Addressing the Future of ABAP:
The Power of Open Source

Marc Bernard - June 2024

abap conf2024

Public

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Marc Bernard

Chief Architect for Data Warehousing at SAP

~ 22 years

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Marc Bernard

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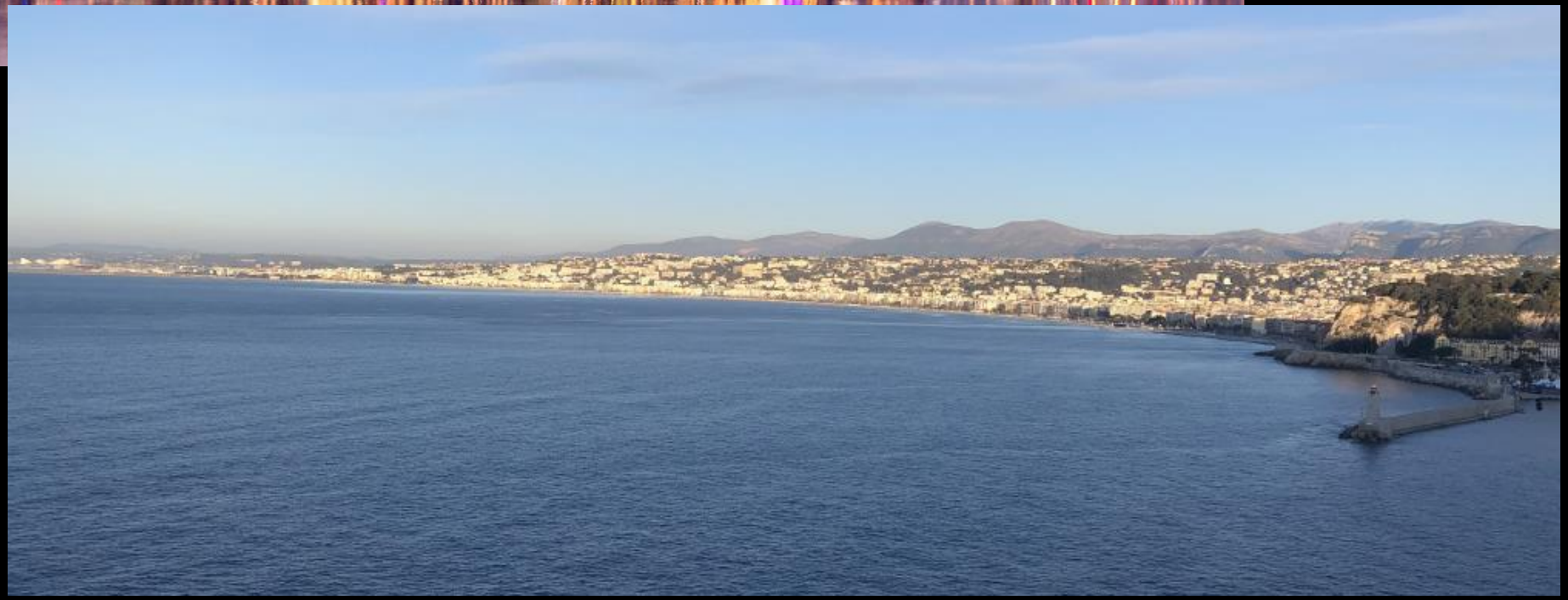

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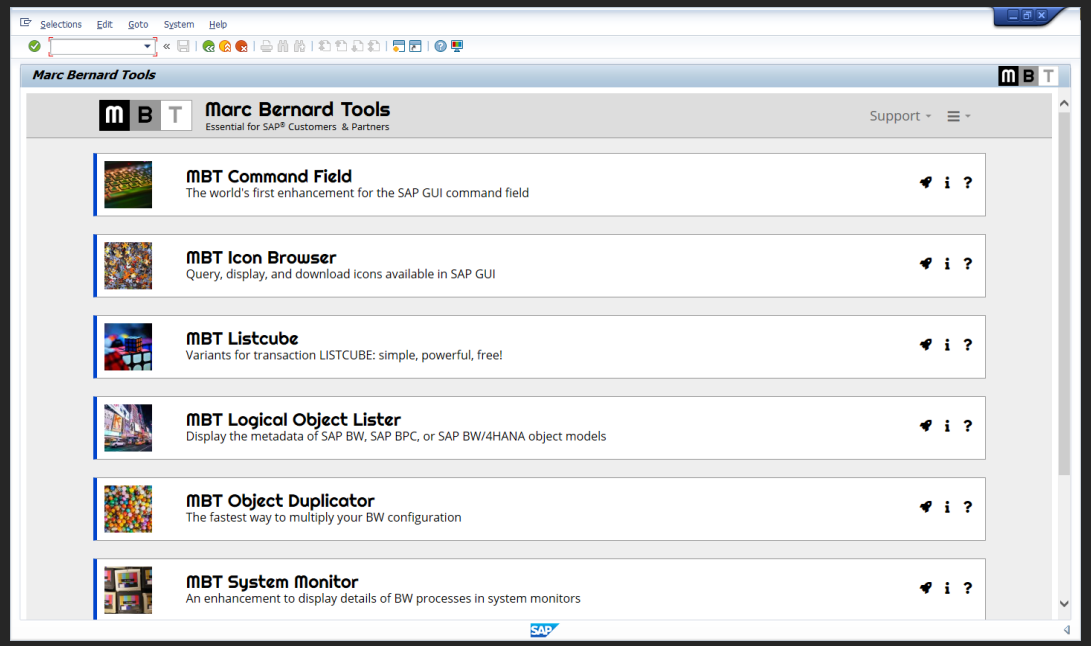
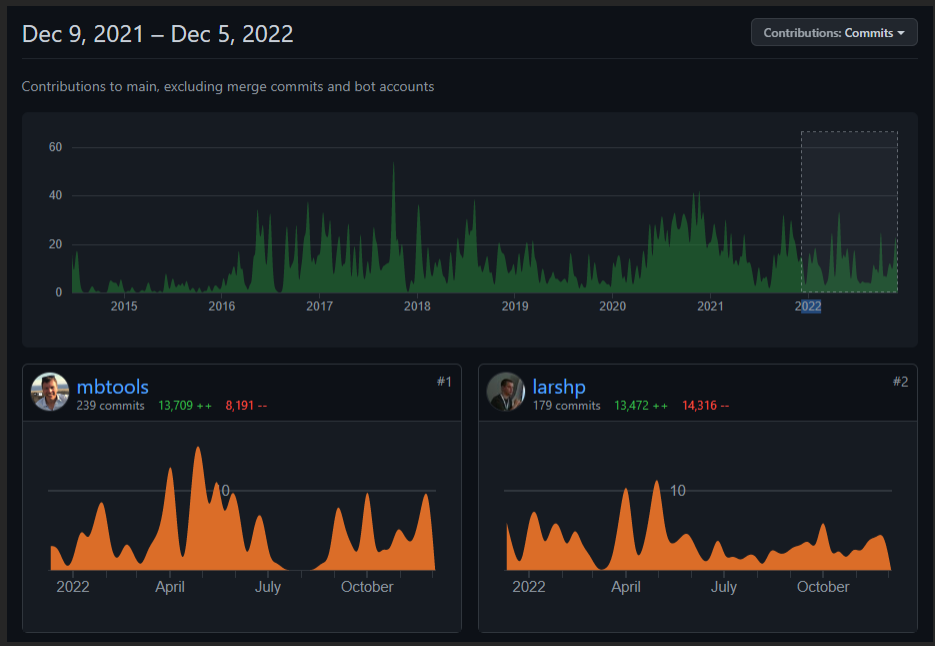
Marc Bernard

