



**COMMUNITY
DAYS 2023**

The More the Merrier: easyBI Integration With Jira Apps

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COMMUNITY DAYS 2023

- **Integrations for reporting**
Why integrations matter and why we care about them?
- **Jira applications and apps in eazyBI**
Jira Software, Jira Service Managament, Tempo, Xray, and more
- **Reports in Confluence**
Share and analyse!

Integrations for reporting in eazyBI

easyBI is a
business intelligence tool
for data analysis and visualisation
with built-in **Jira** and **Confluence**
data import



Why integrations matter?

- **Analyze data from different business areas**

Different apps for operational data, one reporting tool

Analyze Atlassian and Marketplace apps

 Jira Software

 Bamboo

 Bitbucket

 Jira Service Management

 Advanced Roadmaps

 Tempo

 XRAY

 ELEMENTS CONNECT

 PROJECTRAK DEISER

 Zephyr Scale

 Zephyr Squad

 Jira Misc Custom Fields

 ScriptRunner for Jira

Why integrations matter?

- **Analyze data from different business areas**
Different apps for operational data, one reporting tool
- **Data mapping is already built-in**
ETL process is in place

Data mapping from scratch

sales1997-02.csv  Cube: Sales

[Back to list](#)

Column mapping cannot be edited after file import.

Header rows 1 Hide unmapped columns

gender	product_family	product_department	product_category	product_subcategory	brand_name	product_name	the_date	store_sales	store_cost	unit_sales
<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="date"/>	<input type="text" value="decimal"/>	<input type="text" value="decimal"/>	<input type="text" value="integer"/>
Gender	Products	Products	Products	Products	Products	Products	Time	Measures	Measures	Measures
	Product Fam	Product Departme	Product Categ	Product Subcatego	Brand Name	Product Narr		Store Sales	Store Cost	Unit Sales
								Scale 2	Scale 4	
F	Drink	Beverages	Drinks	Flavored Drinks	Fabulous	Fabulous Mango Drink	Feb 01 1997	8.52	3.5784	3
F	Food	Baking Goods	Jams and Jellies	Jam	Super	Super Grape Jam	Feb 01 1997	7.56	2.7216	4
F	Food	Baking Goods	Baking Goods	Cooking Oil	Landslide	Landslide Corn Oil	Feb 01 1997	4.92	1.6236	4
M	Food	Produce	Vegetables	Fresh Vegetables	High Top	High Top Asparagus	Feb 01 1997	4.29	1.5015	3
M	Non-Consumable	Household	Paper Products	Paper Wipes	Cormorant	Cormorant Scented Tissue	Feb 01 1997	5.82	1.8042	3
F	Non-Consumable	Household	Kitchen Products	Pot Scrubbers	Sunset	Sunset Copper Pot Scrubber	Feb 01 1997	5.30	2.1730	2

Why integrations matter?

- **Analyze data from different business areas**
Different apps for operational data, one reporting tool
- **Data mapping is already built-in**
ETL process is in place
- **Continuous maintenance**
When both tools are a developing, integration must be developed, too

 Jira & apps

 Confluence

{REST:API}

 Excel

 SQL

 Google Sheets

 CSV

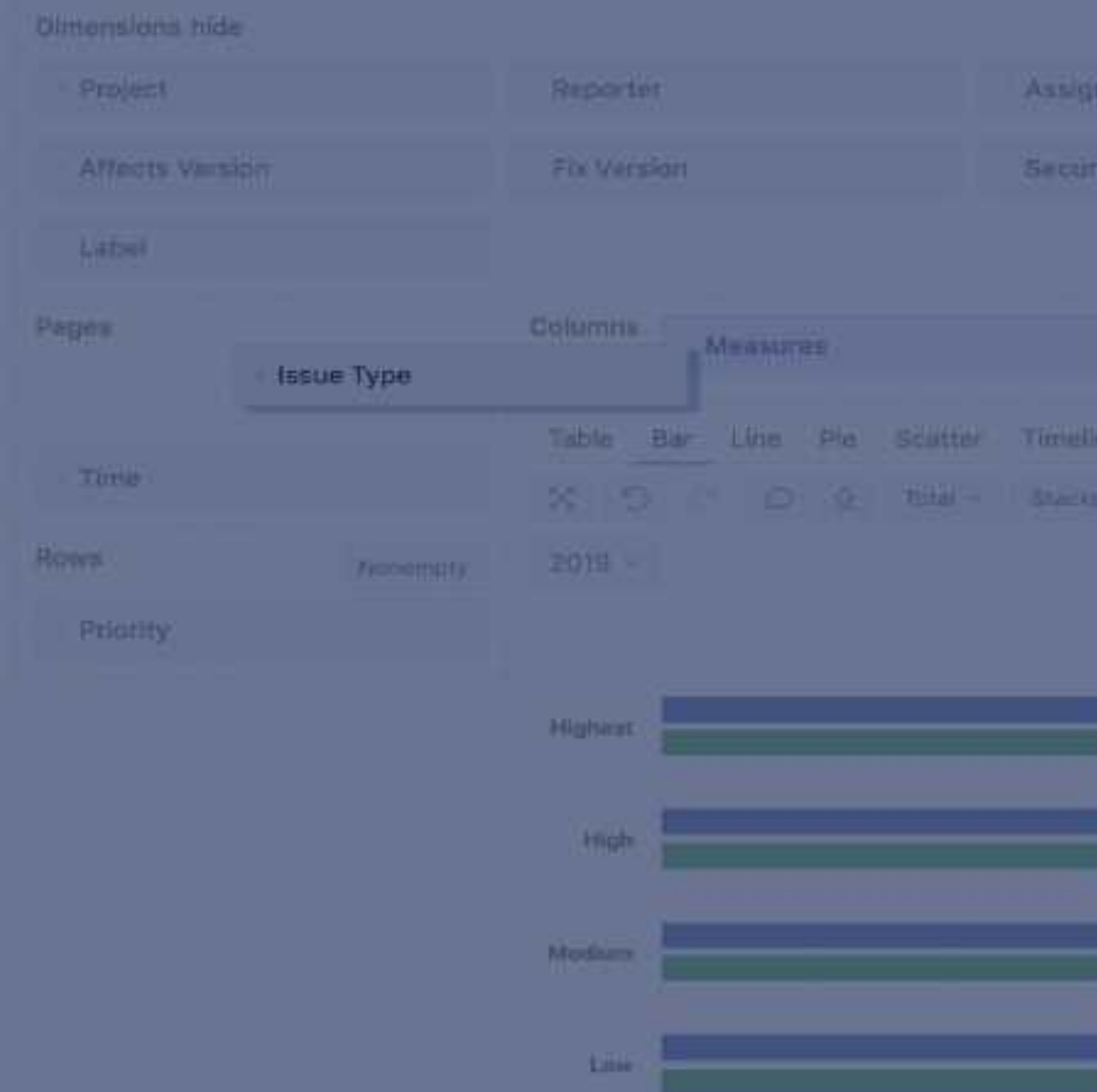
IMPORT DATA



CREATE REPORTS



PUBLISH



Import data from applications and apps

Jira import options

General Add-ons Custom fields Additional options

Advanced Roadmaps Custom fields

Read more about [Advanced Roadmaps custom fields](#)

Custom field	Import as dimension	Import as measure	Import as property	Import value changes	Advanced settings
Earliest start		<input type="checkbox"/>	<input type="checkbox"/>		
Original Story Points		<input type="checkbox"/>	<input type="checkbox"/>		
Parent Link	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Target end		<input type="checkbox"/>	<input type="checkbox"/>		
Target start		<input type="checkbox"/>	<input type="checkbox"/>		
Team	<input type="checkbox"/>		<input type="checkbox"/>		

DevOps

Read more about [DevOps data import](#).

