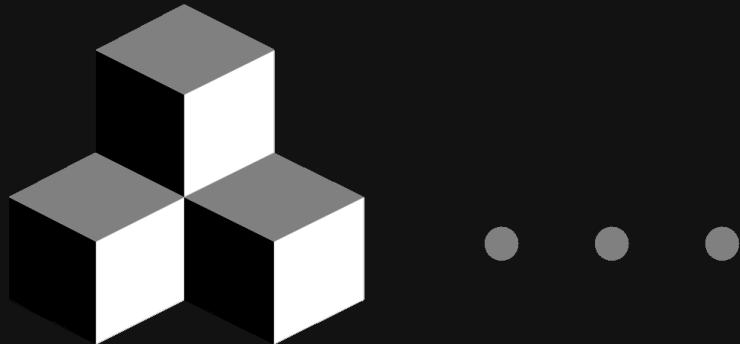


Addressing the Future of ABAP: The Power of Open Source



Marc Bernard - June 2024

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Marc Bernard

Chief Architect for Data Warehousing at SAP

~ 22 years





Marc Bernard





Marc Bernard



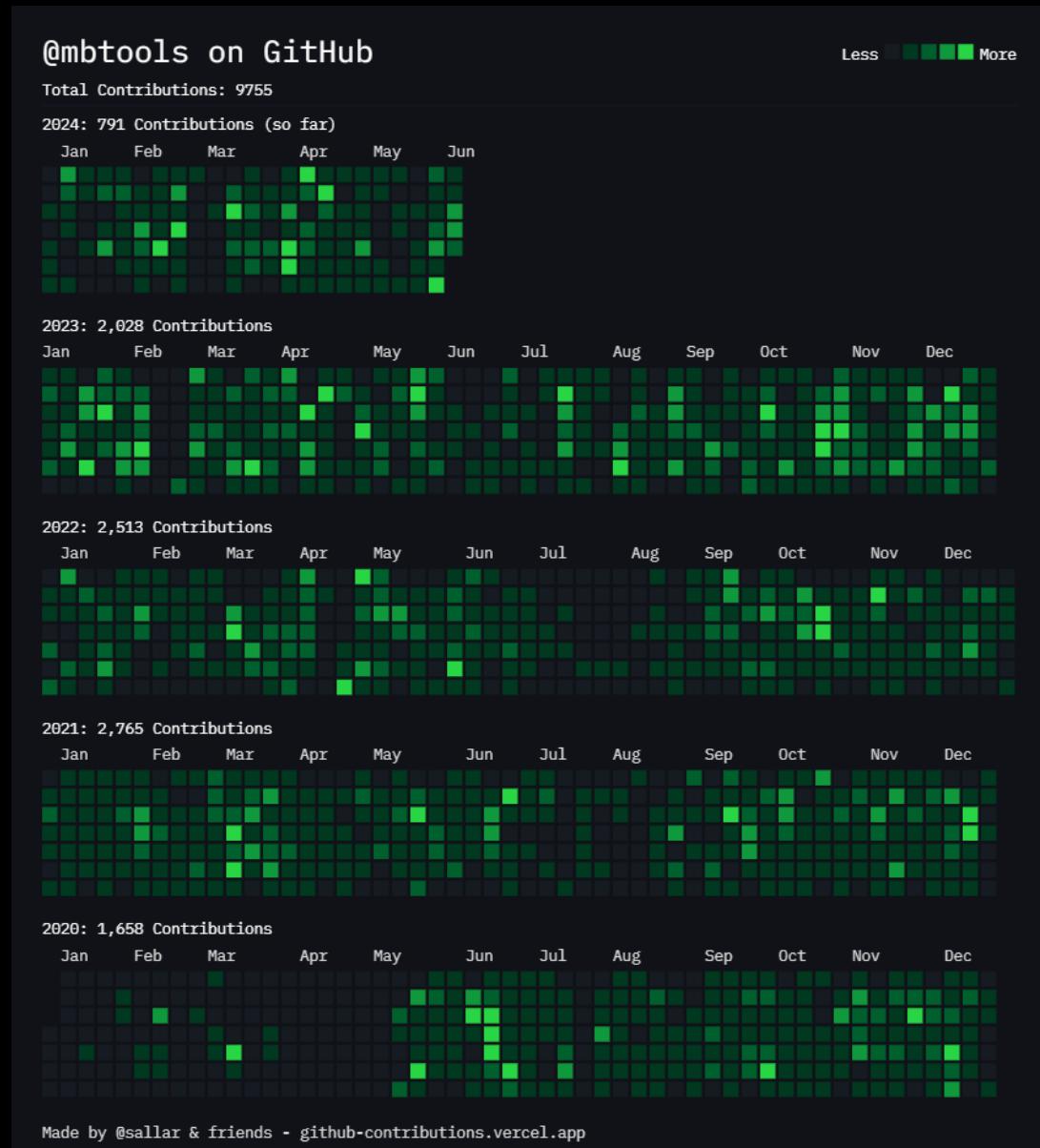
Building awesome open-source tools
for SAP customers, partners, and developers

