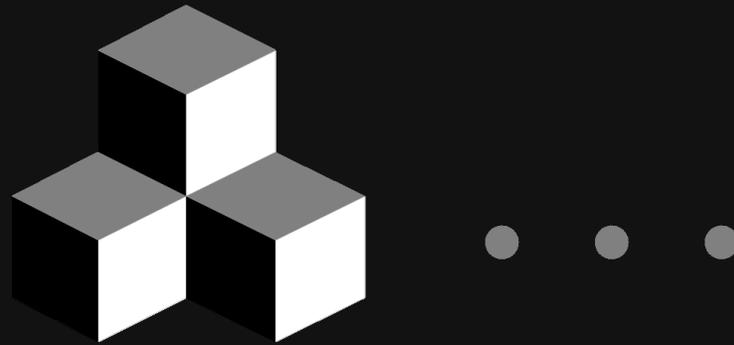


Addressing the Future of ABAP: The Power of Open Source



Marc Bernard - June 2024

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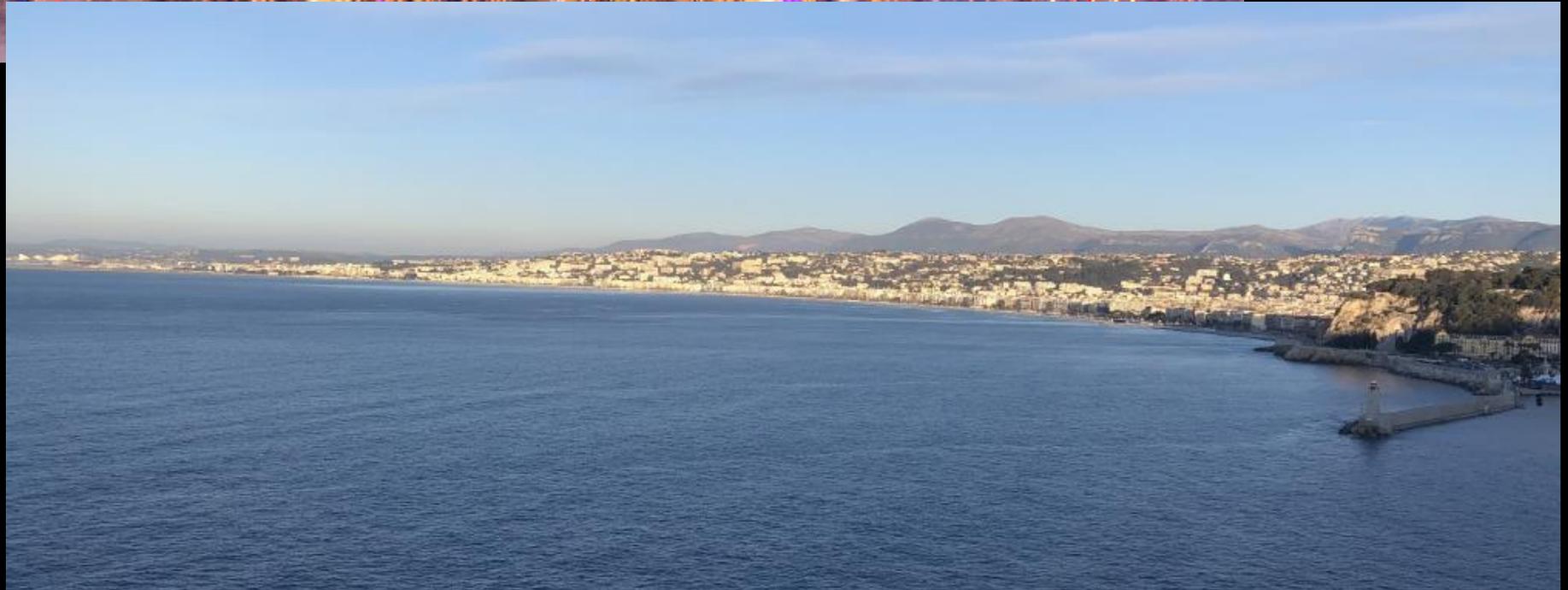


Chief Architect for Data Warehousing at SAP

~ 22 years

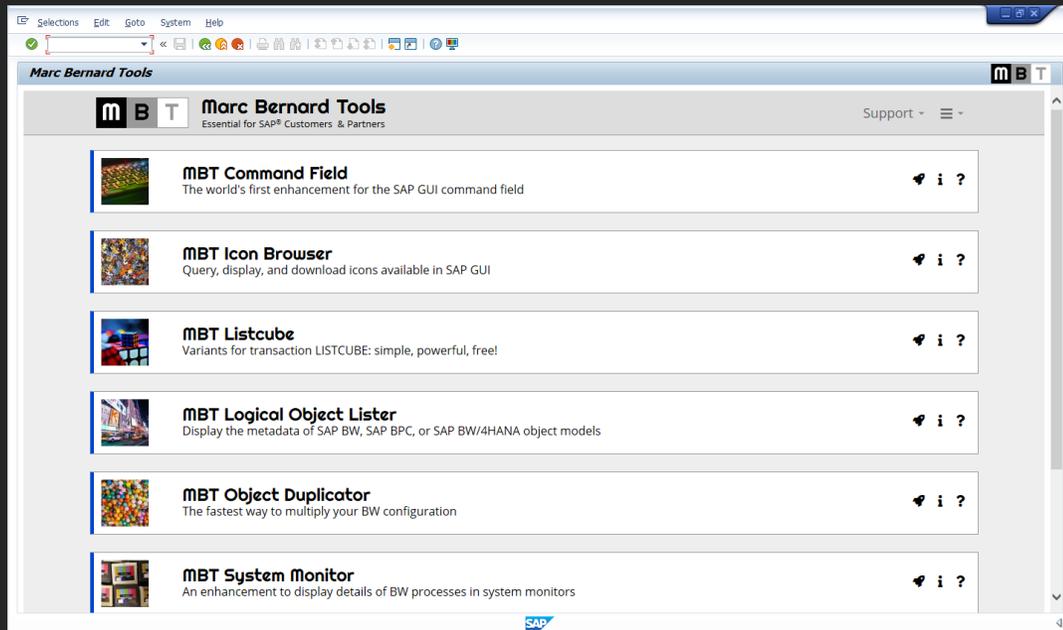






Marc Bernard

Building awesome open-source tools for SAP customers, partners, and developers



Bootstrapping  Marc Bernard Tools 

Top Contributor to  **abapGit**



@mbtools on GitHub

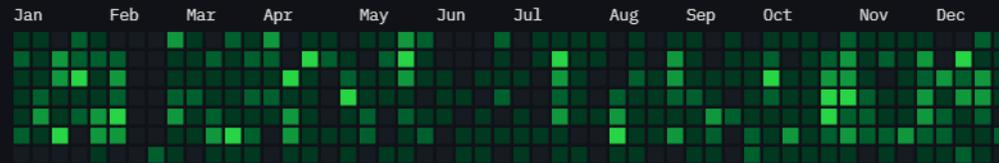
Less  More

Total Contributions: 9755

2024: 791 Contributions (so far)



