apm

From Vision to Reality

Marc Bernard - December 2024

abap conf2024

Public

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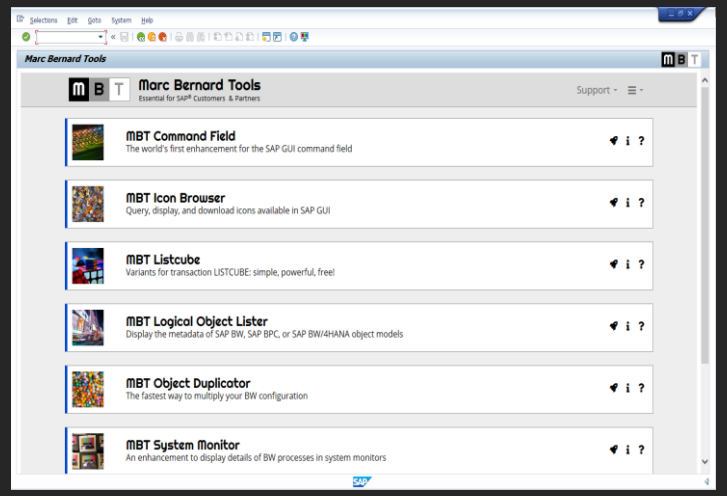
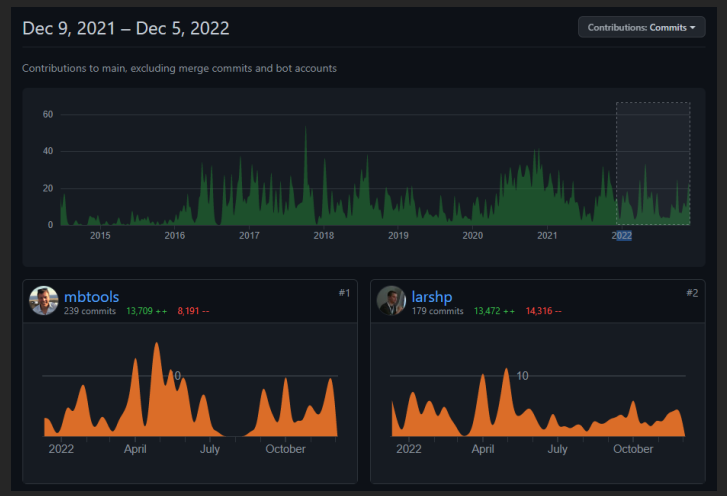
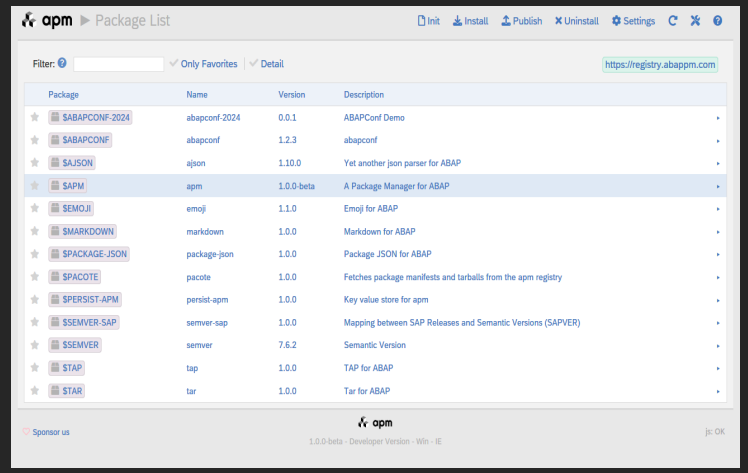
Marc Bernard

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







Marc Bernard Tools

Top Contributor to abapGit

Creator of apm

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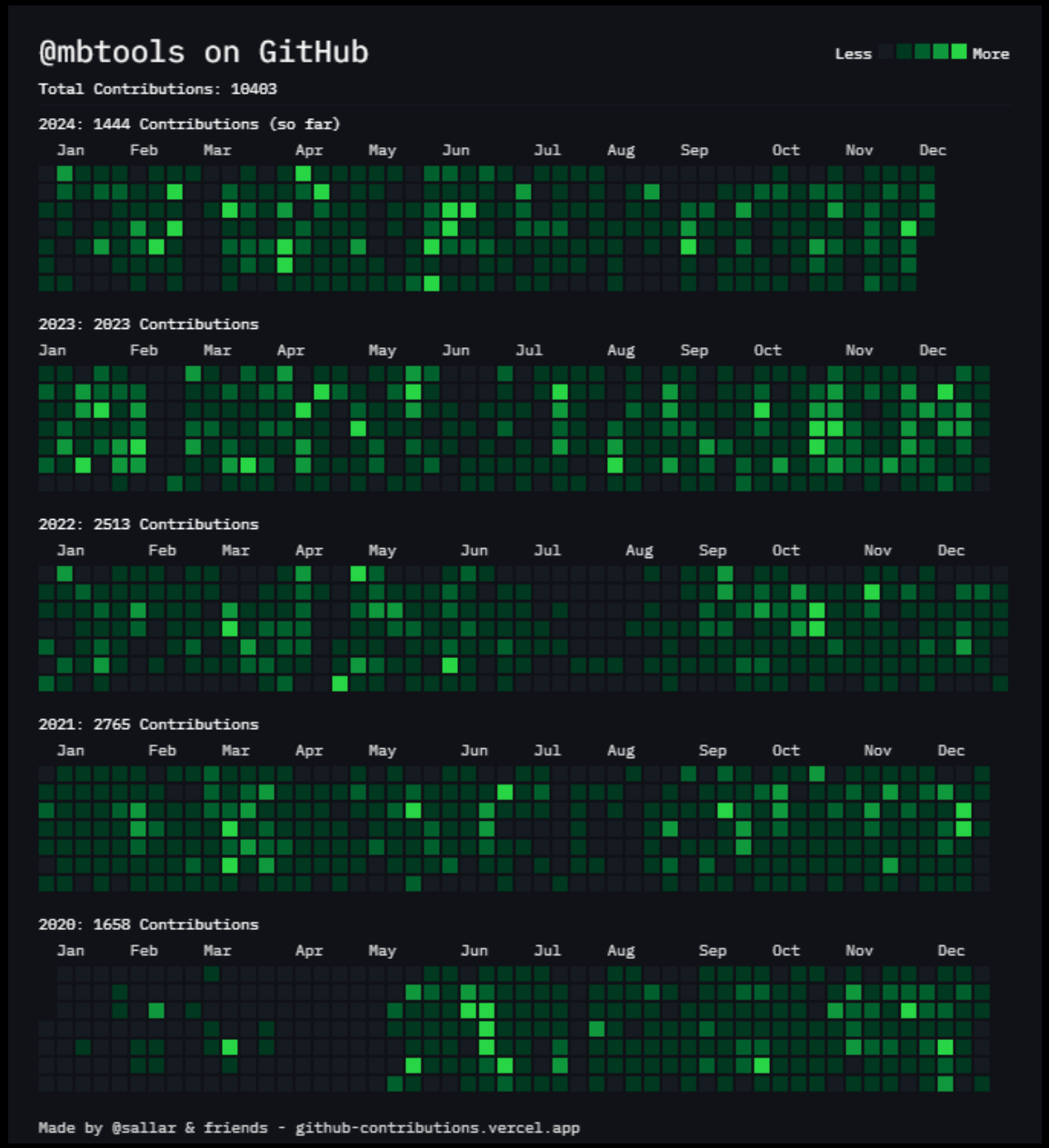