The screenshot shows the SAP GUI interface with the Marc Bernard Tools ribbon bar. The bar includes icons for six tools: MBT Command Field, MBT Icon Browser, MBT Listcube, MBT Logical Object Lister, MBT Object Duplicator, and MBT System Monitor. Each tool has a brief description below its icon.

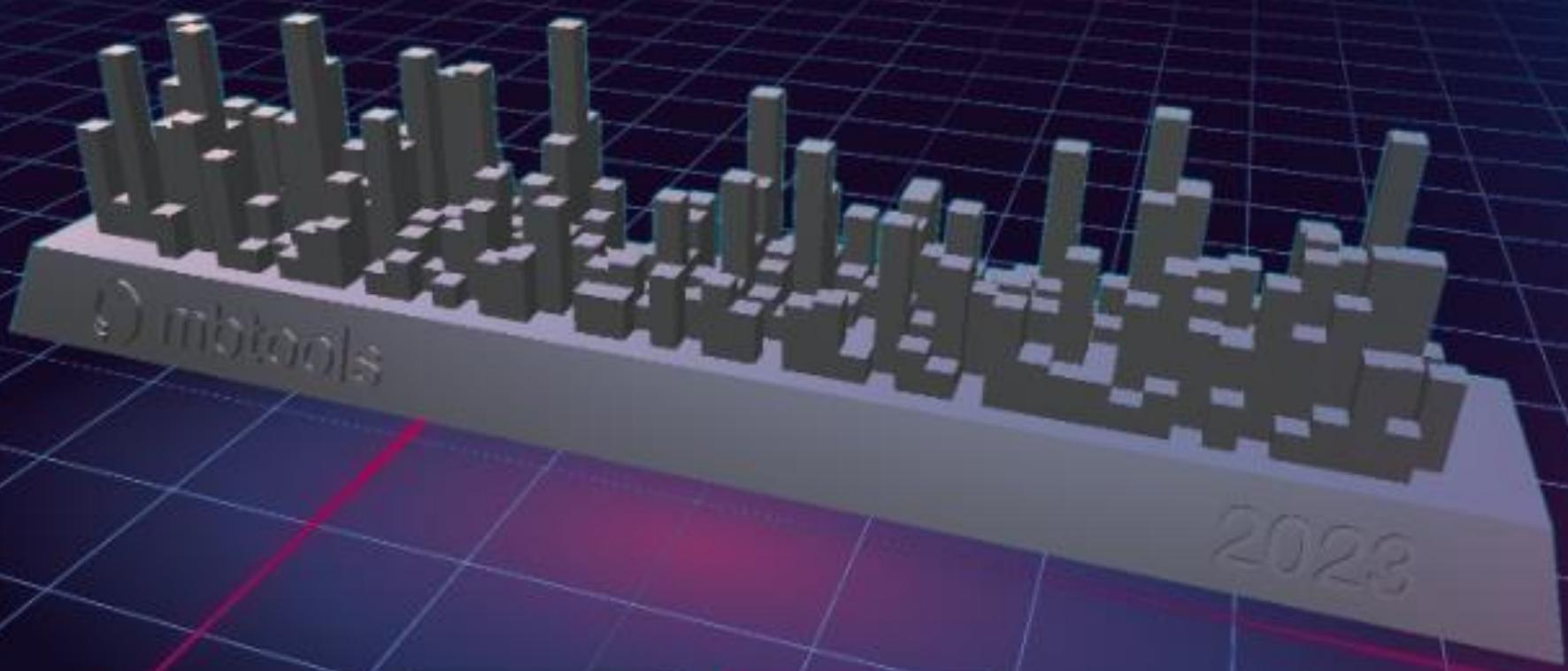