2023: 2,028 Contributions



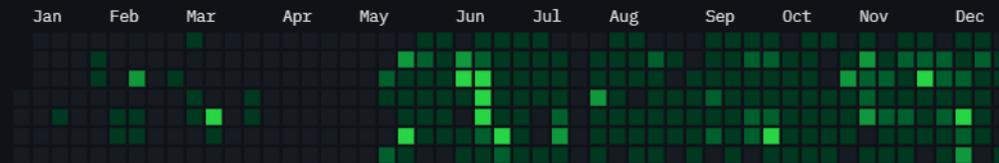
2022: 2,513 Contributions



2021: 2,765 Contributions



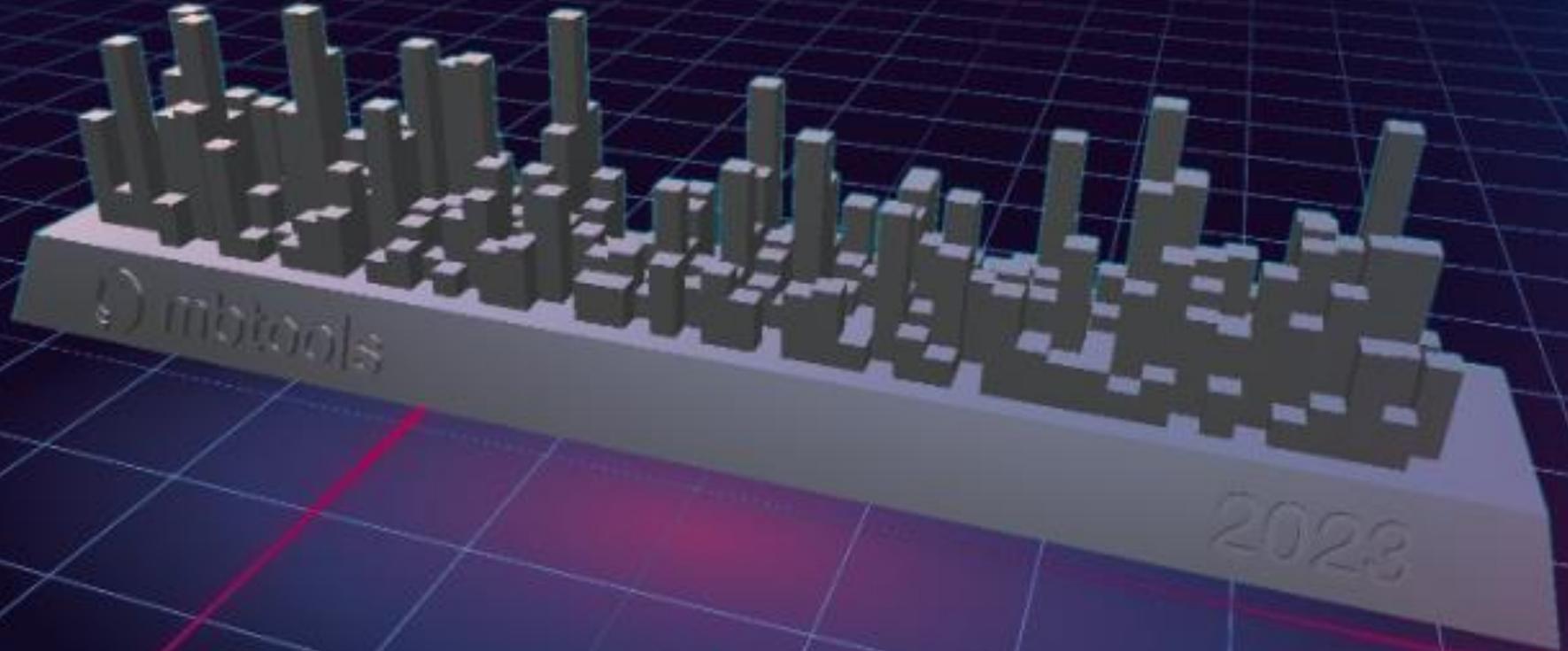
2020: 1,658 Contributions



Made by @sallar & friends - github-contributions.vercel.app