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



Bootstrapping Marc Bernard Tools



Top Contributor to abapGit

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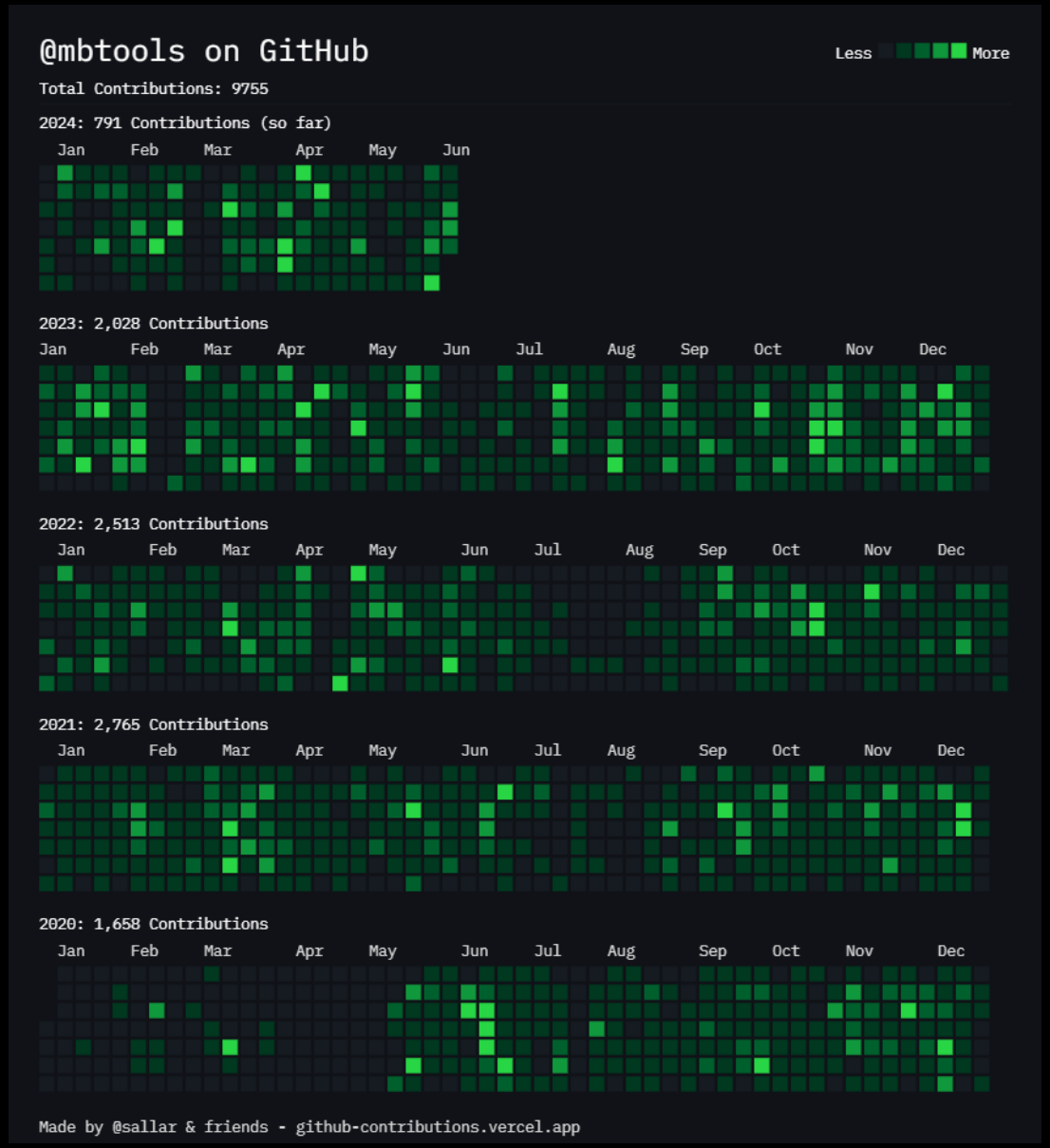

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Marc Bernard

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Happy Birthday

abapGit

Thank You, Lars!

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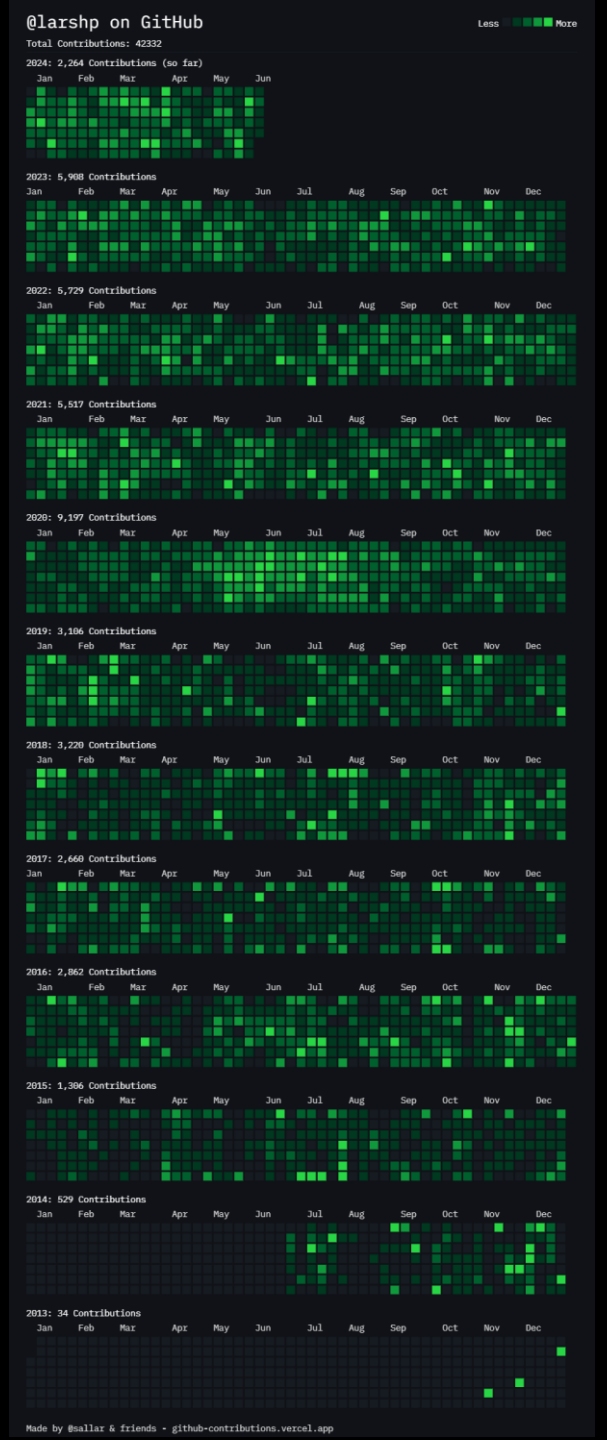
Lars Hvam