Bootstrapping 🚀 Marc Bernard Tools 🚀

Top Contributor to 💎 abapGit

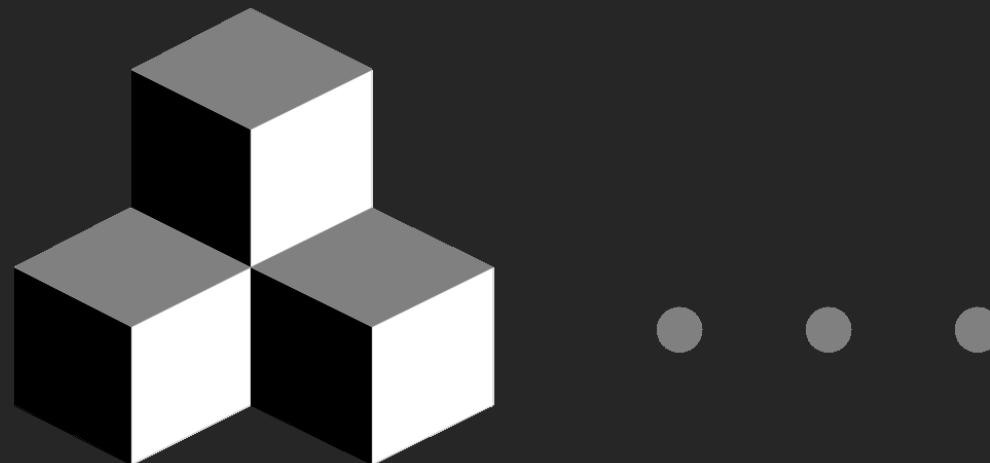


@mbtools' 2023 GitHub Skyline

[Add annotation](#)[Share on Twitter](#)Made with  by GitHub VR Ready

Terms Privacy FAQ

Marc Bernard



Happy Birthday



abapGit

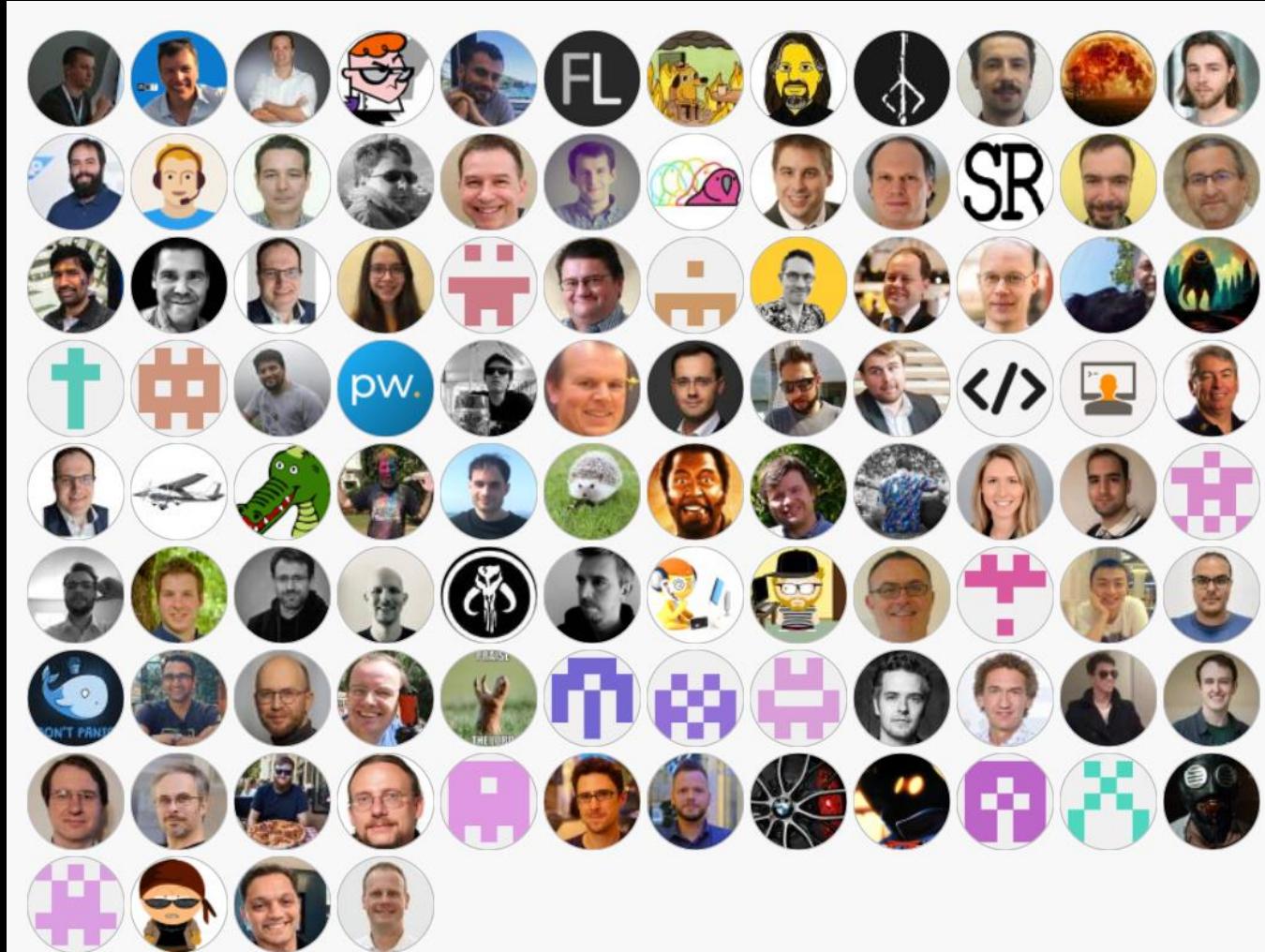
Thank You, Lars!

