

ELEVATING CONNECTOR QUALITY

HOW TO MASTER THE MARKETPLACE

CamundaCon 2024, Berlin

"QUALITY IS NEVER AN ACCIDENT; IT IS ALWAYS THE
RESULT OF HIGH INTENTION, SINCERE EFFORT,
INTELLIGENT DIRECTION AND SKILLFUL EXECUTION."

— John Ruskin⁺

⁺English writer and philosopher (1819-1900)

HEY, I'M STEFAN (HE/HIM)

 Principal Software Engineer

 Consid AB in Hamburg

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Driven Stuff

 Camunda Champion

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WHAT ARE CONNECTORS?

- low-code components
- solve specific problems
- can be modeled and configured
- development open to everyone
- available in Camunda's marketplace

WHAT ARE CONNECTORS?

CAMUNDA marketplace

Explore Connectors Idea Portal About Camunda

Your hub for Camunda Connectors

All Applications
76 Results

Sort By: Relevance

Filters Clear Filters

Categories

- ☐ Cloud Computing Services
- ☐ Automation Services
- ☐ External Data Services
- ☐ Enterprise Applications
- ☐ Collaboration Tools
- ☐ Content Management
- ☐ Data & Analytics
- ☐ Protocol Connectors
- ☐ AI Services

Connector Type

- ☐ Inbound Connector
- ☐ Outbound Connector

Creator

- ☐ Camunda
- ☐ Partner
- ☐ Community

Connector Runtime

- ☐ Camunda Connectors Bundle
- ☐ Host yourself

Version Compatibility

- ☐ 8.2
- ☐ 8.3
- ☐ 8.4

Clear Filters

OpenAI Connector
Leverage ChatGPT and OpenAI's Moderation API in your business processes.
Creator: Camunda

AWS Lambda Connector
Invoke AWS Lambda functions as part of orchestrated business...
Creator: Camunda

GraphQL Connector
Simplify GraphQL queries and optimize process performance.
Creator: Camunda

REST Connector
Connect, interact, and synchronize processes with any RESTful API across...
Creator: Camunda

Asana Connector
Streamline business processes by bridging the gap between project managem...
Creator: Camunda

Automation Anywhere Connector
Integrate Camunda's leading process orchestration with Automation Anywhere's RPA...
Creator: Camunda

Amazon DynamoDB Connector
Integrate DynamoDB, Amazon's NoSQL database service, with Camunda...
Creator: Camunda

Amazon SNS Connector
Send and receive messages between Camunda and Amazon SNS. Enhance your...
Creator: Camunda

Microsoft SQL Server Connector
Connect to MSSQL and perform all types of database operations within Camunda-...
Partner
Creator: Infosys

AWS S3 Connector
Seamless AWS S3 File Integration
Partner
Creator: Novatec Consulting GmbH

Host Yourself Installation Guide Contact Creator

Overview

File Validator

new file available

bucket, key and region of file provided

add process context

download file from S3

validate file content

file valid?

no

yes

delete invalid file from S3

generate result file

Simply Connect Your Camunda 8 Processes with Amazon S3

Effortlessly connect Camunda 8 processes with Amazon Simple Storage Service (S3), enabling smooth and secure file uploads, downloads, and deletions. This integration streamlines your workflow, providing a seamless experience for managing files in the cloud without the need to store them in process variables. Our connector offers a comprehensive suite of file management functions, allowing users to upload, download, and delete files from AWS S3 directly from within their processes. This empowers teams to efficiently handle their data without the need for complex external tools. Facilitate easy file sharing among job workers with our innovative process file API. This locally shared interface simplifies collaboration, making it straightforward for processes to access and utilize files, enhancing teamwork and productivity within your organization.

Features and Benefits

Download files for further processing

Effortlessly pull data directly into your Camunda processes, eliminating delays and streamlining your workflow. Enjoy fast and reliable downloads, ensuring your file based processes have all resources available when they need them.

