

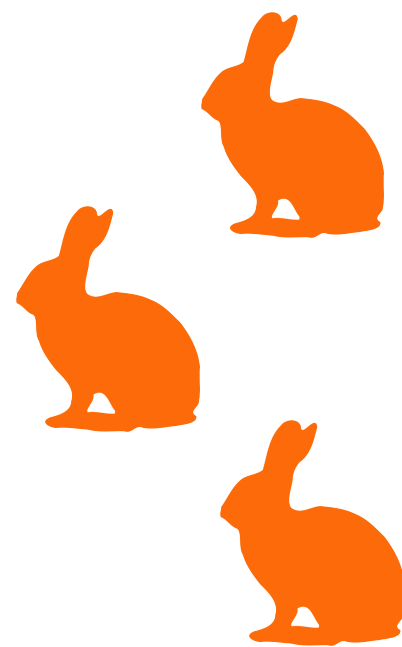
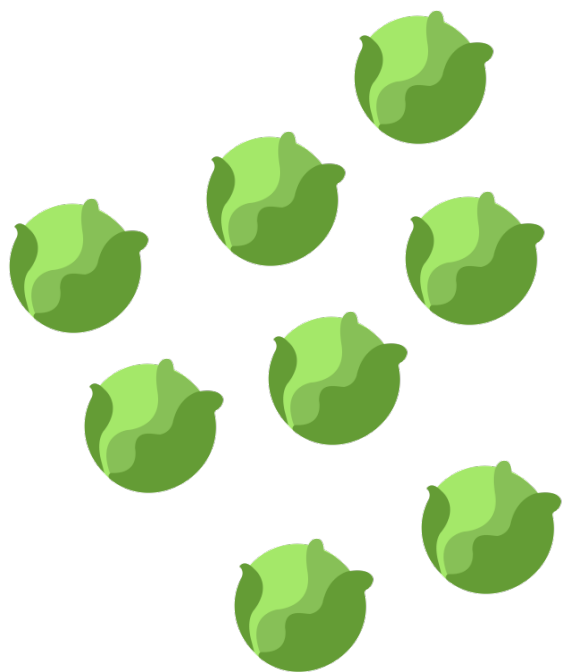


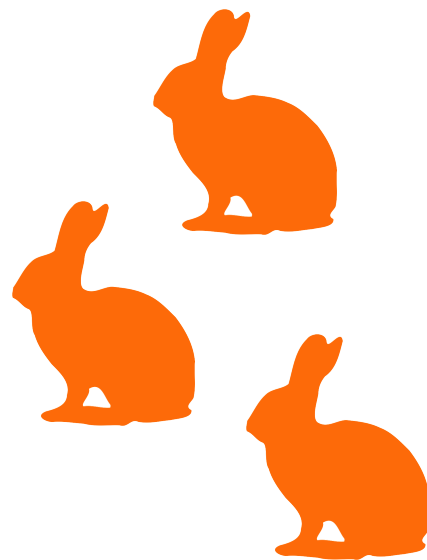
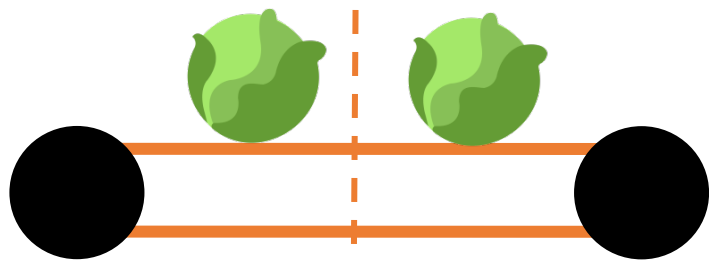
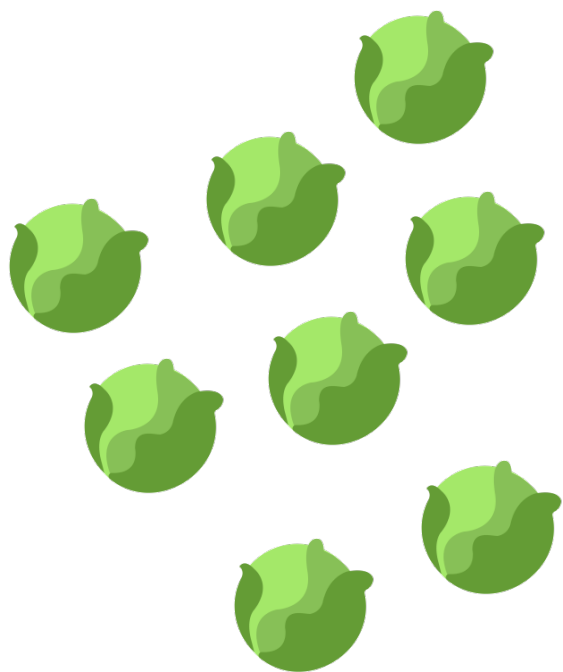
**Let my rabbits carry
your messages**

