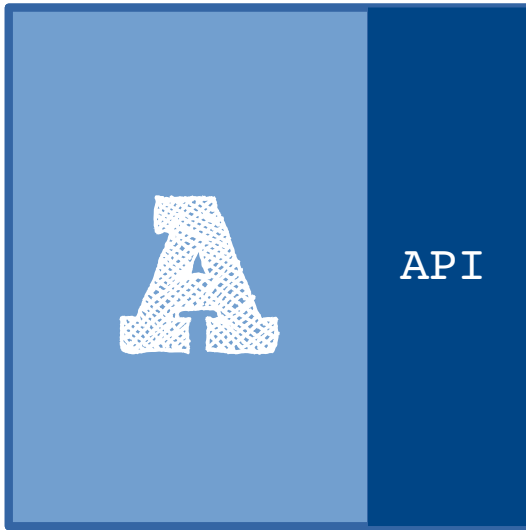


Wenn

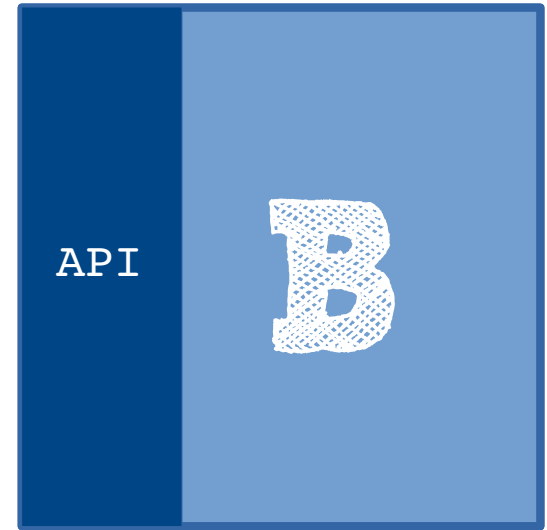
SCHNITTSTELLEN

alt werden...

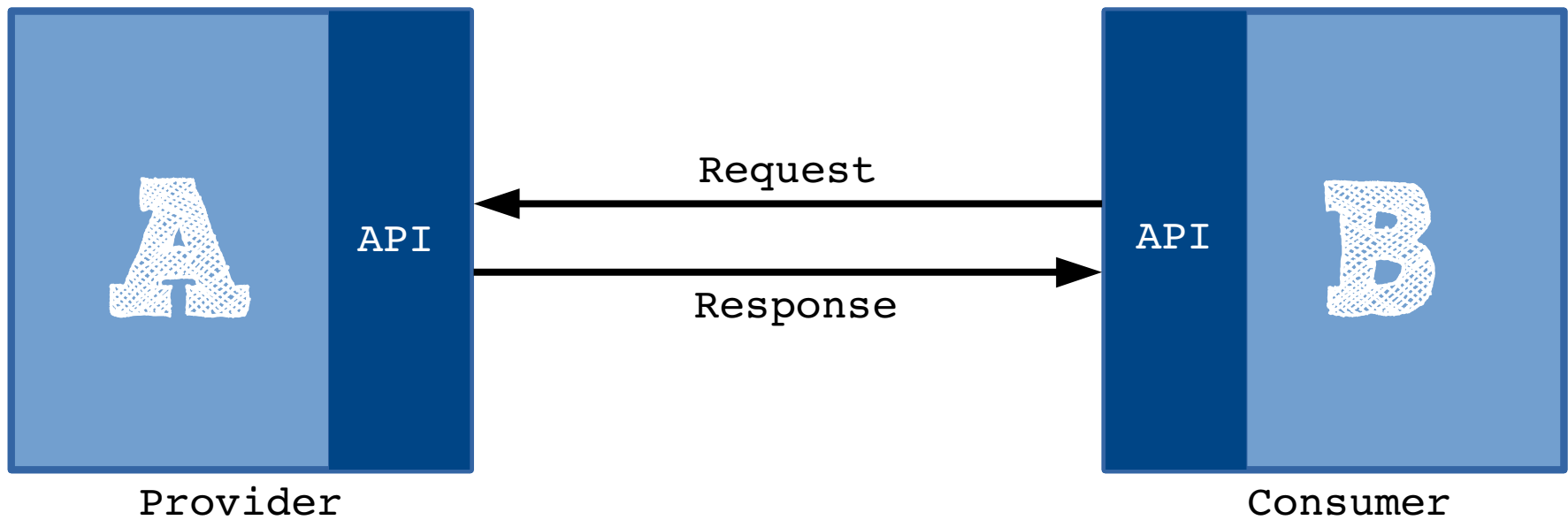


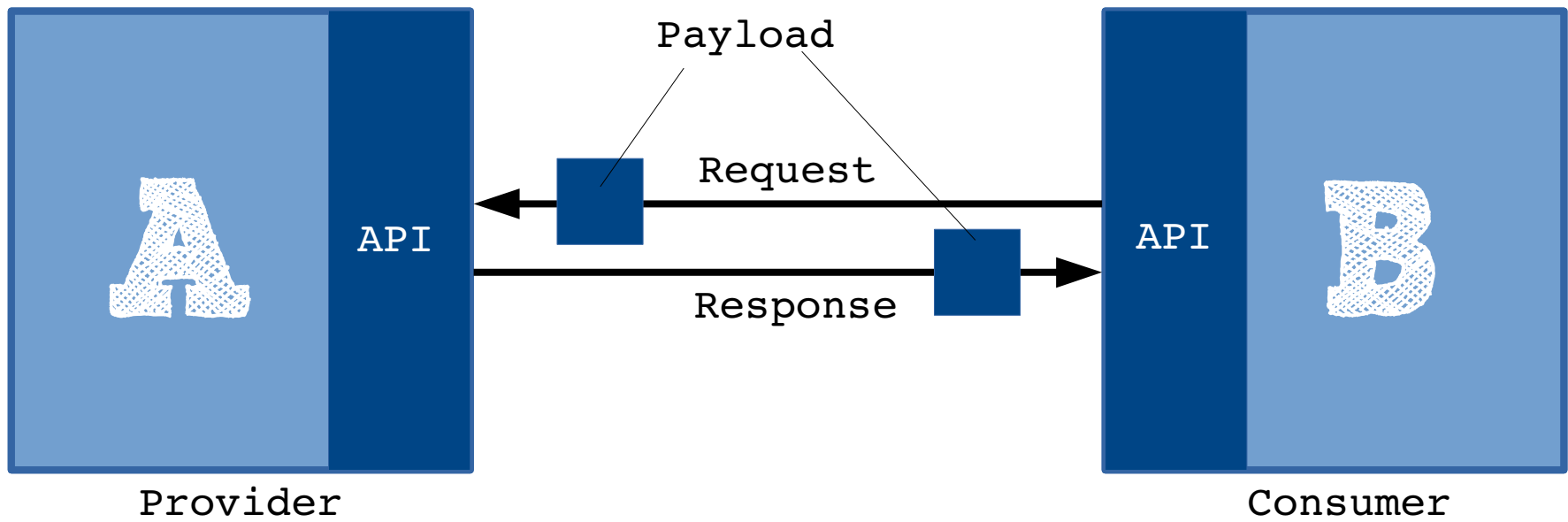


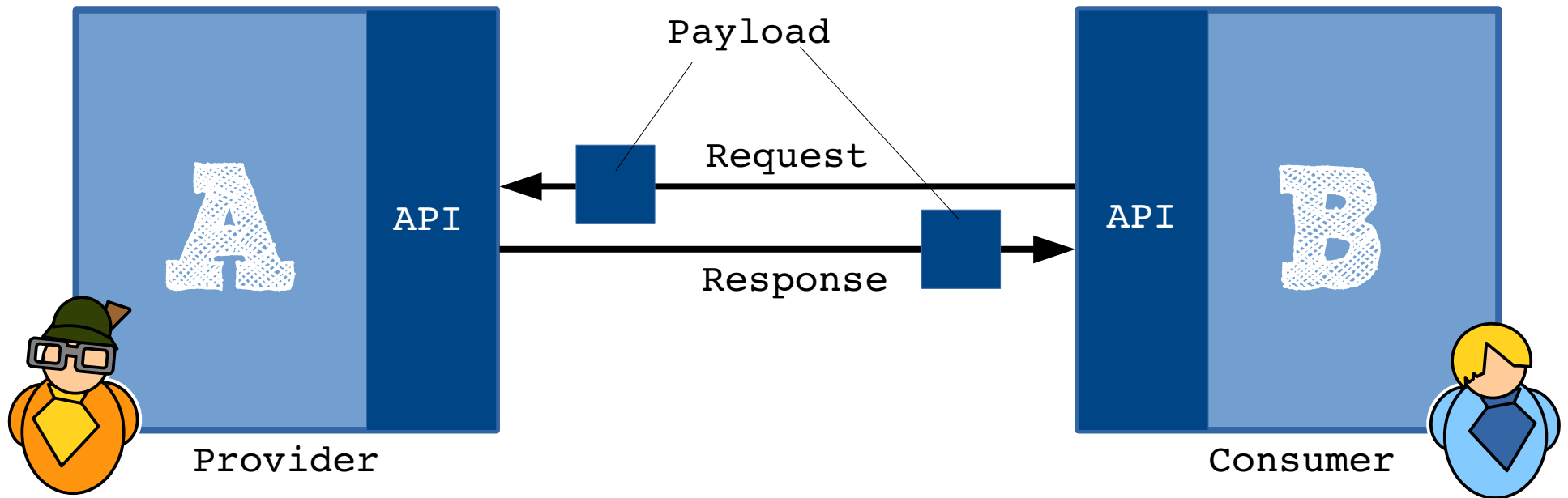
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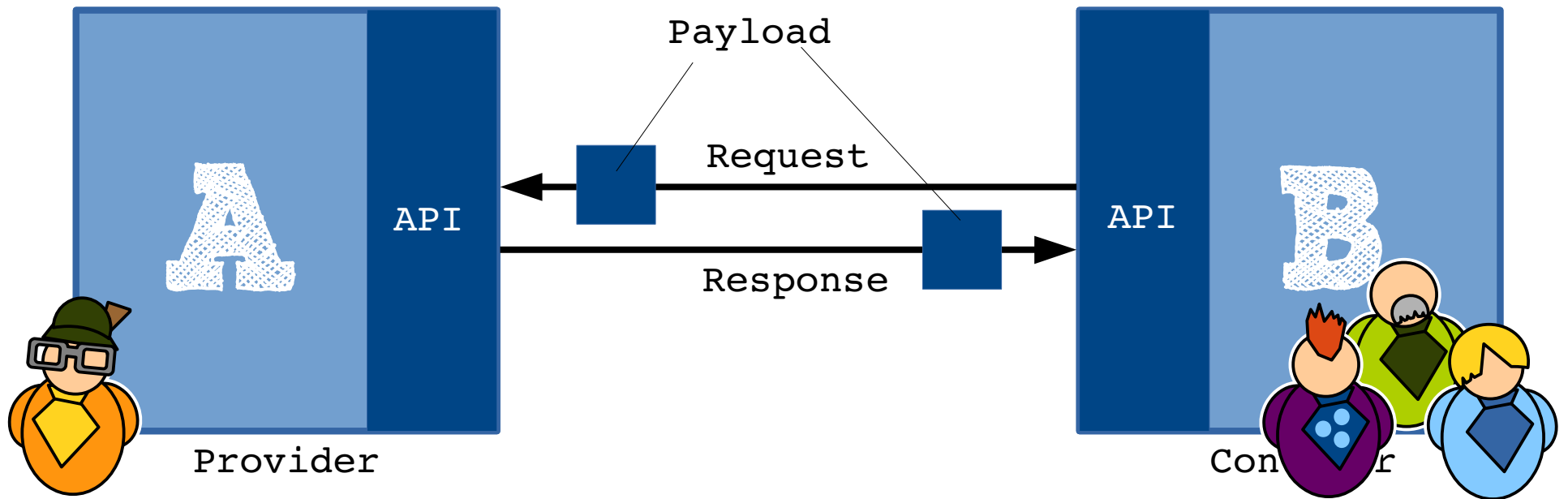