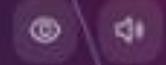


@mbtools' 2023 GitHub Skyline



Add annotation 

Share on Twitter 



Marc Bernard

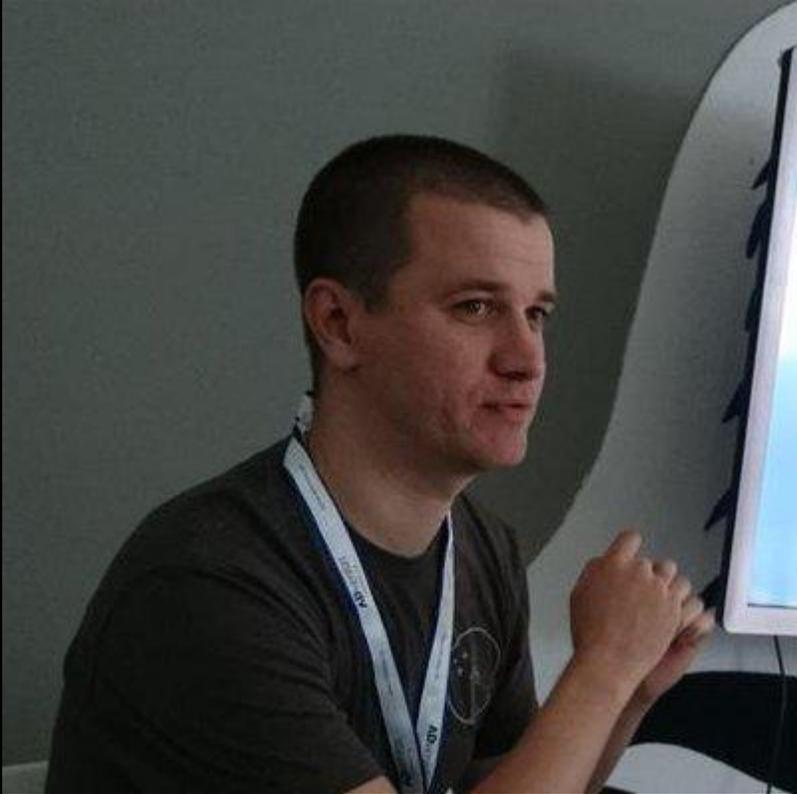


Happy Birthday



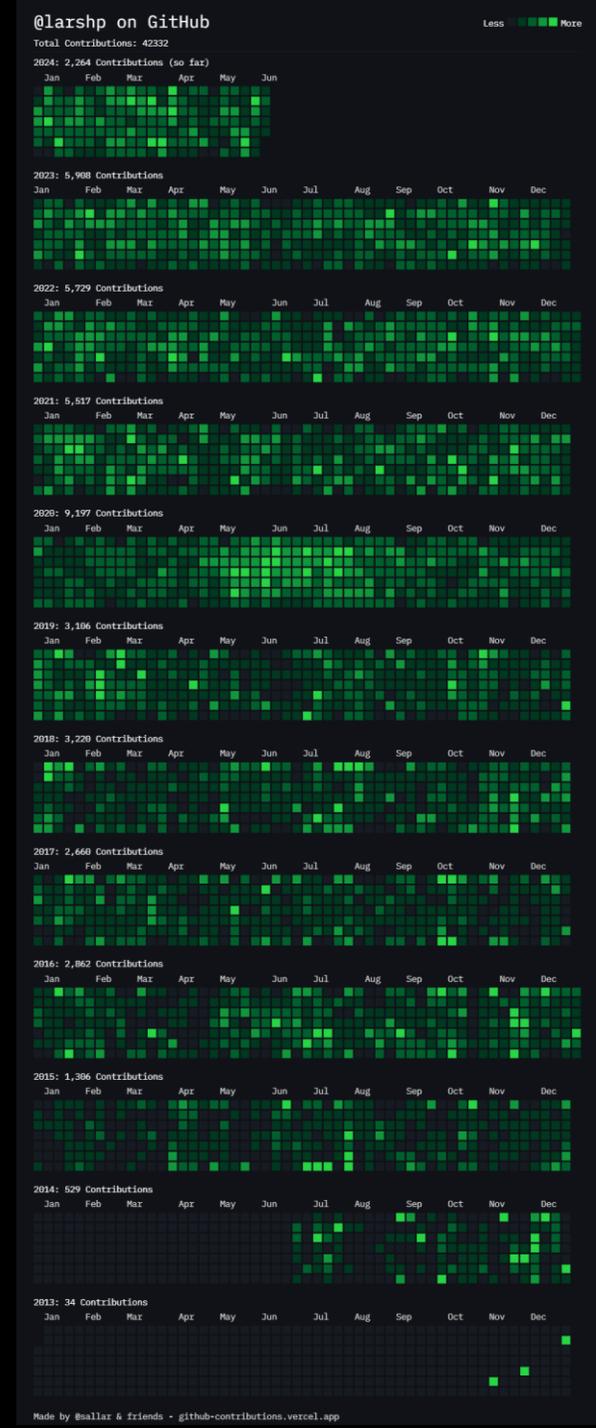
Thank You, Lars!