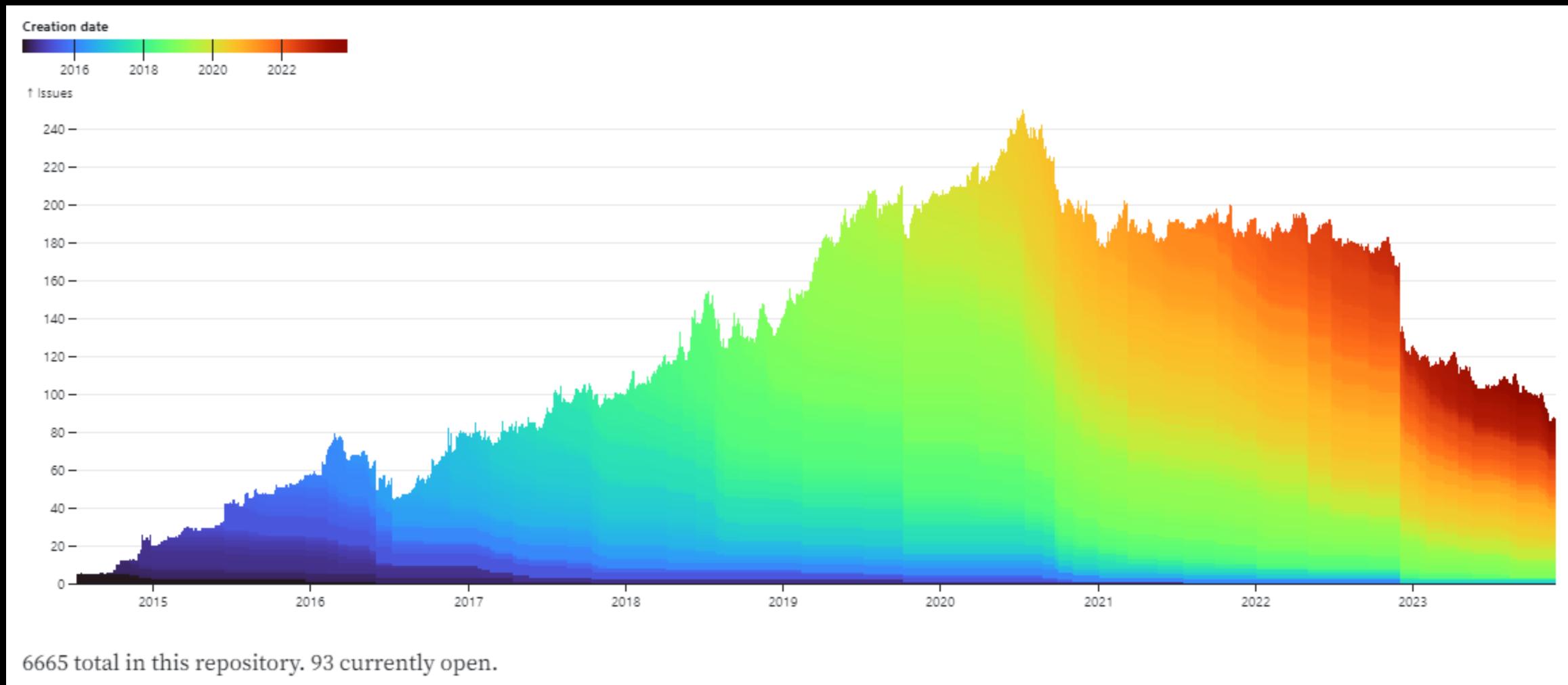


Lars Hvam BDFL



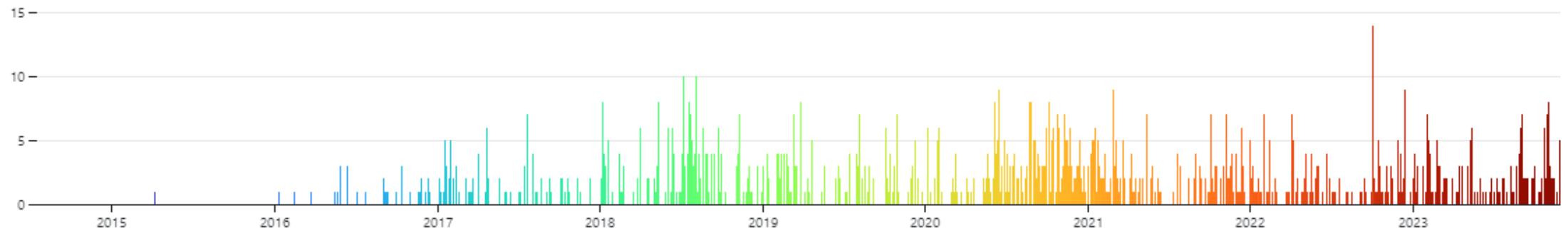
174 Contributors, Thank You!



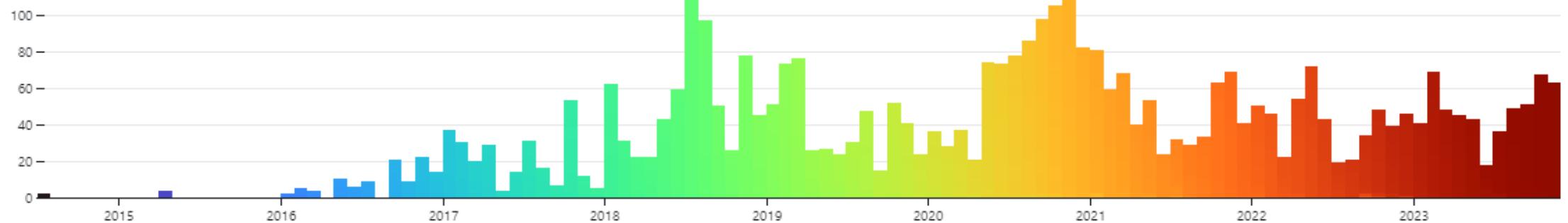


When issues have been closed

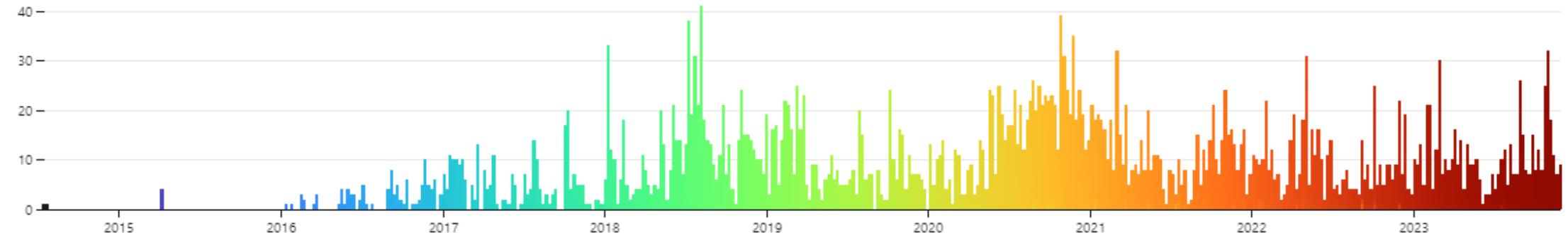
↑ Issues closed per day



↑ 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

The image shows two screenshots of the WordPress website. The top screenshot displays the main homepage with a large 'Meet WordPress' section featuring a blue brushstroke graphic and a paragraph about the platform's global reach. The bottom screenshot shows the 'Plugins' page, which includes a search bar, filter buttons for 'All', 'Community', and 'Commercial', and sections for 'Block-Enabled plugins' and 'See all'. It highlights two specific plugins: 'Omnipress' and 'Advanced Editor Tools'.

Top Screenshot (WordPress Homepage):

- Header: News, Showcase, Hosting, Extend ▾, Learn ▾, Community ▾, About ▾, Get WordPress
- Middle Content: Matt Mullenweg at WordCamp Europe—streaming live June 15 →
- Section: Meet WordPress (The open source publishing platform of choice for millions of websites worldwide—from creators and small businesses to enterprises.)
- Bottom Content: WordPress ist auch auf [Deutsch](#) und [Français](#) verfügbar.