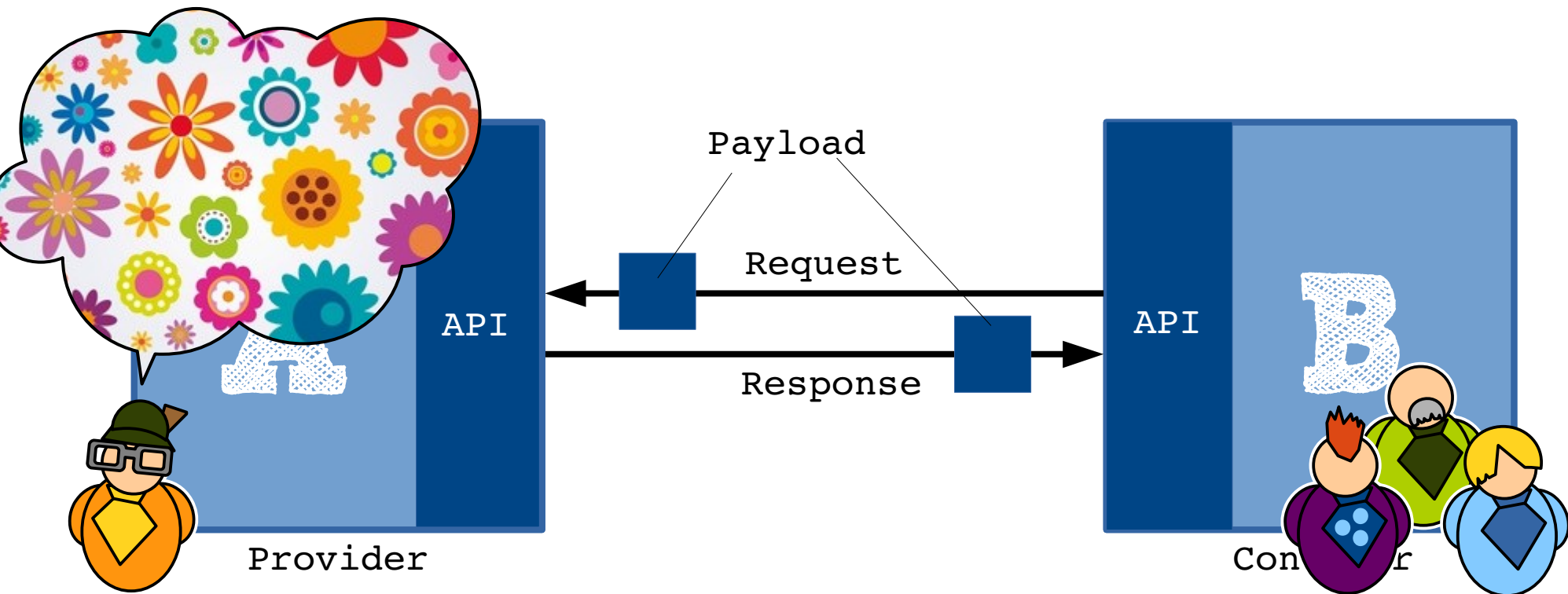
Consumer

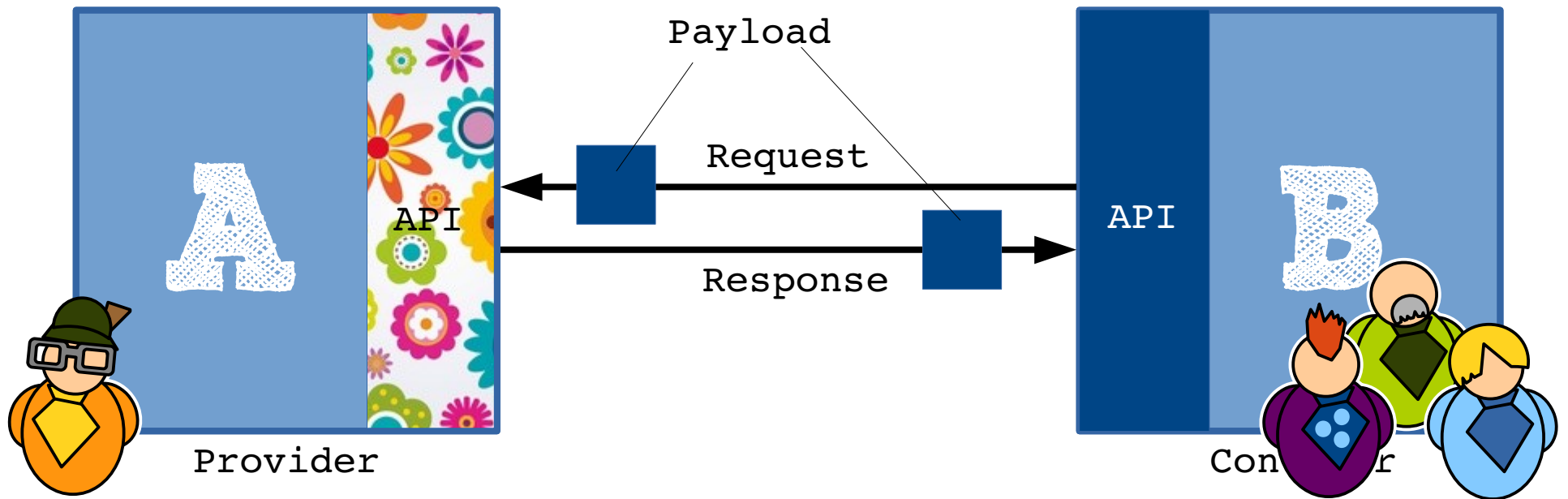


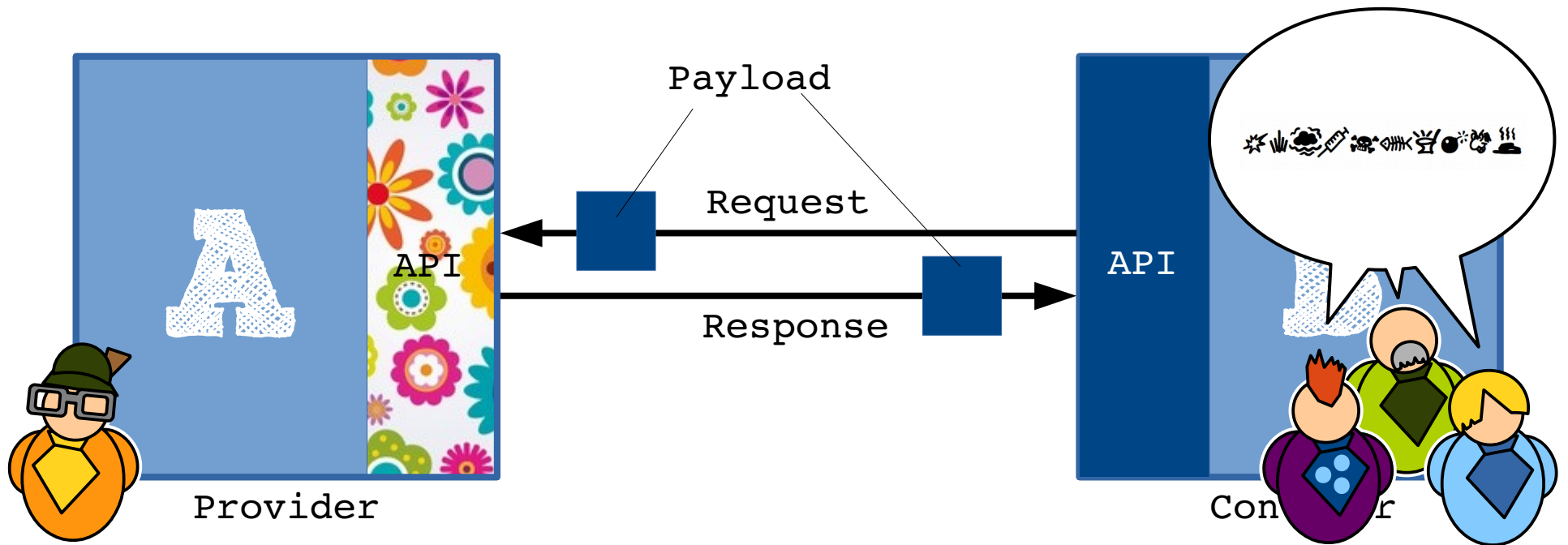


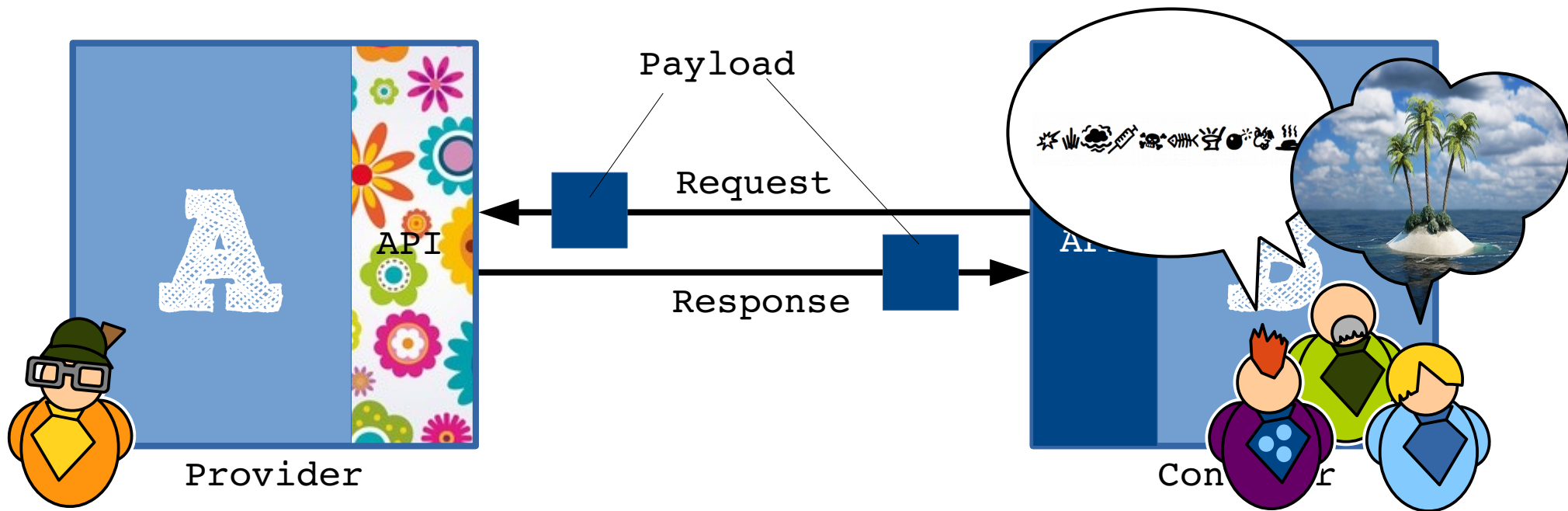


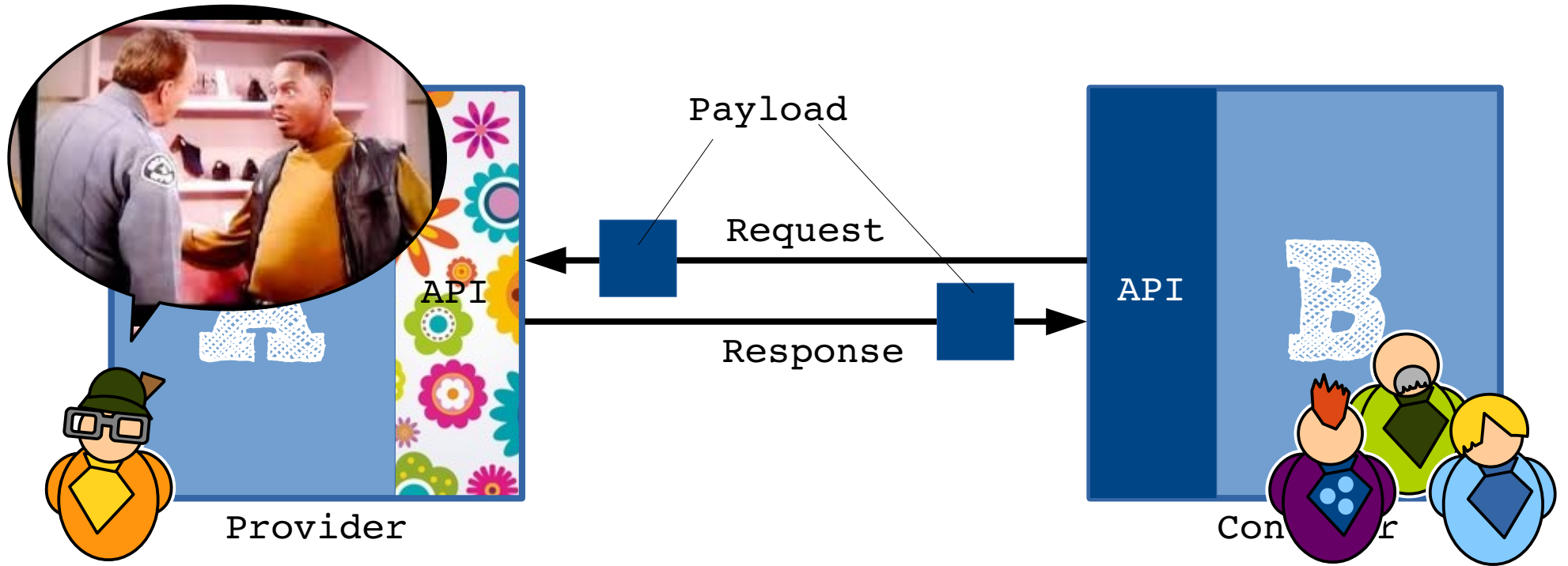