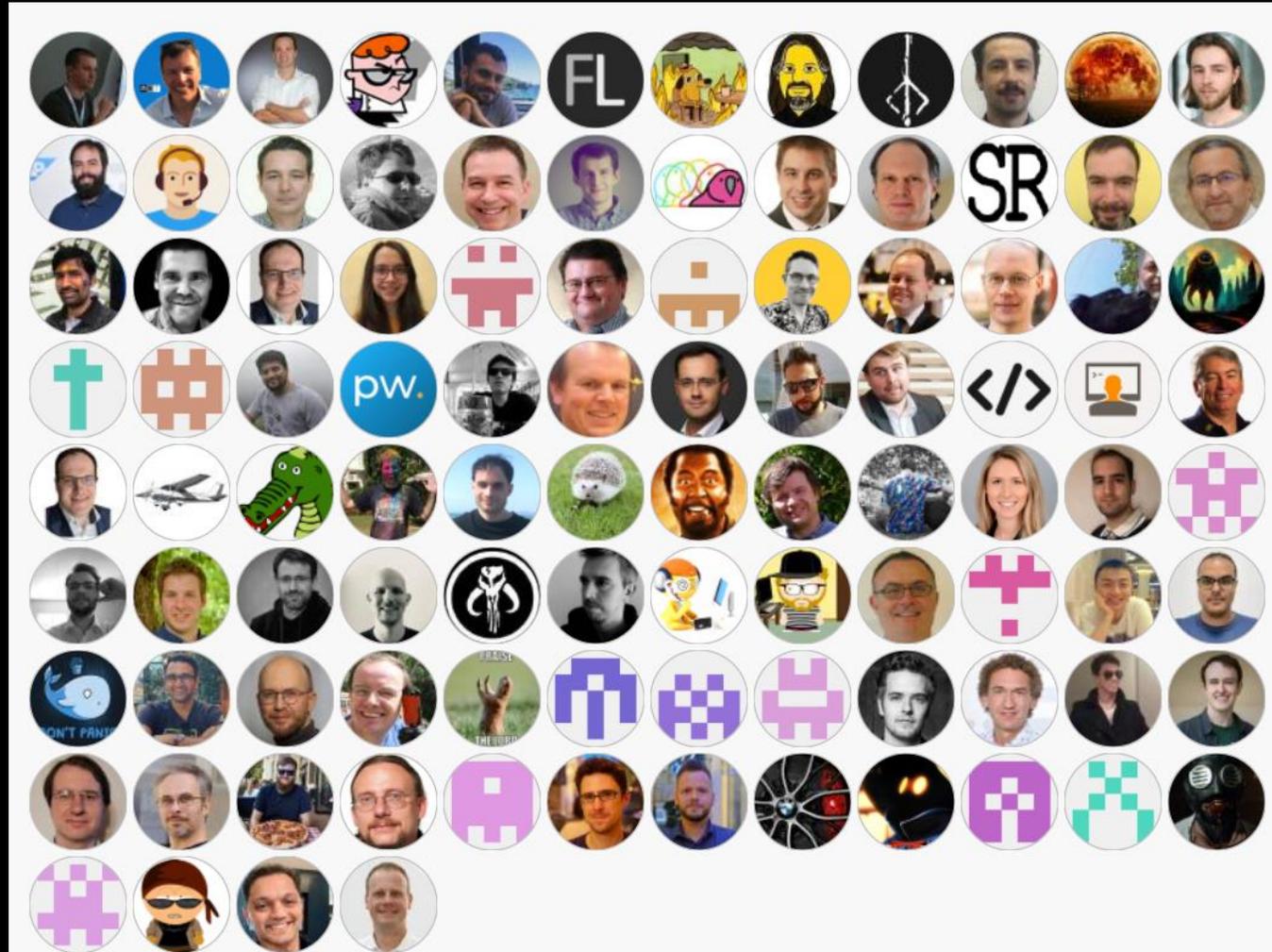


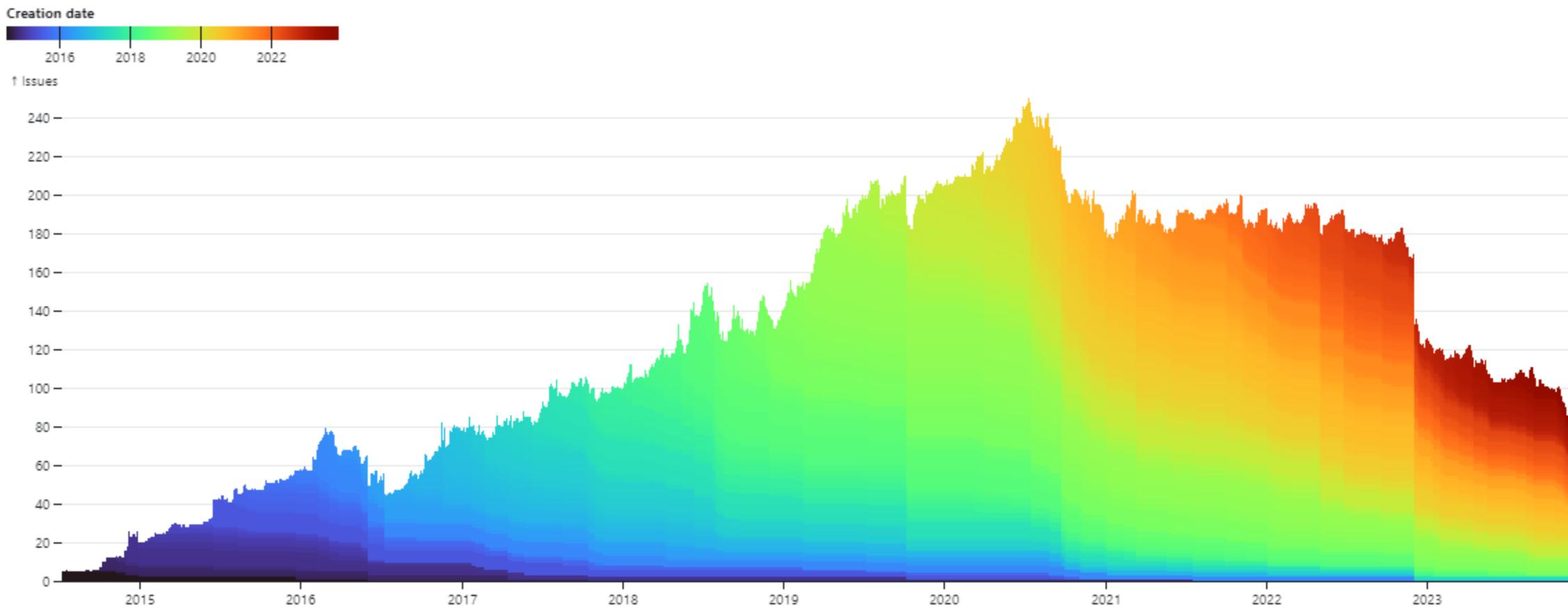
Lars Hvam

BDFL



174 Contributors, Thank You!



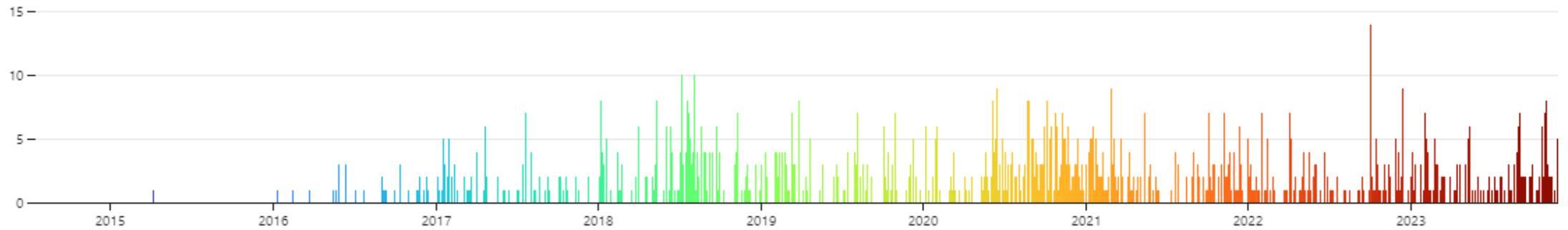


6665 total in this repository. 93 currently open.

