create calculated measure

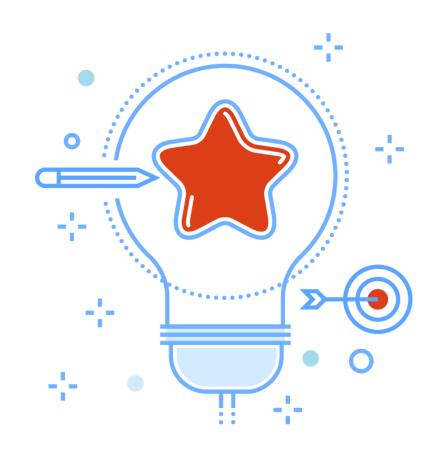
Use function DateCompare()

Define calculated member formula

```
[Measures].[ Resolved before Due date ] =
```

```
NonZero(Sum(
Filter(
Descendants([Issue].CurrentMember,[Issue].[Issue]),
    --resolved before due date
DateCompare(
    [Issue].CurrentMember.Get('Due date'),
    [Issue].CurrentMember.Get('Resolved at')
) >= 0
),
[Measures].[Issues resolved]
))
```

Translating JQL to eazyBl



Subject WHAT

Predefined measure of what you want to know



Objects CONDITIONS

Dimensions as filters to meet criteria



Tense WHEN

Time dimension together with measure representing date

All fields listed in JQL should be covered in eazyBl report with the same criteria.

Ευχαριστώ!

Dziękuję Ci!

谢谢!

Kiitos!

Danke!

תודה!

शुक्रिया

Tack!

Thank you!

Takk skal du ha!

Merci!

Aitäh!

Bacies!

ありがとう!

Obrigado!

Teşekkür ederim!

Дякую!

شكر اك!

¡Gracias! Tak skal du have!

Ačiū!

Dank u!