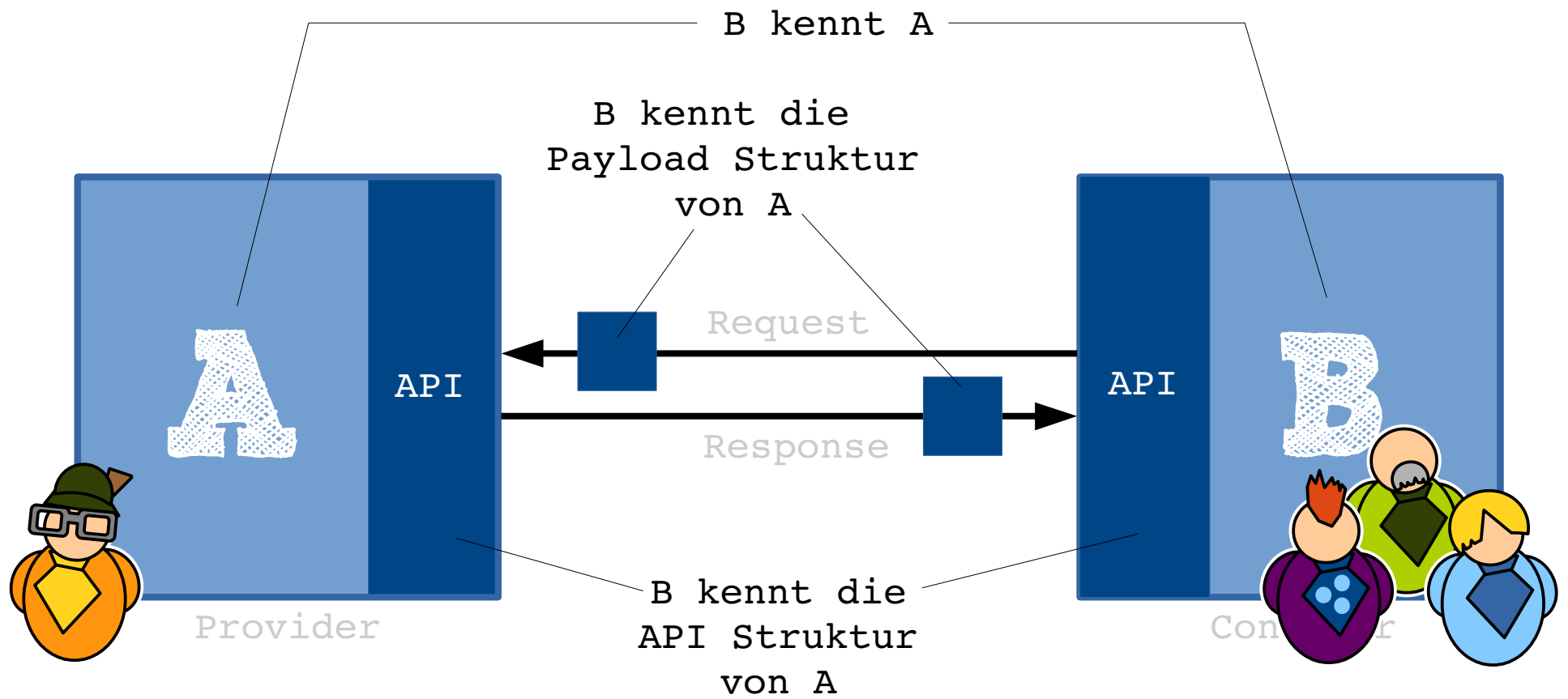






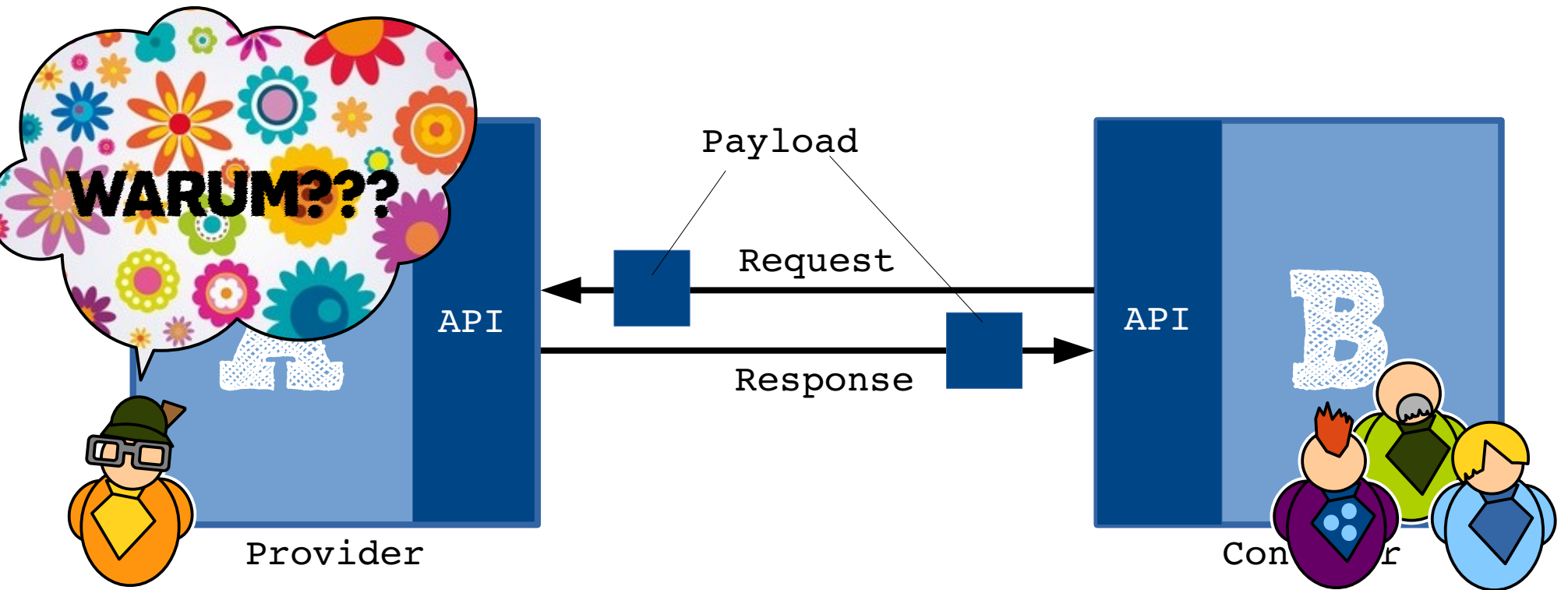


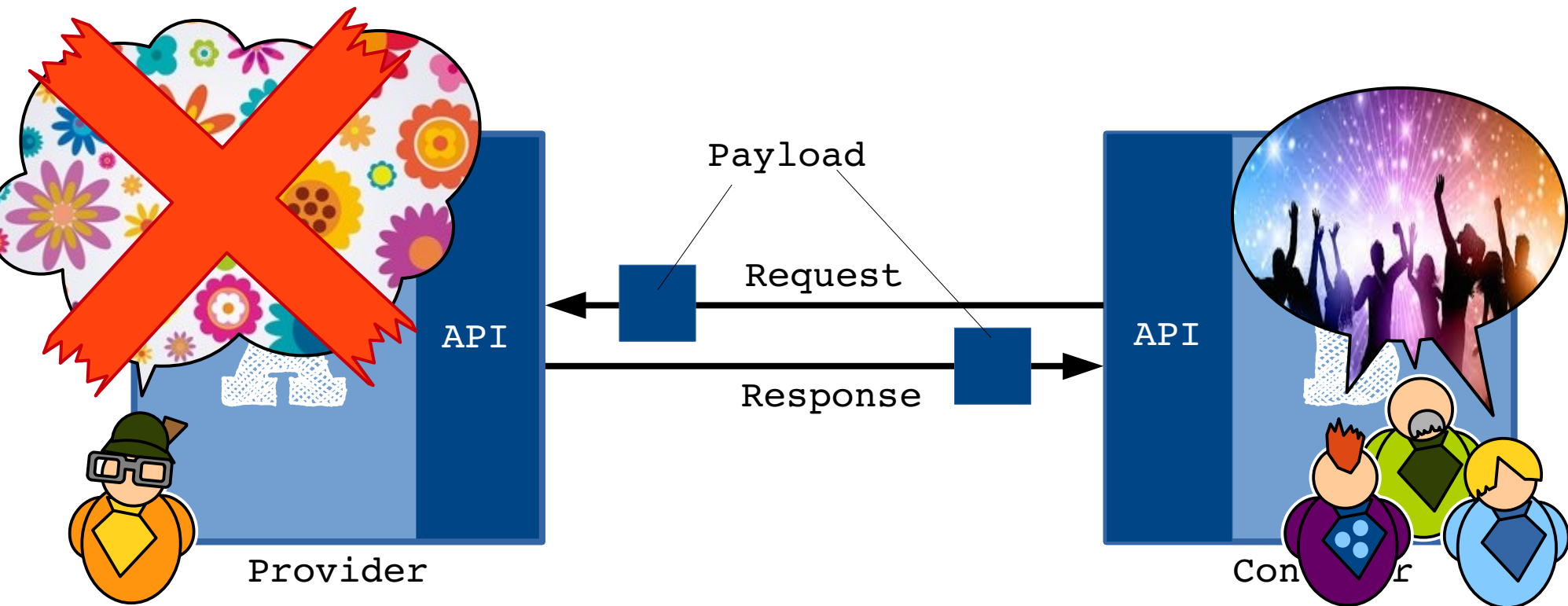




System **B** muss ziemlich viel von System

A kennen, damit die Kommunikation funktioniert!