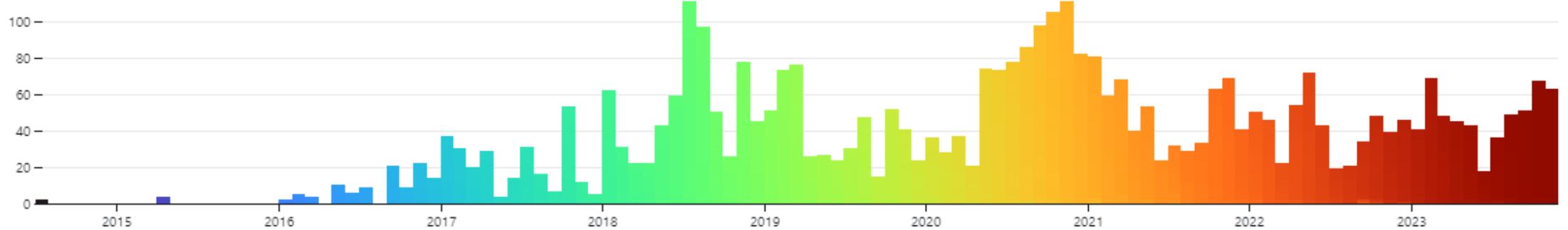


When issues have been closed

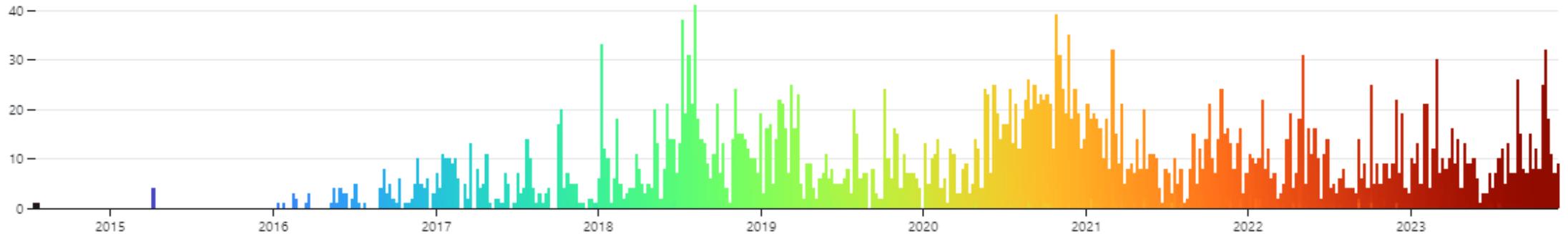
† Issues closed per day



† Issues closed per month



† Issues closed per week



Opposite of Clean Core?



Syntax Errors

Opposite of Clean Core

Using Unreleased SAP Objects

Using Deprecated ABAP

Duplicating Code

Tax is Due When Moving to ABAP Cloud



But Why?

Too many Great Unreleased Objects

New Features only in New Releases

No Clear Strategy for Reuse

Addicted to SAP Core





Your Option

Escape

Defend

Attack



Is There a Better Way?







Matt Mullenweg
WordPress



Matt Mullenweg at WordCamp Europe—streaming live June 15 >

Meet WordPress

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Search plugins | **All** | Community | Commercial

Block-Enabled plugins

[See all](#)

 **Omnipress**
☆☆☆☆☆ (0)

Omnipress is a ready-made WordPress Design Blocks, similar to the Gutenberg WordPress block editor, that

 **Advanced Editor Tools**
★★★★☆ (342)

Extends and enhances the block editor (Gutenberg) and the classic editor (TinyMCE)







Issac Schlueter
npm





Search packages

Build amazing things

We're GitHub, the company behind the npm Registry. We offer those to the community for free, but our Pro team is selling useful tools for developers.

Take your Java development up

Pro Teams Pricing Documentation

npm Search packages Search

Popular libraries

- react
- lodash
- react-dom
- axios
- tslib
- chalk
- next
- express
- commander
- inquirer

Discover packages

- Front-end
- Back-end
- CLI
- Documentation
- CSS
- Testing
- IoT

By the numbers

Packages: **3,077,245**

Downloads - Last Week: **60,194,139,894**

Downloads - Last Month: **253,574,867,207**





Hasso
SAP Alumni



General Information

Technical Release Inform

In the SAP Software Download Center (<https://www.sap.com/software/download-center>) based on the software licenses under the cu

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If you have any questions, see the help in the



1 June, 2024 CEST

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ABAP Open Source!



ABAP Open Source Projects

Projects: 279

Total: 1.8m

passing


abap_w3mi_poller created by *sbcgua* 7 years ago
A tool to poll file change and upload changed files automatically as W3MI object
MIT License

Git <https://github.com/sbcgua/abap>

★ 6 2.9k 2024/06/06



abapOpenChecks created by *larshp* 10 years ago
Open source checks for SAP Code Inspector / ABAP Test Cockpit
MIT License

Git <https://github.com/larshp/abapc>

★ 255 45.8k 2024/06/06



abapGit created by *abapGit* 10 years ago
Git client for ABAP
MIT License

Git <https://github.com/abapGit/abap>

★ 1474 175.8k 2024/06/06



abap-to-json created by *SAP* a year ago
ABAP to JSON serializer and deserializer
Apache License 2.0

Git <https://github.com/SAP/abap-to>

★ 25 6.8k 2024/06/05



code-pal-for-abap created by *SAP* 4 years ago
code pal for ABAP is a highly configurable engine, fully integrated into the ABAP development framework ensuring Cloud's built-in quality.
Apache License 2.0

Git <https://github.com/SAP/code-pa>



abap2xlsx created by *abap2xlsx* 10 years ago
Generate your professional Excel spreadsheet from ABAP
Apache License 2.0

Git <https://github.com/abap2xlsx/at>

★ 677 44.9k 2024/06/05





github username

[Languages](#) [Developers](#) [Countries](#) [Repos](#) [Topics](#)

ABAP

[languages](#) / ABAP

3,370
Developers

6,821
Repos

Top ranked

Rank	Developer	Repos	Stars
1	 SAP-samples	31	1,621
2	 abapGit	26	1,596
3	 abap2xlsx	2	703

Top ranked

Rank	Repo	Stars	Developer
1	abapGit	1,469	abapGit
2	abap-cheat-sheets	723	SAP-samples
3	abap2xlsx	675	abap2xlsx
4	trip-service-kata	424	sandromancuso
5	code-pal-for-abap	323	SAP
6	ABAP-Logger	319	ABAP-Logger
7	abapOpenChecks	254	larshp
8	abap2UI5	251	abap2UI5
9	fiori-elements-opensap	239	SAP-samples



Feature Gaps

Versions

Dependencies

Full Manifests



But Open Source is Broken



State of Affairs

Used Everywhere

Funded Little (if at all)

Scream



Examples

Log4j

Core-js

Xz backdoor



Funding

Free + Premium Version

Sponsoring

Advertising

Services



Can We Do Better?







apm



apm

Package Manager for ABAP 

apm Website 

apm Registry 





Purpose & Intent

Network Effects

Community First

Financial Longevity



One More Thing...