BDFL



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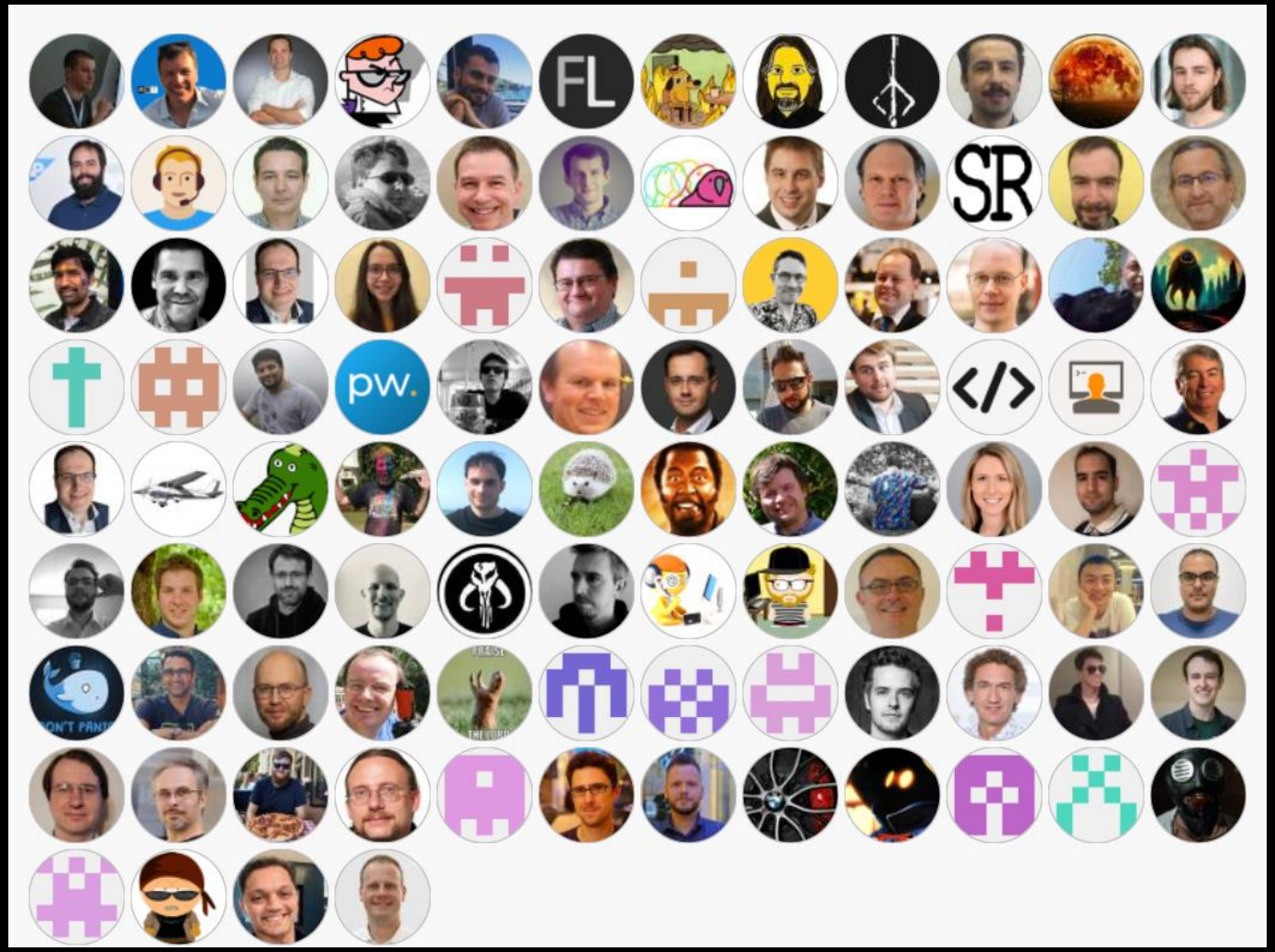
174 Contributors, Thank You!



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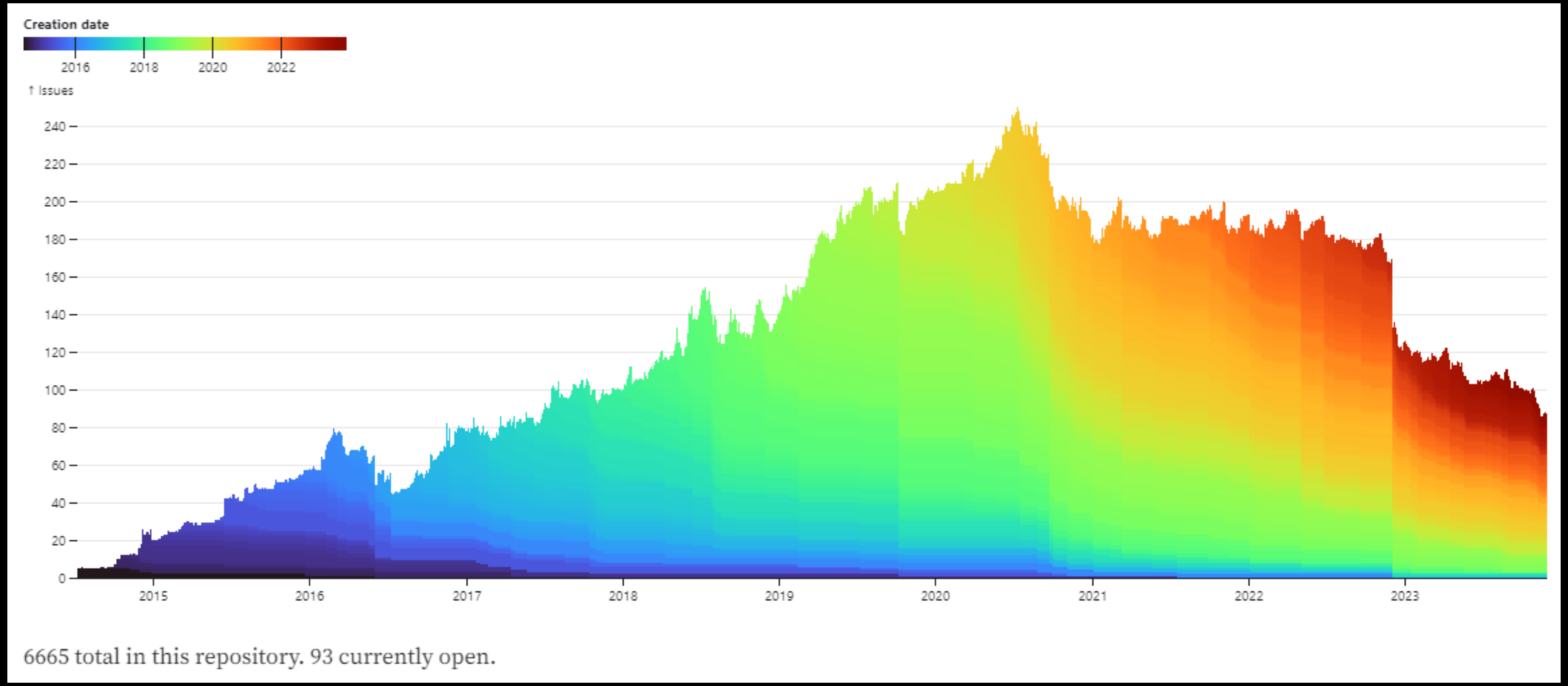

6665 total in this repository. 93 currently open.