Bottom Screenshot (Plugins Page):

- Header: Register, Log In, News, Showcase, Hosting, Extend ▾, Learn ▾, Community ▾, About ▾, Get WordPress
- Section: Plugins (Extend your WordPress experience! Browse over 59,000 free plugins.)
- Text: Das Plugin-Verzeichnis ist auch auf [Deutsch](#) und [Français](#) verfügbar.
- Search: Search plugins
- Filters: All (selected), Community, Commercial
- Section: Block-Enabled plugins
- Item 1: Omnipress (5 stars, 0 reviews)
Omnipress is a ready-made WordPress Design Blocks, similar to the Gutenberg WordPress block editor, that
- Item 2: Advanced Editor Tools (5 stars, 342 reviews)
Extends and enhances the block editor (Gutenberg) and the classic editor (TinyMCE)
- Text: See all





Isaac Schlueter
npm



Search packages

Build anything

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

Take your Java development up



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

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SAP S/4HANA 2023

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ABAP Open Source!





Find a project



Sort ▾

Filter ▾

+ Add Project

Fork Me

BestOfUI5

ABAP Open Source Projects

Projects: 279

Total: 1.8m

Cron 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

**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

**abapOpenChecks** created

by larshp 10 years ago

Open source checks for SAP Code Inspector / ABAP Test Cockpit

MIT License

Git

<https://github.com/larshp/abapOpenChecks>

★ 255

</> 45.8k

2024/06/06

**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-pal-for-abap>**abapGit** created by abapGit 10

years ago

Git client for ABAP
MIT License

Git

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

★ 1474

</> 175.8k

2024/06/06

**abap2xlsx** created by abap2xlsx

10 years ago

Generate your professional Excel spreadsheet from ABAP

Apache License 2.0

Git

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

★ 677

</> 44.9k

2024/06/05



[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

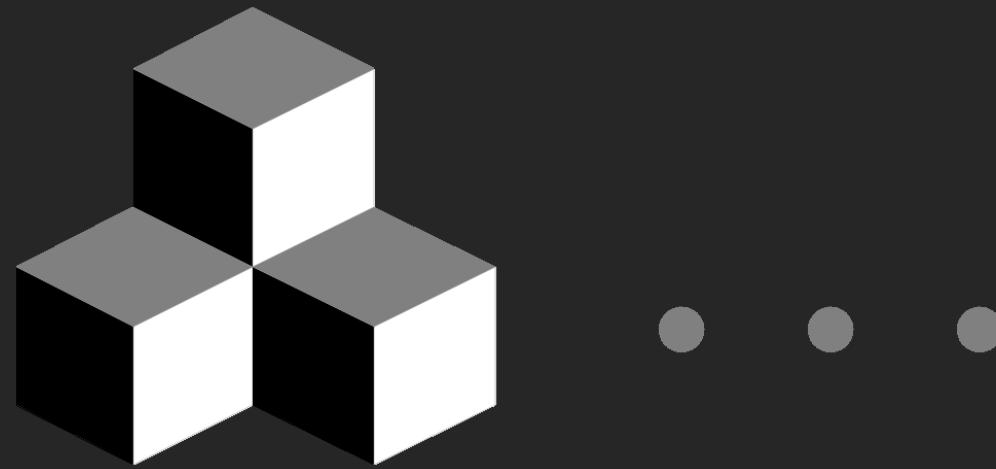
Advertising

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

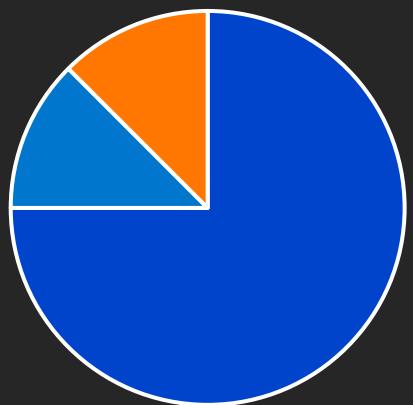
Same low price for everyone

8 Euro/user/month

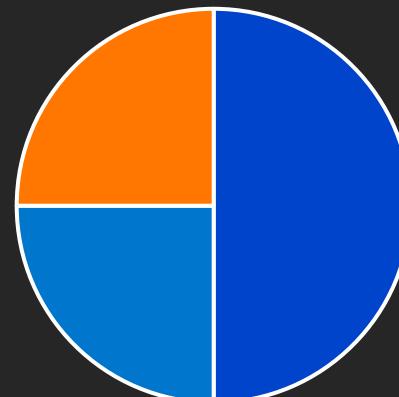


Money for You

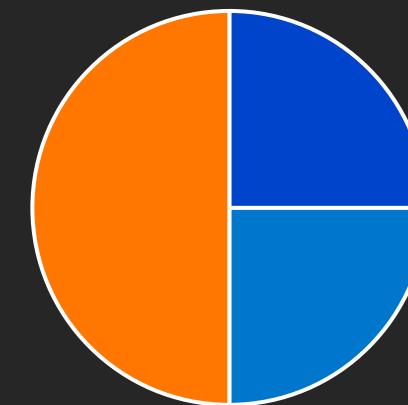
Part of Revenue Goes into Fund
Share Increases Over Time