My Open-Source Contributions

- abapGit - Too many to count
- abaplint - Some little additions and improvements
- ajson - Added diff and sort utilities
- ABAP Logger - Maintenance, fixes, down ports
- ABAP Mime Editor - Added editor for W3MI objects
- Monaco - Update to ABAP 7.5x language syntax
- Shields - Added badges for "ClearlyDefined Score" and "GitHub Check Runs"
- TODO to Issue Action - Added support for ABAP
- Exercism - One of the initial creators of the ABAP Track and contributor to several exercises
- Verdaccio - Second most active contributor 😉
- SPDX - Improving notes about GPL licenses
- Suffusion - Lead maintainer of WordPress Theme
- React JSON View - Clipboard integration
- npm - Improving docs, fixing bugs, replacing dependencies (cli, semver, pacote, npm-registry-fetch, promise-spawn)

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Storytime

Once upon a time, there was an
ABAP Developer...

She had a friend in a far away land...

One day, they wanted to share some ABAP code...

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Reasons Developers ❤️ Open Source

Collaboration & Community

Flexibility & Customization

Learning & Development

Innovation

Cost

Quality

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What's Missing

Centralized Source of Packages

Version Management

Dependency Management

Ease of Use

Collaboration & Sharing

Simplified Deployment

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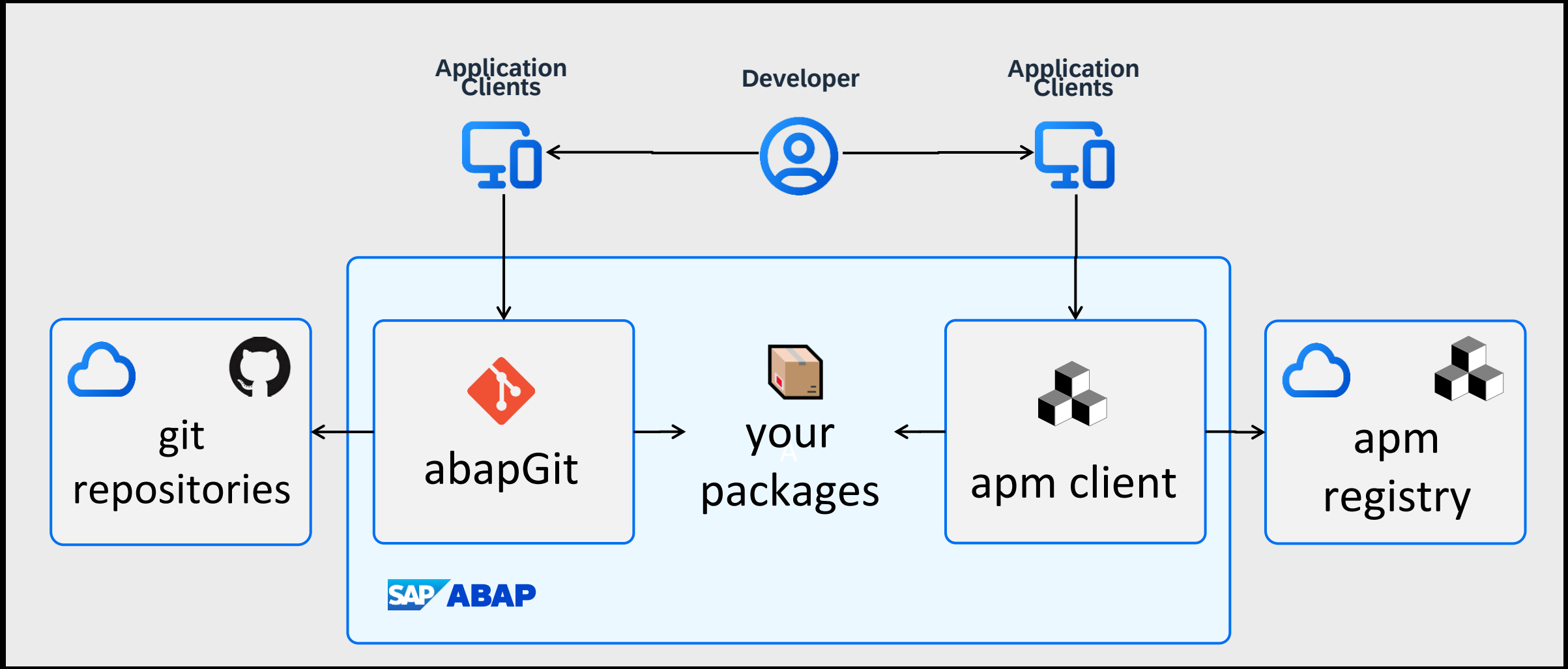
Overview Diagram



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What is apm?