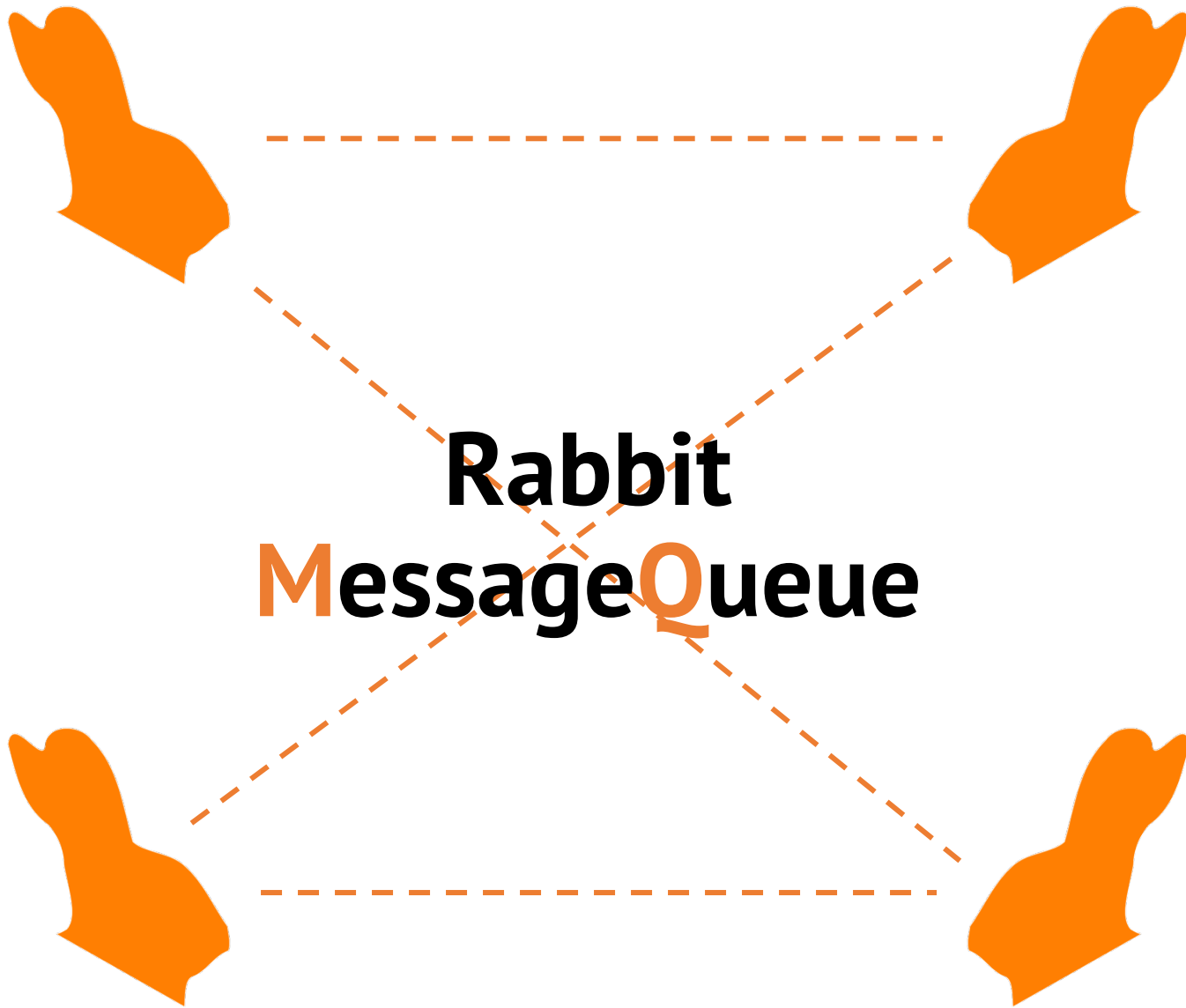
@RoboNovotny

GDG DevFest Košice 2017







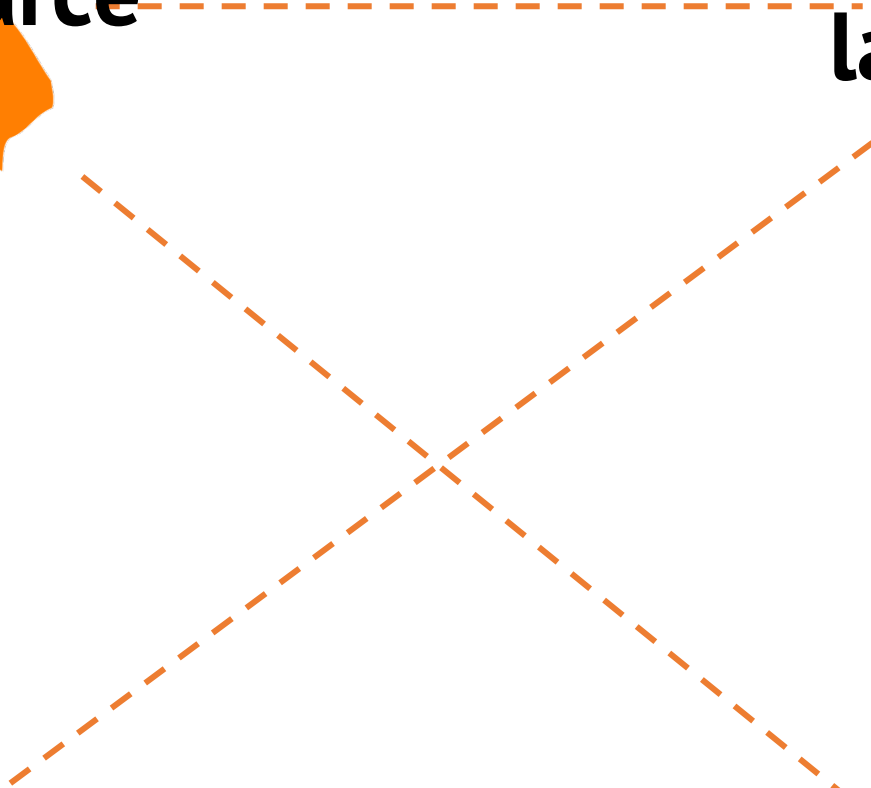