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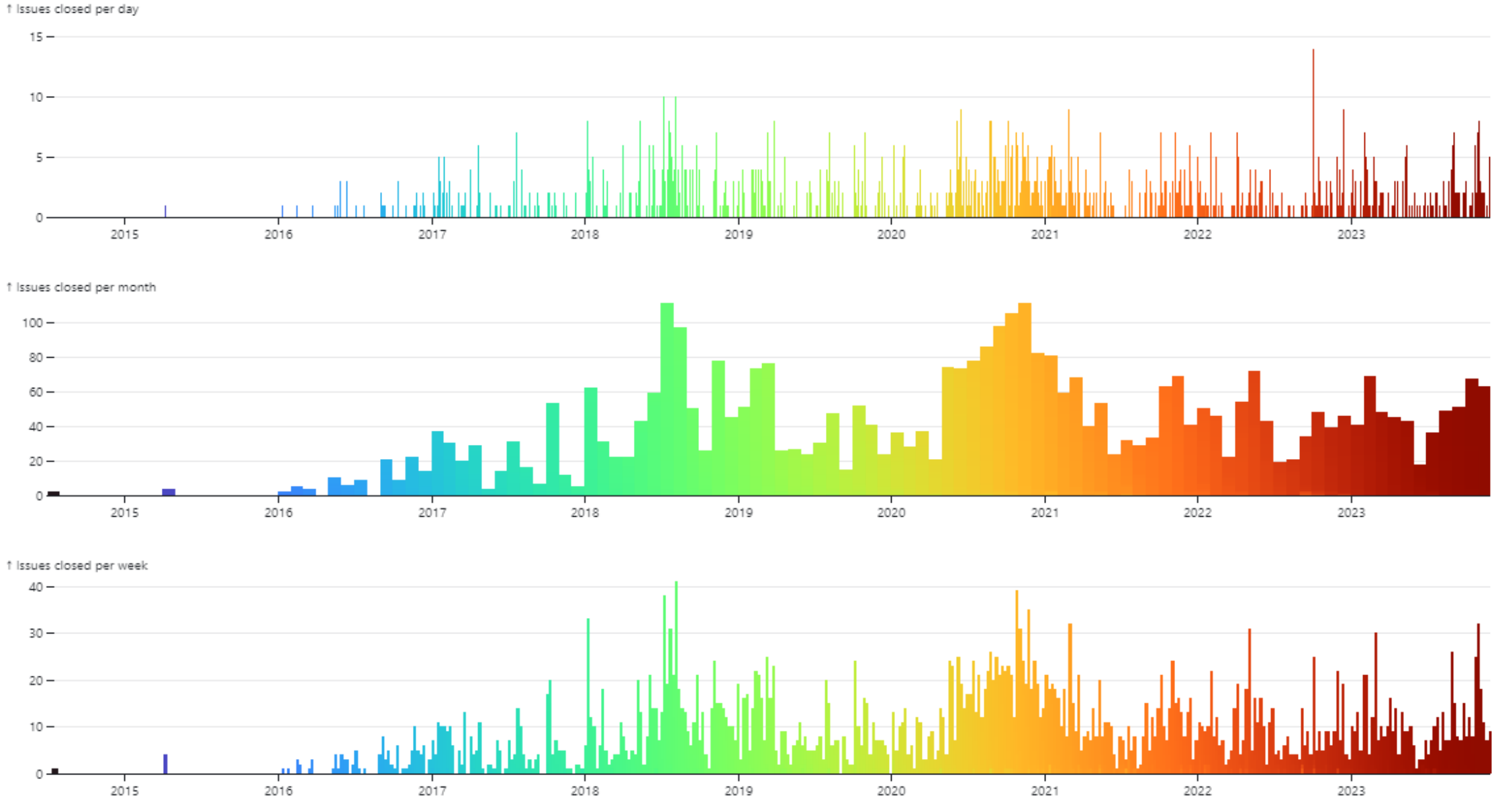
When issues have been closed



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Opposite of Clean Core?

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Sintax Errors

Opposite of Clean Core

Using Unreleased SAP Objects

Using Deprecated ABAP

Duplicating Code

Tax is Due When Moving to ABAP Cloud

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But Why?

Too many Great Unreleased Objects

New Features only in New Releases

No Clear Strategy for Reuse

Addicted to SAP Core

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Your Option

Escape

Defend

Attack

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Is There a Better Way?

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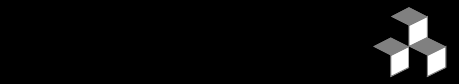

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Matt Mullenweg
WordPress

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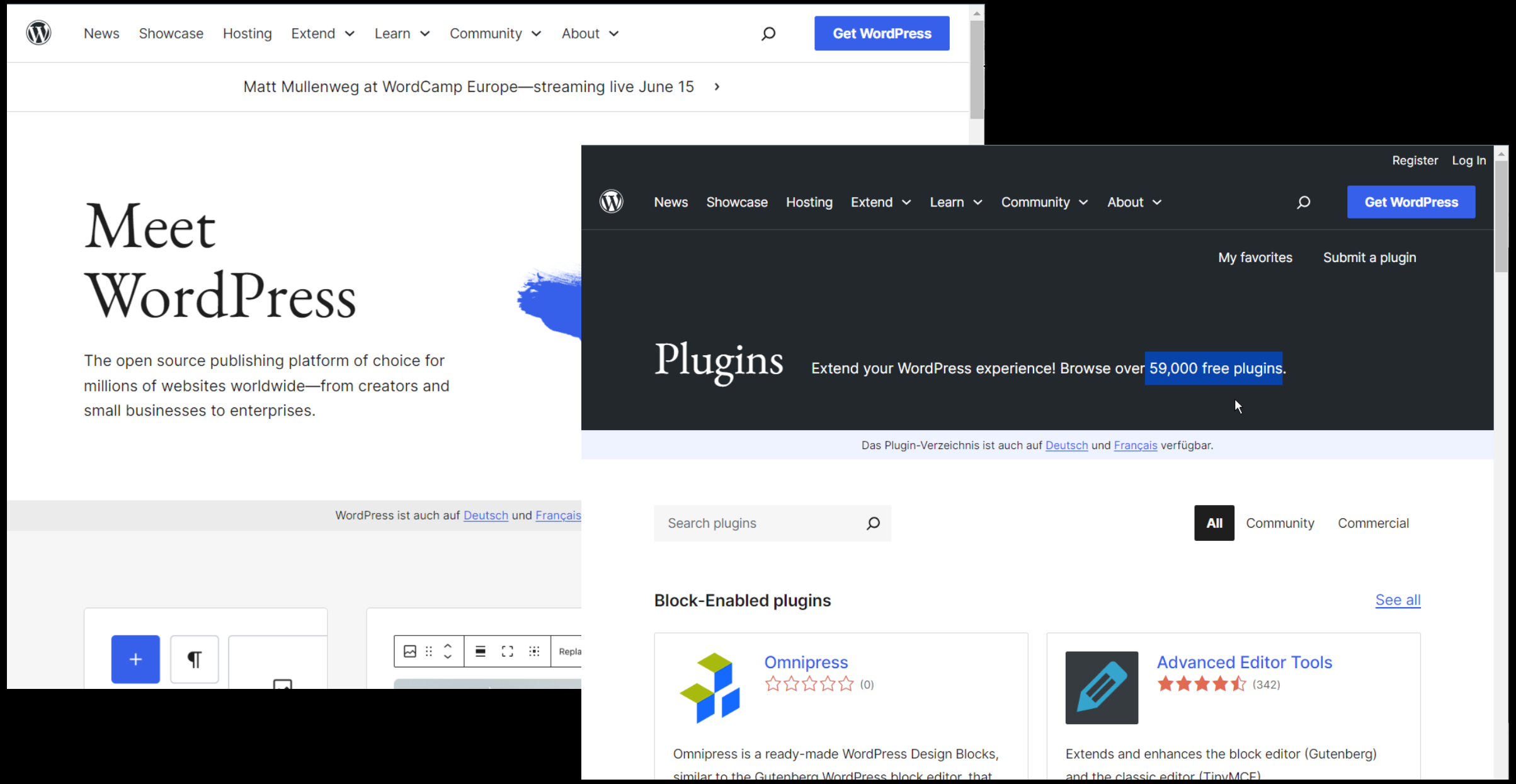