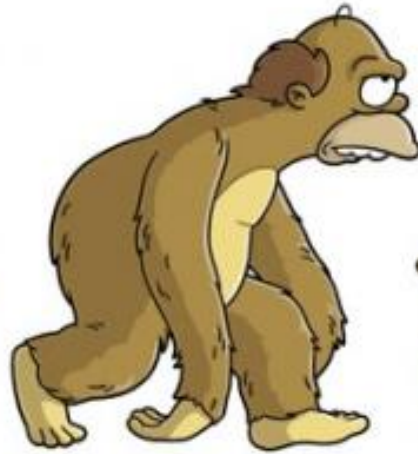
EVOLUTION



MONKIUS EATALOTIS



CHIMPUS IMBECILUS



APEIS STUPIDIUS



NEANDERSLOB

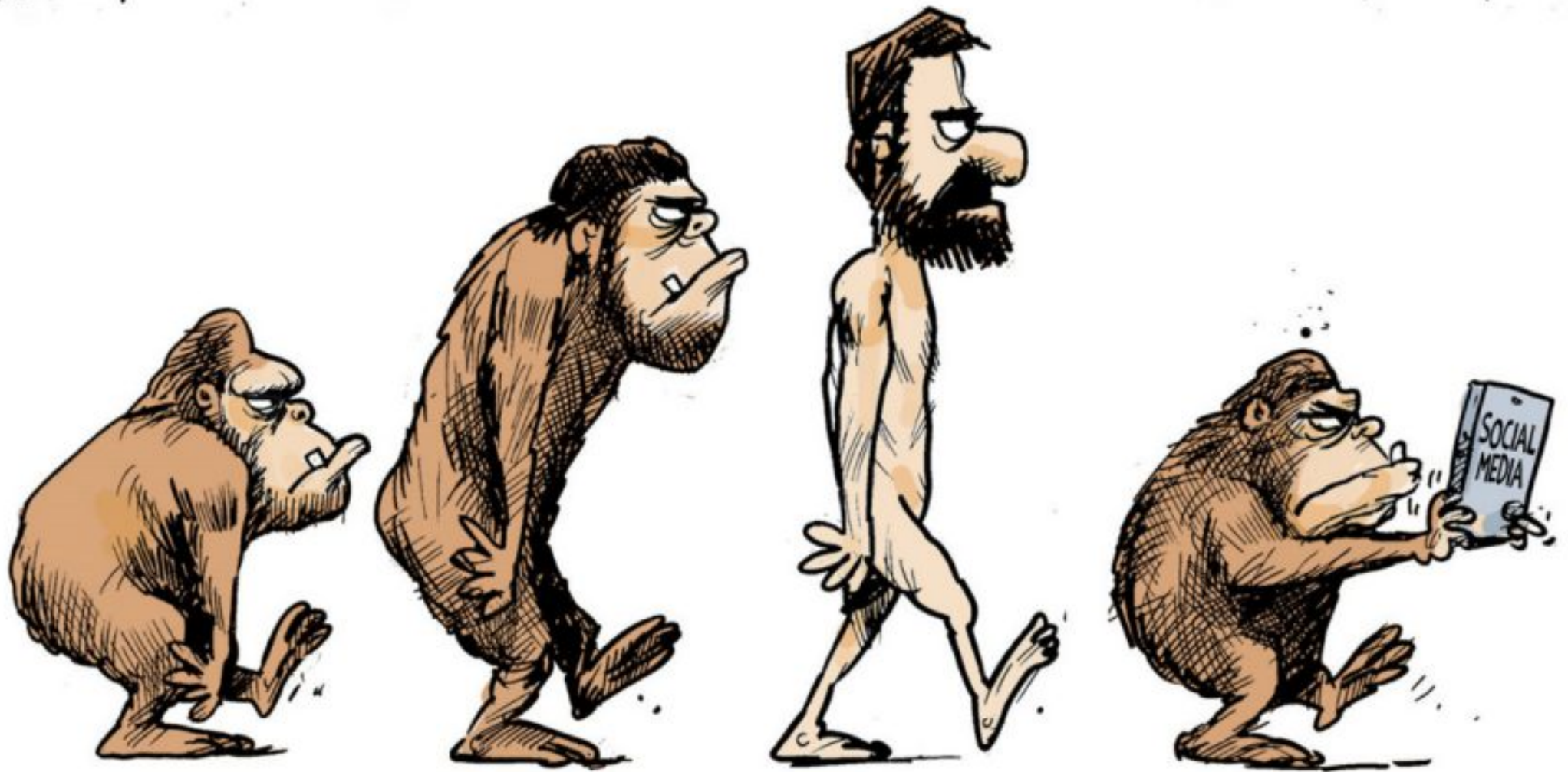


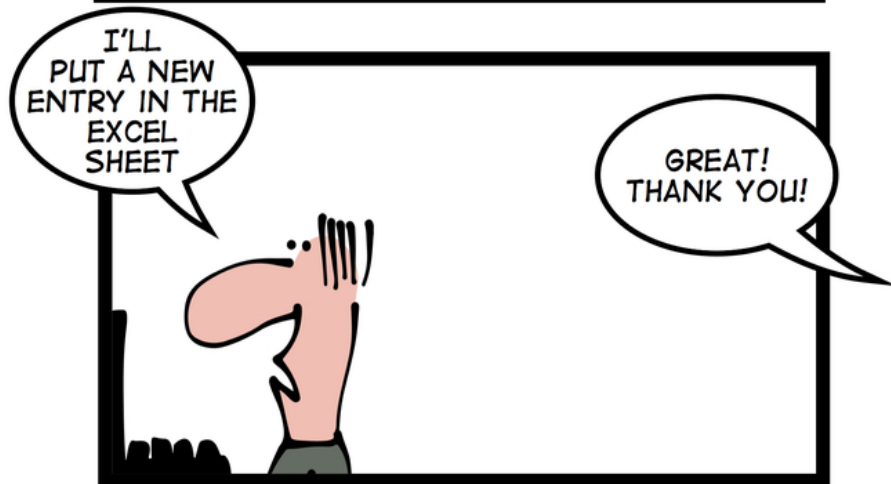
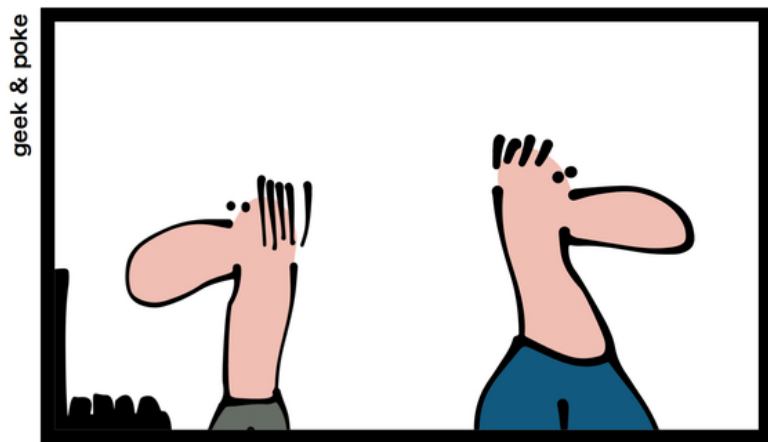
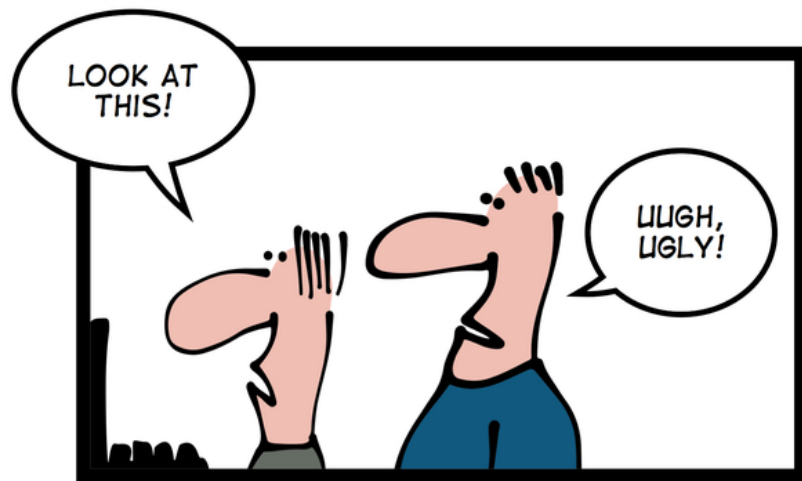
HOMERSAPIEN

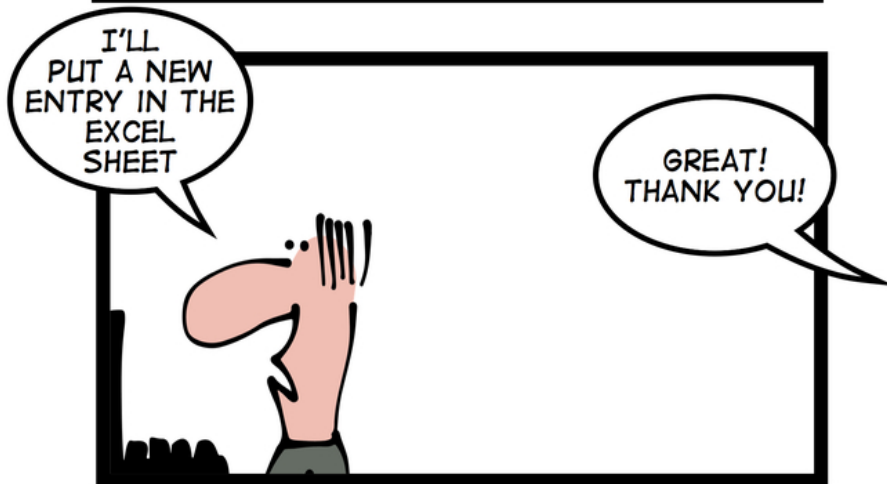
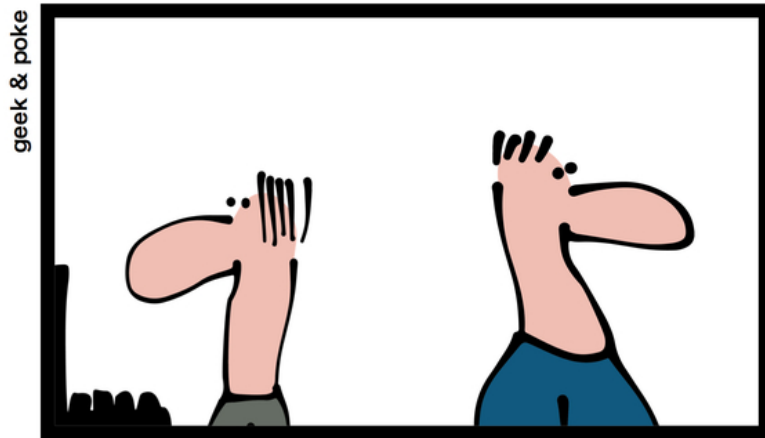
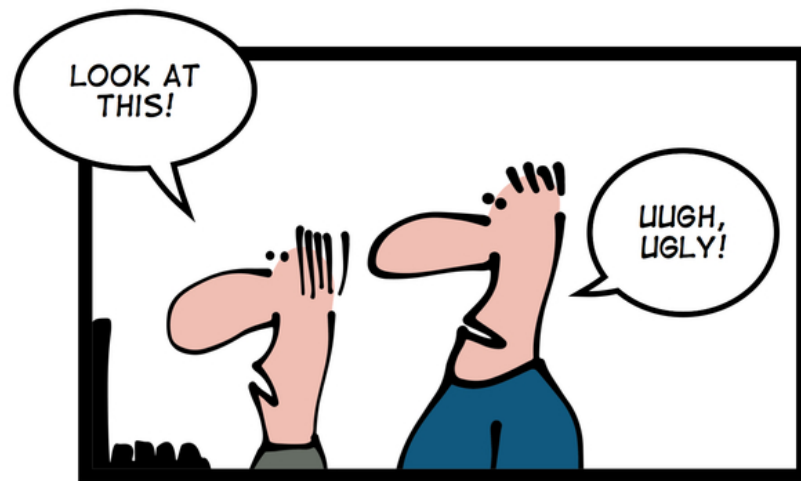
HOMERSAPIEN