Incident issue types

Bug × Bug × Bug × Bug × Bug × Incident ×

Select Issue types you would like to be counted as incident issues

Import Jenkins data

Jira & apps

Confluence

{REST:API}

Excel

SQL

Google Sheets

CSV

IMPORT DATA



CREATE REPORTS



PUBLISH



Building blocks

Dimensions [hide](#)

- | | | | |
|---------------------|--------------|---------------------|---------------|
| > Project | > Reporter | > Assignee | > Issue Type |
| > Status | > Resolution | > Affects Version | > Fix Version |
| > Issue | > Logged by | > Label | > Time |
| > Transition Status | > Transition | > Transition Author | |

Advanced Roadmaps [hide](#)

- | | | | |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|
| > Advanced Roadmaps Epic | > Advanced Roadmaps Feature | > Advanced Roadmaps Improvement | > Advanced Roadmaps Milestone |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|

Software [show 3 dimensions](#) User groups [show 1 dimension](#)

Measures

Filter measures by name

Predefined

- Issues created
- Issues due
- Issues resolved
- Issues closed
- Issues with due date
- Issues last updated
- Sub-tasks created
- Sub-tasks due
- Sub-tasks resolved
- Sub-tasks closed
- Transitions to status
- Transitions from status
- Days in transition status
- Workdays in transition status
- Days in transition
- Workdays in transition
- Days assigned
- Workdays assigned
- Open issues = [show](#)
- Average resolution days = [show](#)
- Average resolution workdays = [show](#)
- Average closing days = [show](#)
- Average age days = [show](#)
- Average age workdays = [show](#)
- Issues history = [show](#)
- Average days in transition status = [show](#)
- Average workdays in transition status = [show](#)
- Average days assigned = [show](#)
- Average workdays assigned = [show](#)
- Transition to status first date = [show](#)
- Transition to status last date = [show](#)
- Transition from status first date = [show](#)
- Transition from status last date = [show](#)
- Transitions to assignee = [show](#)
- Transitions from assignee = [show](#)

Advanced Roadmaps [hide](#)

- Original Story Points created
- Original Story Points due
- Original Story Points resolved
- Original Story Points closed
- Original Story Points with due date
- Original Story Points with target end
- Original Story Points with target start
- Issues with Target end
- Issues with Target start

Distinct issues count [show 6 measures](#)

Issue properties [show 36 measures](#)

Other properties [show 6 measures](#)

Software [show 43 measures](#)

Time Tracking [show 10 measures](#)