Package Manager for ABAP

apm Website

apm Registry

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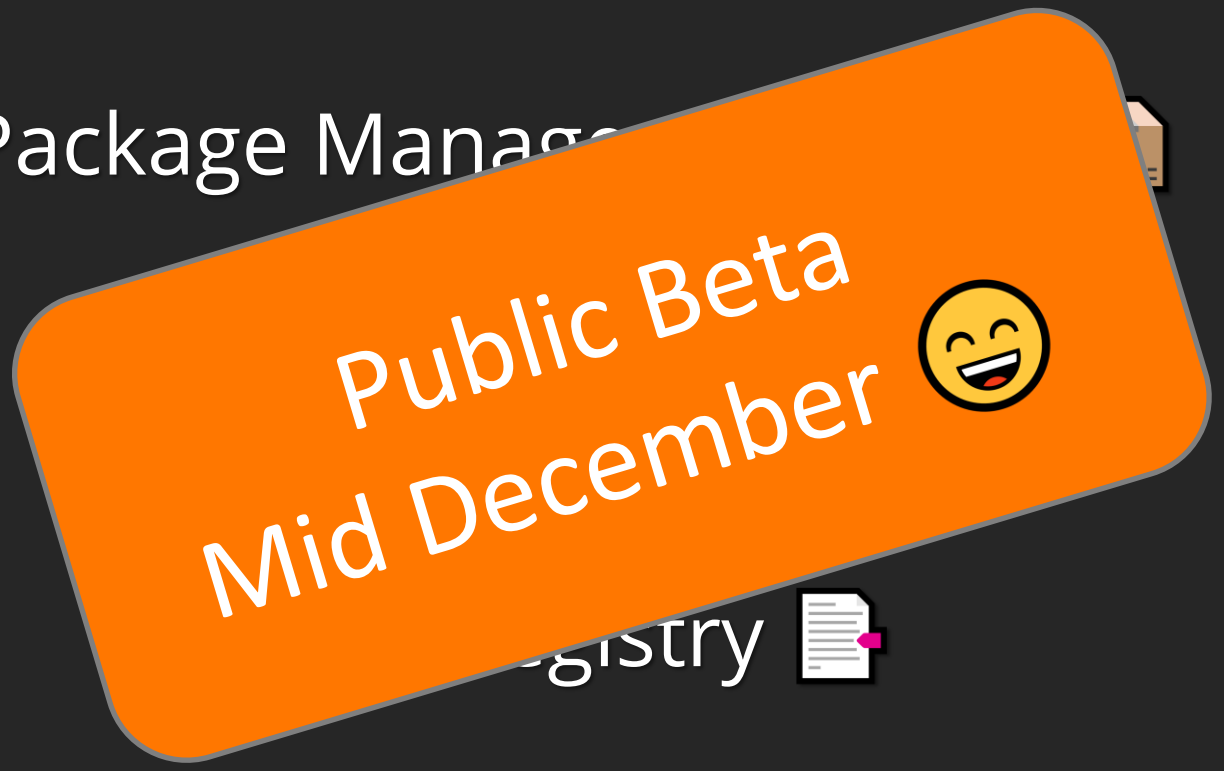
What is apm?

Package Manag



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The apm Website

https://abappm.com

Entry to the
World of Package Management for ABAP

Guides & Documentation

Account Management
(8€/user/month)

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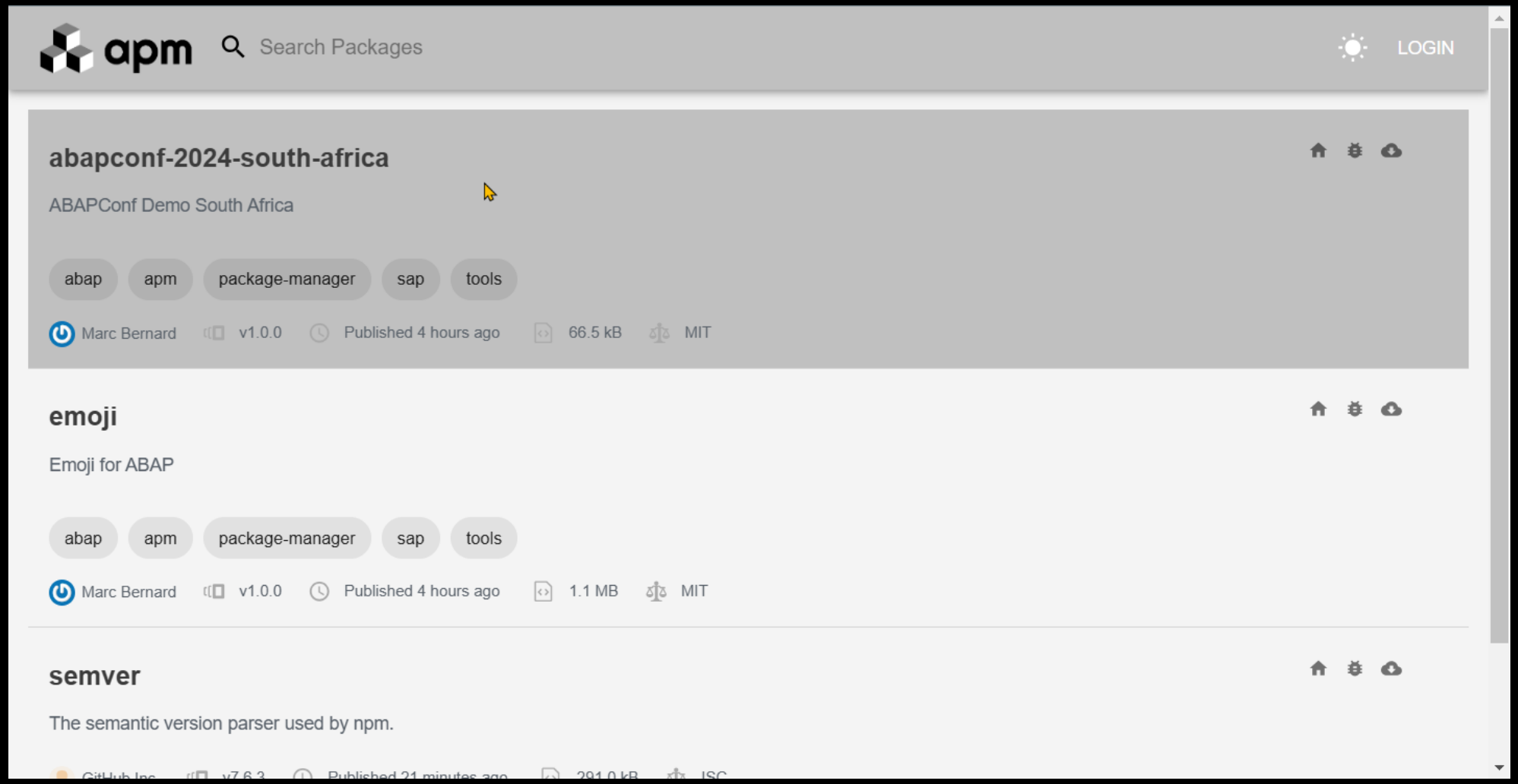
The apm Website