EVOLUTION 2.0

GREG
PERRY

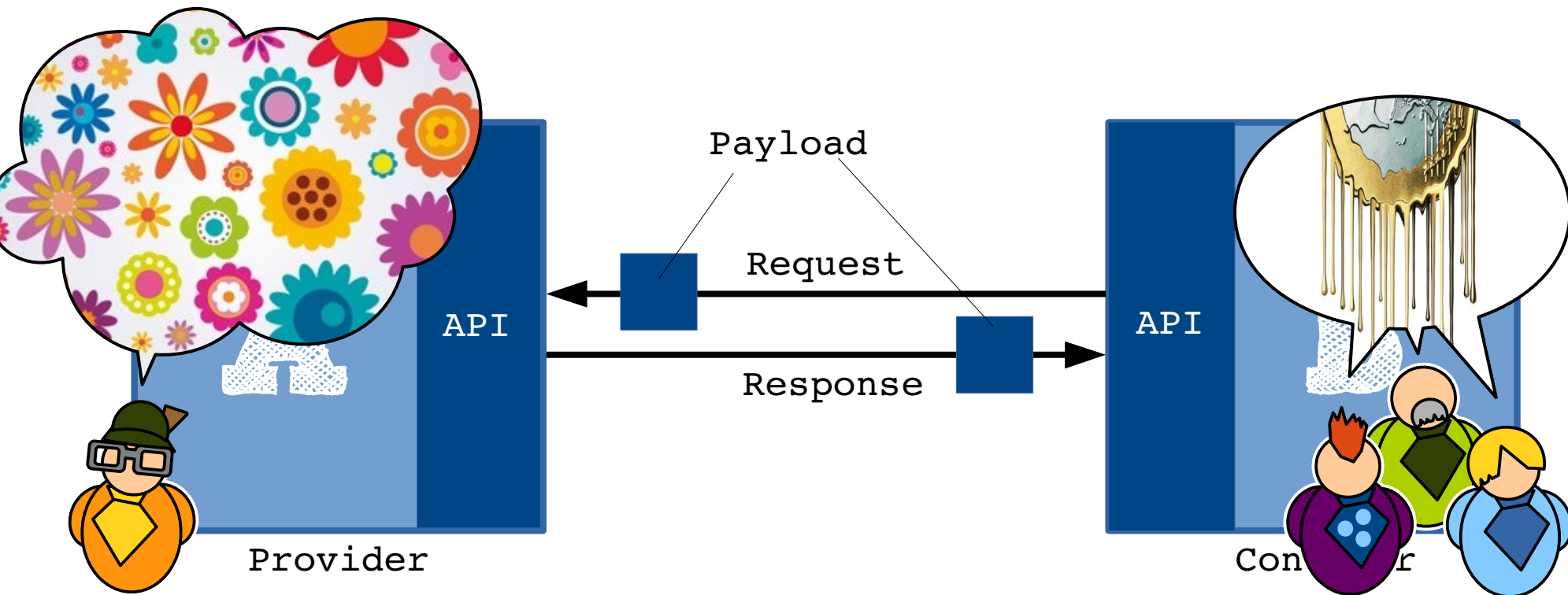


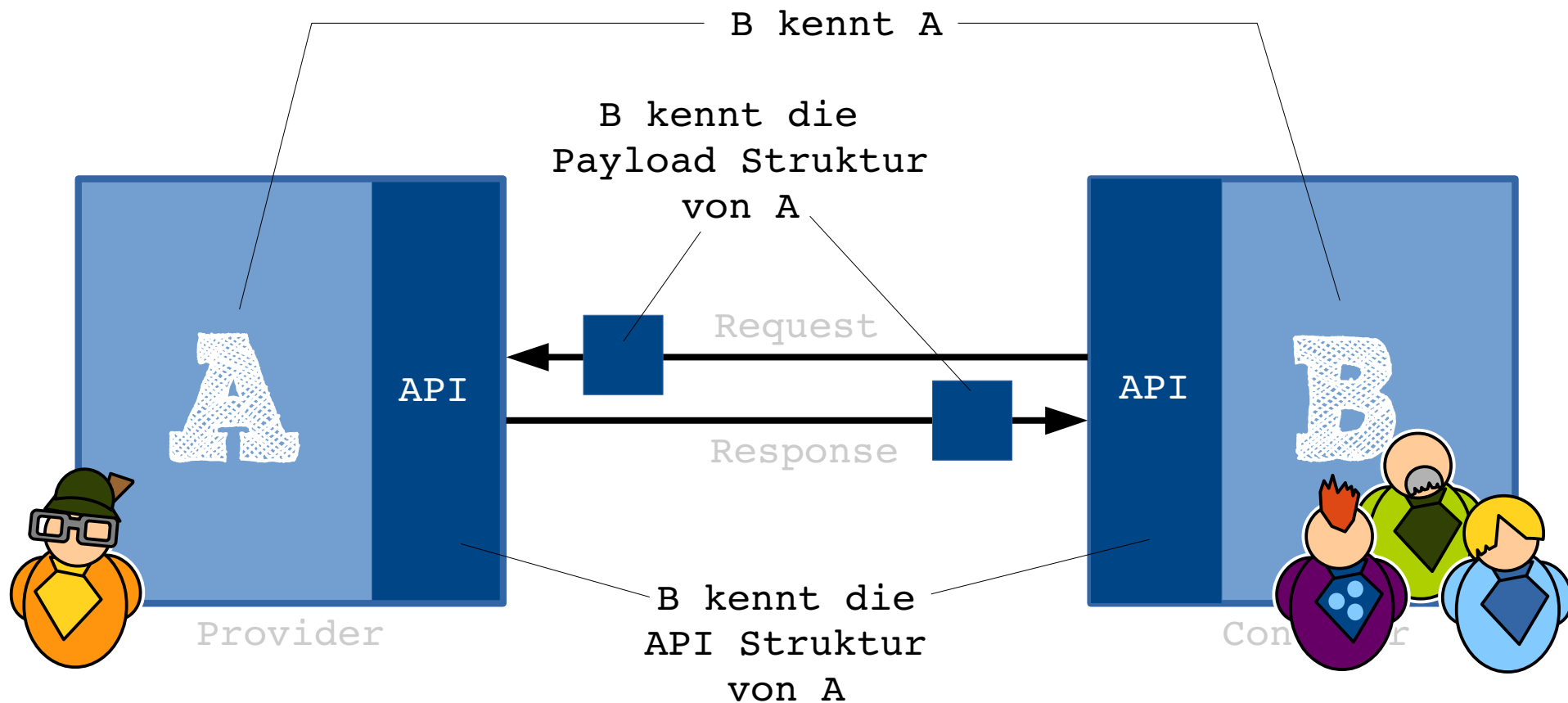


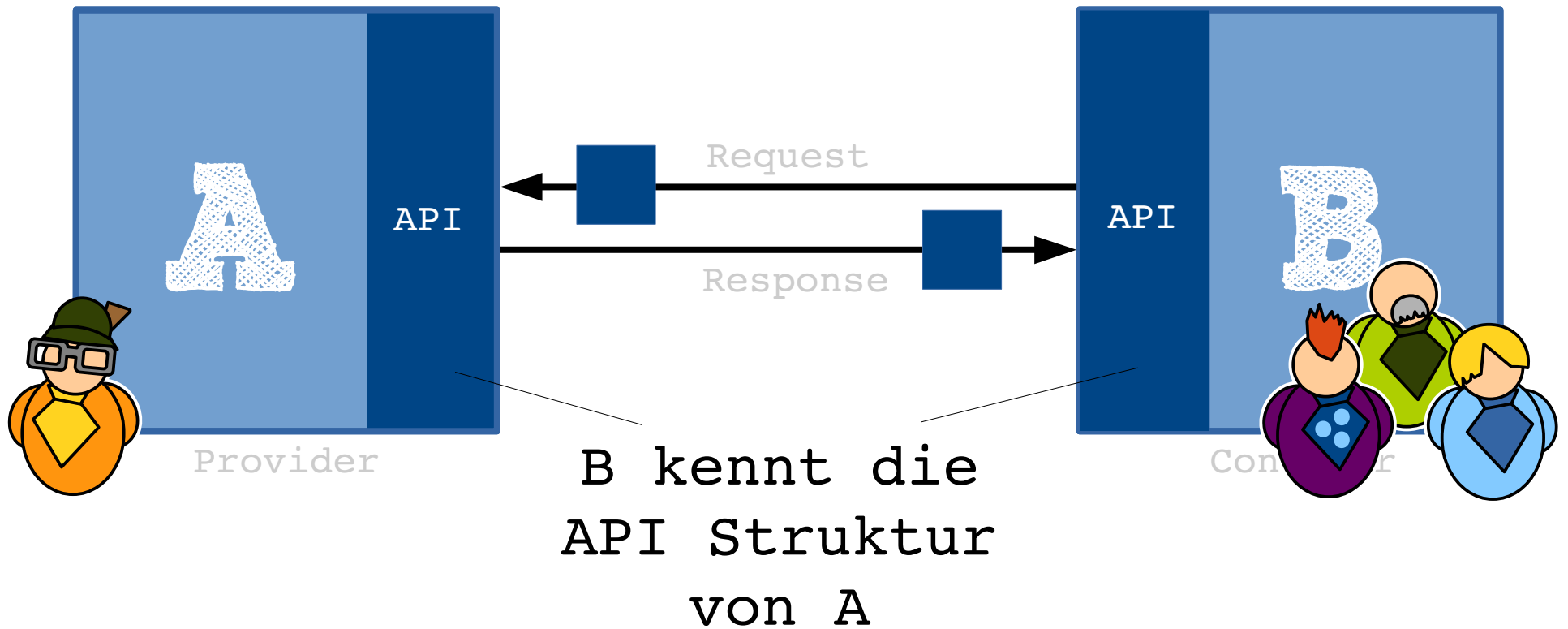


technicalDebts.xls

TECHNICAL DEPT







RESTBUCKS, THE SAMPLE



<http://codebetter.com/glennblock/2011/06/06/rest-in-practice-the-book-restbucks-the-sample>

<https://github.com/olivergierke/spring-restbucks>

<https://speakerdeck.com/olivergierke>

<http://olivergierke.de/2016/04/benefits-of-hypermedia/>



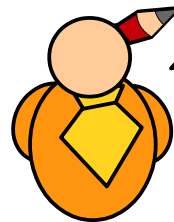
[**https://RESTBUCKS.IO/V1/CREATE_ORDER**](https://RESTBUCKS.IO/V1/CREATE_ORDER)



[**https://RESTBUCKS.IO/V2/CREATE_ORDER**](https://RESTBUCKS.IO/V2/CREATE_ORDER)



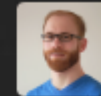
<https://RESTBUCKS.IO/V2/ORDER/{ID}>



POST = create order
PATCH = update order
DELETE = delete order
GET = read order

Speaker Deck

Published on Apr 19, 2016



Oliver Gierke
70 Presentations

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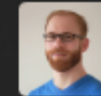
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Method	URI	Action	Step
POST	/orders	Create new order	1
POST/PATCH	/orders/{id}	Update the order <small>(only if "payment expected")</small>	2
DELETE	/orders/{id}	Cancel order <small>(only if "payment expected")</small>	3
PUT	/orders/{id}/payment	Pay order <small>(only if "payment expected")</small>	4
Barista preparing the order			
GET	/orders/{id}	Poll order state	5
GET	/orders/{id}/receipt	Access receipt	
DELETE	/orders/{id}/receipt	Conclude the order process	6



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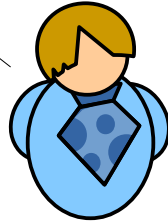
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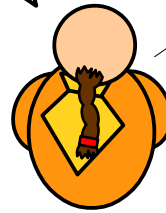
Kunde



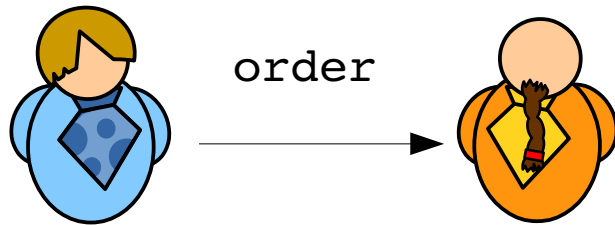
Hi

Hello

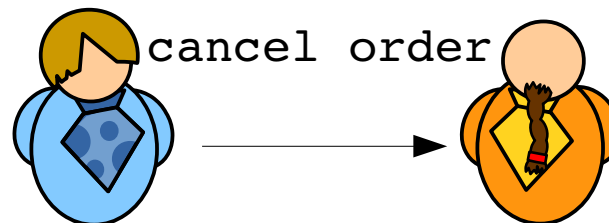
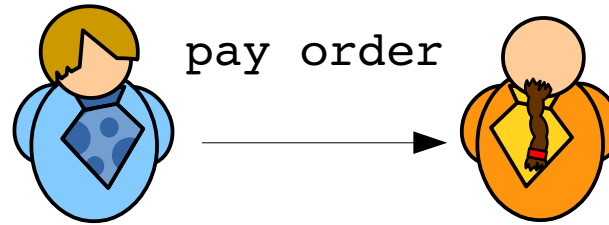
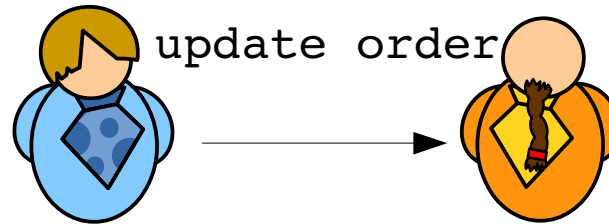
Barista