Let's Talk Money

New Financial Model for Open Source

No advertising

No pricing tiers

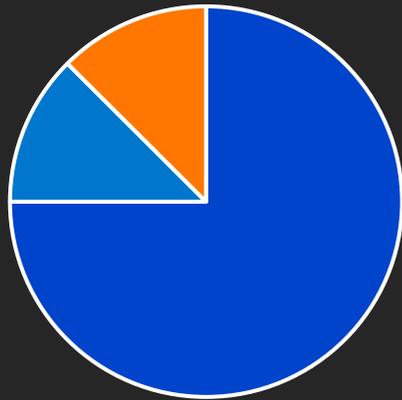
Same low price for everyone

8 Euro/user/month

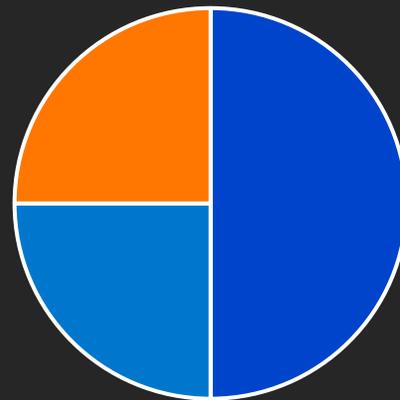


Money for You

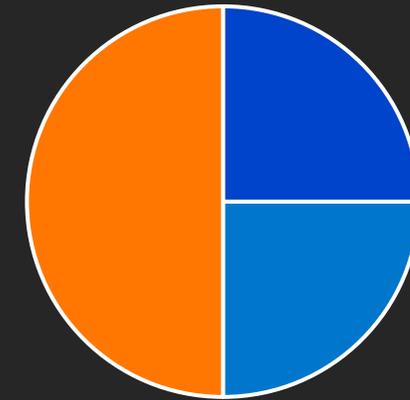
Part of Revenue Goes into Fund
Share Increases Over Time



- apm Development & Maintenance
- Sustainability Fund
- Open Source ABAP Fund



- apm Development & Maintenance
- Sustainability Fund
- Open Source ABAP Fund



- apm Development & Maintenance
- Sustainability Fund
- Open Source ABAP Fund



Open Source ABAP Fund

Crowd Funding Open Source

Yearly Grant Round

Quadratic Funding (QF)





$$V_i^p \left(\left(\sum_j \sqrt{c_j^p} \right)^2 \right) - c_j^p$$

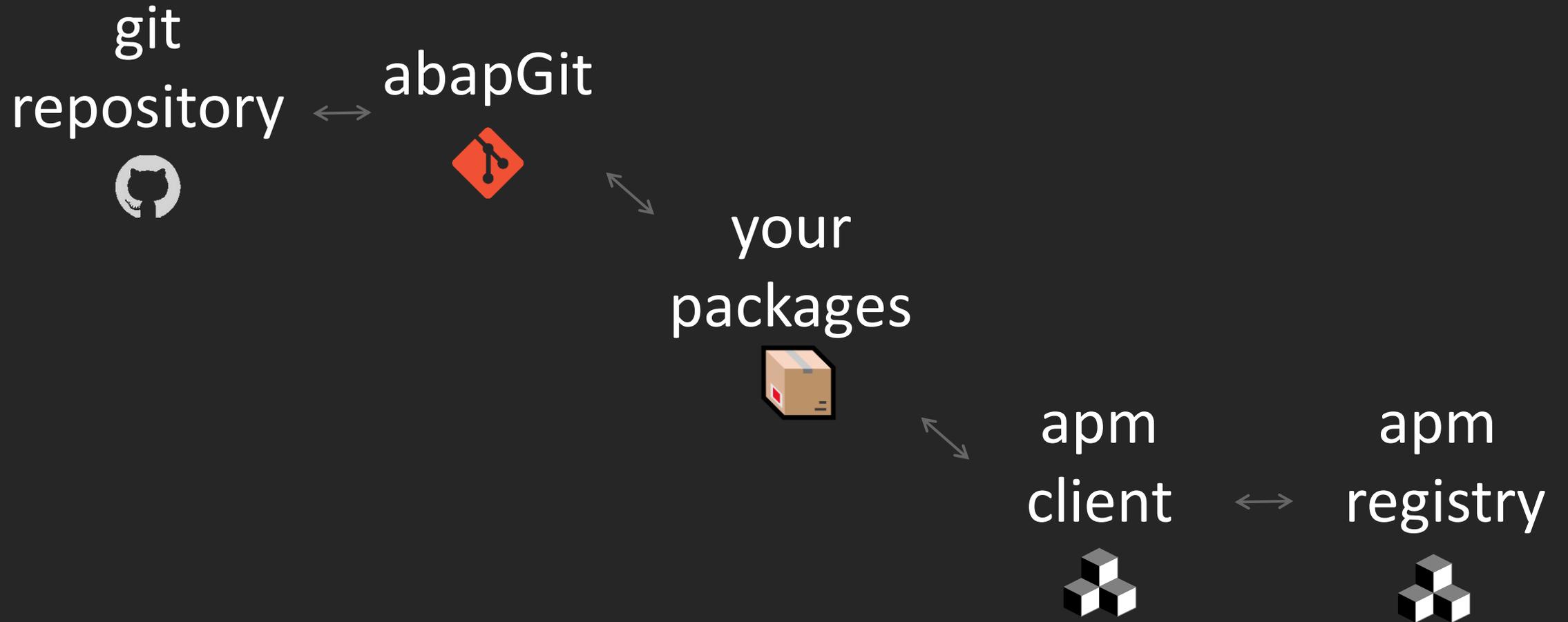
Unlock the power of community funding

Quadratic Funding (QF) is a crowd-funding mechanism that amplifies available resources by inviting community members to make donations (big or small) that act as votes on where to allocate funds. The broader the support, the bigger the match!