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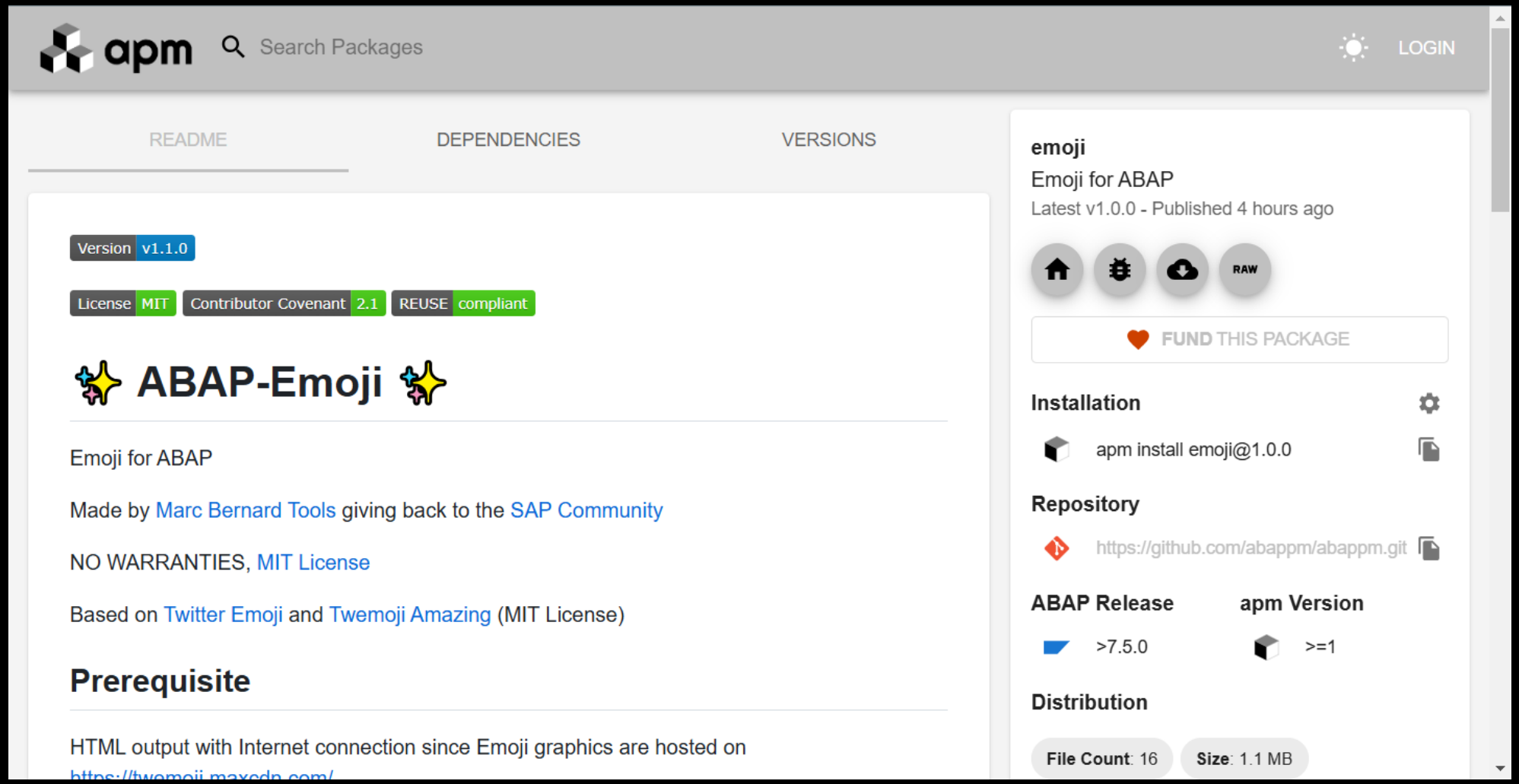

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Sidenote

All JavaScript Developers, Repeat After Me...

apm ne npm

npm !== apm

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The apm Registry

https://registry.abappm.com

Database for
Package Metadata, Readmes, and Tarballs

API for apm Client

Free to Browse,
Fee to Download & Publish

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The apm Registry

https://registry.abappm

Packag balls

Free Playground
Coming in December

ree to Browse,
Fee to Download & Publish

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The apm Registry

https://registry.abappm.com

Database for
Package Metadata, Readmes, and Tarballs

API for apm Client

Free to Browse,
Fee to Download & Publish

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The apm Client

Standalone and developer versions (like abapGit)

Runs in SAP GUI (like abapGit)

ABAP version 7.50 or higher
(down-ports planned)

