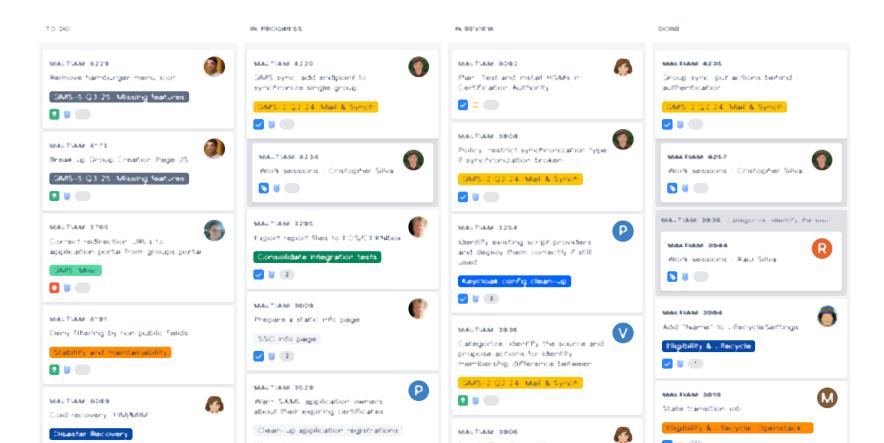
Tracking issues with JIRA? Let's visualize epics' status and progress

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JIRA is great for issue tracking, work planning, sprints etc.



JIRA reporting is also rich and powerful

Agile



Burndown Chart

Track the total work remaining and Track the total scope independently from project the likelihood of achieving the the total work done. This helps your team sprint goal. This helps your team manage manage its progress and better its progress and respond accordingly. understand the effect of scope change

Burnup Chart

Created vs. Resolved Issues Report

Maps created issues versus resolved

issues over a period of time. This can

backlog is growing or shrinking.

help you understand whether your overall

Issue analysis



Average Age Report

Shows the average age of unresolved issues for a project or filter. This helps you see whether your backlog is being kept up to date.

Forecast & management



Time Tracking Report

Shows the original and current time estimates for issues in the current project. This can help you determine across projects. This helps you whether work is on track for those issues. understand the user's workload better. You can either analyze the report in you browser or use a CSV file.

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User Workload Report	Version Workload Report
Shows the time estimates for all unresolved issues assigned to a user	Shows the time estimates for all unresolved issues assigned to a

Sprint Report

excessive scope creep.

Pie Chart Report

Shows a pie chart of issues for a

set of issues, at a glance,

project/filter grouped by a specified field.

This helps you see the breakdown of a

Linderstand the work completed or

pushed back to the backlog in each

sprint. This helps you determine if your

team is overcommitting or if there is

Velocity Chart

future sprints

with incoming work.

Track the amount of work completed

from sprint to sprint to determine your

team's velocity and estimate the work

your team can realistically achieve in

unresolved issues assigned to a version, broken down by user and issues. This helps you understand the remaining work for the version.



Cumulative Flow Diagram This helps you identify potential

Shows the statuses of issues over time bottlenecks that need to be investigated



Track the projected release date for a version. This helps you monitor whether the version will release on time, so you can take action if work is falling behind

Single Level Group By Report

Shows issues grouped by a particular

field for a filter. This helps you group

search results by a field and see the

overall status of each group.

Time Sheet Report

sheet over specified period.

Report displaying users worked time

Epic Report Understand the progress towards completing an epic over time. This helps you manage your team's progress by

Control Chart

Shows the curie time for your product version or sprint. This helps you identify whether data from the current process can be used to determine future. nerformance behind.



Epic Burndown Track the projected number of sprints

Release Burndown

required to complete the epic (optimized for Scrum). This helps you monitor whether the enic will release on time, so you can take action if work is falling

Track the projected release date for a version (optimized for Scrum). This helps you monitor whether the version will release on time, so you can take action if work is falling behind.

tracking the remaining incomplete/upestimated work



Time Since Issues Report

For a date field and project/filter, maps the issues against the date that the field was set. This can help you track how many issues were created, updated, etc. over a period of time

TIME-3 Hindenbug 1h TIME-4 Mega problem TP-2 Loch Ness Monster Bug 7h

Timespent Report

Report displaying a time spent during specified period



Traceability Matrix Report



cells. The columns and rows are limited to 1000. The columns are got first and the rows later to fit ~10.000 cells. Ex (100x100), (250x40), (1000x10), (1x1000)etc. Please, select the filters for the rows and columns:



or filter as a pie chart.

... however, I want something **simpler** and **more flexible**!

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Other

Project Pivot Report

over a specified period

Report displaying a time spent by users



First, get the data from JIRA

1. <u>Search</u> for JIRA issues (including epics)

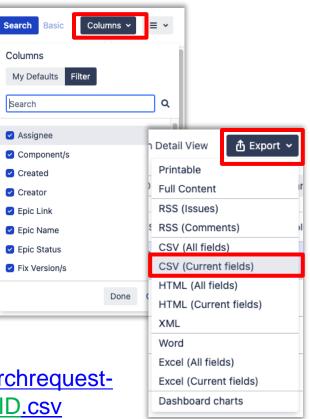
- can be generic (include more issues than needed)
- optionally, save that filter for future reuse

2. Select (at least) these columns:

Created, Epic Link, Epic Name, Epic Status, Issue Type, Key, Resolved, Status, Summary, Updated

3. Export as "CSV (current fields)" to tickets.csv

Direct URL: <u>https://its.cern.ch/jira/sr/jira.issueviews:searchrequest-</u> <u>csv-current-fields/FILTER_ID/SearchRequest-FILTER_ID.csv</u>



DEMO

<u>https://gitlab.cern.ch/slopiens/jira-progress-visualisation</u>

Let's start with a single JIRA Epic

Input:

🖊 test1.txt

https://its.cern.ch/jira/browse/MALTIAM-3345

Outputs:

- \$./show-progress.py test1.txt
- https://its.cern.ch/jira/browse/MALTIAM-3345: 🗹 🏹 🗹 🔀 📈 🗕 🔲 🔽
- \$./show-progress.py test1.txt txt
- Guest accounts improvements

\$./show-progress.py test1.txt md

[Guest accounts improvements](https://its.cern.ch/jira/browse/MALTIAM-3345): 🗹 🏹 🗹 🔀 🔽 — 🔲 🔽

Displaying multiple Epics

Input:

🖊 test	t2.md > 🔤 # My project
1	# My project
2	(Markdown headers are used)
3	
4	Any format is OK:
5	
6	<pre>https://its.cern.ch/jira/browse,MALTIAM-2176</pre>
7	MALTIAM-3210
8	[Guest accounts improvements](<u>https://its.cern.ch/jira/browse</u> /MALTIAM-3345)
9	<pre>* Keycloak theme improvements: MALTIAM-3344</pre>
10	
11	Lnes with no JIRA issue key (XXXXXX—dddd) — matching \b[A—Z\d]{2,20}-\d{1,5}\b
12	are ignored

Displaying multiple Epics

\$./show-progress.py test2.md txt

My project

Application registration Application management Guest accounts improvements Keycloak theme improvements

Bonus: animate progress over time!

./show-progress.py test2.md animate

My project

Add internationalization support Update backend stack General usability improvements Frontend fixes

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Thank you for your attention

Feel free to use, and adapt this code: <u>https://gitlab.cern.ch/slopiens/jira-progress-visualisation</u>