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Issac Schlueter

npm

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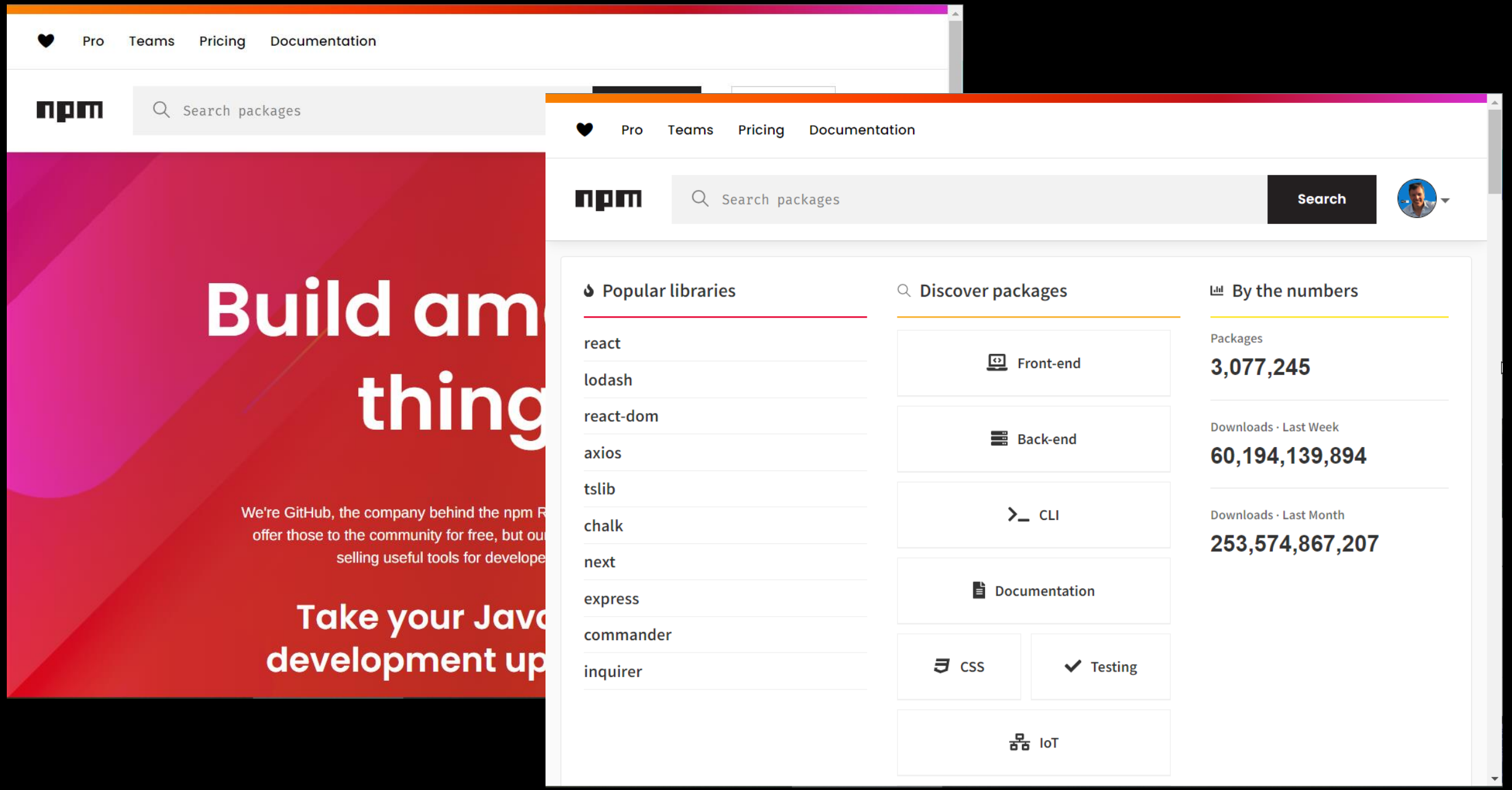

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Hasso
SAP Alumni

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ABAP Open Source!

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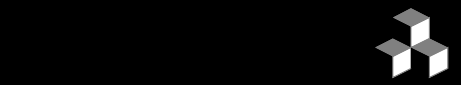

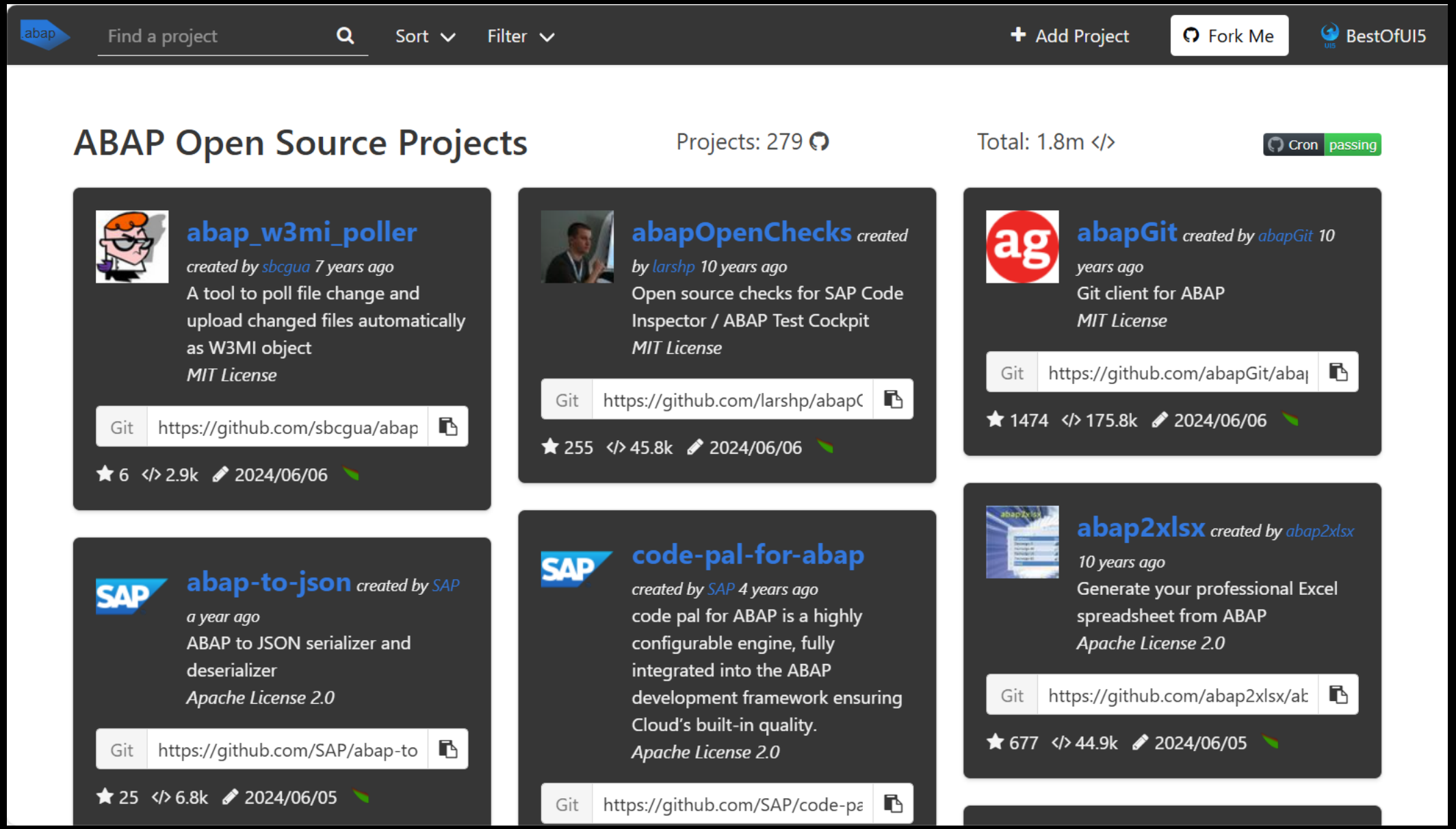

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STAR DEV

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

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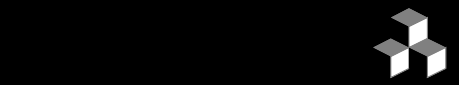
Feature Gaps

Versions

Dependencies

Full Manifests



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But Open Source is Broken

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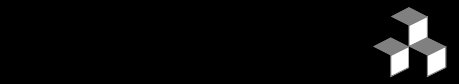

State of Affairs

Used Everywhere

Funded Little (if at all)

Scream

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Examples

Log4j

Core-js

Xz backdoor

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Funding

Free + Premium Version

Sponsoring

Advertising

Services

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Can We Do Better?