Free and open source

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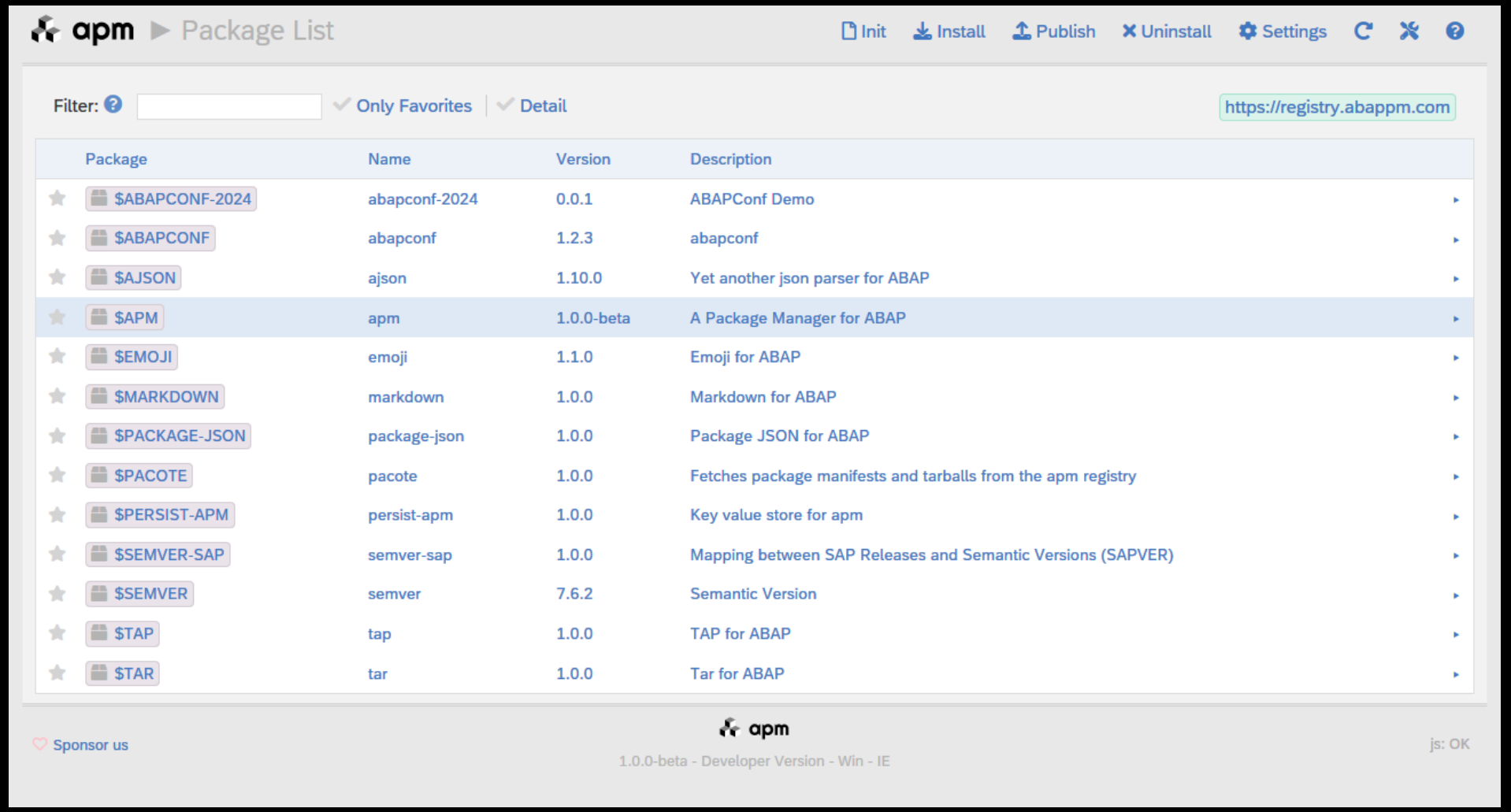
Package List



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Version Management

Semantic Versioning of Packages

“version”: “1.2.4”

Semantic Version Ranges for Specifying Dependencies

“ajson”: “>=1.10.0 >=2”

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Dependencies

“dependencies”

Your package requires dependency in system namespace (**installed together**)

“devDependencies”

Your package requires dependency but **not** in test or production systems

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Dependencies

“peerDependencies”

Your package requires dependency in system namespace (**installed separately**)

“bundleDependencies”

Dependency is included in your package (**imported and renamed**)

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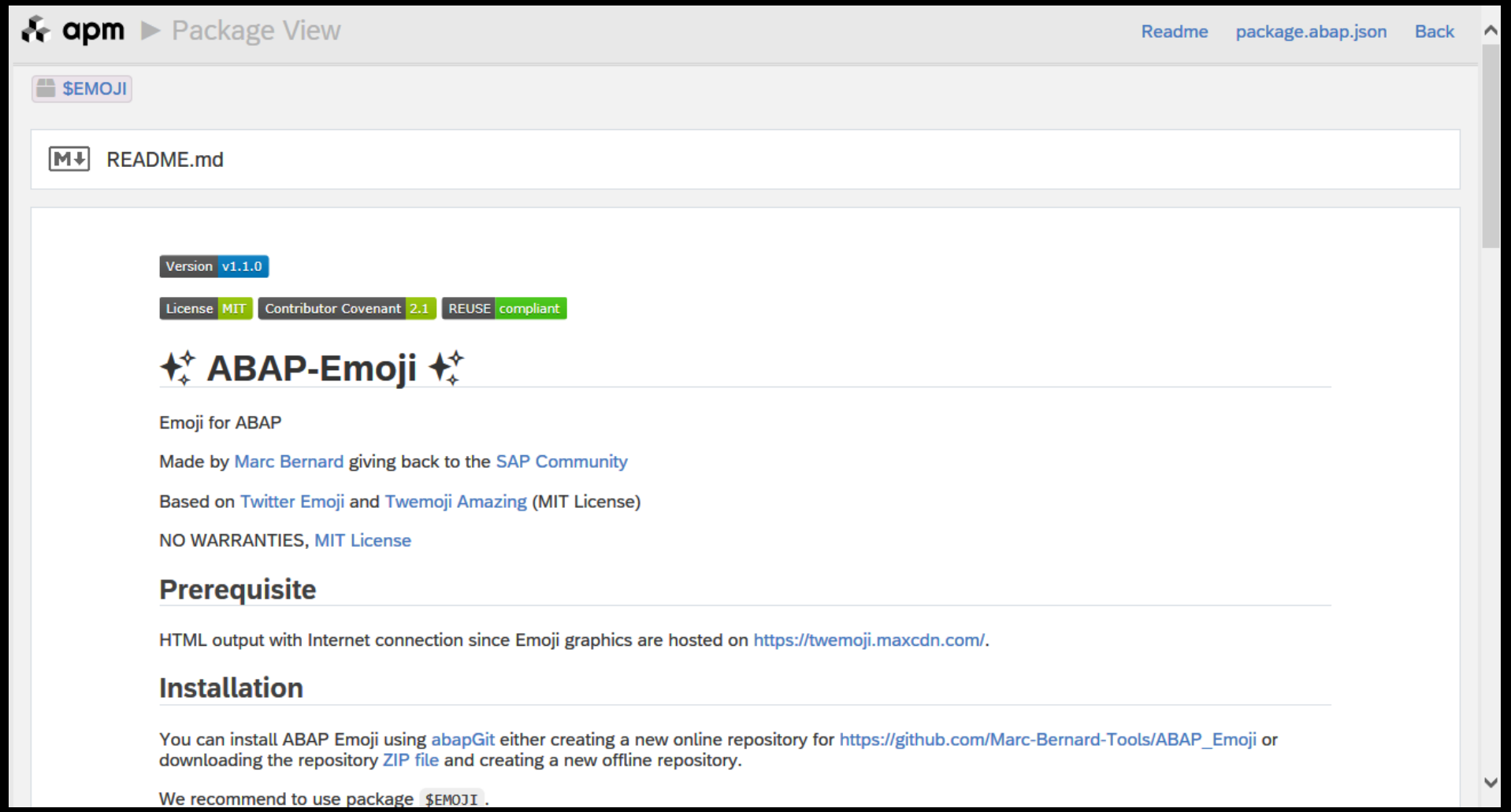
Package View > Readme



