

Async by Message or Events

in Microservices Architecture

What is a Message?

Message Example

Message 2

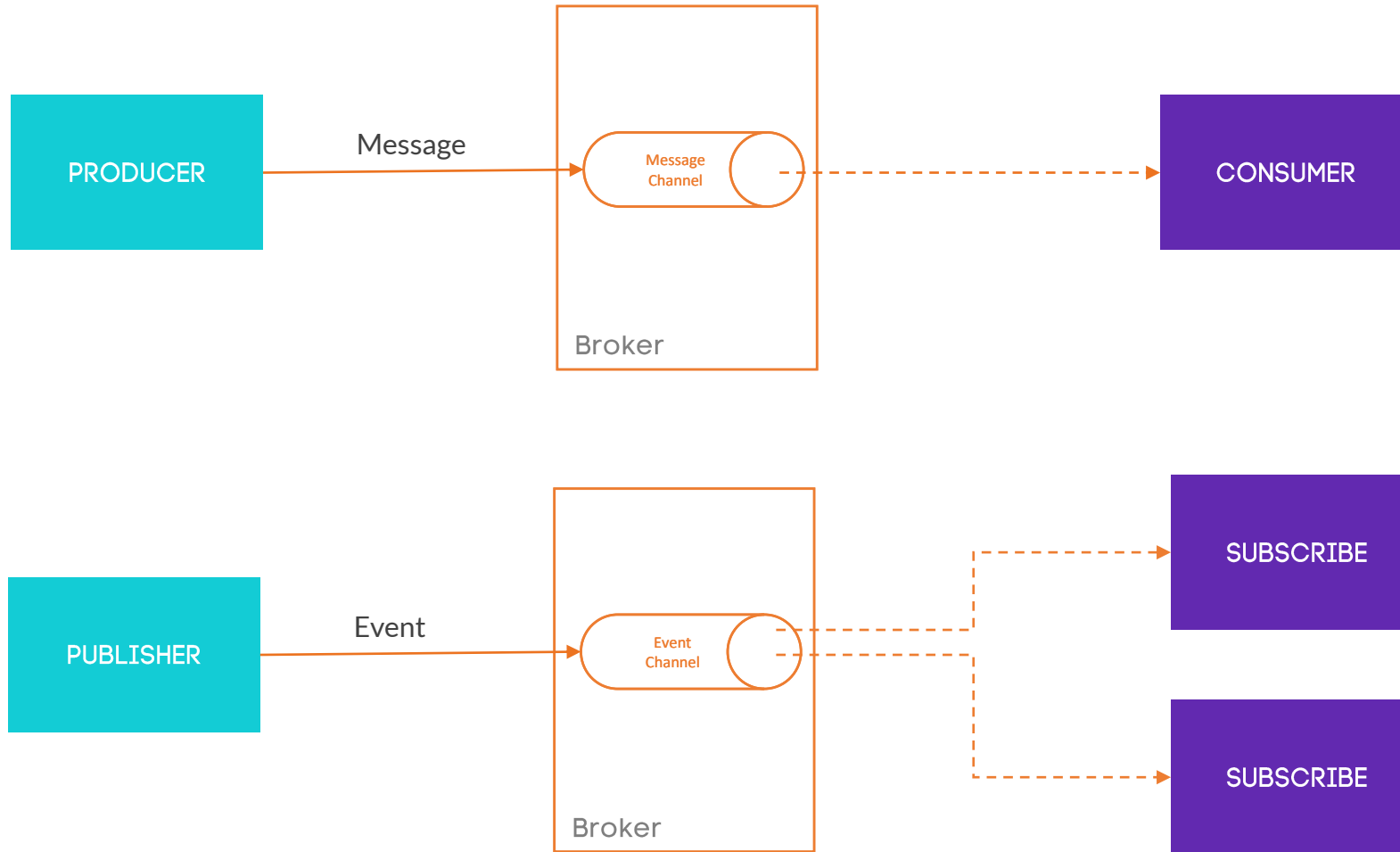
The server reported 0 messages remaining.

Exchange	(AMQP default)
Routing Key	ms.email
Redelivered	0
Properties	delivery_mode: 1 headers:
Payload 220 bytes Encoding: string	{ "ownerRef": "Michelli", "emailFrom": "nina@gmail.com", "emailTo": "michellidibrito@gmail.com", "subject": "Segundo envio", "text": "Para fazer o download gratuitamente basta acessar o link." }



Examples of Message Brokers

Producer and Consumer / Publish and Subscribe



RabbitMQ Exchanges Examples

Name	Type	Features	Message rate in	Message rate out
(AMQP default)	direct	D	0.00/s	0.00/s
amq.direct	direct	D		
amq.fanout	fanout	D		
amq.headers	headers	D		
amq.match	headers	D		
amq.rabbitmq.trace	topic	D I		
amq.topic	topic	D		

What is the difference
between Command and
Event?