Details

Marketplace release date
Friday, September 22, 2023

Last Github commit
Friday, February 23, 2024

Associated Product Group Categories:
Cloud Computing Services

Version Compatibility:
8.2, 8.3, 8.4

Support and documentation
Documentation
Knowledge Base

Creator

AWS S3 CONNECTOR
upload file to S3

General

Name
upload file to S3

ID
upload_file

Template Applied

Name
AWS S3 Connector

Version
2

Description
Manage your files on AWS S3

Authentication

Select Operation
Upload file

Operation Details

AWS Region **fx**
= report.region

Specify an AWS region

Bucket name **fx**
= downloadResult.bucketName

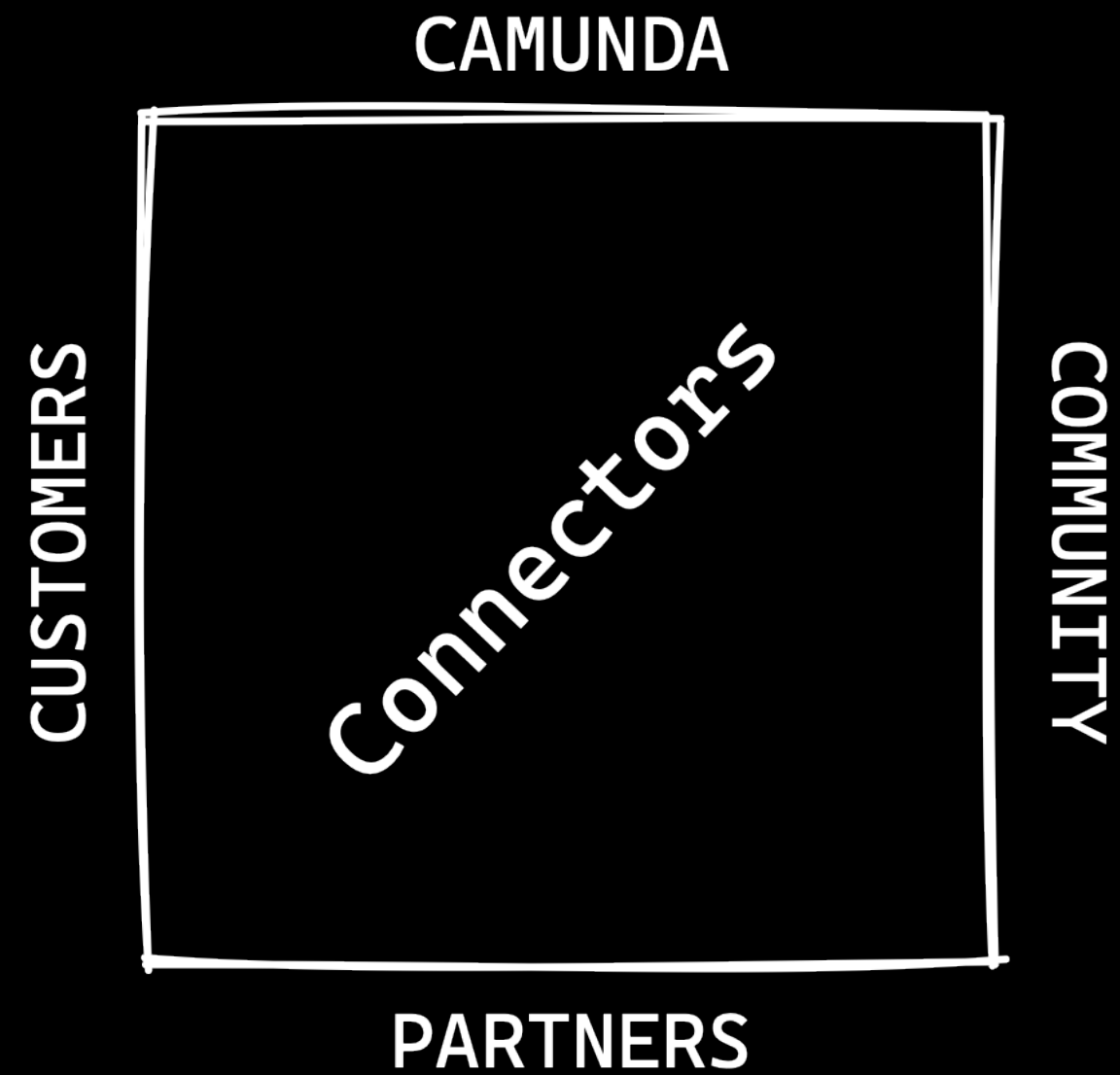
Enter the name of your s3 bucket

Object key **fx**
= generatedFilePath

Provide a key for your upload, relative from the bucket (e.g. my/files/message.xml)

File Path **fx**

QUADRANT OF CONNECTOR **SUCCESS**



THE CAMUNDA TEAM

provides the platform, OOTB connectors, and tools to enable customers, partners and the community.





THE PARTNERS

provide connectors with
custom features for
customers.

THE CUSTOMERS

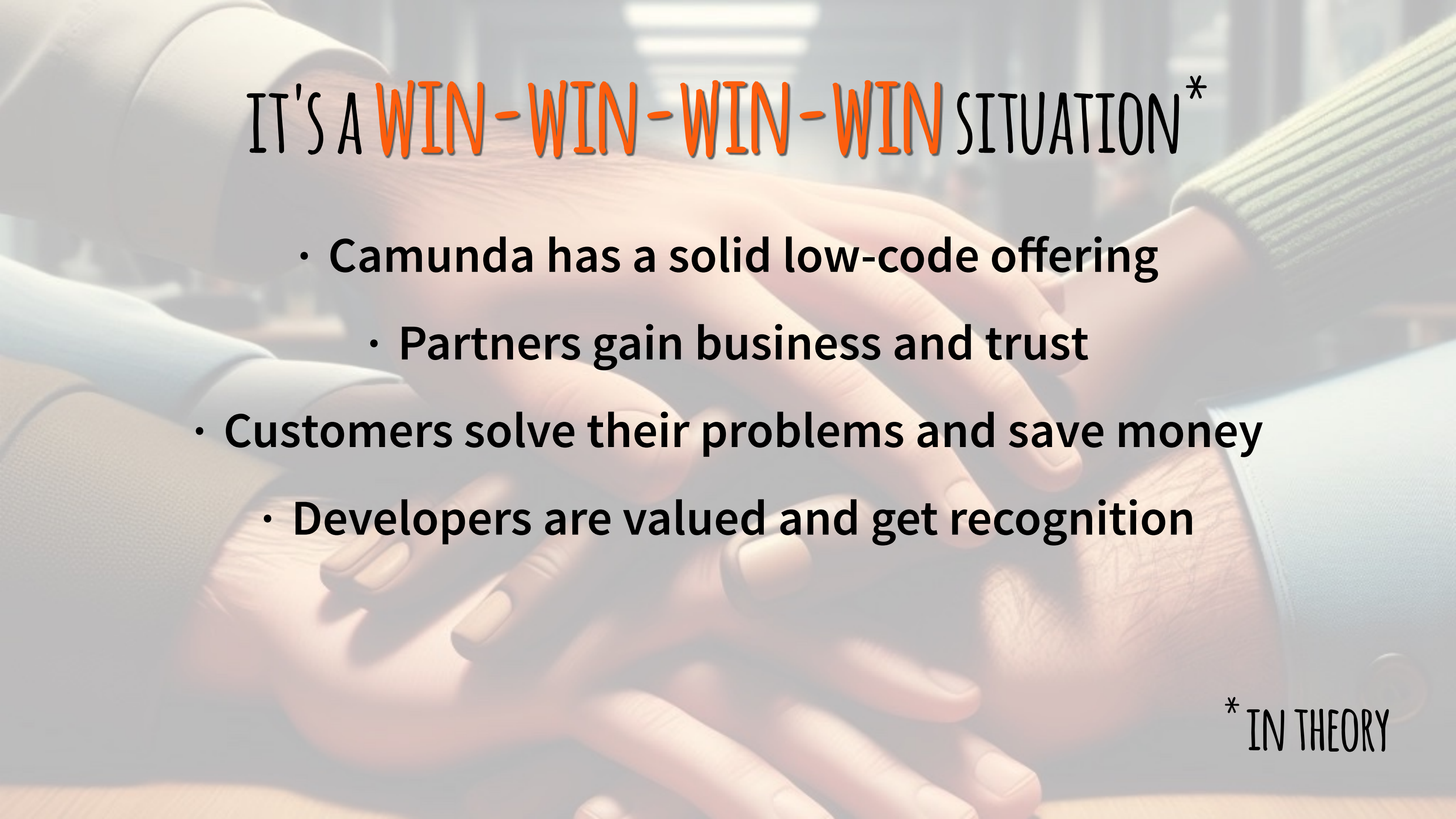
can easily build low-code software, and give feedback to Camunda and the developers.