opensource

**cross-
language**

scalable

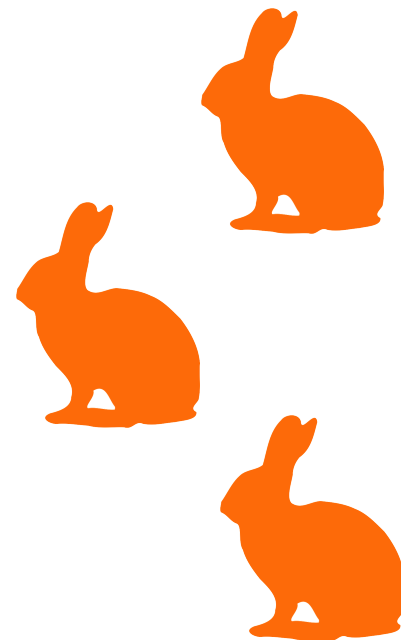
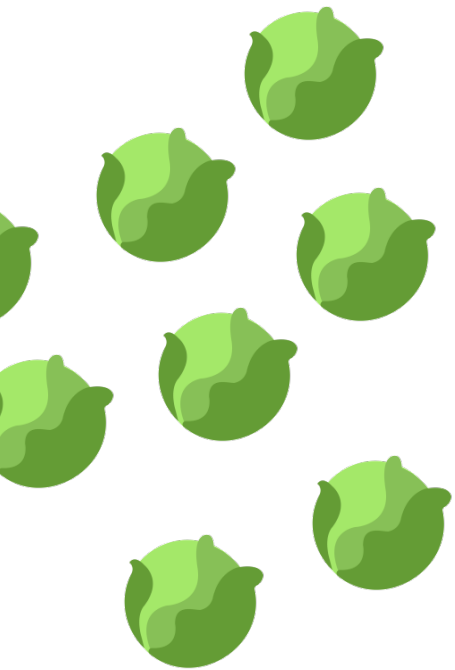
smart