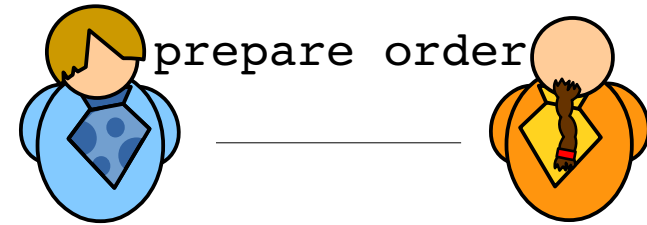
SCHRITT 1



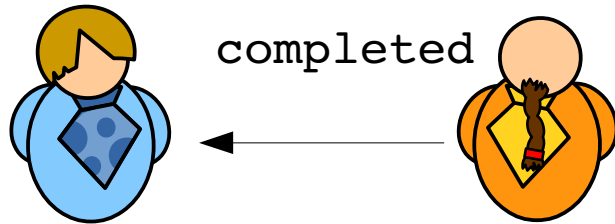
SCHRITT 2



SCHRITT 3



SCHRITT 4



SCHRITT 5



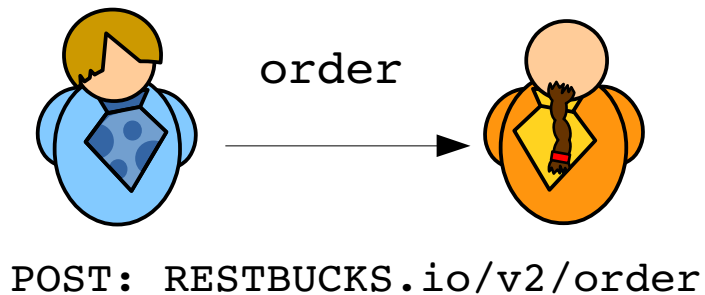
HATEOAS

Hypermedia
As
The
Engine
Of
Application
State

SCHRITT 1

Request

Response



self

GET: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

update_order

POST/PATCH: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

cancel_order

DELETE: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

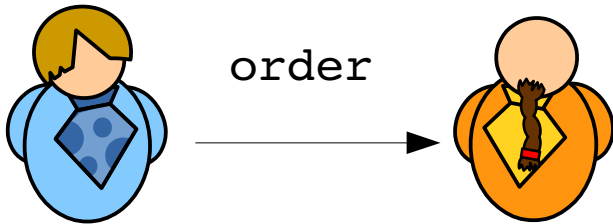
pay_order

PUT: RESTBUCKS.io/v2/order/1/payment
RESTBUCKS.io/v2/order/{id}/payment

SCHRITT 1

Request

Response



POST: RESTBUCKS.io/v2/order

self

GET: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

update_order

POST/PATCH: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

cancel_order

DELETE: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

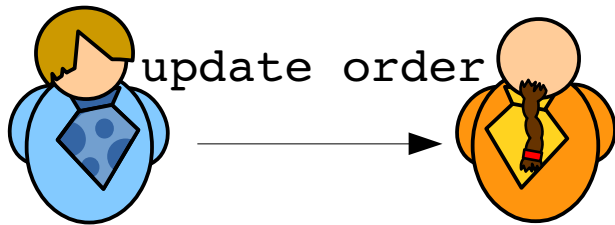
pay_order

PUT: RESTBUCKS.io/v2/order/1/payment
RESTBUCKS.io/v2/order/{id}/payment

SCHRITT 2

Request

Response

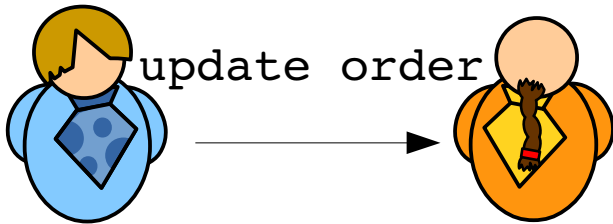


PATCH: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

SCHRITT 2

Request

Response



PATCH: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

self

GET: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

update_order

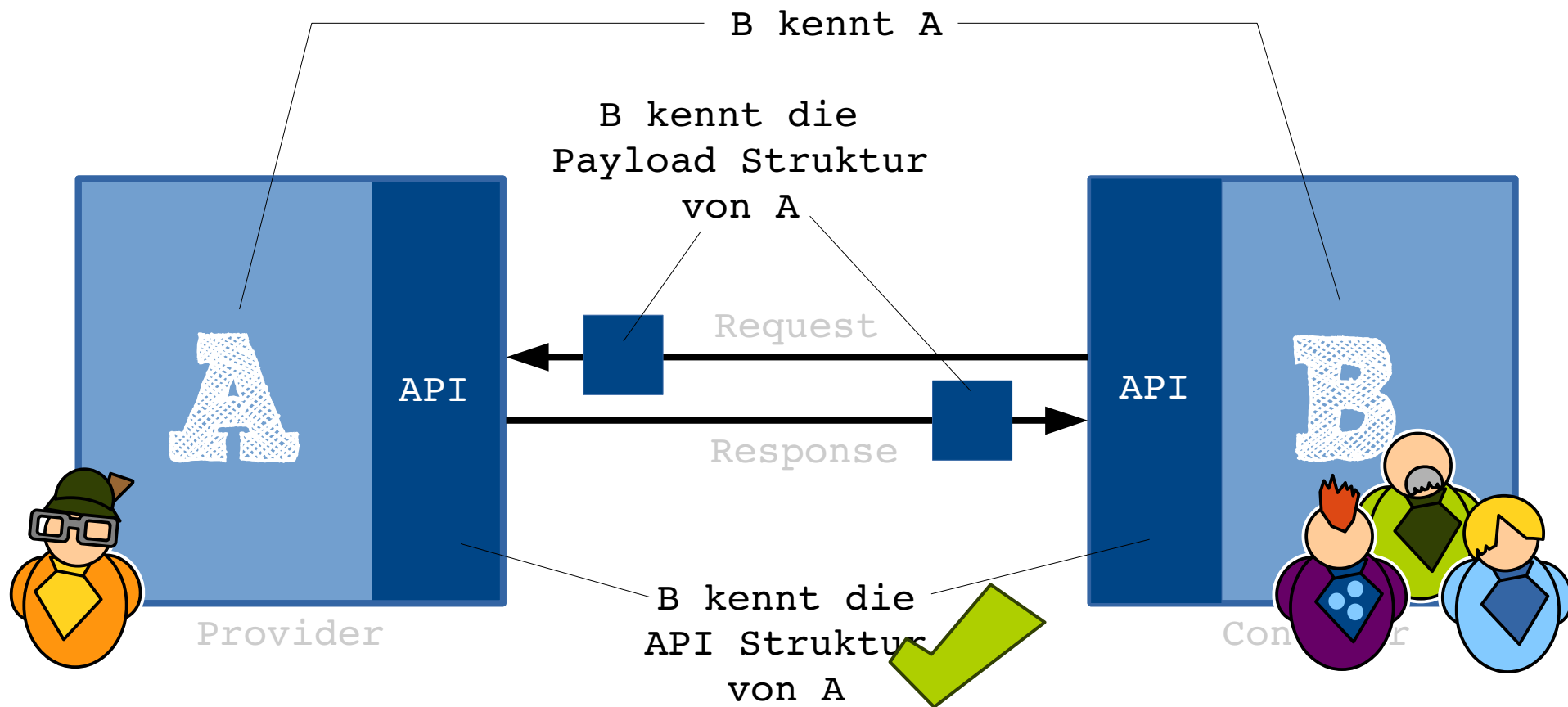
POST/PATCH: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

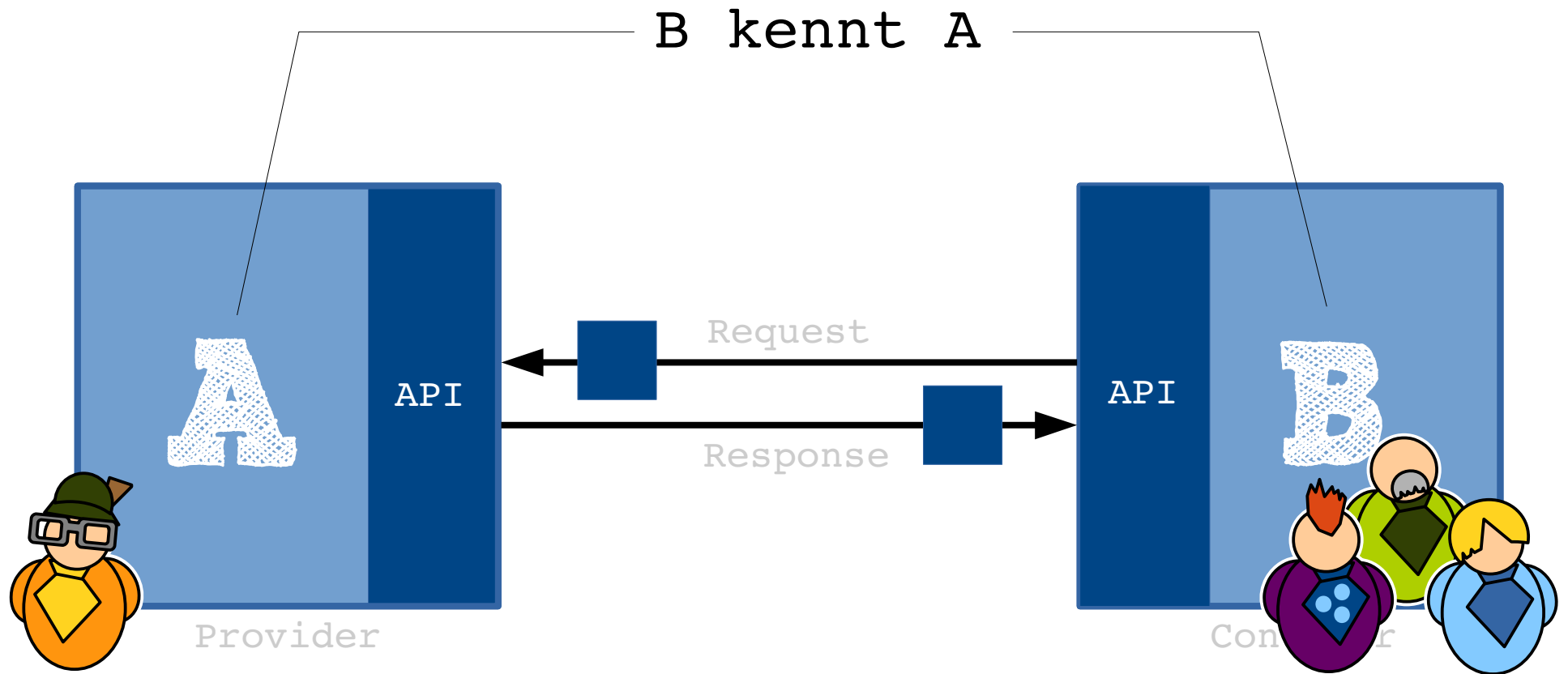
cancel_order

DELETE: RESTBUCKS.io/v2/order/1
RESTBUCKS.io/v2/order/{id}

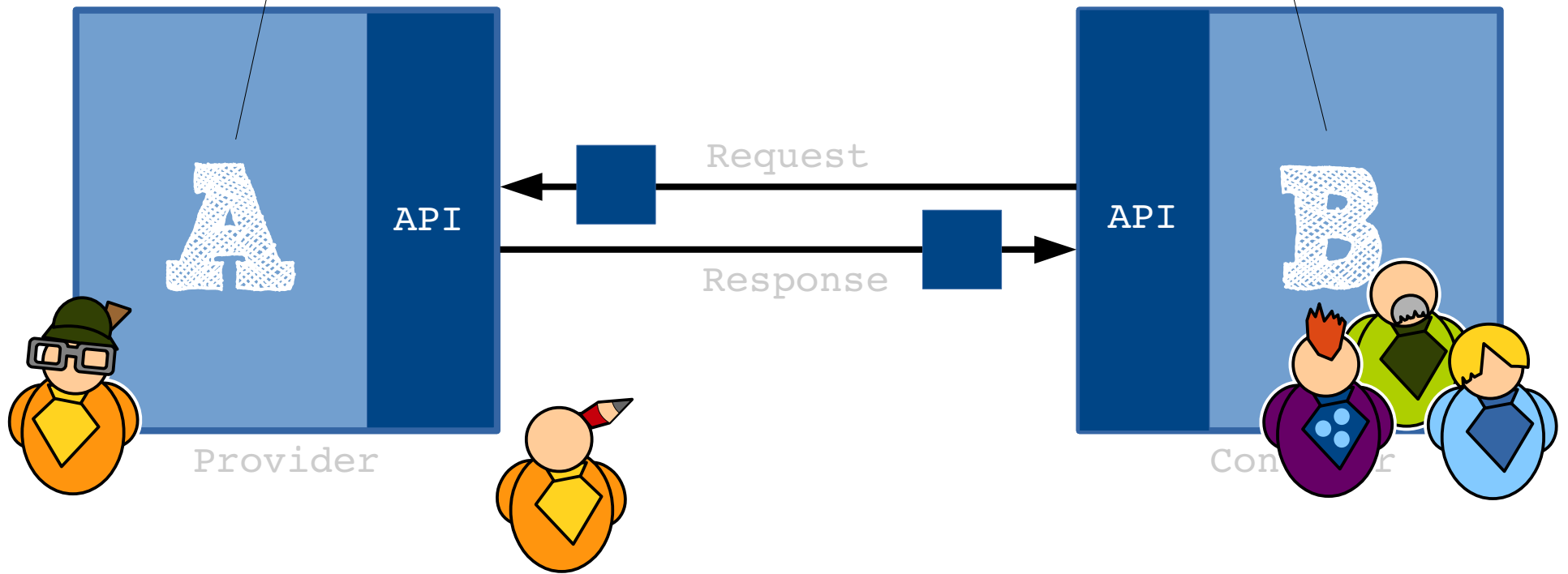
pay_order

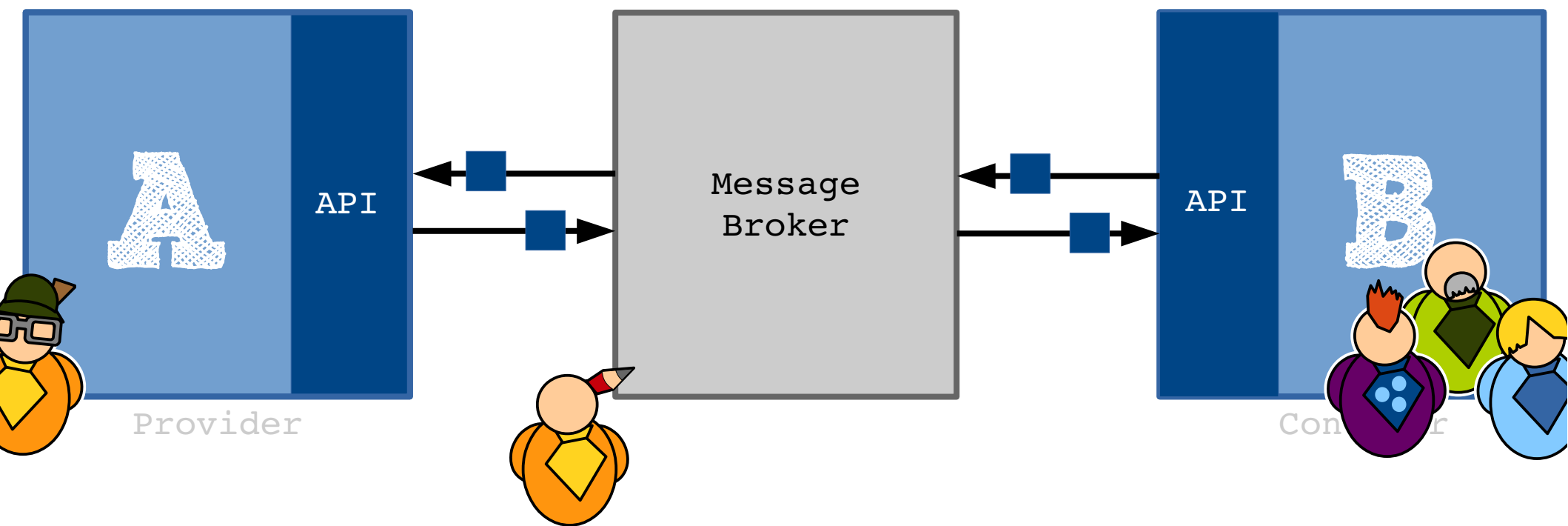
PUT: RESTBUCKS.io/v2/order/1/payment
RESTBUCKS.io/v2/order/{id}/payment