- 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)

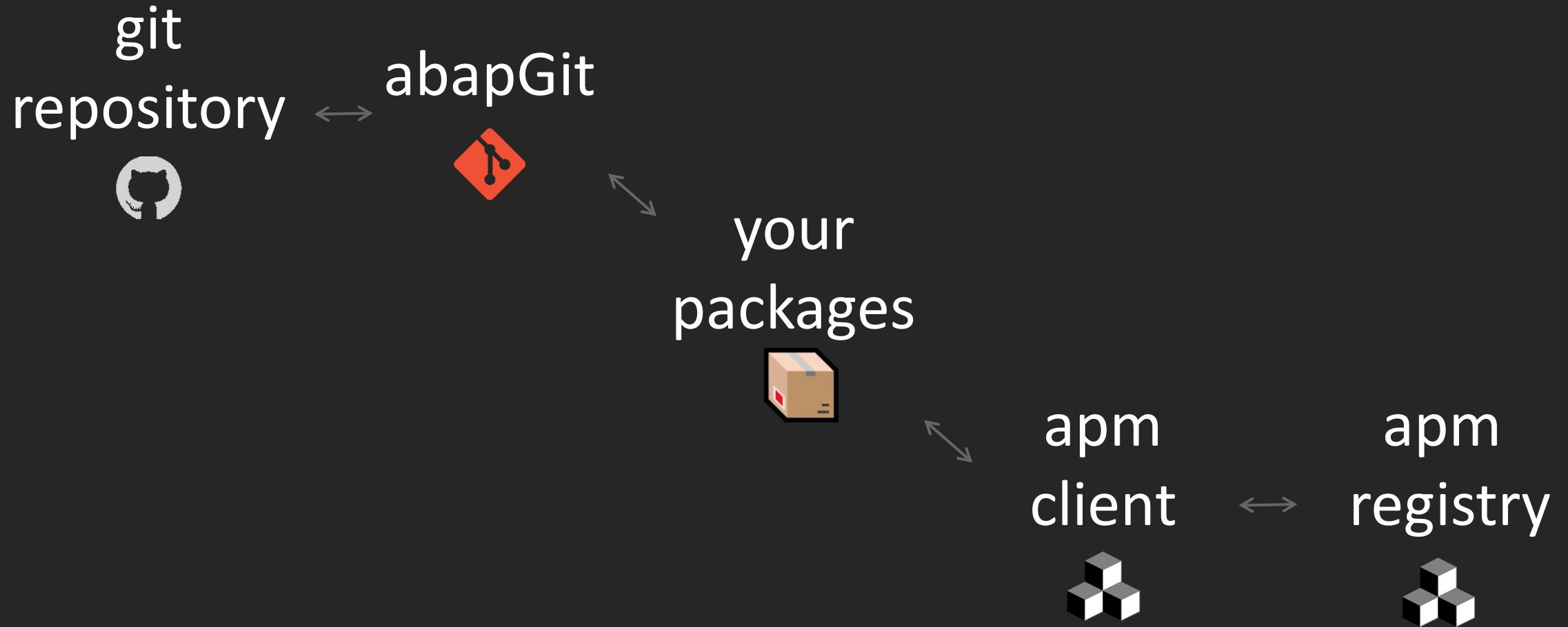


Unlock the power of community funding

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

apm ► Package List

Init Install Publish Uninstall Settings C X ?

Filter: ? Only Favorites Detail 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

Sponsor us js: OK

1.0.0-beta - Developer Version - Win - IE



Package View > Readme

apm ► Package View

\$EMOJI

M README.md

Version v1.1.0

License MIT Contributor Covenant 2.1 REUSE compliant

✨ ABAP-Emoji ✨

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](#)

Prerequisite

HTML output with Internet connection since Emoji graphics are hosted on <https://twemoji.maxcdn.com/>.