Jira & apps

Confluence

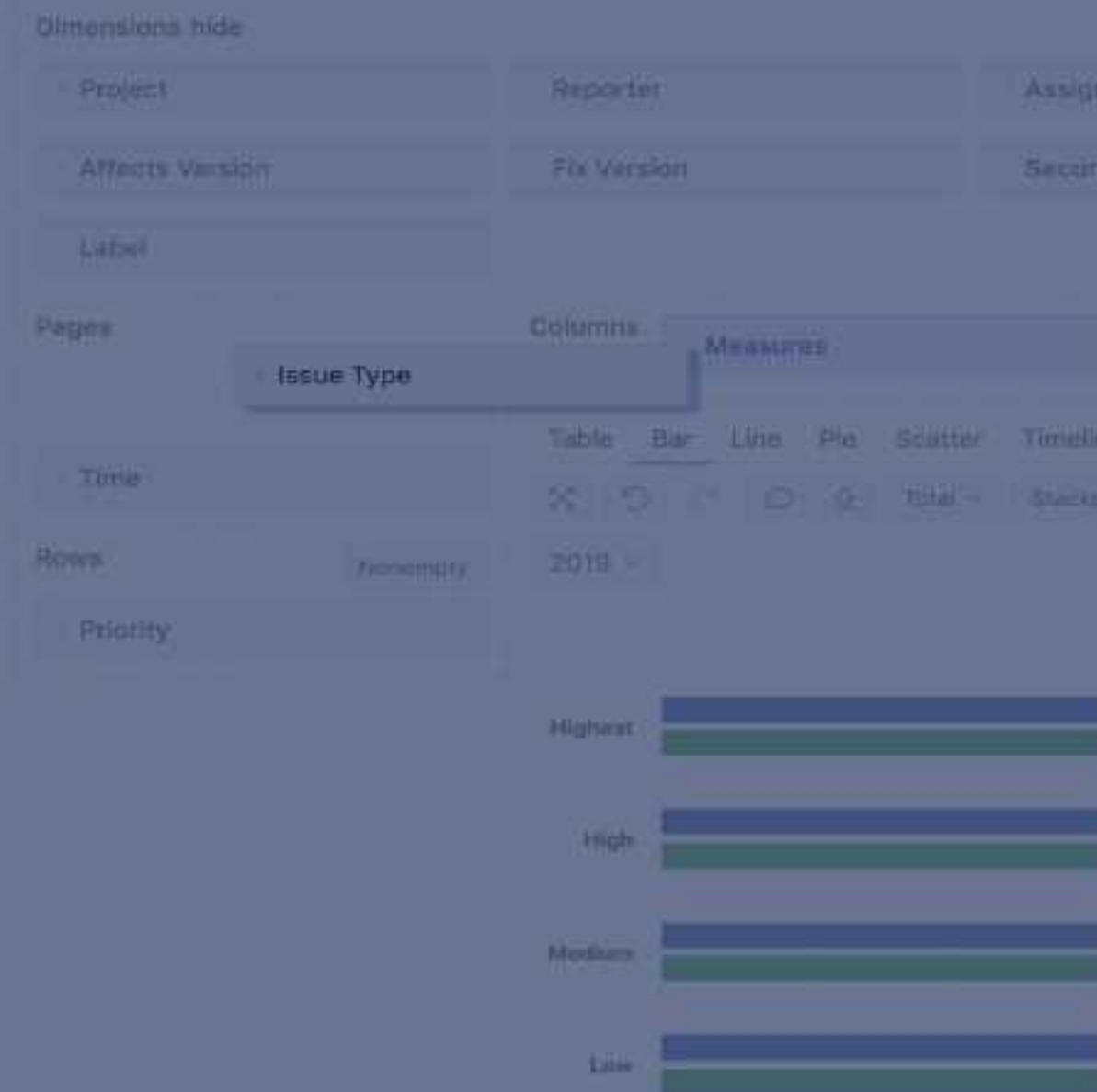
{REST:API}

Excel

SQL

Google Sheets

CSV



IMPORT DATA



CREATE REPORTS



PUBLISH

Use cases

Jira Software

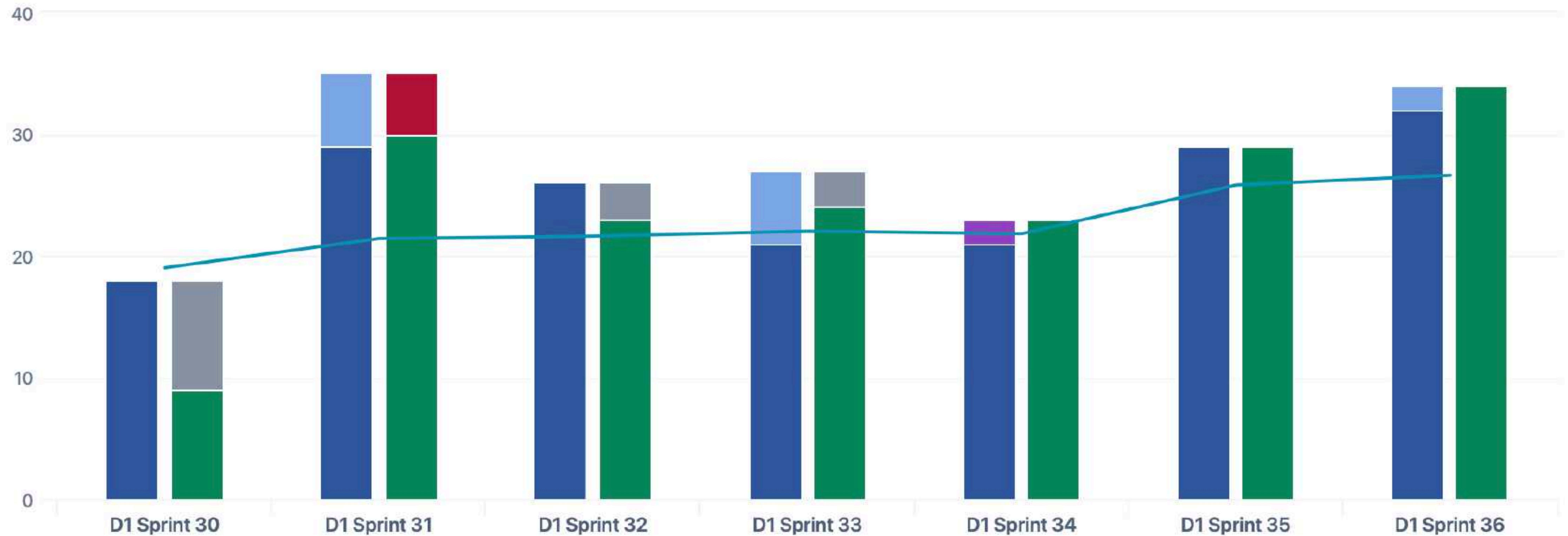
Jira Service Management

- **Sprint balance report**
Jira Software data from different angles
- **SLA overview reports**
Combine SLAs and Jira Core information

Sprint balance report

DEMO Alpha ▾

- Sprint Story Points committed
- Sprint Story Points completed
- Running Story Points velocity for 5 closed sprints
- Sprint Story Points added
- Sprint Story Points removed
- Sprint Story Points change
- Sprint Story Points not completed



