

7 Rules for Crafting Developer-Friendly API Libraries



engineered
for ambition

Agenda



Intro



Adyen Libraries



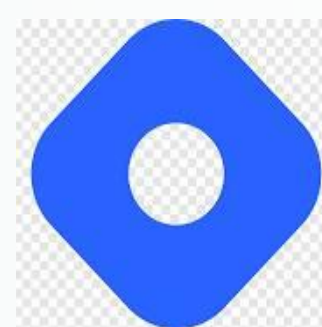
7 Golden Rules

Me



adyen

Developer Relations



@beppecatanese



gcatanese



Adyen



Financial technology

Large merchants
and marketplaces

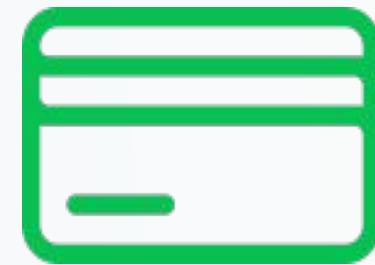
4 technical hubs

API Libraries: what and why

Meet your devs



Abstraction



Productivity



Adyen Libraries

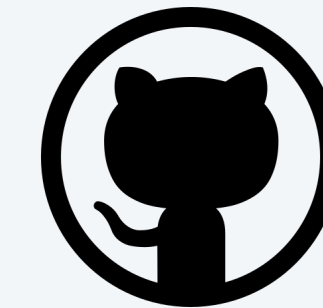
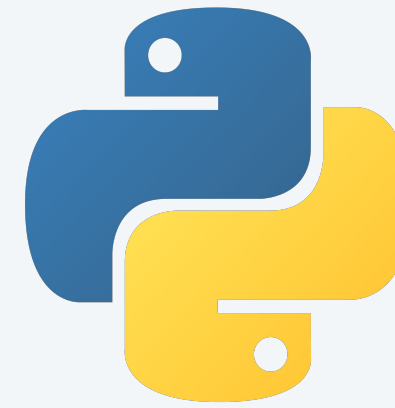
Online payments