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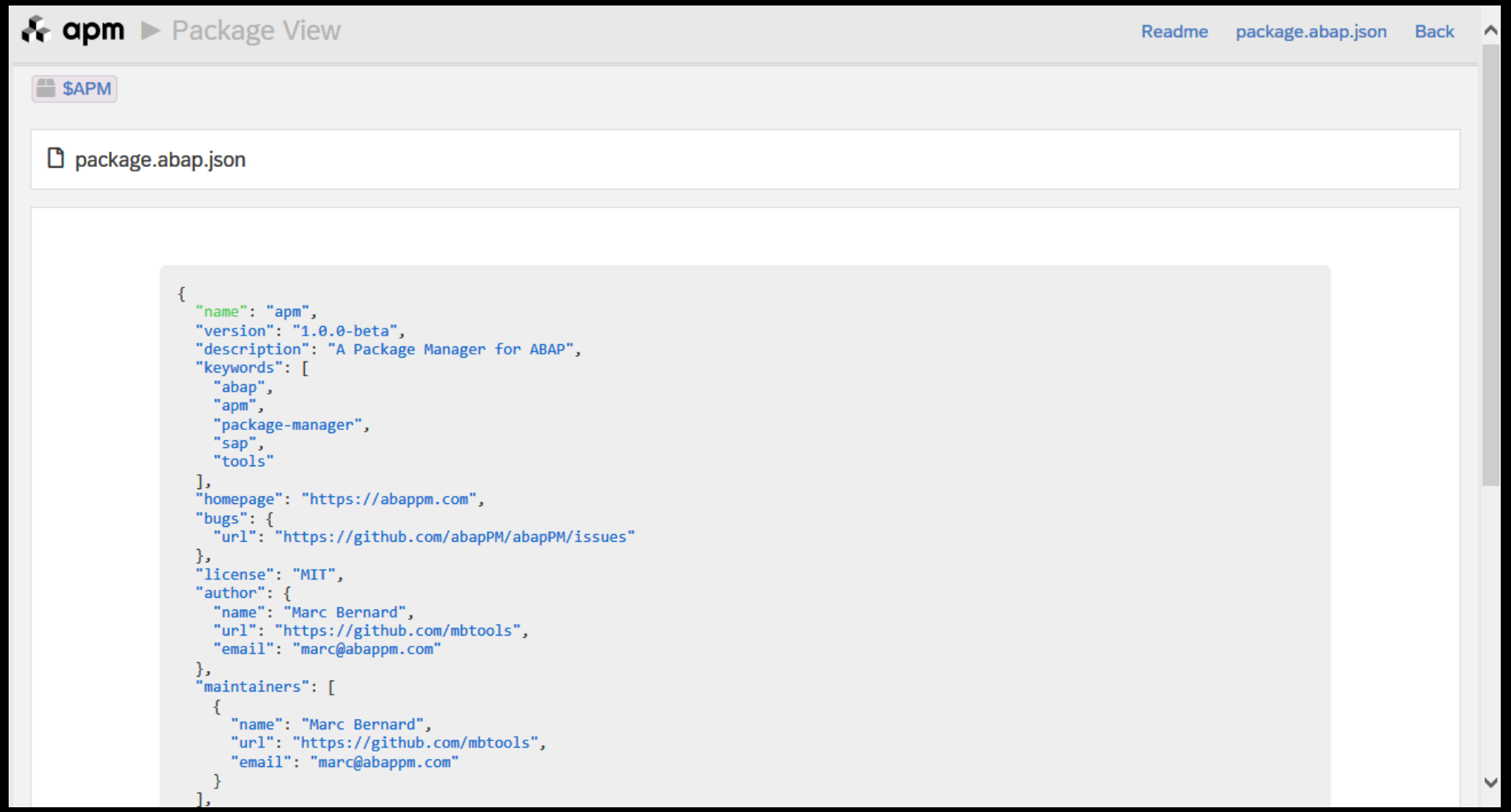
Package View > Manifest