Sprint balance report

DEMO Alpha ▾

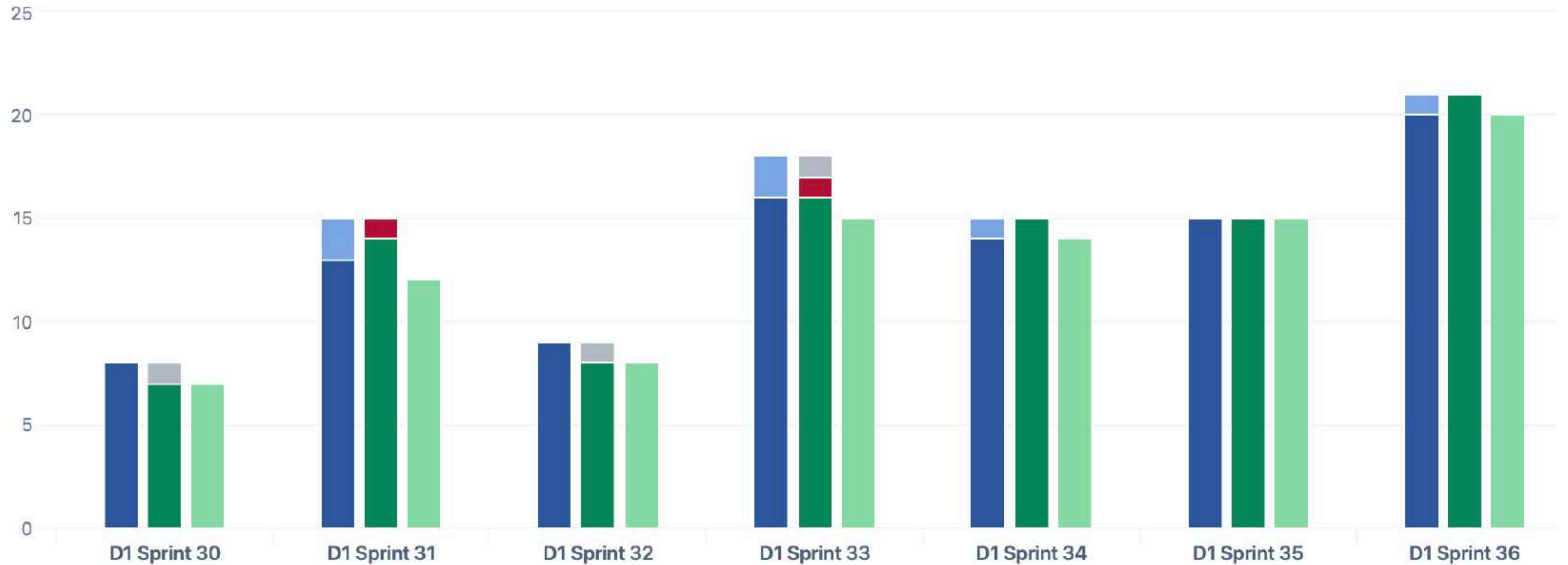
All Sprints ▾

All Issue Types ▾

■ Sprint issues committed
■ Sprint issues removed

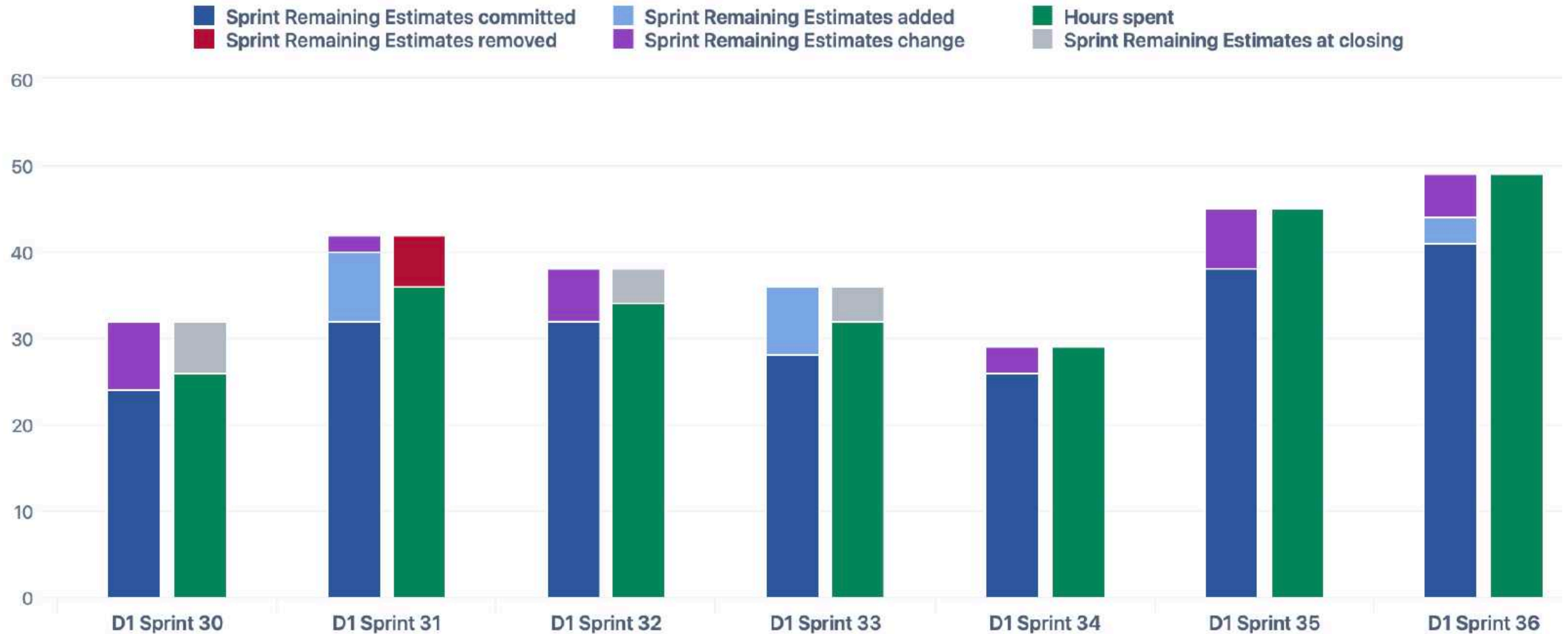
■ Sprint issues added
■ Sprint issues not completed