THE COMMUNITY

drives the open-source spirit
of Camunda by providing their
own connectors and
contribute to the platform.

A background image showing several hands of different skin tones stacked together in a supportive gesture, symbolizing teamwork and collaboration. The hands are positioned in a way that suggests they are building something up together.

IT'S A **WIN-WIN-WIN-WIN** SITUATION*

- Camunda has a solid low-code offering
 - Partners gain business and trust
- Customers solve their problems and save money
- Developers are valued and get recognition

* IN THEORY

CAMUNDA **MARKETPLACE**

- introduced in late 2023
- many use-cases supported
- currently 82 connectors
 - ~50% from partners





CUSTOMER CONCERNS

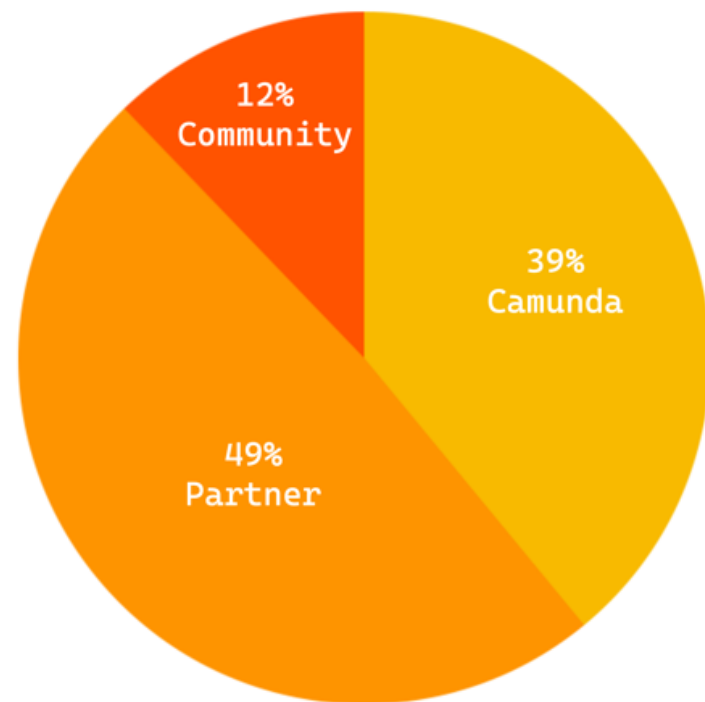
- missing compatibility
 - security issues
 - vulnerabilities
 - missing SLAs
- no cost transparency