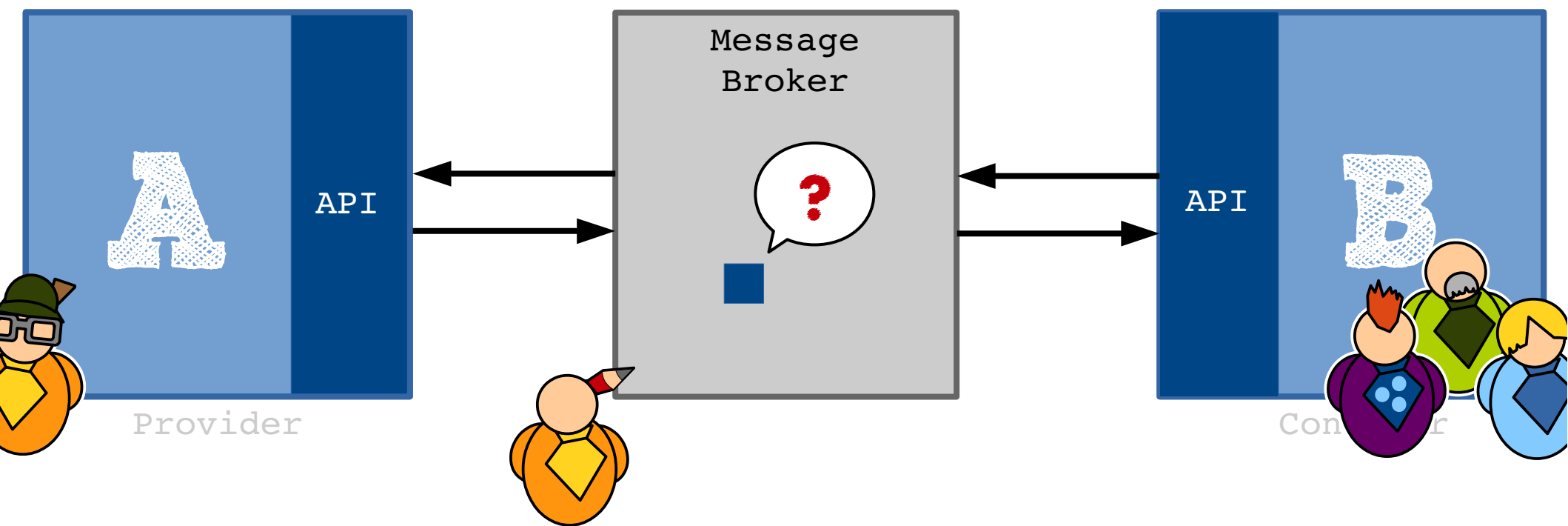




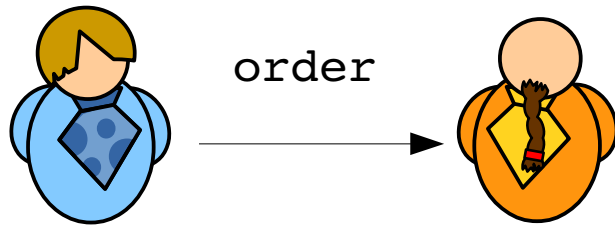
B kennt A



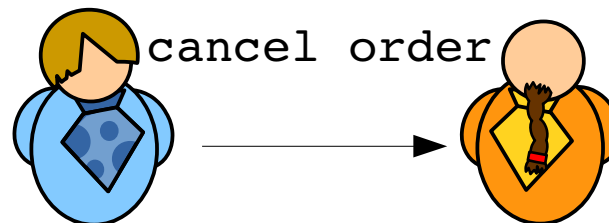
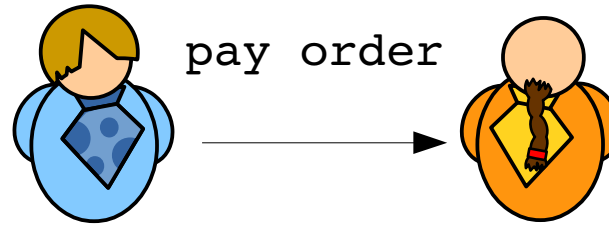
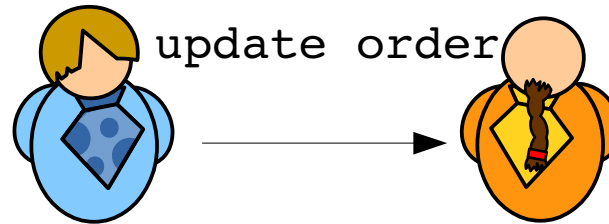




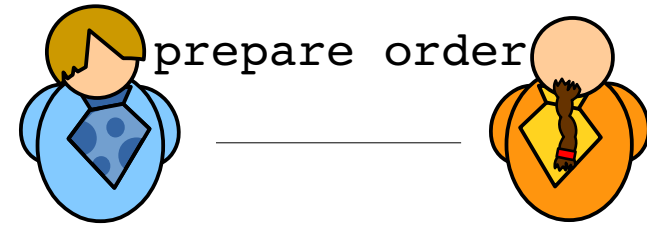
SCHRITT 1



SCHRITT 2



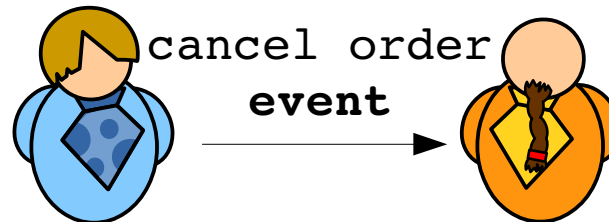
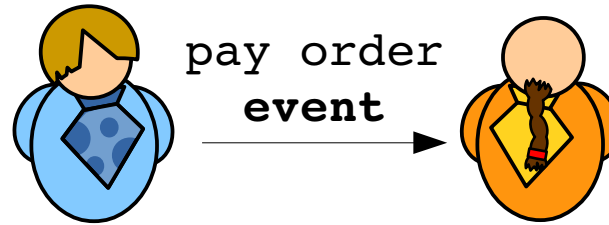
SCHRITT 3