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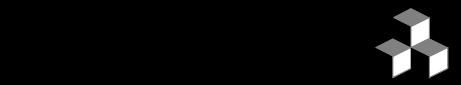

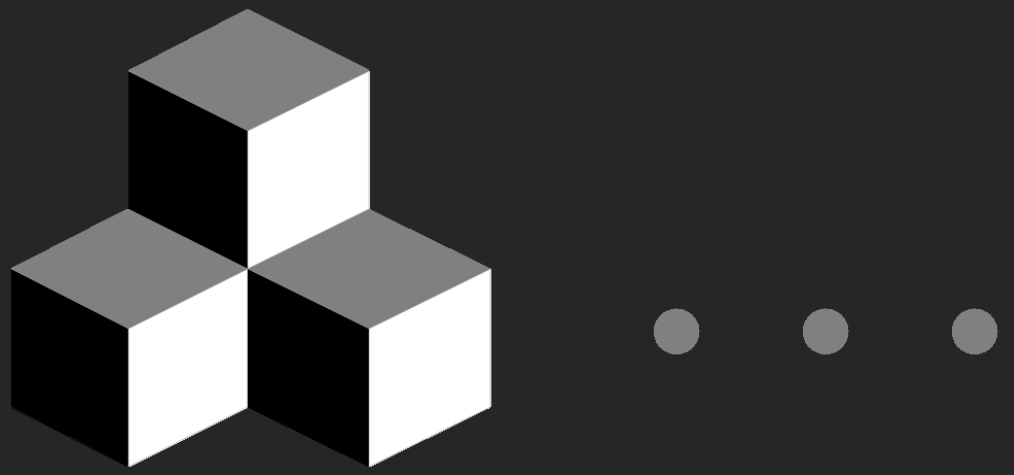

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Package Manager for ABAP

apm Website

apm Registry

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Purpose & Intent

Network Effects

Community First

Financial Longevity

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One More Thing...

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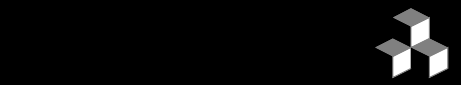

Let's Talk Money

New Financial Model for Open Source

No advertising
No pricing tiers
Same low price for everyone

8 Euro/user/month

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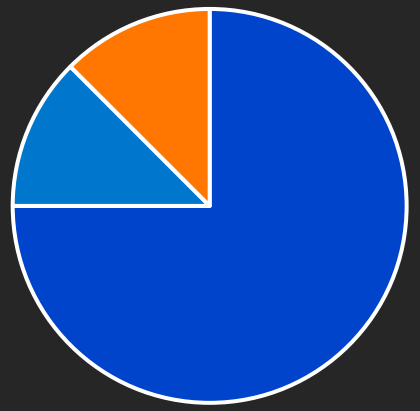
Money for You

Part of Revenue Goes into Fund
Share Increases Over Time



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Open Source ABAP Fund

Crowd Funding Open Source

Yearly Grant Round

Quadratic Funding (QF)

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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 ↓

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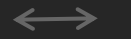
Systems

git repository



abapGit

your packages

apm client

apm registry

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Repeat After Me...

apm ne npm

npm !== apm

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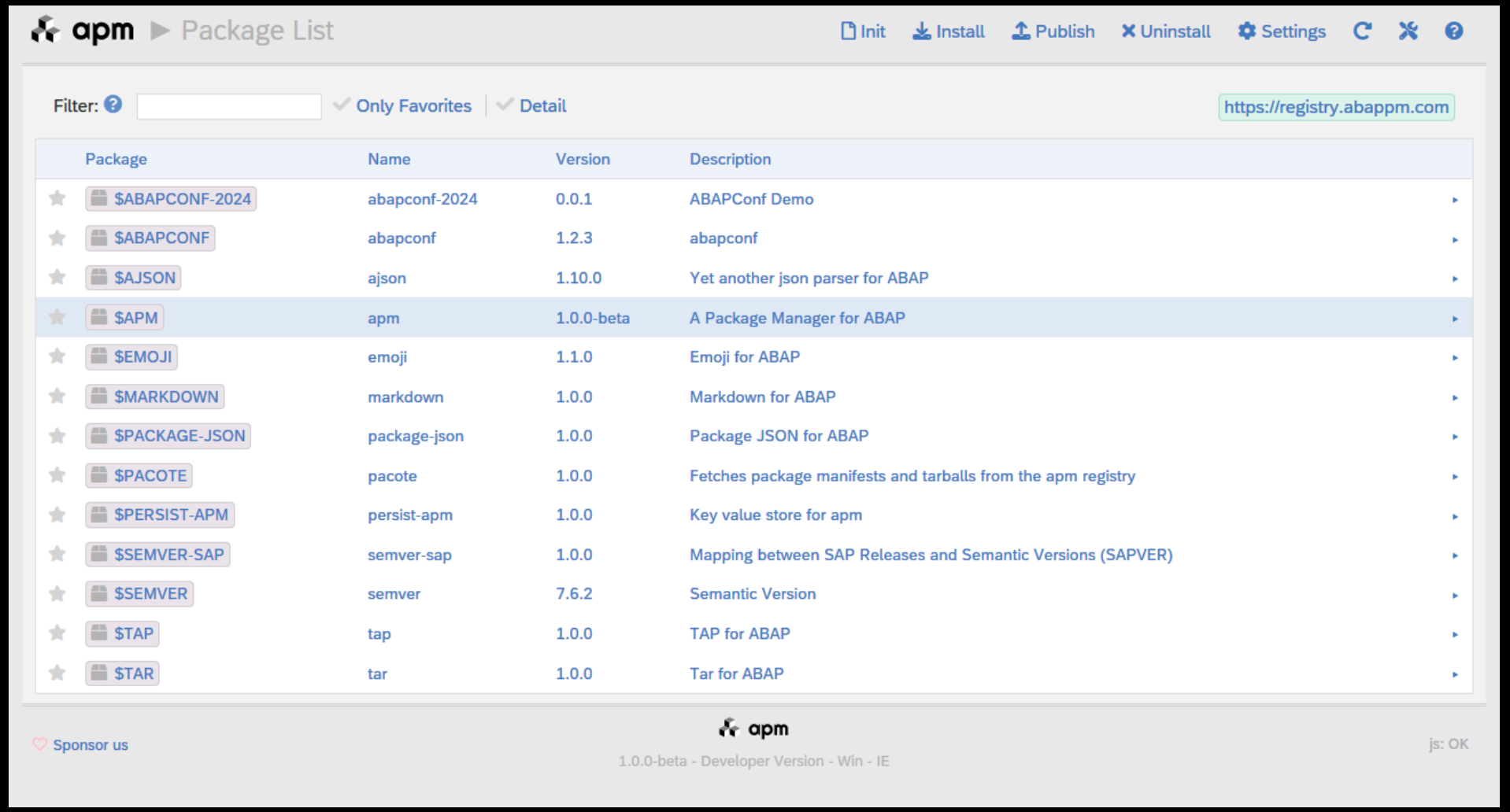
Package List