PARTNER CONNECTOR **BASICS**

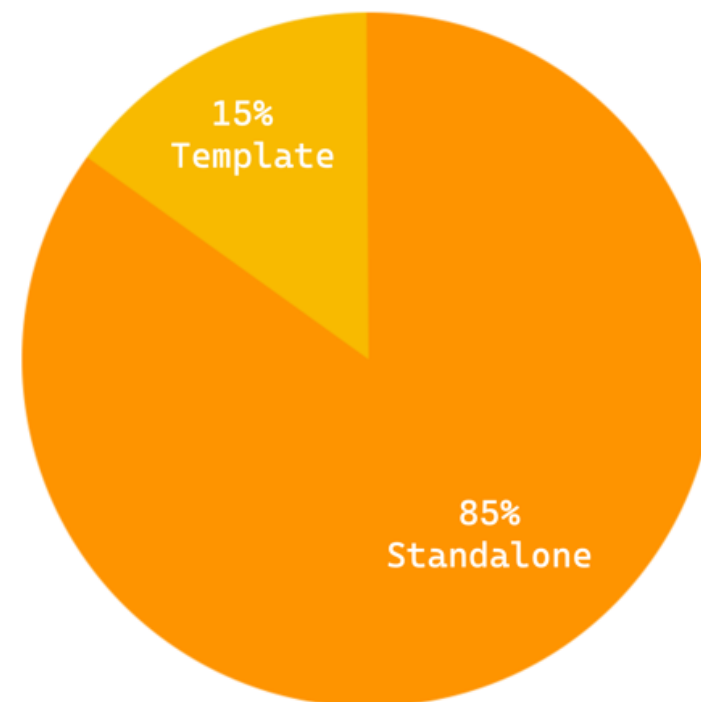
- all are open-source
- all have at least 1 README
- almost all have unit tests