■ Sprint issues completed
■ Sprint issues completed of committed



Sprint balance report

DEMO Alpha ▾



Time to resolution by weeks

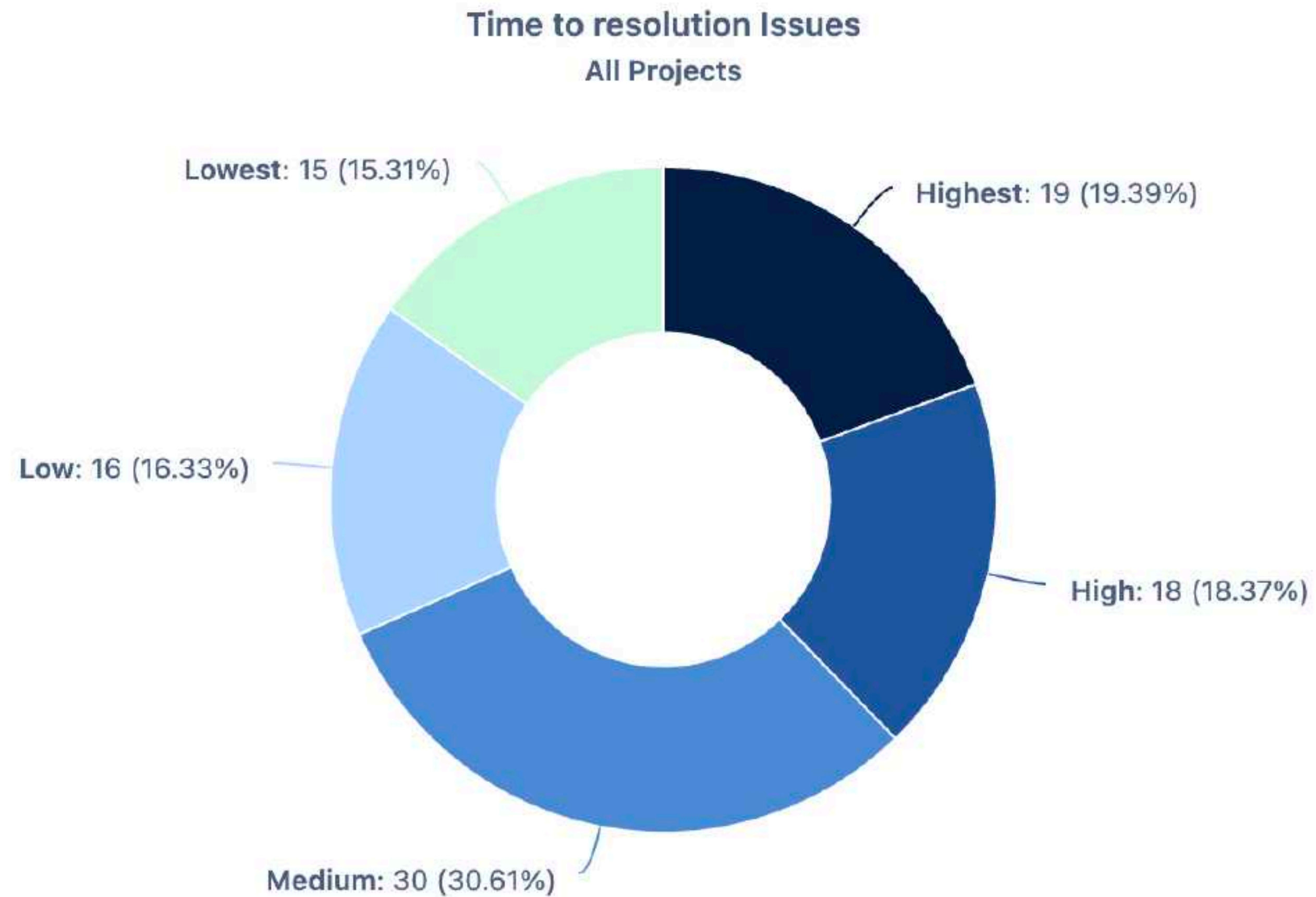


Time to resolution issues by priorities

Selected date range ▾

All Projects ▾

All Issue Types ▾



SLA overview by project

Selected date range ▾ ITSM Project ▾ All Issue Types ▾ All Priorities ▾

ITSM Project

Time to first response - Met %

88.66%

Time to resolution - Met %

88.78%

Time to resolution trend



Average Satisfaction with satisfaction date

3.68

Average satisfaction trend



Tempo Time tracking and Planning

- **Estimate vs actual hours**
Extend Tempo reports
- **Hours burn-up**
Planned, actual, required

Estimate vs. actual



Hours burn-up chart



Hours burn-up chart



Reports on Xray data

- **Testing metrics**
Represents test executions, tests, requirements, found defects and runs.
- **Test plan overview**
As well as requirement, test execution, test set overviews
- **Testing + development**
Development issues and testing results side by side in one report

Testing entities and metrics

> Xray Test

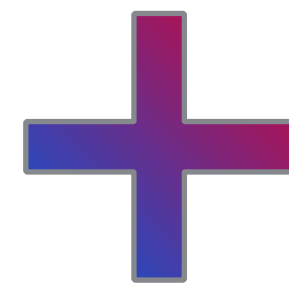
> Xray Test Set

> Xray Test Execution

> Xray Test Plan

> Xray Requirement

> Xray Defect



Measures

xray



Predefined

Xray hide

Xray Tests created

Xray Test Executions created

Xray Requirements created

Xray Tests defect count

Xray Tests executed

Xray Tests executing

Xray Tests scheduled

Xray Tests with executions

Xray Test Runs

Xray Test last executed date = [show](#)

Xray Test last executed by = [show](#)

Xray Test last execution status = [show](#)

Xray Tests executed first date = [show](#)

Xray Tests executed last date = [show](#)

Xray Test Test Plans = [show](#)

Xray Execution Test Plans = [show](#)

Xray average Test Run duration = [show](#)

Xray Tests execution summary = [show](#)

Xray Defect status = [show](#)

Xray Defect created = [show](#)

Xray Defect assignee = [show](#)

User defined

Test Plan overview

XDOG-102 Testing in Sprint 3 ▾

XDOG_DEV, XDOG_QA ▾

Xray Test Execution	Test Execution Begin date	Test Execution End date	Xray Test Runs						Xray Tests with executions			Xray Tests defect count		
			PASSED	TO DO	EXECUTING	FAILED	NEED_REVIEW	ABORTED						
									+ Cucumber	+ Generic	+ Manual			
												+ To Do	+ In Progress	+ Done
XDOG-126	Jan 05 2023	Jan 12 2023	7	4	6	8	5	1	31					
XDOG-127	Jan 31 2023	Feb 02 2023	33		2	10	4	2	42	9				
XDOG-142	Feb 20 2023	Feb 21 2023	13			6	1		11	9				
XDOG-143	Mar 02 2023	Mar 09 2023	64		4				11	39				
XDOG-144	Mar 13 2023	Mar 16 2023	7	17				1	31			4	1	
XDOG-153	Mar 20 2023	Mar 21 2023	3						2	2				
XDOG-159	Mar 30 2023	Mar 31 2023	33						8	24	8	1		
XDOG-165	May 07 2023	May 08 2023	30			10			9	23	8			
XDOG-166	May 09 2023	May 10 2023	31			9			8	25	7			

- ↻ Drill through test executions
- 📄 Drill through Test
- ↻ Drill across >

Requirement coverage in active sprint

Pages: Nonempty

- > Xray Test Plan
- > Fix Version
- > Sprint

Columns: Measures, Xray Defect Status

Table | Bar | Line | Pie | Scatter | Timeline | Map | Gantt | Gauge

Hide empty | Xray Requirements created > 0 | All others | Total

All Xray Test Plans | All Fix Versions | **Active Sprints**

Rows: Nonempty

- > Xray Requirement

Xray Requirement	Xray Requirement Status	Completed vs assigned tests %	Xray Tests defect count		
			+ To Do	+ In Progress	+ Done
XDOG-101	Done	100%		4	1
XDOG-167	To Do	0%			
XDOG-168	In Progress	100%			
XDOG-19	Done	50%			
XDOG-91	In Progress	100%	6		

Demo use case - Active Sprint progress

Active Sprints ▾ All Issue Types ▾ All Priorities ▾

XDOG Sprint 3



eazyBI for Confluence

- **Publish on Confluence**
Recommended way to publish eazyBI reports on Confluence pages.
- **Tasks and To-do list**
Metrics to see planned and completed tasks, group by status and assignees.
- **Content health**
Analyse how the Confluence content is used and if it is up to date

Confluence / Wiki



Documentation

More ▾

Create

...

Search



Overview

The report shows how many unresolved issues were in different statuses over time. To be able to create such reports, please make sure you have selected [Import issues change history](#) in Source data import options.