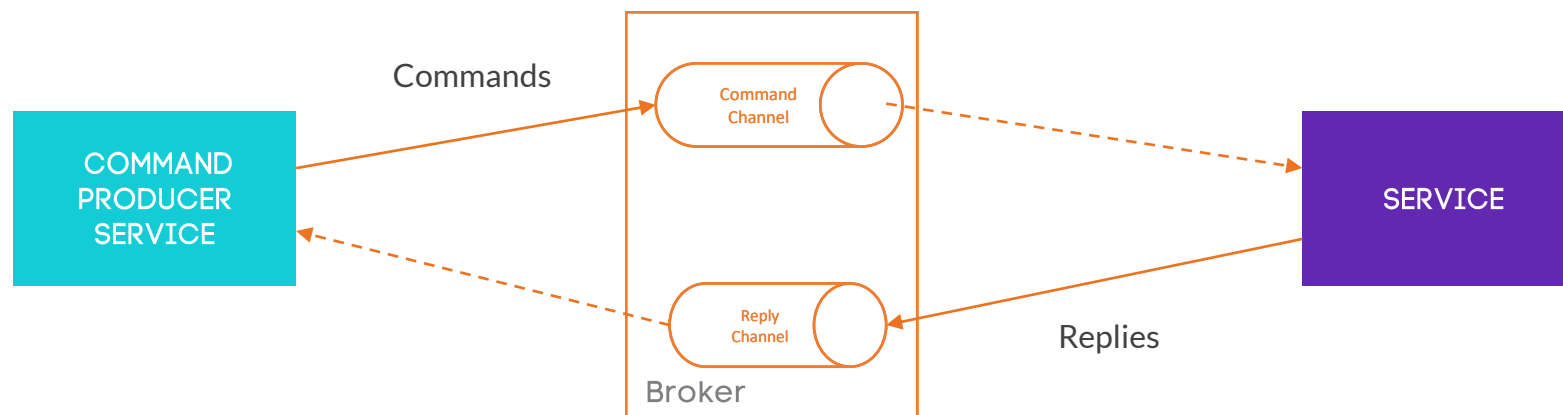
Command



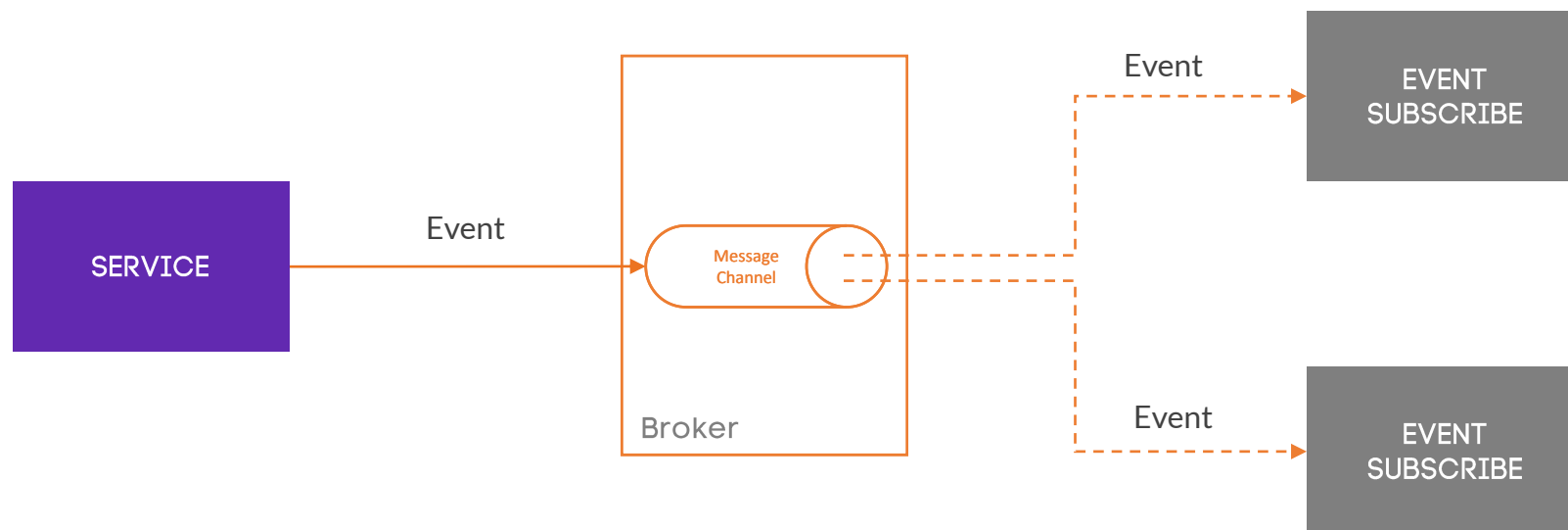
Event



Command Example



Event Example



Command and Event Example