COMPATIBILITY OF PARTNER CONNECTORS

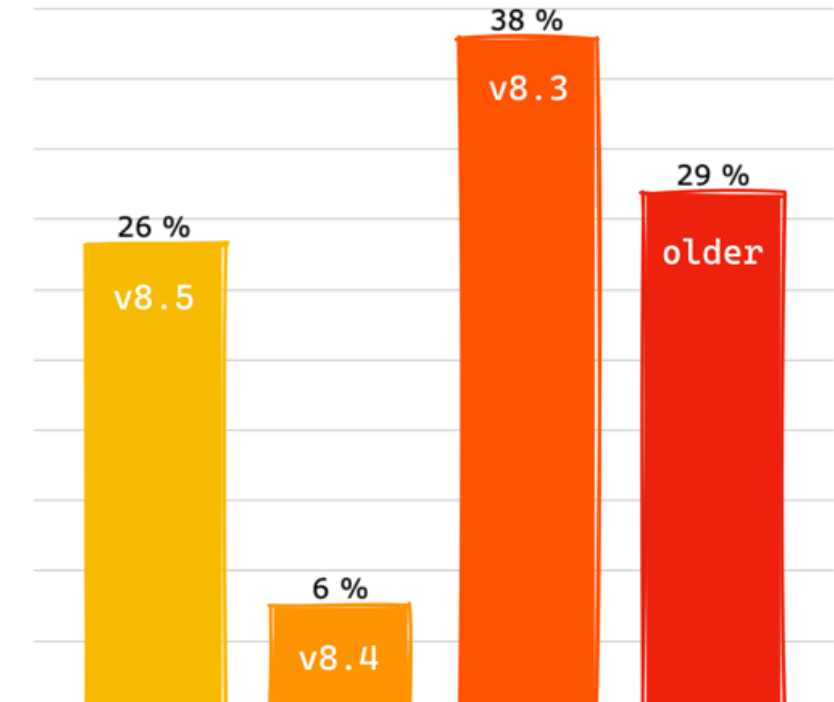
Marketplace Statistics



Connector Developers



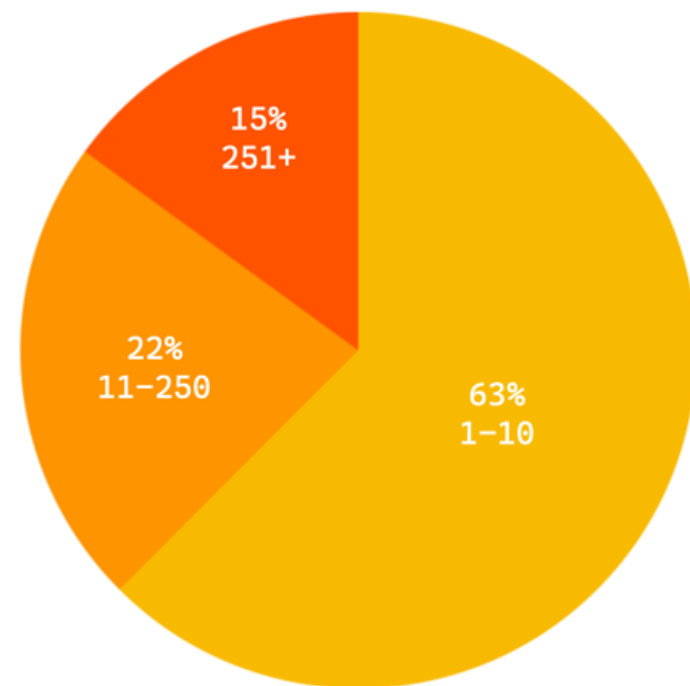
Partner Connector Types



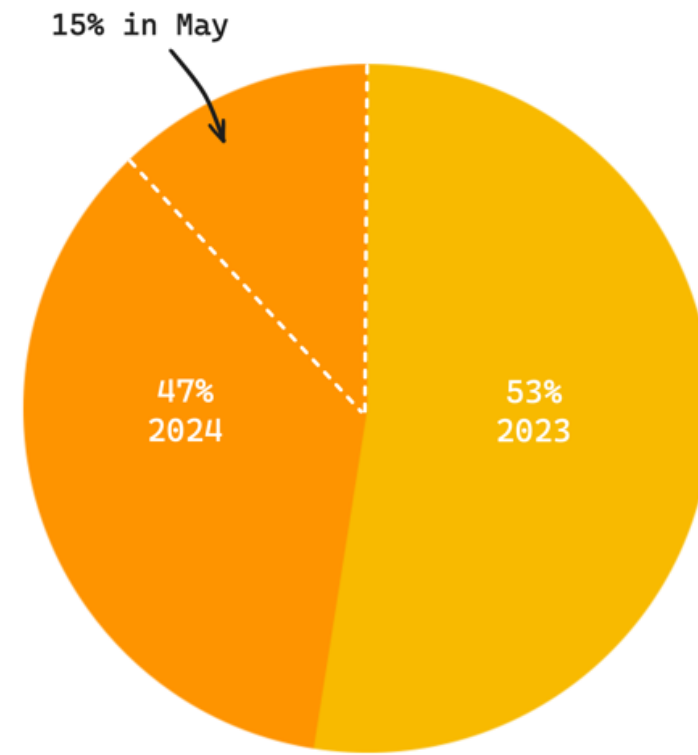
Standalone Partner Connector Compatibility