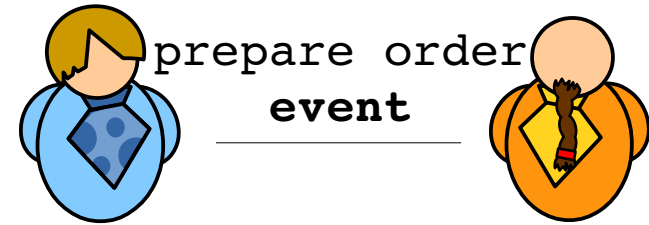
SCHRITT 1



SCHRITT 2

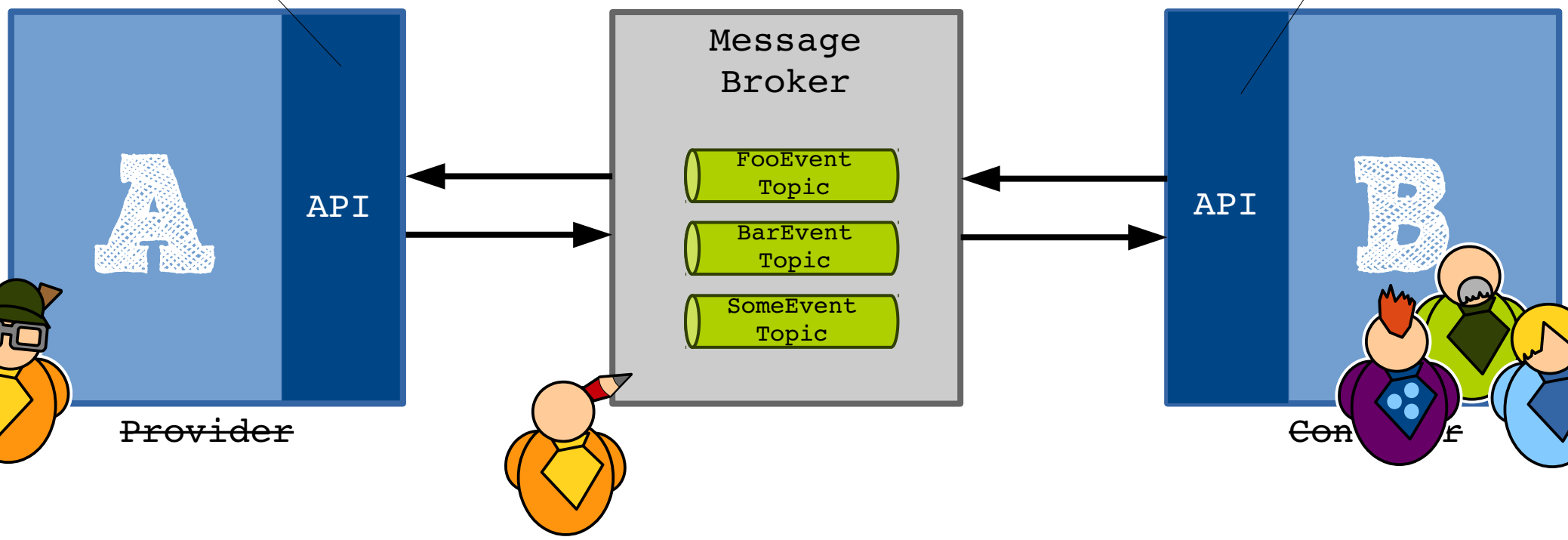


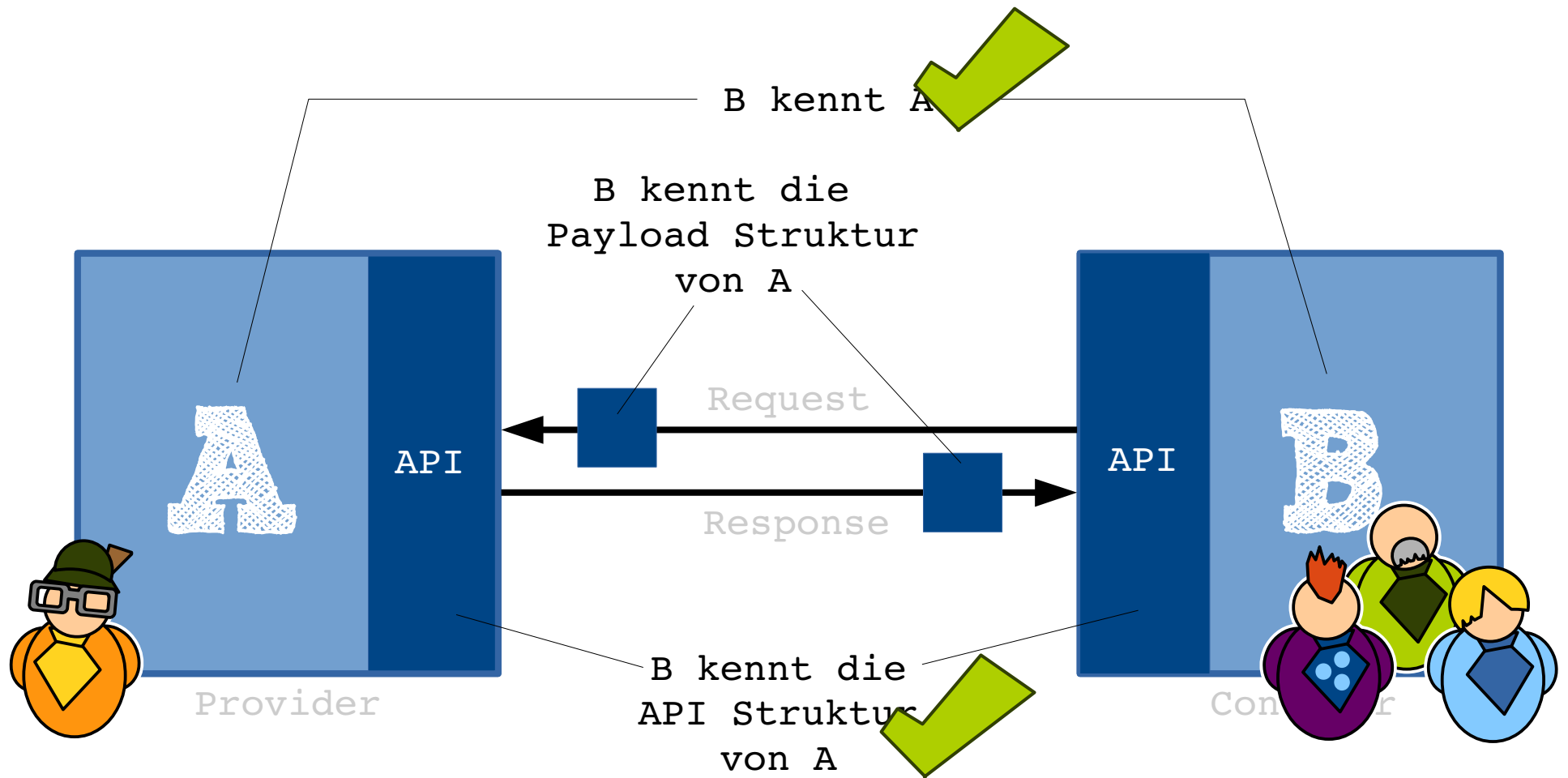
SCHRITT 3



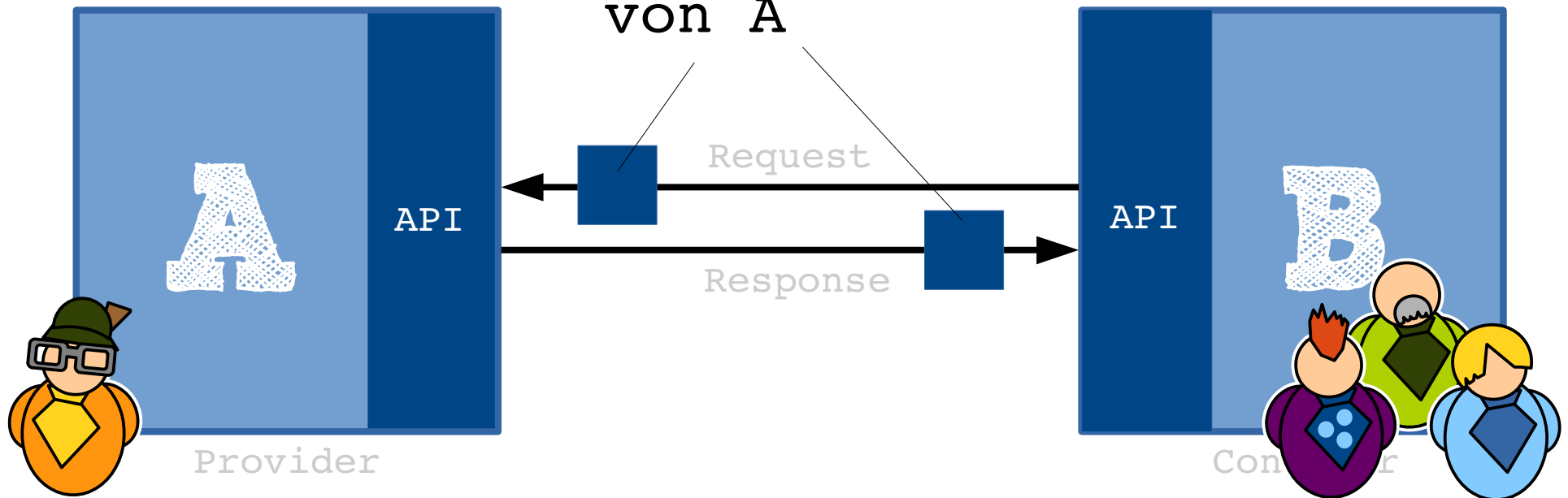
FooEvent-Listener
SomeEvent-Listener

BarEvent-Listener
SomeEvent-Listener





B kennt die
Payload Struktur
von A

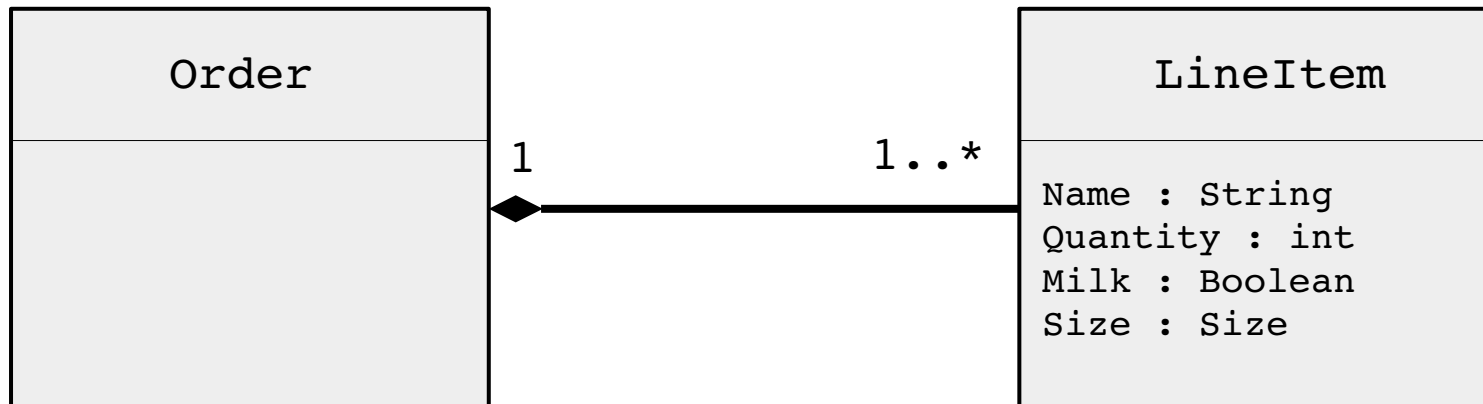




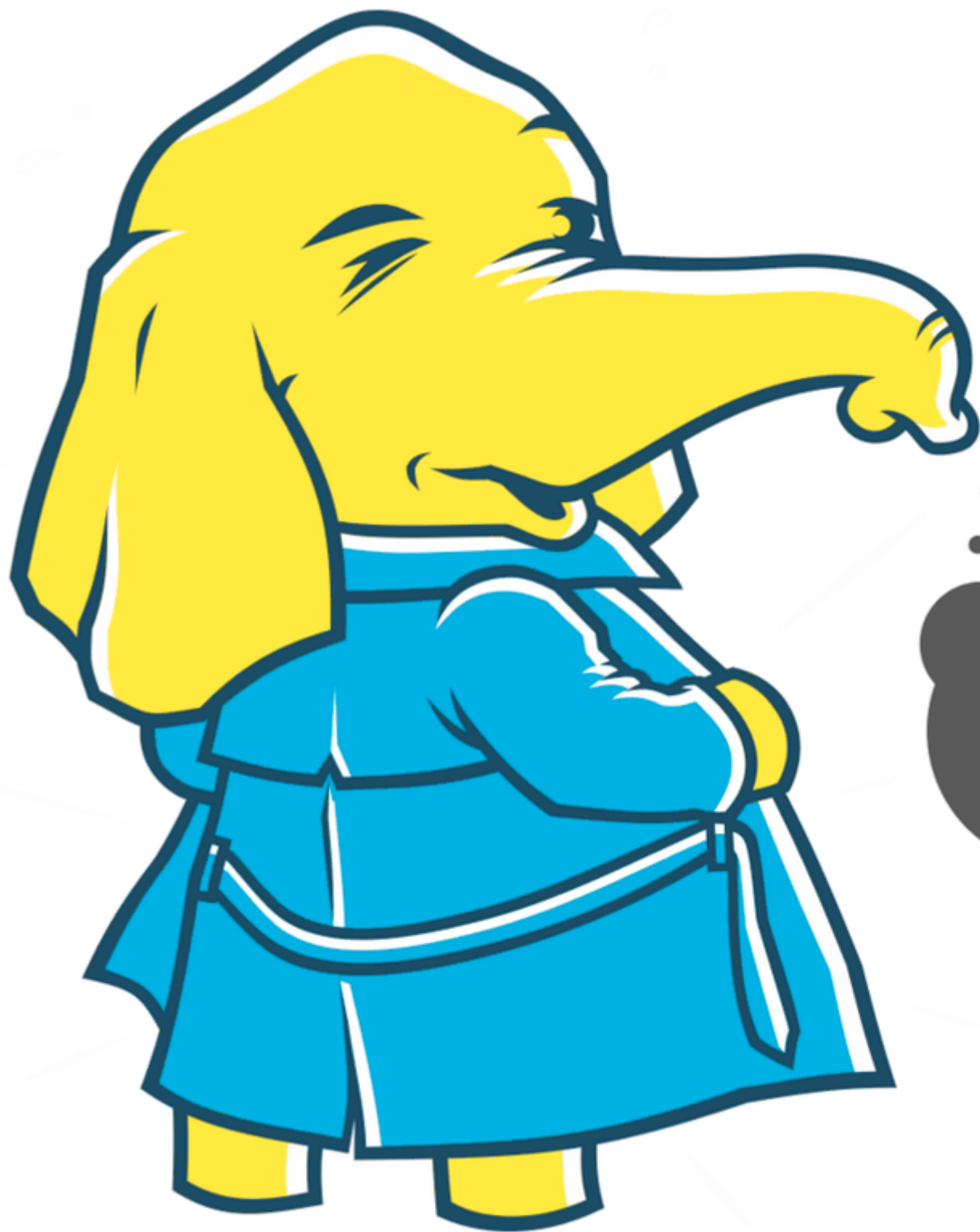
Order

LineItem

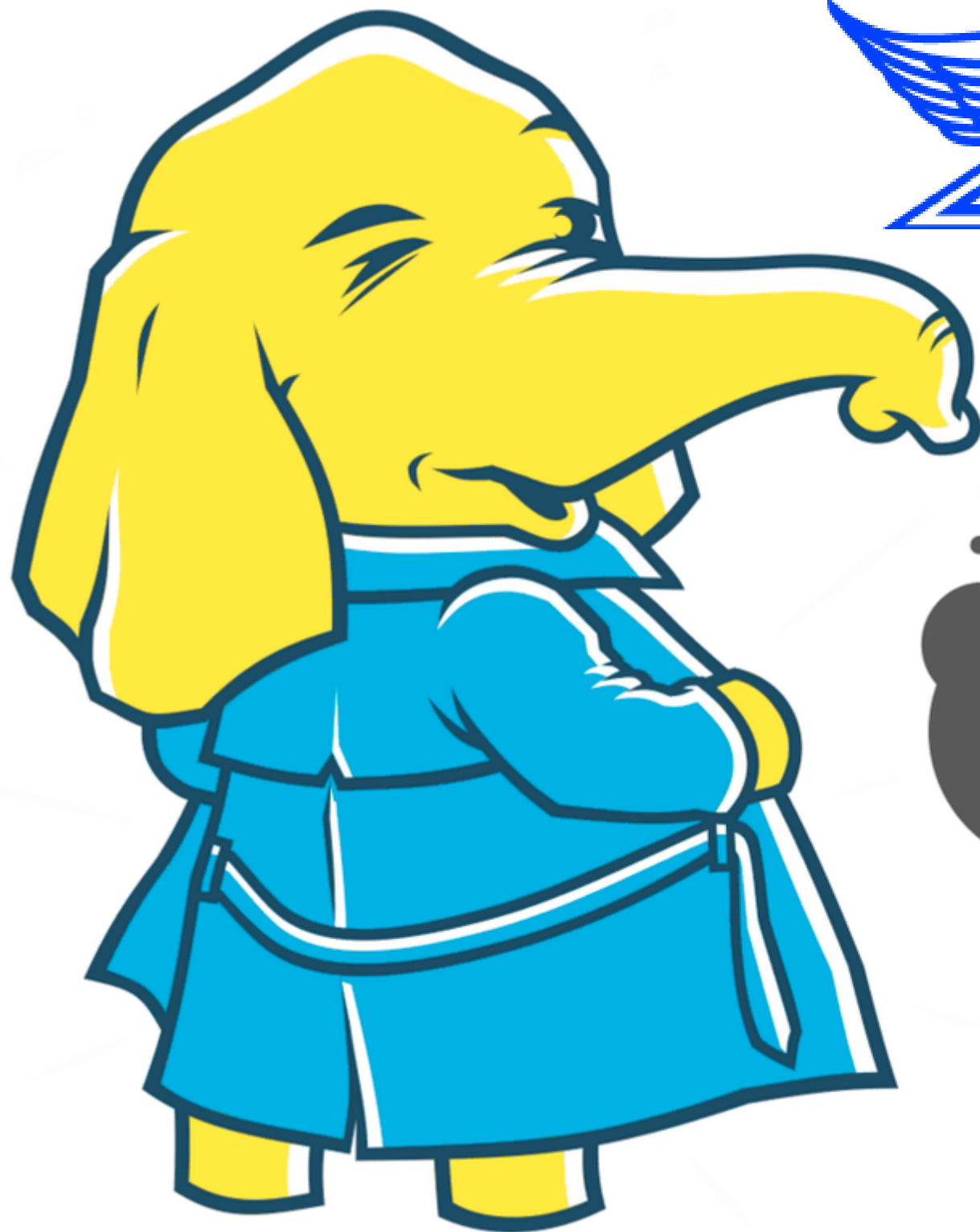




SCHEMA EVOLUTION



MY HADOOP
IS **BIGGER**
THAN YOURS...



MY HADOOP
IS **BIGGER**
THAN YOURS...

O'REILLY®

Designing Data-Intensive Applications

THE BIG IDEAS BEHIND RELIABLE, SCALABLE,
AND MAINTAINABLE SYSTEMS



Martin Kleppmann

Schema Registry Server:

spring-cloud-stream-schema-server als Dependency

@EnableSchemaRegistryServer

Schema Registry Client:

spring-cloud-stream-schema als Dependency

@EnableSchemaRegistryClient

Funktioniert auch mit der confluent schema registry (<https://www.confluent.io/>)