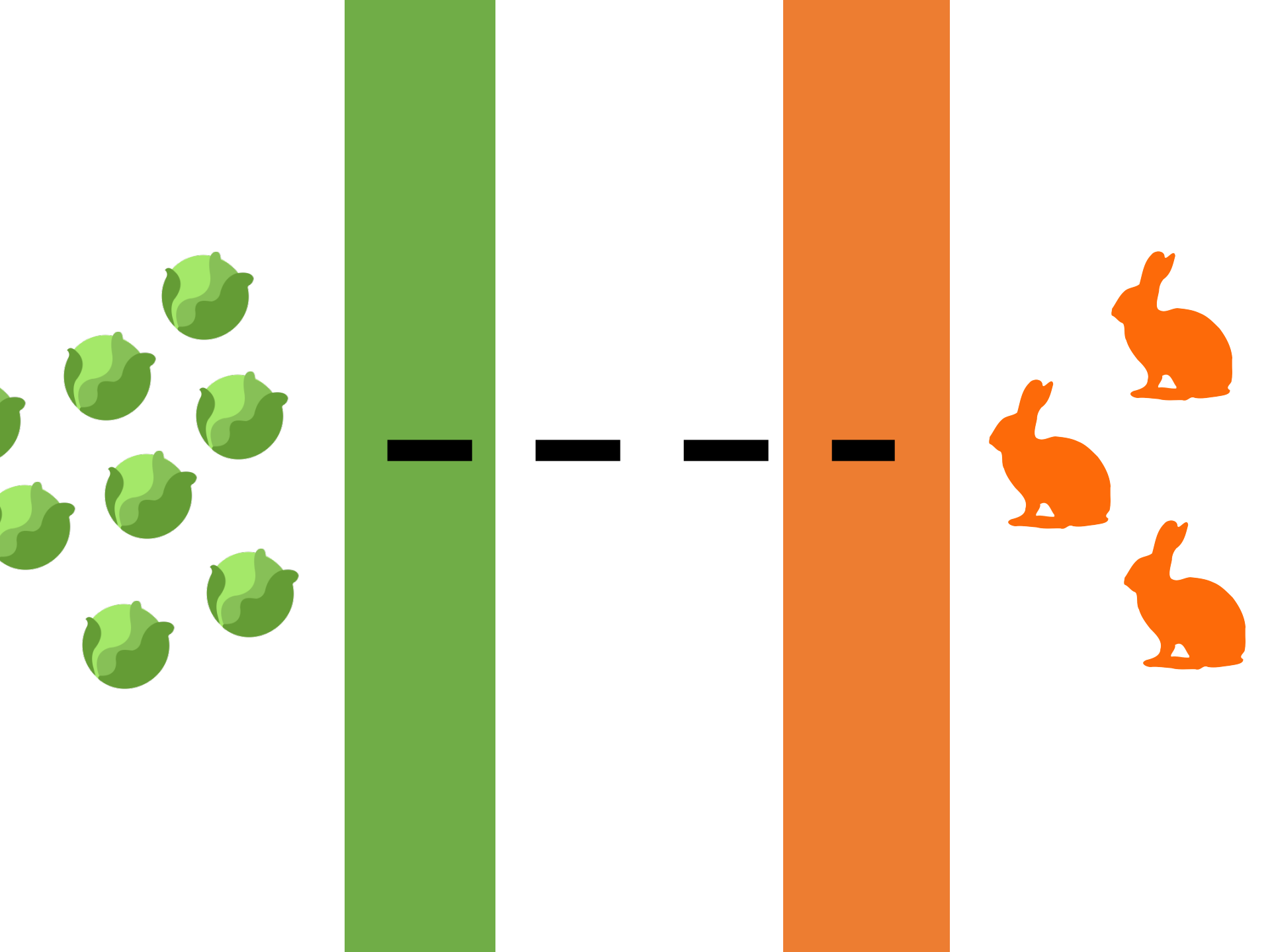




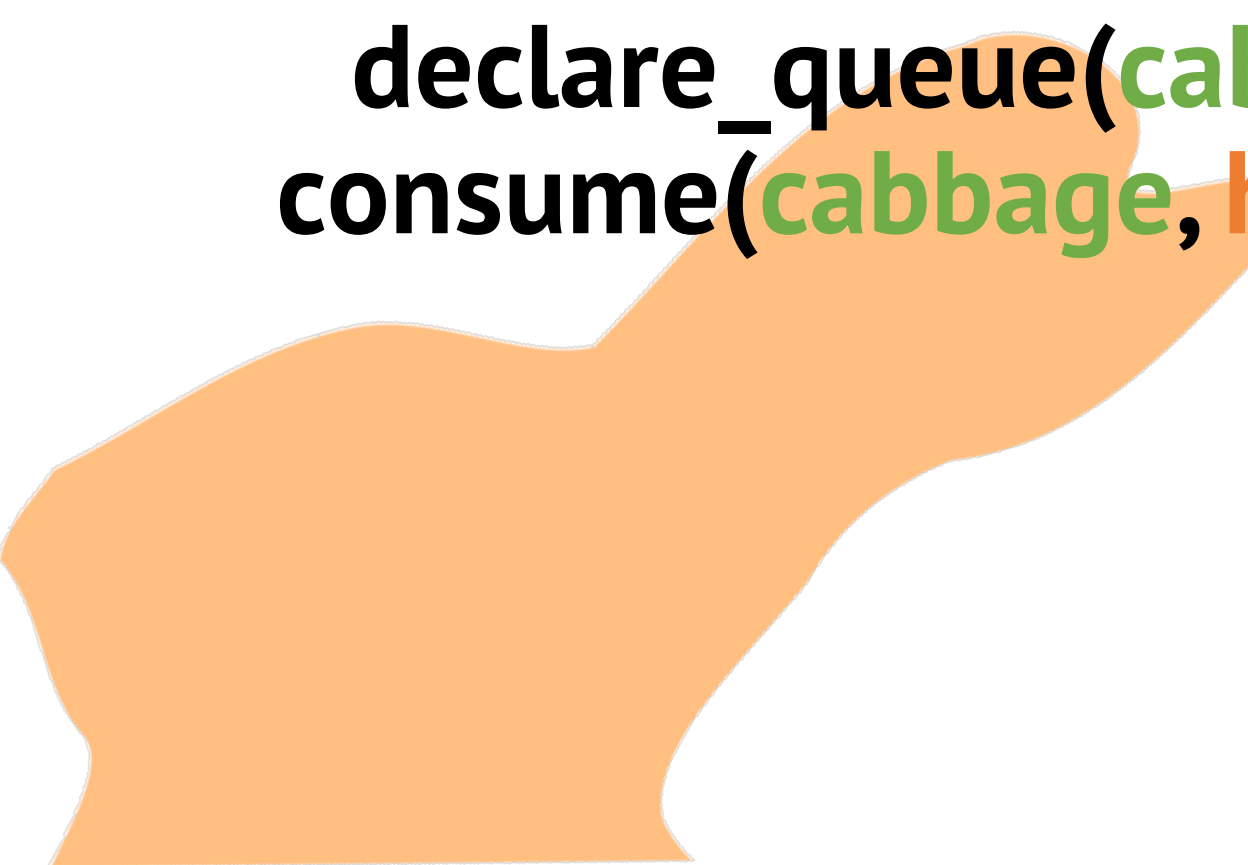
**distributed systems
backbone**

The diagram illustrates a distributed systems backbone. It features four orange, irregularly shaped nodes positioned at the corners of a square. These nodes are interconnected by four dashed orange lines: a horizontal line at the