UPDATES OF PARTNER CONNECTORS

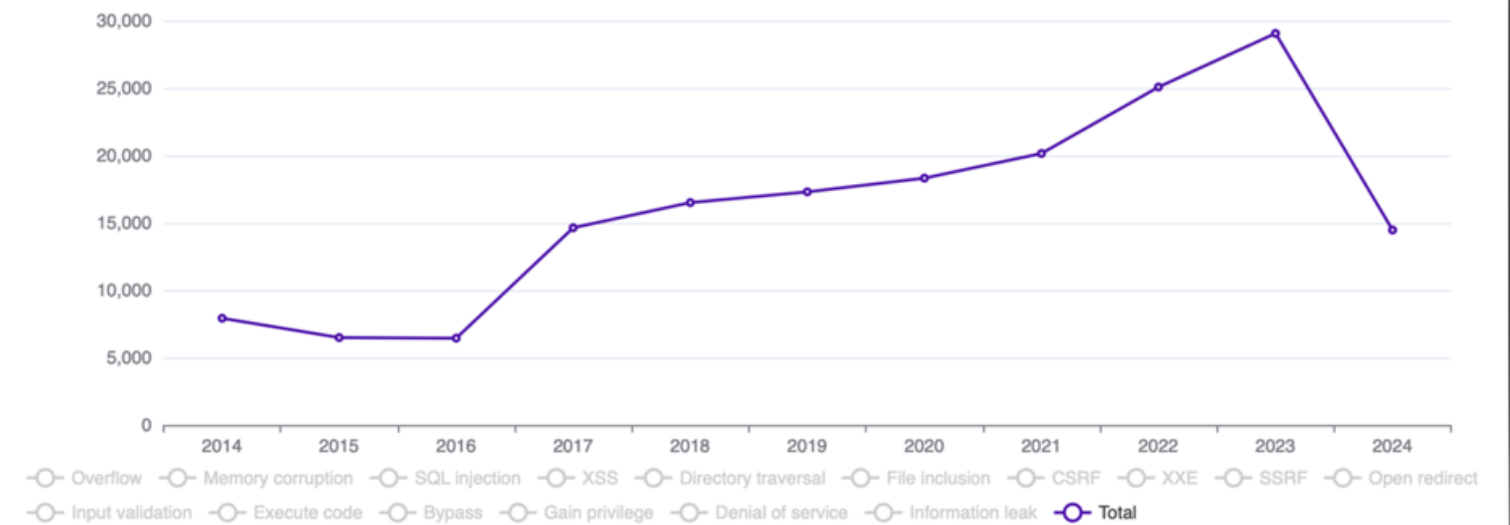
Marketplace Statistics



Commits



Last Changes



CVE Security Vulnerabilities per Year

OTHER FINDINGS

- old dependencies
 - no contact info
- no pipelines or automation
 - no process examples
- missing or misleading docs

THE **PERFECT** CONNECTOR SHOULD BE

- well coded + tested
- maintainable
- flexible
- up-to-date
- (eventually) bug free
- save to use
- doing ONE thing
- (and doing it well)
- well documented
- examples
- screenshots
- contact info
- ...

SO, LOW-CODE CONNECTOR
DEVELOPMENT IS ACTUALLY PRO-
CODE SOFTWARE ENGINEERING?



AND THERE'S EVEN MORE

- a roadmap
- a lifecycle
- release notes
- SLAs
- compatibility
- stability
- marketing
- regular feedback
- cost transparency



THINK OF YOURSELF
MORE AS A **PRODUCT**
MANAGER

BUT WHAT IF I **DON'T** WANT TO?

Well, it is your responsibility to take care of it.



A 3D animated woman with long dark hair, wearing a light-colored blazer and a dark belt, holds a white business card in her right hand. She is standing in a modern office with large windows and other people working in the background. The text "A CONNECTOR IS LIKE A BUSINESS CARD" is overlaid on the image, with "BUSINESS CARD" in orange and the rest in black.

A CONNECTOR IS
LIKE A BUSINESS CARD



THE **AWS S3** CONNECTOR

- handle files in AWS S3
- first draft at 2023 Hackathon
- basic file operations (CRUD)



THE **AWS S3** CONNECTOR

- maintainable code
- unit & integration tests
- different runtime options
 - clear configuration
 - example processes
 - documentation



THE **AWS S3** CONNECTOR

- github actions
- depend-a-bot
- issues & pull requests
- discussions & feedback
- point of contact