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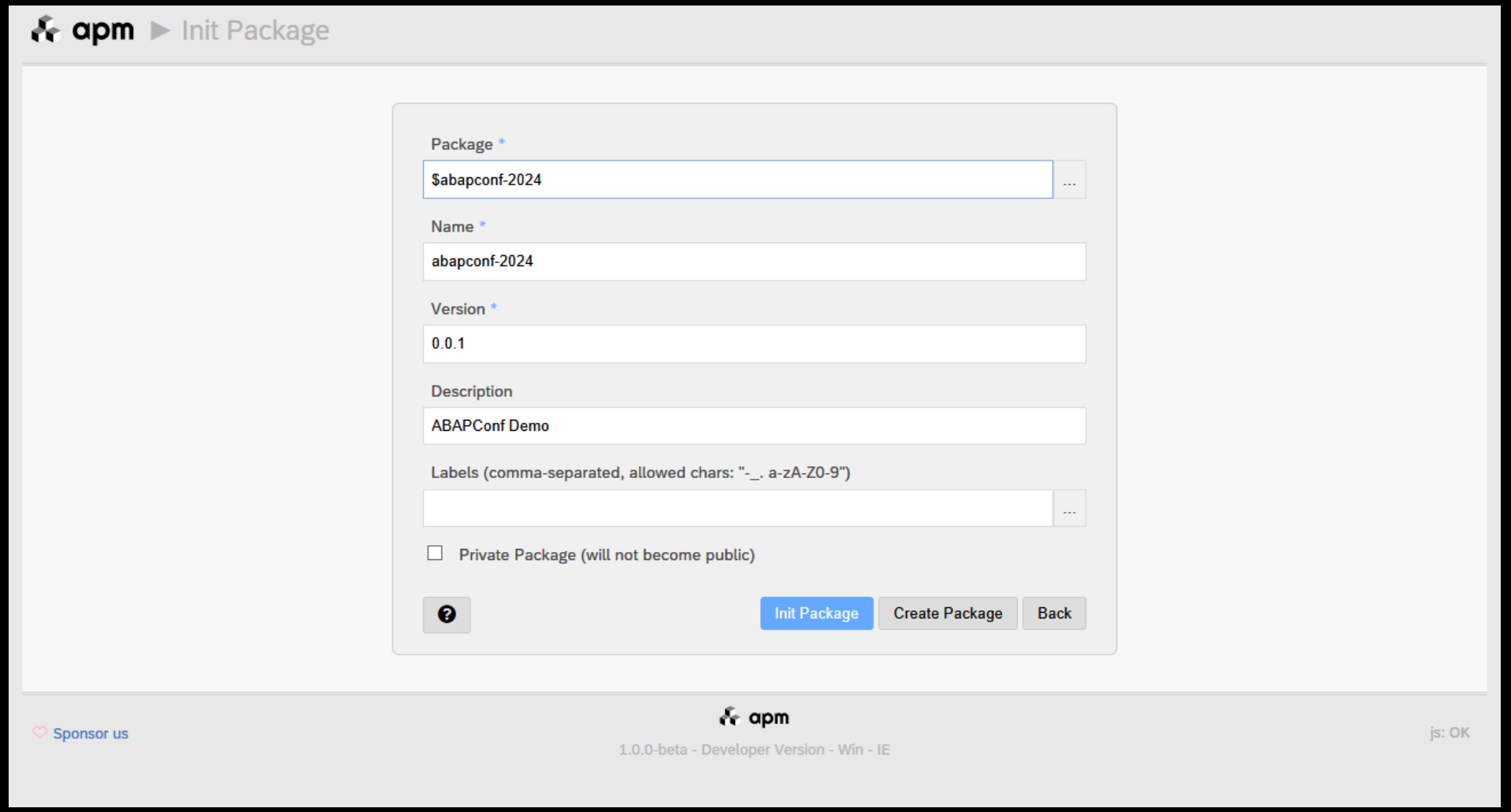
Init Package



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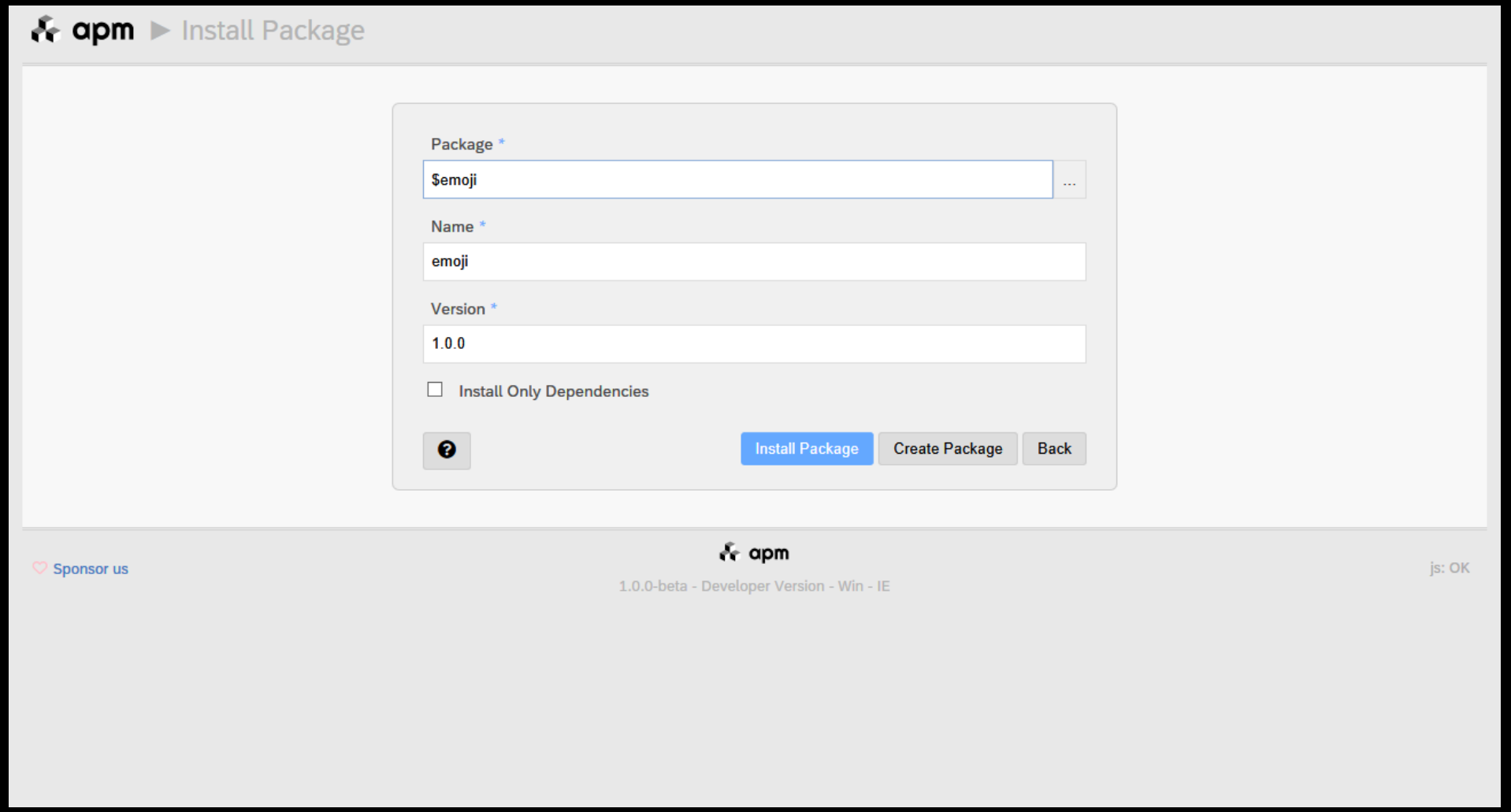
Install Package