top, a horizontal line at the bottom, a diagonal line from the top-left to the bottom-right, and a diagonal line from the top-right to the bottom-left. The text "distributed systems backbone" is centered in the middle of the diagram.





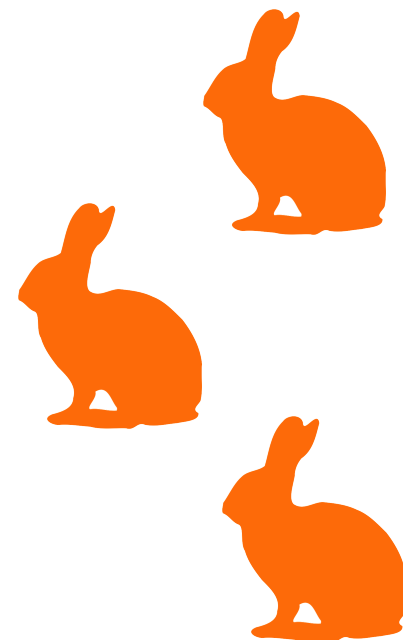
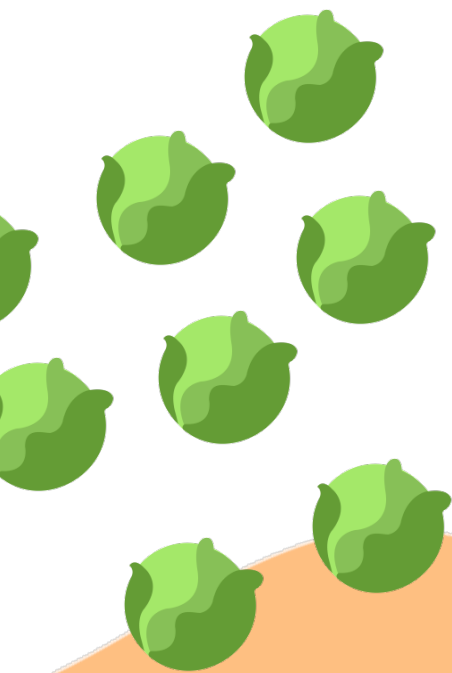
publish("", "cabbage", 🌱)