CERTIFICATION PROGRAM

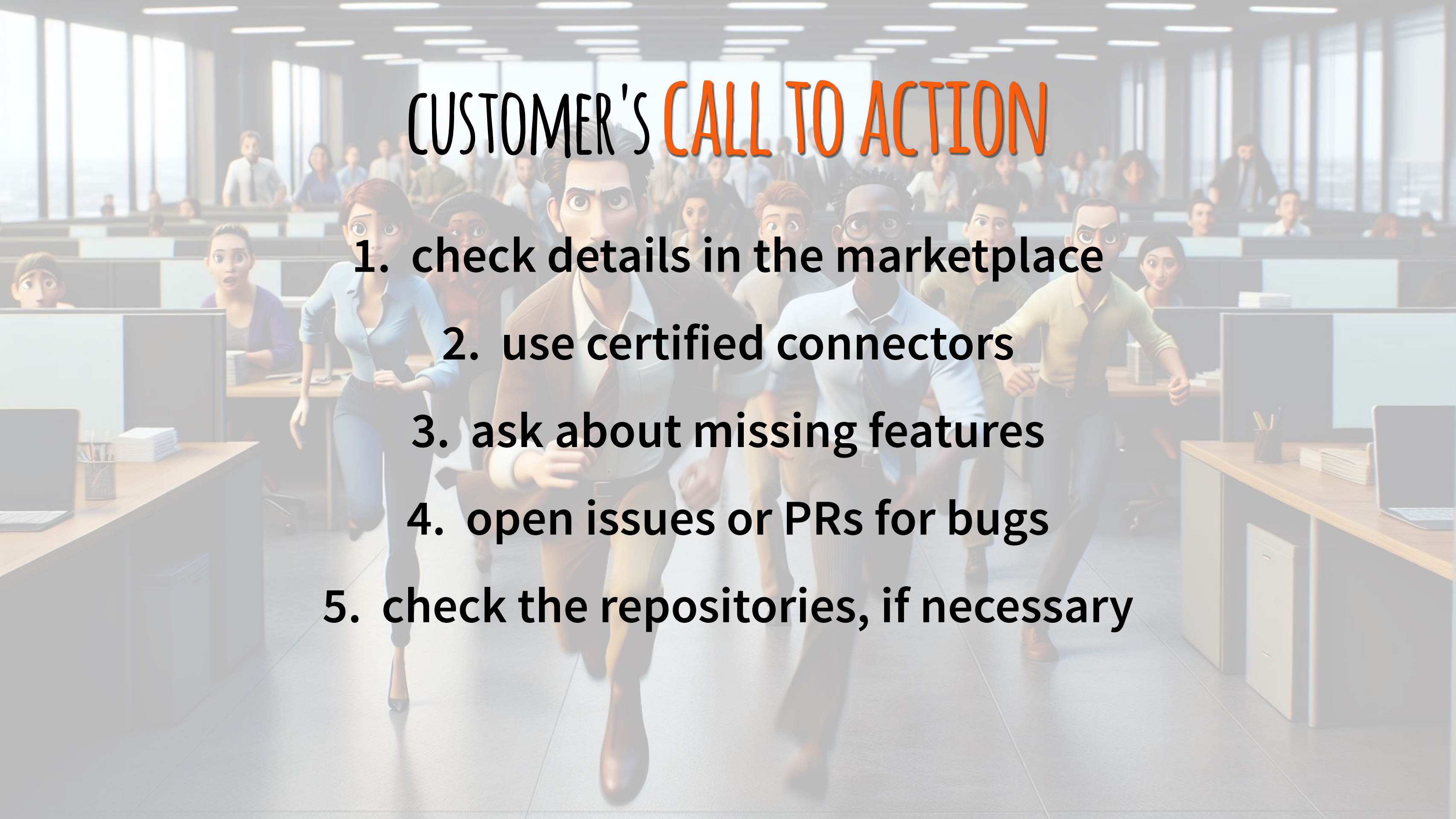
- started in April 2024
- partners only (for now)
 - central repository
- regular security scans
 - SLAs for bugs + vulnerabilities
- refresh every other release





DEV'S **CALL TO ACTION**

- 1. provide maintainable & tested code**
- 2. keep it stable, compatible & up-to-date**
- 3. use available Github tools**
- 4. document it well (inside & outside)**
- 5. get certified**



CUSTOMER'S **CALL TO ACTION**

- 1. check details in the marketplace**
- 2. use certified connectors**
- 3. ask about missing features**
- 4. open issues or PRs for bugs**
- 5. check the repositories, if necessary**

SO **EVERYBODY** IS HAPPY!



THANK YOU