Explore ↓



Systems





Repeat After Me...

apm ne npm

npm !== apm



Package List

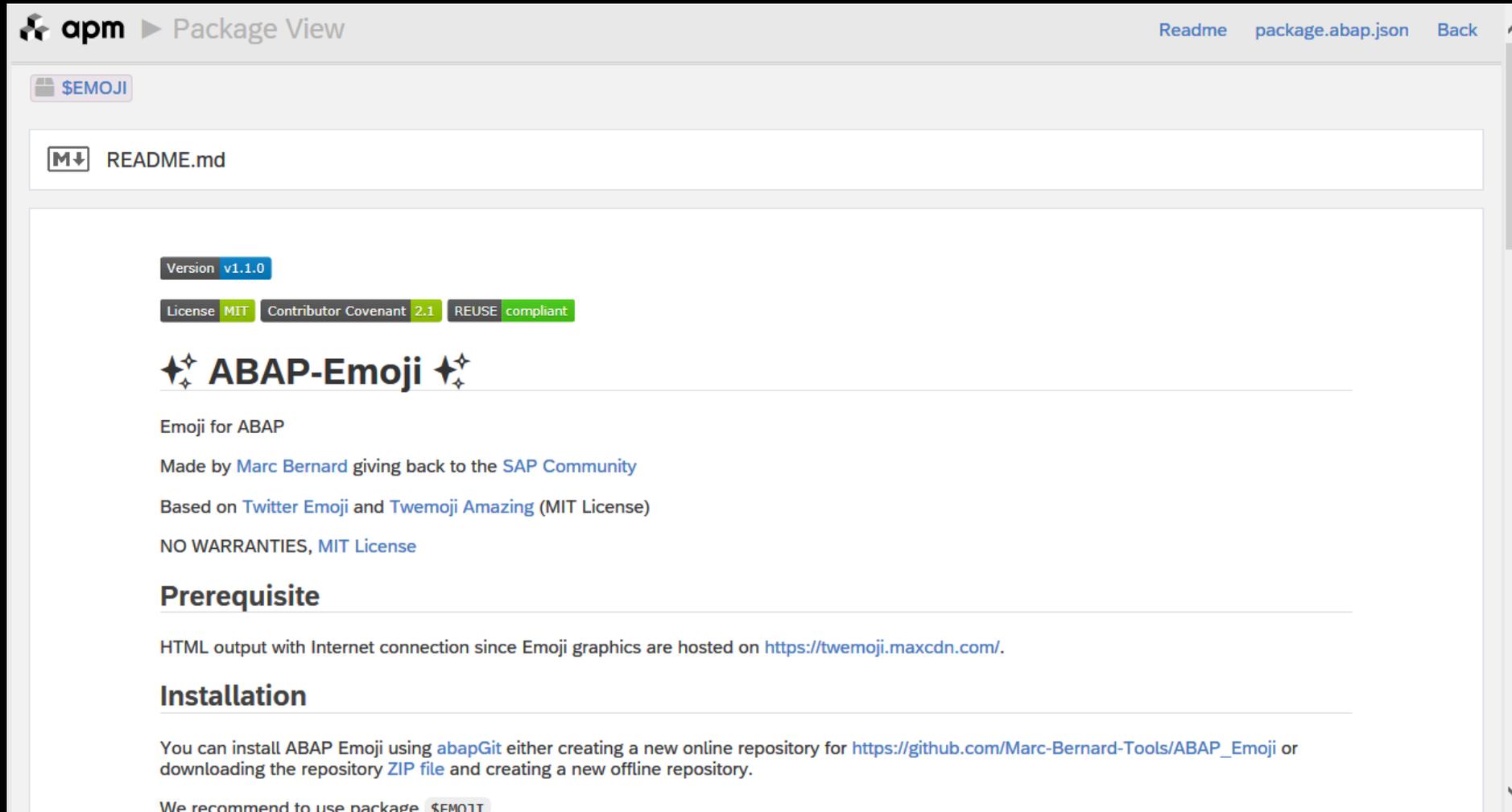
The screenshot shows the APM Package List interface. At the top, there is a navigation bar with the APM logo and the text "Package List". To the right of the navigation bar are several icons: "Init", "Install", "Publish", "Uninstall", "Settings", "Refresh", "Close", and "Help". Below the navigation bar, there is a filter section with a search input field, a "Filter:" label, and two checkboxes: "Only Favorites" and "Detail". To the right of the filter section is a URL input field containing "https://registry.abappm.com".

Package	Name	Version	Description
★ \$ABAPCONF-2024	abapconf-2024	0.0.1	ABAPConf Demo
★ \$ABAPCONF	abapconf	1.2.3	abapconf
★ \$AJSON	ajson	1.10.0	Yet another json parser for ABAP
★ \$APM	apm	1.0.0-beta	A Package Manager for ABAP
★ \$EMOJI	emoji	1.1.0	Emoji for ABAP
★ \$MARKDOWN	markdown	1.0.0	Markdown for ABAP
★ \$PACKAGE-JSON	package-json	1.0.0	Package JSON for ABAP
★ \$PACOTE	pacote	1.0.0	Fetches package manifests and tarballs from the apm registry
★ \$PERSIST-APM	persist-apm	1.0.0	Key value store for apm
★ \$SEMVER-SAP	semver-sap	1.0.0	Mapping between SAP Releases and Semantic Versions (SAPVER)
★ \$SEMVER	semver	7.6.2	Semantic Version
★ \$TAP	tap	1.0.0	TAP for ABAP
★ \$STAR	tar	1.0.0	Tar for ABAP

At the bottom of the interface, there is a footer section with the APM logo, the text "Sponsor us", the version information "1.0.0-beta - Developer Version - Win - IE", and the text "js: OK".