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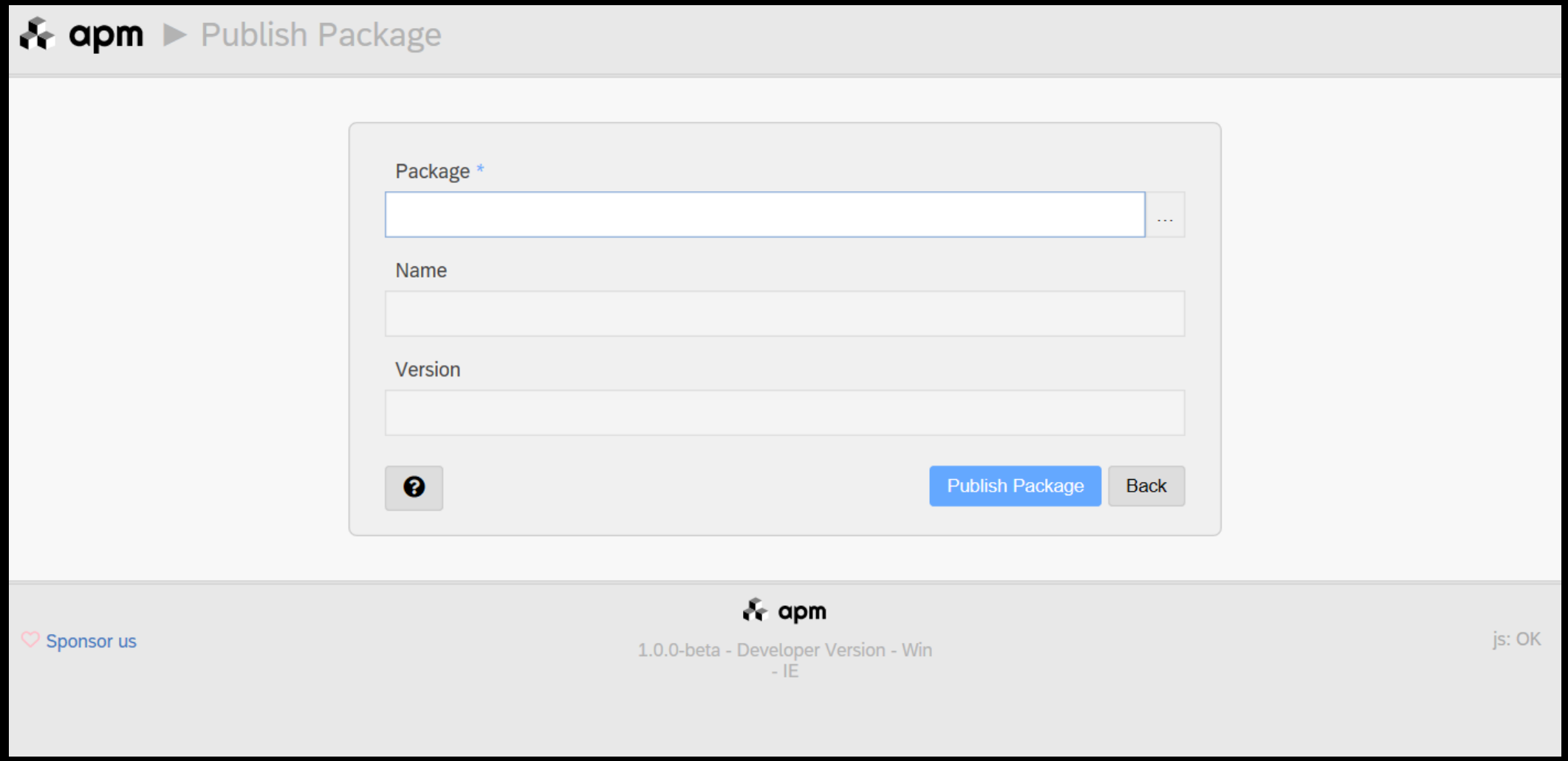
Publish Package



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Call to Action

Sign Up!

https://abappm.com/

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Incentives

- ABAP Tools for abapGit (available now)
- abapGit Exit Factory
- abaplint Extension for abapGit v2
- Markdown Extension for abapGit
- Last Change Extension for abapGit
- File Viewer Extension for abapGit
- Full-text Search Extension for abapGit
- Pretty Extension for abapGit
- Serializer Cache for abapGit

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- Serializer Cache for abapGit

1 gift for every
100 apm MAU

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More from me...

ABAPConf 2021:
abapGit for Beginners [recording]

ABAPConf 2022:
4 abapGit Use Cases That Will Blow Your Mind [recording]

ABAPConf 2024:
Addressing the Future of ABAP:
The Power of Open Source [recording]

SAP “The Open-Source Way” Podcast: abapGit

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Thank You!

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