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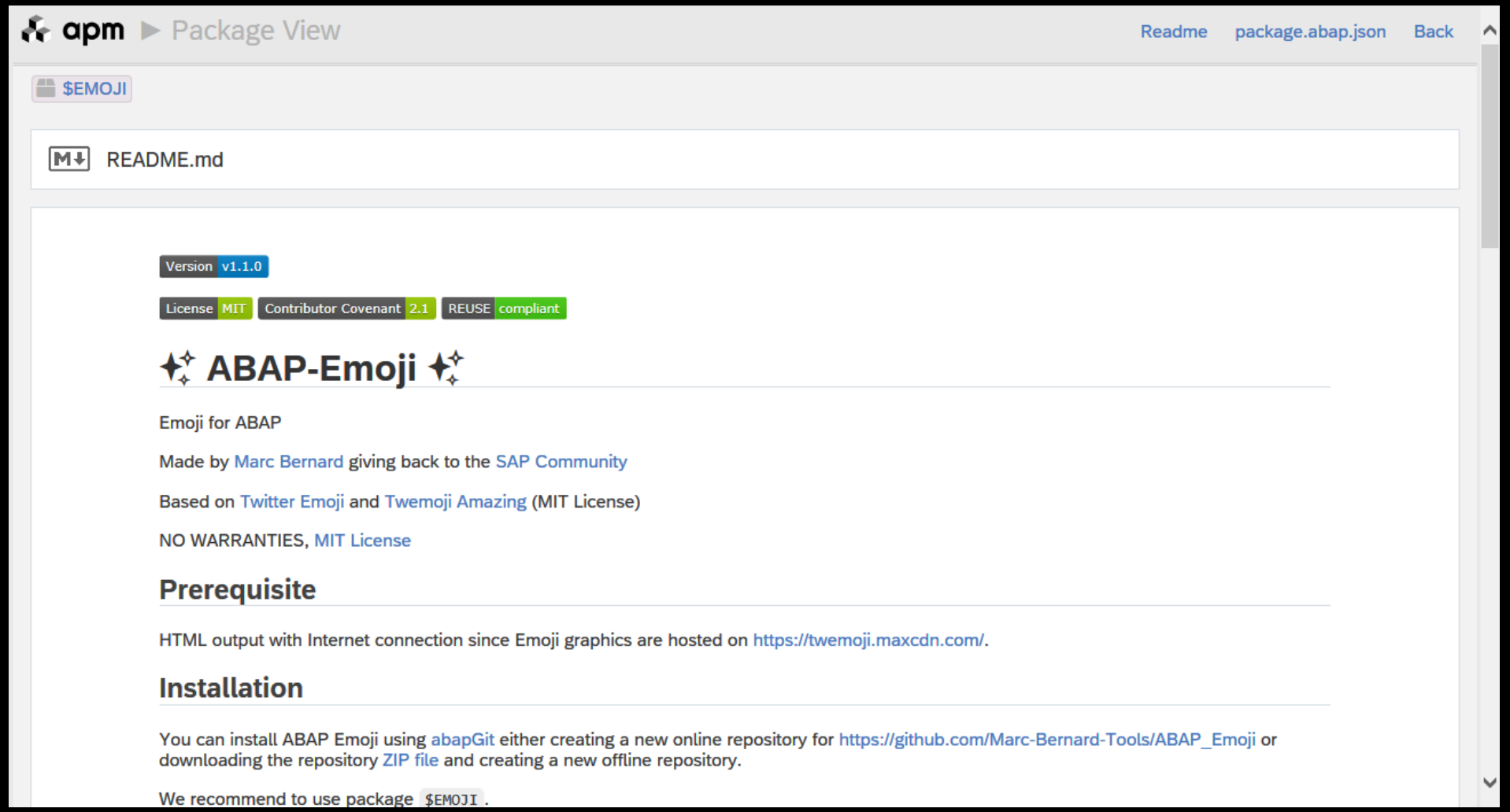
Package View > Readme



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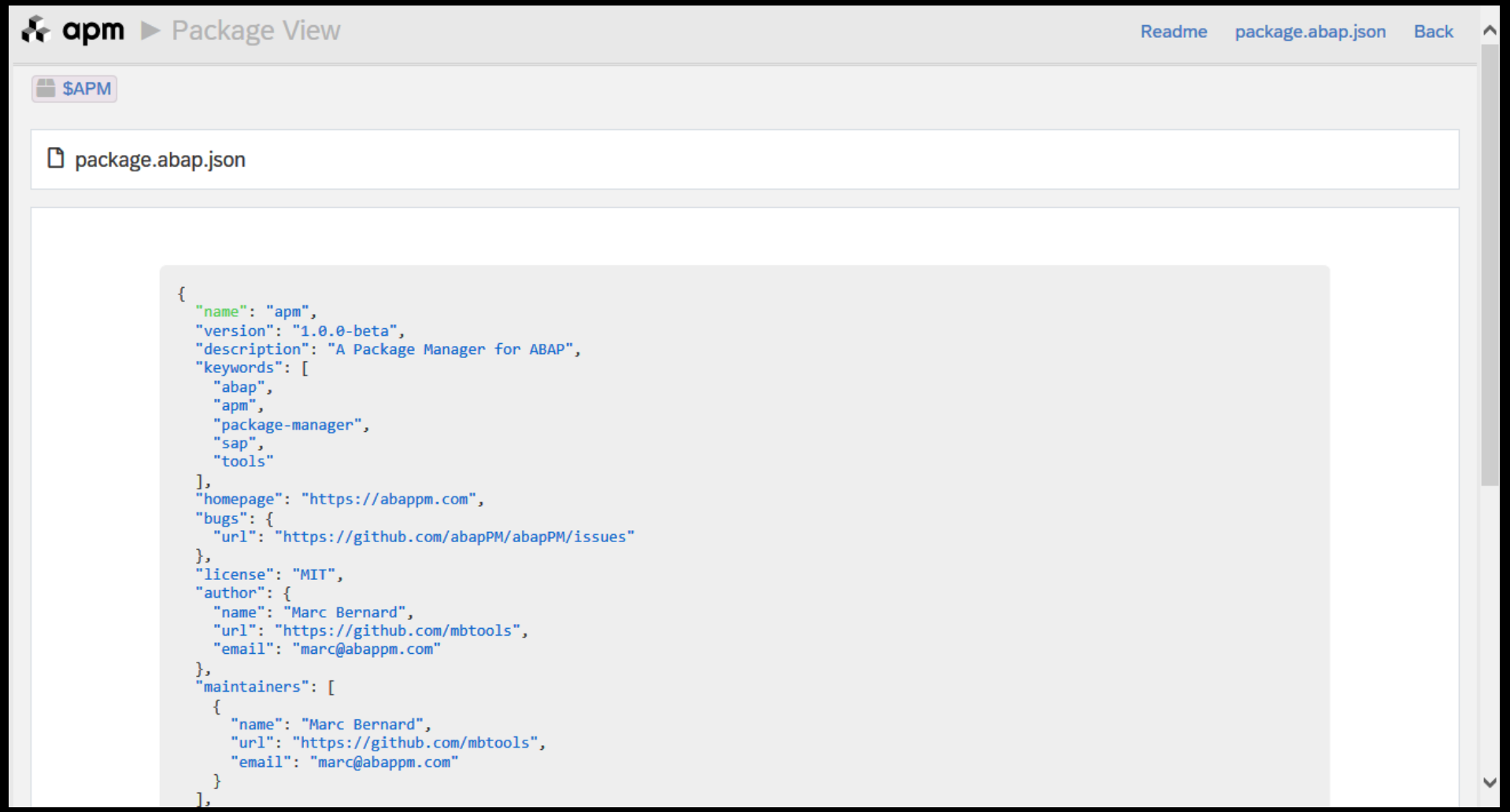
Package View > Manifest