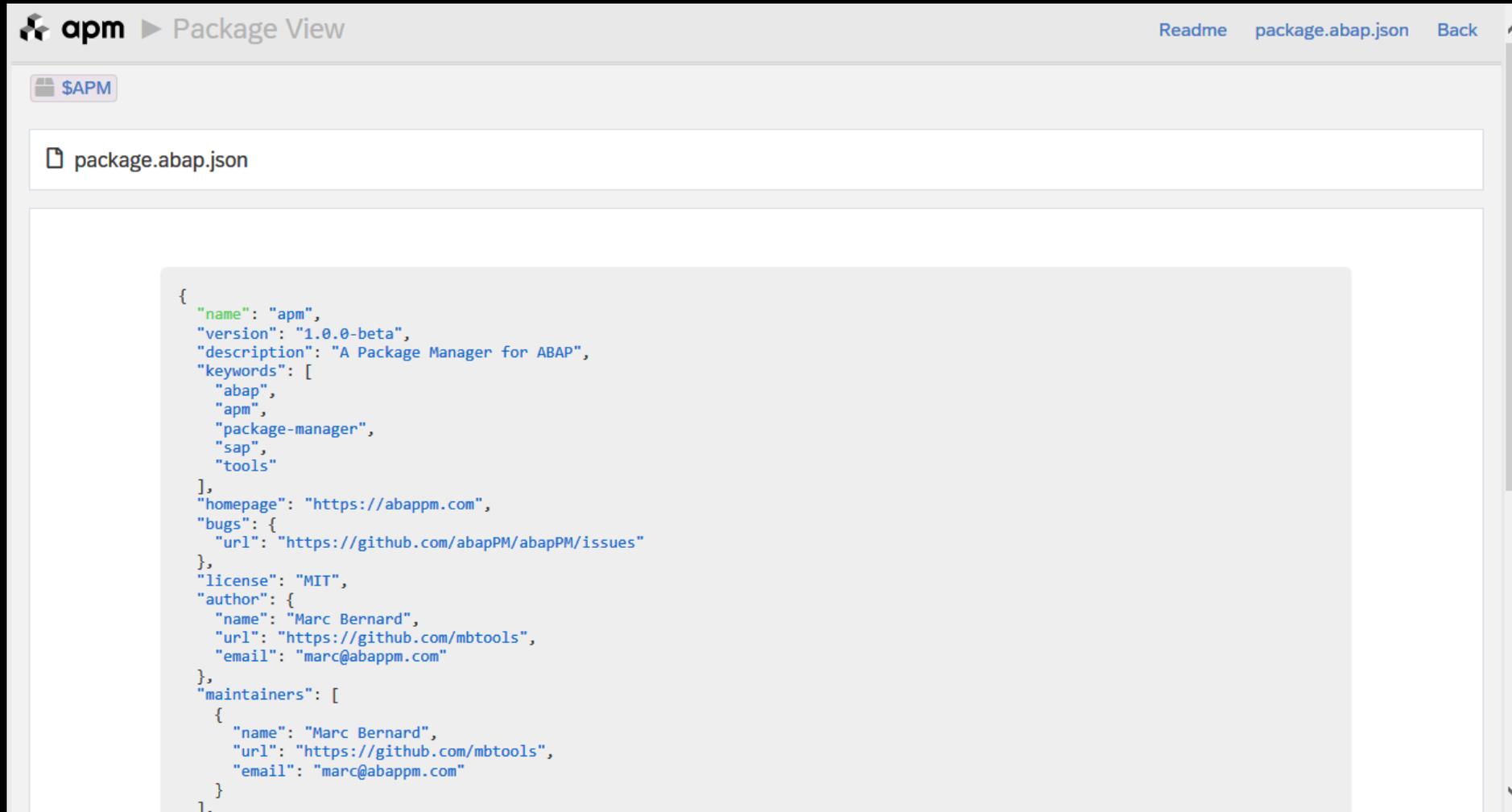
Package View > Readme



The screenshot shows the APM Package View for the package `$EMOJI`. The breadcrumb navigation at the top indicates the path: `apm` > Package View > `package.abap.json` > Readme > Back. The package name `$EMOJI` is displayed in a blue box. Below it, the file `README.md` is selected and shown in a white box with a download icon. The main content area displays the package metadata: Version `v1.1.0`, License `MIT`, Contributor Covenant `2.1`, and REUSE `compliant`. The package name `ABAP-Emoji` is prominently displayed with decorative sparkles. The README content includes: "Emoji for ABAP", "Made by [Marc Bernard](#) giving back to the [SAP Community](#)", "Based on [Twitter Emoji](#) and [Twemoji Amazing](#) (MIT License)", "NO WARRANTIES, [MIT License](#)", a "Prerequisite" section stating "HTML output with Internet connection since Emoji graphics are hosted on <https://twemoji.maxcdn.com/>", an "Installation" section with instructions on using `abapGit` or downloading a `ZIP file`, and a recommendation to use the package `$EMOJI`.



Package View > Manifest



The screenshot shows the SAPM Package View interface. At the top left is the SAPM logo and the text "Package View". On the top right are links for "Readme", "package.abap.json", and "Back". Below the header, there is a breadcrumb "SAPM" and a file icon next to "package.abap.json". The main content area displays the JSON manifest for the package.

```
{
  "name": "apm",
  "version": "1.0.0-beta",
  "description": "A Package Manager for ABAP",
  "keywords": [
    "abap",
    "apm",
    "package-manager",
    "sap",
    "tools"
  ],
  "homepage": "https://abapm.com",
  "bugs": {
    "url": "https://github.com/abapPM/abapPM/issues"
  },
  "license": "MIT",
  "author": {
    "name": "Marc Bernard",
    "url": "https://github.com/mbtools",
    "email": "marc@abapm.com"
  },
  "maintainers": [
    {
      "name": "Marc Bernard",
      "url": "https://github.com/mbtools",
      "email": "marc@abapm.com"
    }
  ]
}
```



Init Package

 **apm** ▶ Init Package

Package *
 ...

Name *

Version *

Description

Labels (comma-separated, allowed chars: "-_., a-zA-Z0-9")
 ...

Private Package (will not become public)



 **apm** js: OK

1.0.0-beta - Developer Version - Win - IE

[♥ Sponsor us](#)



Install Package

 **apm** ▶ Install Package

Package *
 ...

Name *

Version *

Install Only Dependencies



 **apm** js: OK

1.0.0-beta - Developer Version - Win - IE

[Sponsor us](#)



Your Turn

Sign Up!

<https://abappm.com/>



Thank You!

Marc Bernard

Founder and CEO of apm.to Inc.

[@marcfbe](#)

marc@abappm.com



Resources

<https://abappm.com>

<https://abapgit.org>

<https://marcbernardtools.com>

[GitHub Contributions Chart Generator](#)

[Your GitHub Story in 3D - GitHub Skyline](#)

[GitHub Burndown Charts](#)

[ABAP GitHub Stars](#)

[Quadratic Funding](#)



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