eaZyBI Unresolved issues by statuses over time

Last 12 months ▾

All Projects ▾

All Issue Types ▾

All Priorities ▾

All Assignees ▾

(unresolved) ▾

Issues history

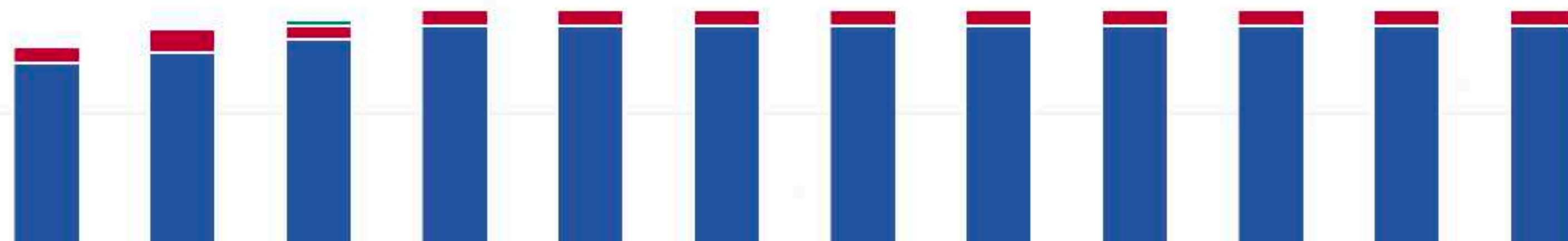
■ To Do

■ In Progress

■ Review

600

400



Tasks across pages and spaces

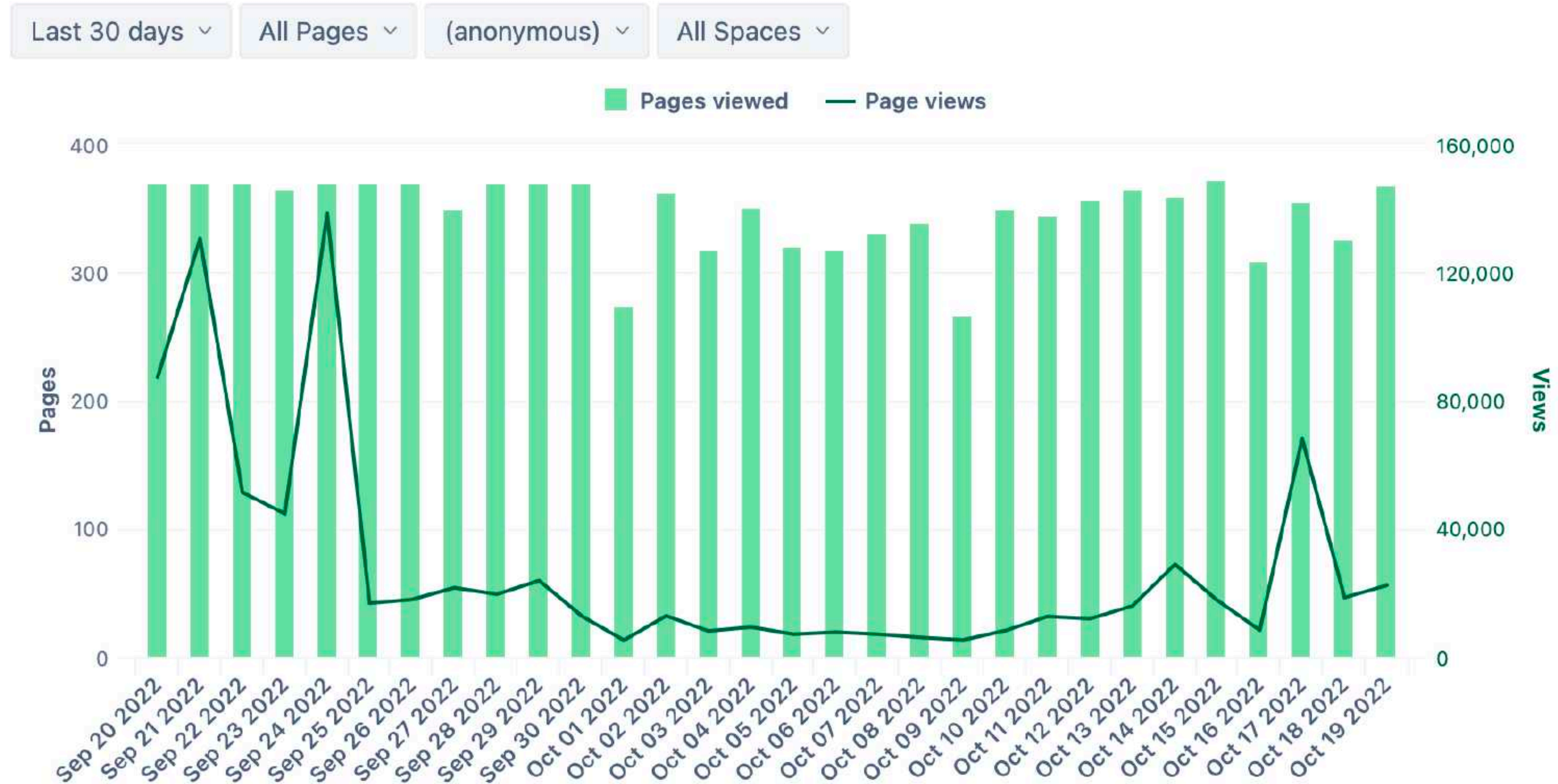
My To-Do list

Demonstration All Task Statuses Current User

Task	Task completion status	Task status	Task assignee	Task created date	Task due date ↑	Task completed date	Tasks created	Tasks completed	Overdue tasks
Create a separate dashboard to represent all chart types @Zane Baranovska		Uncompleted	Zane Baranovska	Jul 29 2022			1		
Update video links for documentation page @Zane Baranovska		Uncompleted	Zane Baranovska	Jul 29 2022			1		
Create Attachment report template for D B 2		Completed	Zane Baranovska	Jul 29 2022	Jul 09 2022	Oct 11 2022	1	1	
C d t C f Baranovska until 2022-08-14		Uncompleted	Zane Baranovska	Jul 29 2022	Aug 14 2022		1		1
Total							4	1	1

- Drill across
- Select this
- Remove
- Go to source
- Display name

When our customers require information?



When our customers require information?

Last 30 days ▾ All Pages ▾ (anonymous) ▾ All Spaces ▾

	Page views						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00	1,425	4,939	11,265	3,219	3,341	4,841	4,684
01	1,367	5,214	4,941	2,609	3,640	2,873	6,658
02	1,341	7,584	5,246	3,332	3,234	3,556	3,260
03	1,250	6,534	4,606	3,551	3,232	3,517	5,176
04	1,661	7,730	6,388	3,531	2,442	2,835	1,966
05	1,246	6,085	5,145	2,775	3,433	3,170	1,355
06	4,993	10,311	5,756	4,181	3,908	3,504	983
07	9,429	5,942	5,972	4,902	3,746	4,888	682
08	9,723	5,354	5,787	3,437	3,631	2,822	857
09	10,230	8,536	5,969	4,021	7,389	3,019	987
10	9,427	8,241	6,212	3,367	6,721	5,954	814
11	10,295	4,766	7,554	4,402	7,382	7,944	935
12	5,948	6,167	7,114	5,239	8,689	4,391	859
13	3,721	10,148	18,893	5,841	2,946	4,777	826
14	2,304	7,005	15,073	6,327	3,184	6,154	1,187

Confluence analytics we use in eazyBI

The screenshot shows the eazyBI Documentation page. At the top left is the eazyBI logo and the word "Documentation". To the right is a search bar with the text "Search". Below the search bar are navigation tabs: "All", "eazyBI for Jira", "eazyBI for Confluence", and "Private eazyBI". The main content area consists of six cards arranged in a 2x3 grid:

- Getting Started Jira** (green rocket icon):
 - Main concepts
 - Data model
 - eazyBI for Jira Licensing
- Set Up & Administer** (blue gears icon):
 - Jira Cloud app
 - Jira Server app
 - Jira Data Center
- Data Import** (purple arrow icon):
 - Data from Jira
 - Jira custom fields
 - Data from Jira apps
- Analyze & Visualize** (orange pie chart icon):
 - Create reports
 - Create charts
 - Calculated measures and members
- Publish Reports** (yellow nodes icon):
 - Create eazyBI dashboards
 - Publish in Jira dashboards
 - eazyBI in Confluence pages
- Learn More** (teal book icon):
 - Demo accounts
 - Learn eazyBI through examples
 - Training videos



Is content up to date?