An orange hand with a white outline, pointing its index finger upwards towards the text.

```
declare_queue(cabbage)  
consume(cabbage, handler)
```

A large, solid orange abstract shape that resembles a stylized, irregular blob or a splash. It has a wavy, organic border and occupies the lower half of the image. The text "workload distribution" is centered within this shape.

**workload
distribution**



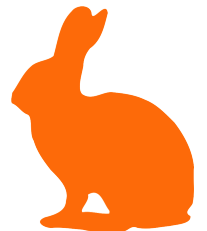
declare_queue("cabbage")
consume("cabbage, handler)

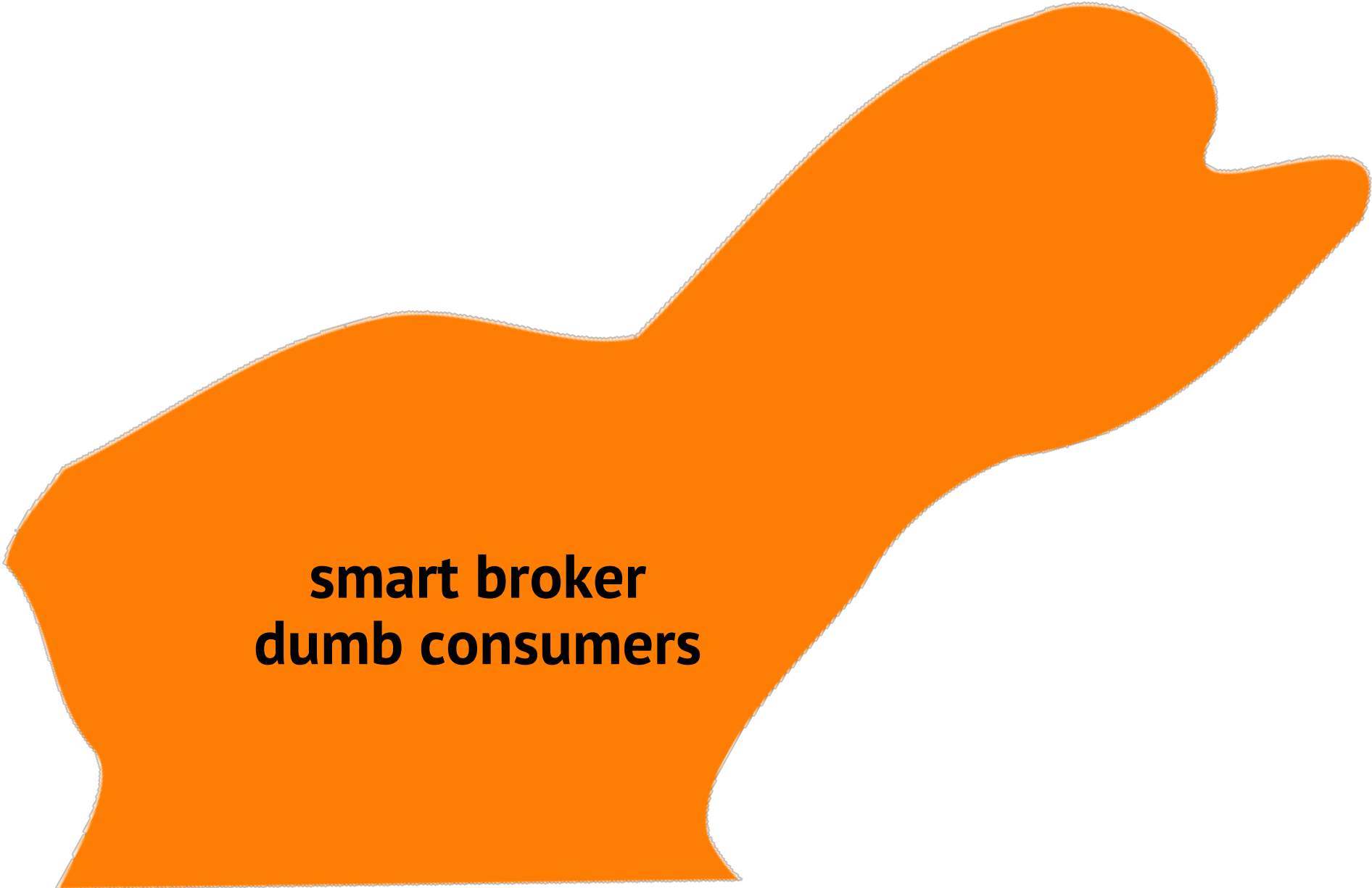


declare_queue("cabbage")
consume("cabbage, handler)



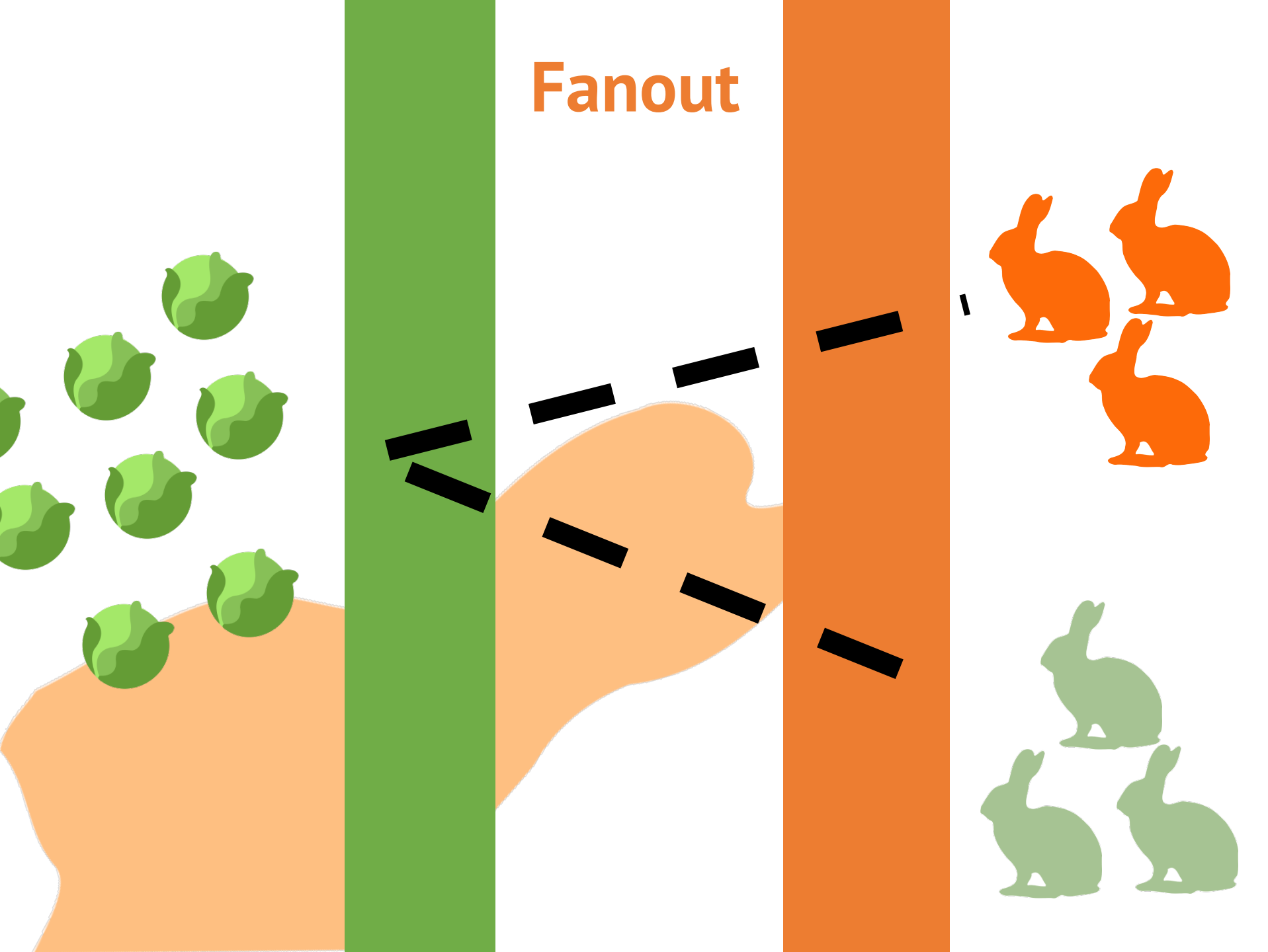
declare_queue("cabbage")
consume("cabbage, handler)