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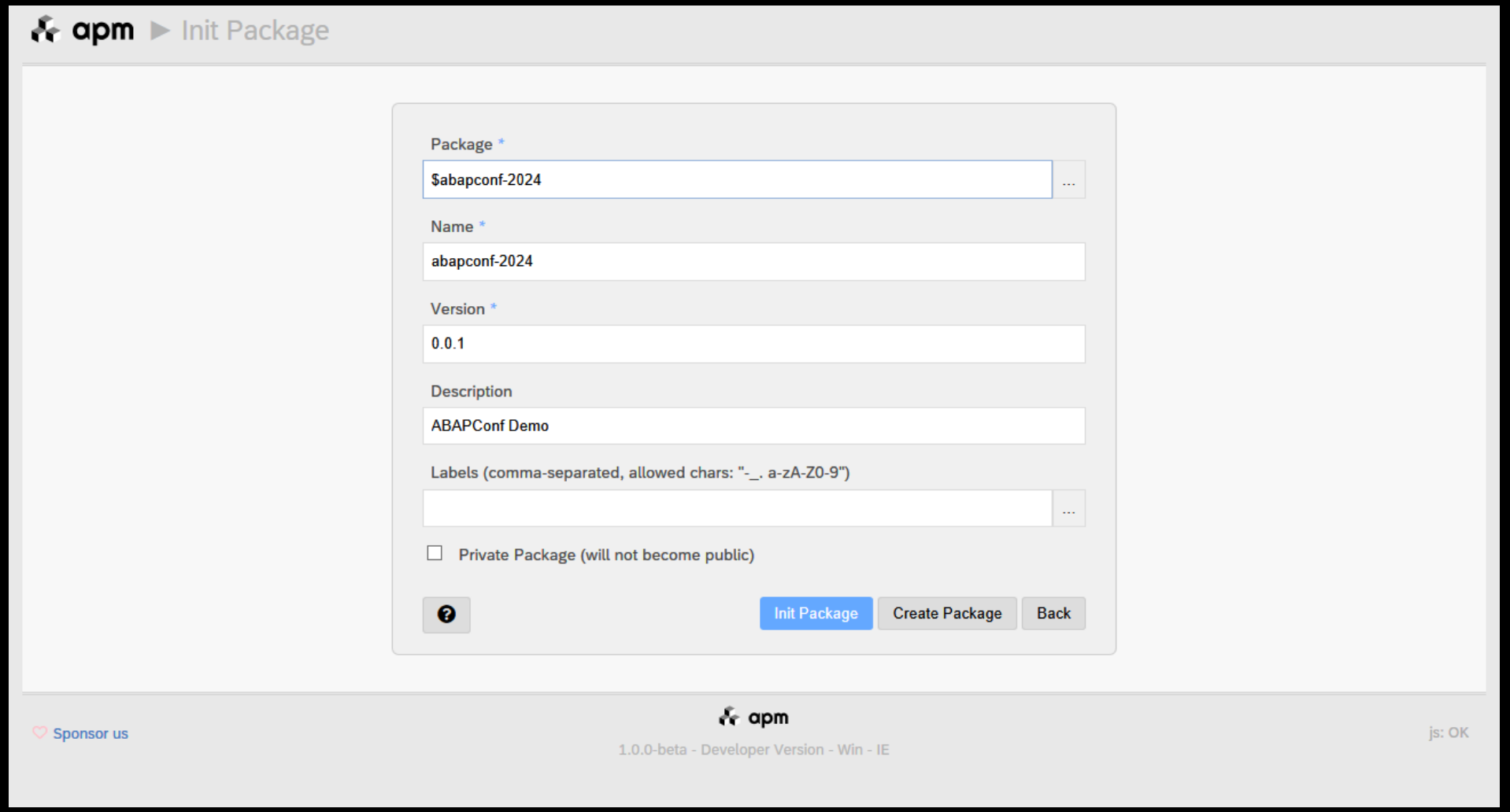
Init Package



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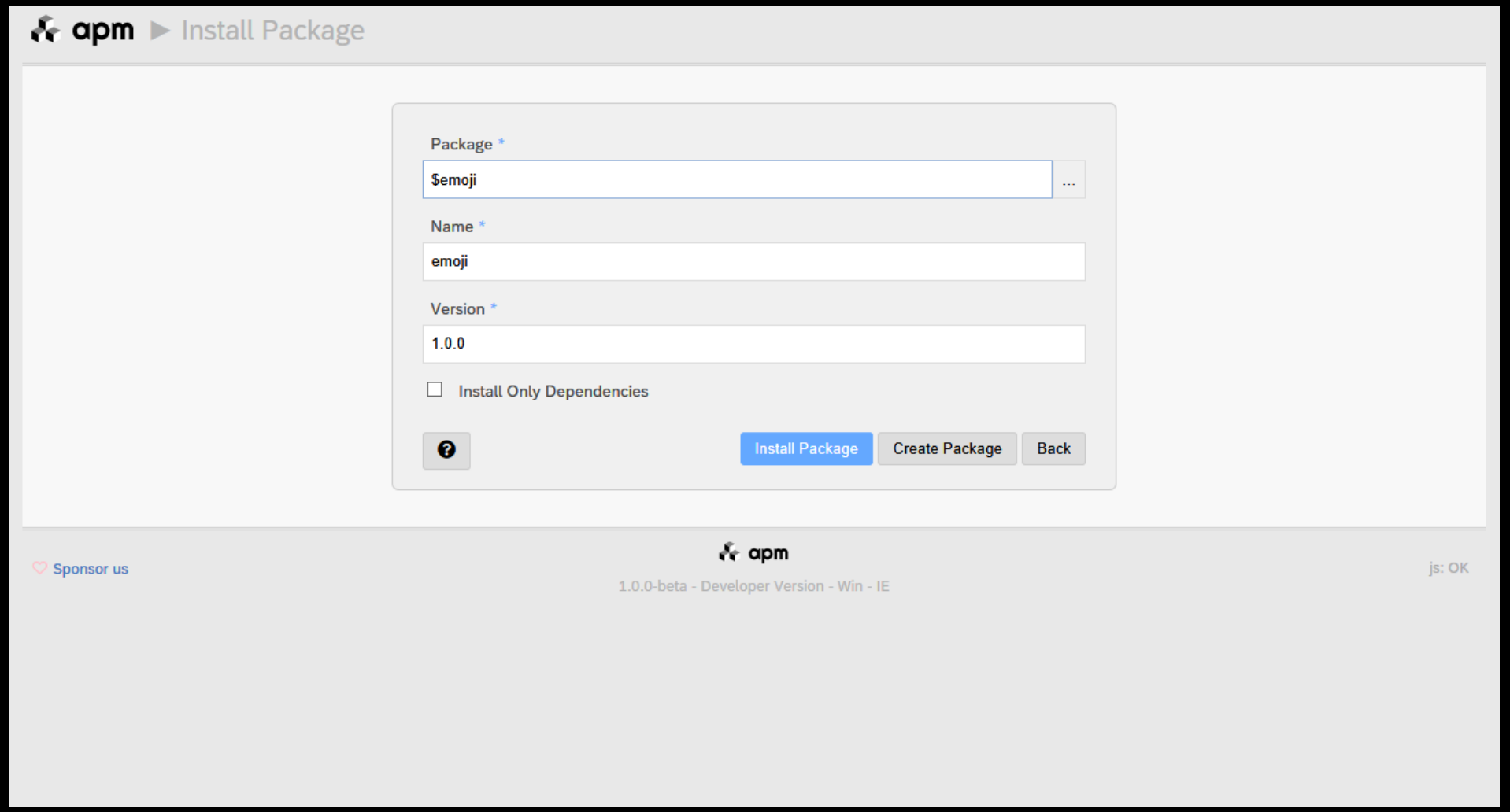
Install Package



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Your Turn

Sign Up!

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Thank You!

Marc Bernard

Founder and CEO of apm.to Inc.

@marcfbe

marc@abappm.com

Resources

https://abappm.com
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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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