Pages not updated for a while

List of pages for content review ordered for the last update date.
Those pages have not been updated for a while and users have visited them in the last 30 days.

easyBI | All Page Types | All Labels | All Authors | All Viewers | Last 30 days

Page	Page updated date ↑	Page views	Page Collaborators
Round	Dec 01 2017	1,249	Mārtiņš Vanags
ParallelPeriod	Oct 08 2018	1,410	Mārtiņš Vanags
Ancestor	Jan 15 2019	1,411	Ilze Leite-Apine
Val	Nov 28 2019	1,562	Lauma Cirule, Raimonds Simanovskis, Zane Baranovska
Example import using Auth0.com	Nov 16 2020	549	Gatis Tomsons
Created vs resolved issues over time	Jan 06 2021	1,458	Gerda Grantiņa, Zane Baranovska
Cumulative flow diagram	Jan 06 2021	1,708	Gerda Grantiņa
Unresolved issues by component and priority	Jan 06 2021	1,210	Gerda Grantiņa

Have we covered the key words?

Top Search Queries

Last 30 days (Scroll Viewport)

Search Query	Searches ↓	Average number of results
filter	147	68.73
undefined	107	0.08
date	69	60.43
sum	60	31.75
matches	52	34.12
case	44	52.73
aggregate	43	42.91
descendants	41	21.61
count	38	41.58

Search Queries without results

Last 30 days (Scroll Viewport)

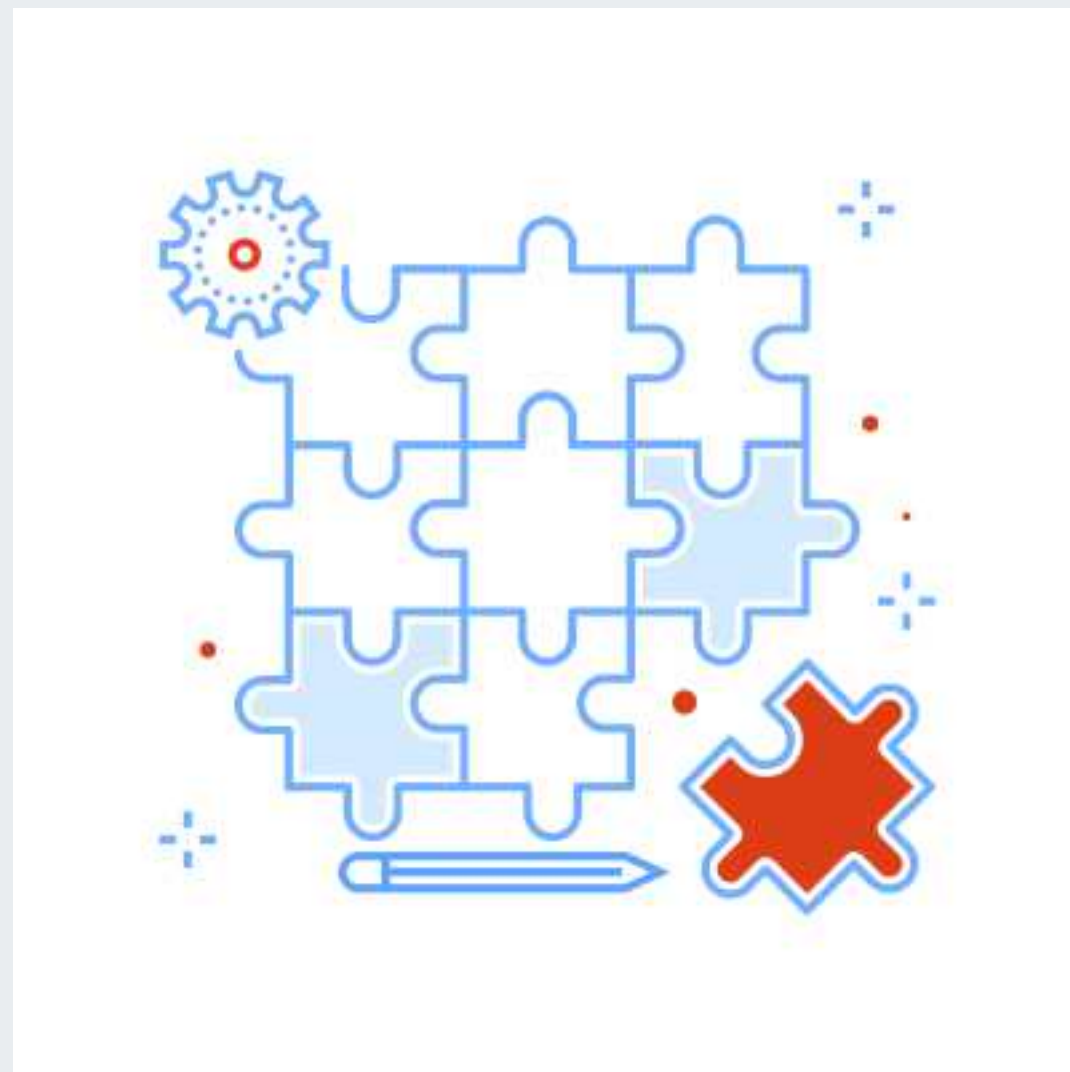
Search Query	Searches ↓	Average number of results
datediff	19	0.00
dat	15	0.00
not	13	0.00
iss	12	0.00
if	11	0.00
getannotation	10	0.00
asdf	9	0.00
<>	8	0.00
mea	8	0.00