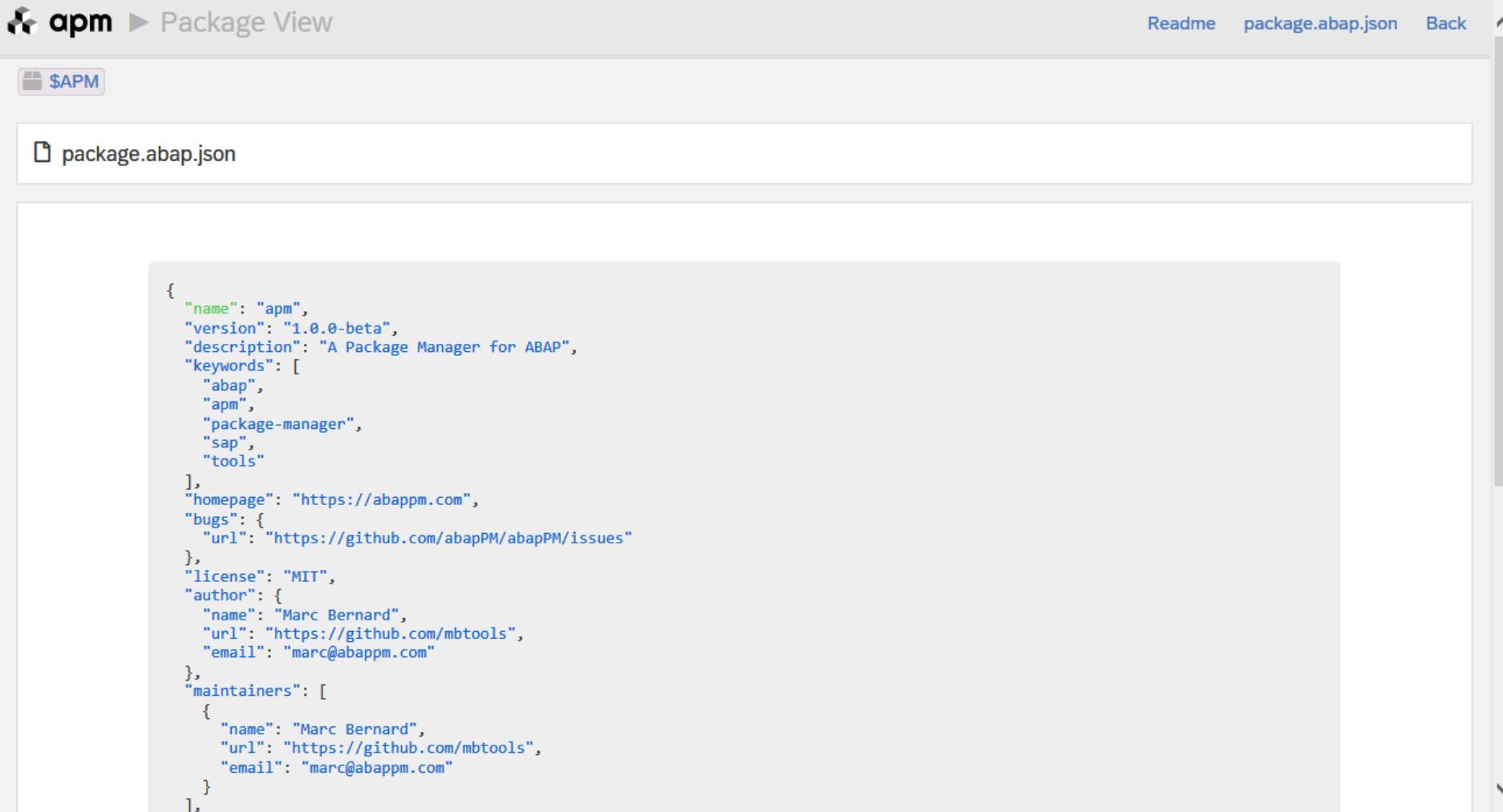
Installation

You can install ABAP Emoji using [abapGit](#) either creating a new online repository for https://github.com/Marc-Bernard-Tools/ABAP_Emoji or downloading the repository [ZIP file](#) and creating a new offline repository.

We recommend to use package \$EMOJI.



Package View > Manifest



The screenshot shows a web-based interface for viewing a package's manifest. At the top, there's a header with the 'apm' logo, a 'Package View' breadcrumb, and navigation links for 'Readme', 'package.abap.json', and 'Back'. Below the header, a sidebar on the left contains a folder icon and the path '\$APM'. The main content area displays the 'package.abap.json' file with its JSON code.

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



Init Package

apm ► Init Package

Package *

...

Name *



Install Package

apm ► Install Package

Package *

 ...

Name *



Your Turn

Sign Up!

<https://abappm.com/>



Thank You!

Marc Bernard

Founder and CEO of [apm.to Inc.](#)

[@marcfbe](#)

[marc@abappm.com](mailto:<u>marc@abappm.com</u>)



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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