In-person payments

Financial Services

Management API

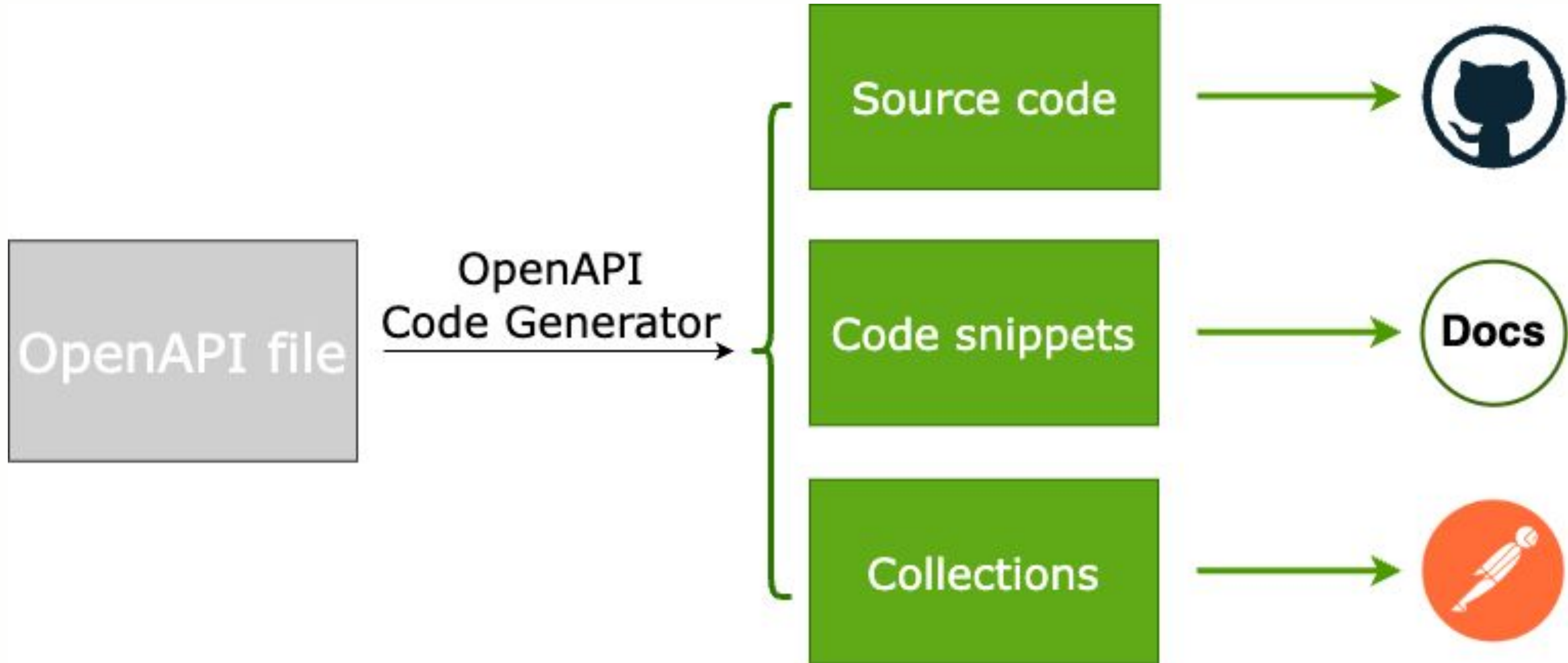
Webhooks



github.com/adyen



OpenAPI pipeline



7 Golden Rules

OpenAPI driven

Idiomatic

Release Notes

Code snippets

Reference
implementation

Deprecation strategy

Great documentation



<https://beppecatanese.hashnode.dev/api-libraries-7-golden-rules>

OpenAPI driven

From schema to code

✨ Automation ✨

✨ Speed ✨

✨ Consistency ✨

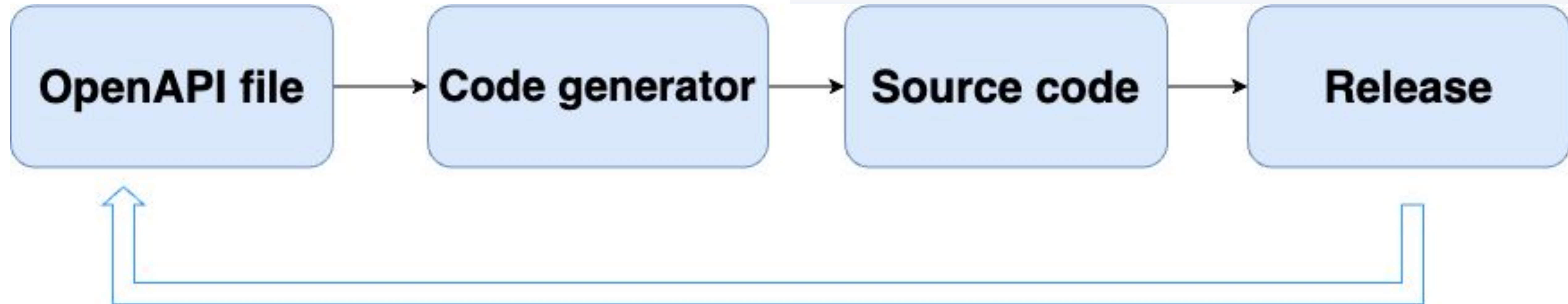
Source code templates

Code duplication

Drop and (re)generate

Living downstream

OpenAPI driven lifecycle



Design, code, ship, repeat

Idiomatic

Naming conventions

Error handling

Data types

Language features

Multiple languages

Invisible errors

Dependencies &
frameworks

Release Notes

 Release notes

 Breaking changes

Effort

OpenAPI Diff tools

Code snippets

Multiple languages

Compiles and runs

Complete and readable

Ready to go

Unit testing

OpenAPI examples

Reference implementation

github.com/adyen-examples

Multiple languages

Various use cases

Webhooks

Gitpod and Codespaces

Upgrade path

Deprecation markers

Deprecation policy

OpenAPI driven

Annotations

Enriching with `-x`
extensions

Great documentation

Comprehensive guide

Examples, snippets

Best practises

Additional resources

GitHub or documentation

Final thoughts

Best rules

Automation with value

Measuring

Thank you!

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