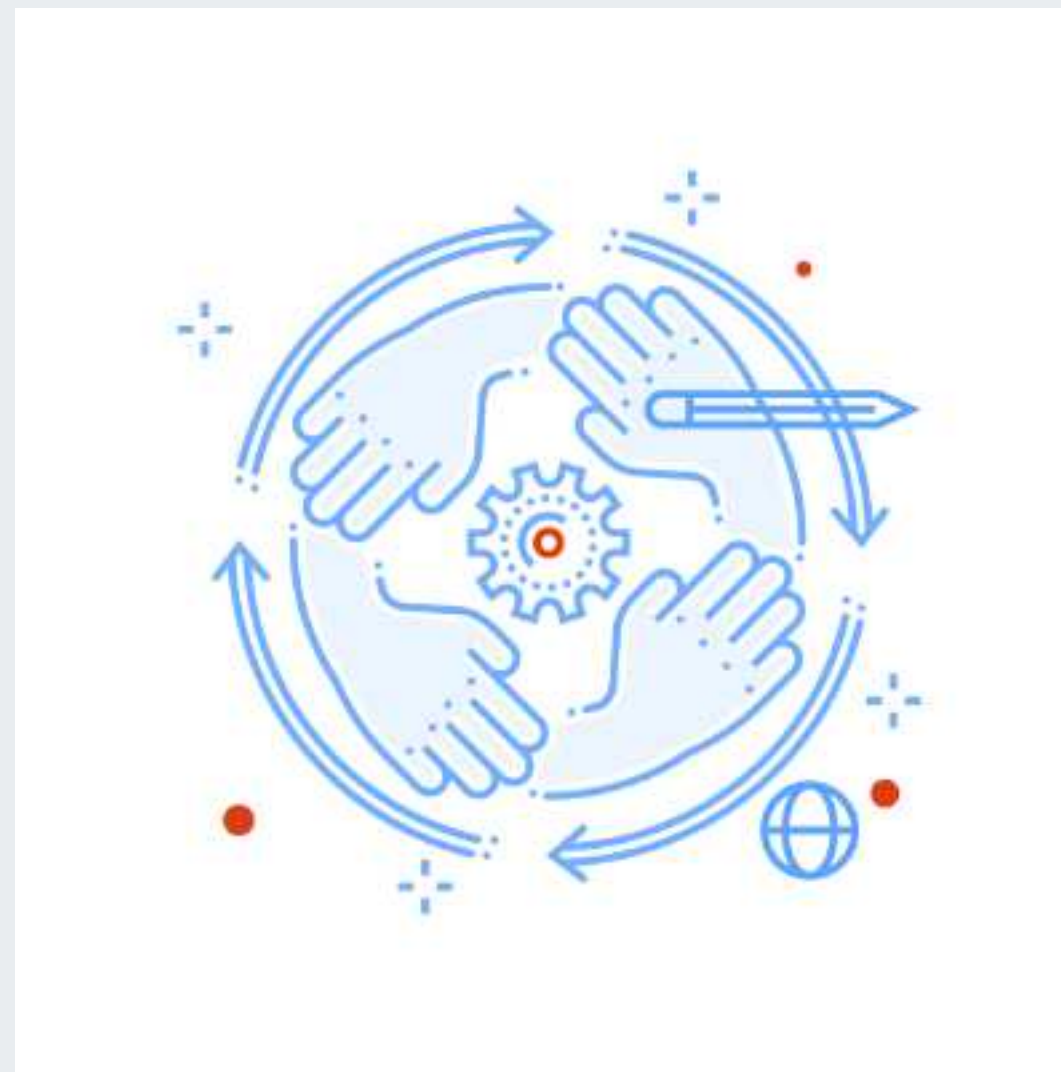
How? Why? Where?

eaZyBI
■ ■ ■ _ ■ ■ can help you to **find**
answers

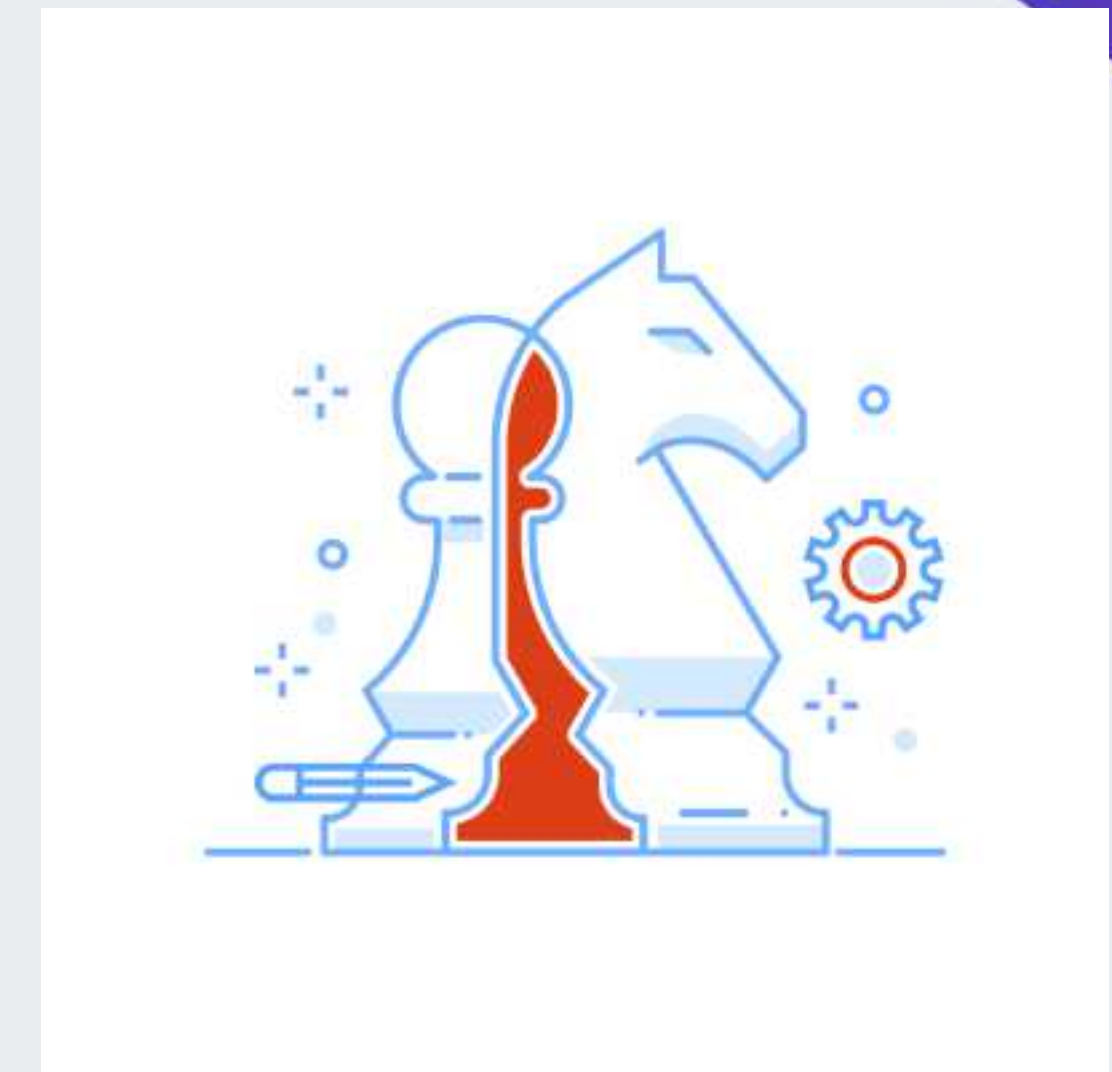
Why eazyBI?



Data from Jira apps



Synchronisation



Simple or complex

Thank you!

eazybi.com
community.eazybi.com
support@eazybi.com