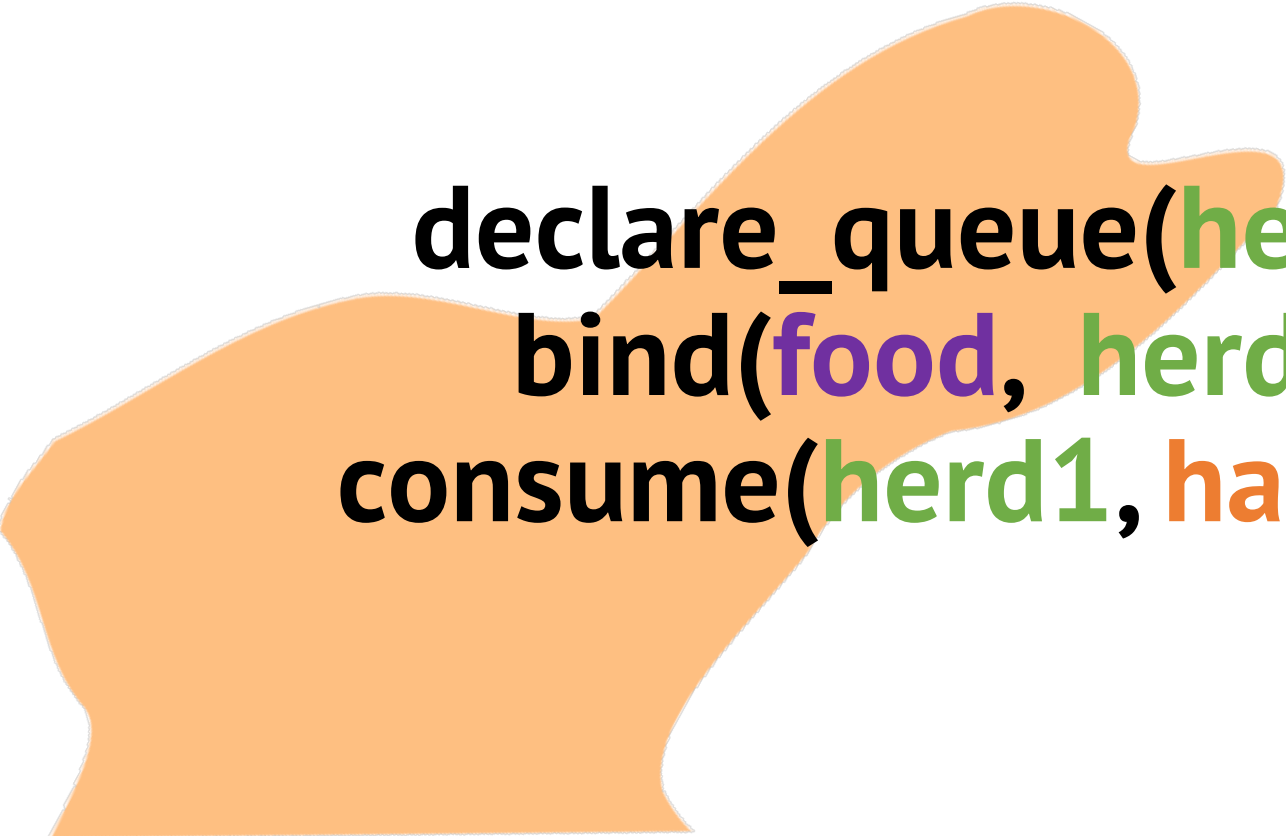
A large, solid orange abstract shape that resembles a stylized animal head or a splash, positioned on the right side of the image. It has a rounded snout-like tip on the right and a more irregular, wavy edge on the left.

**smart broker
dumb consumers**

Fanout

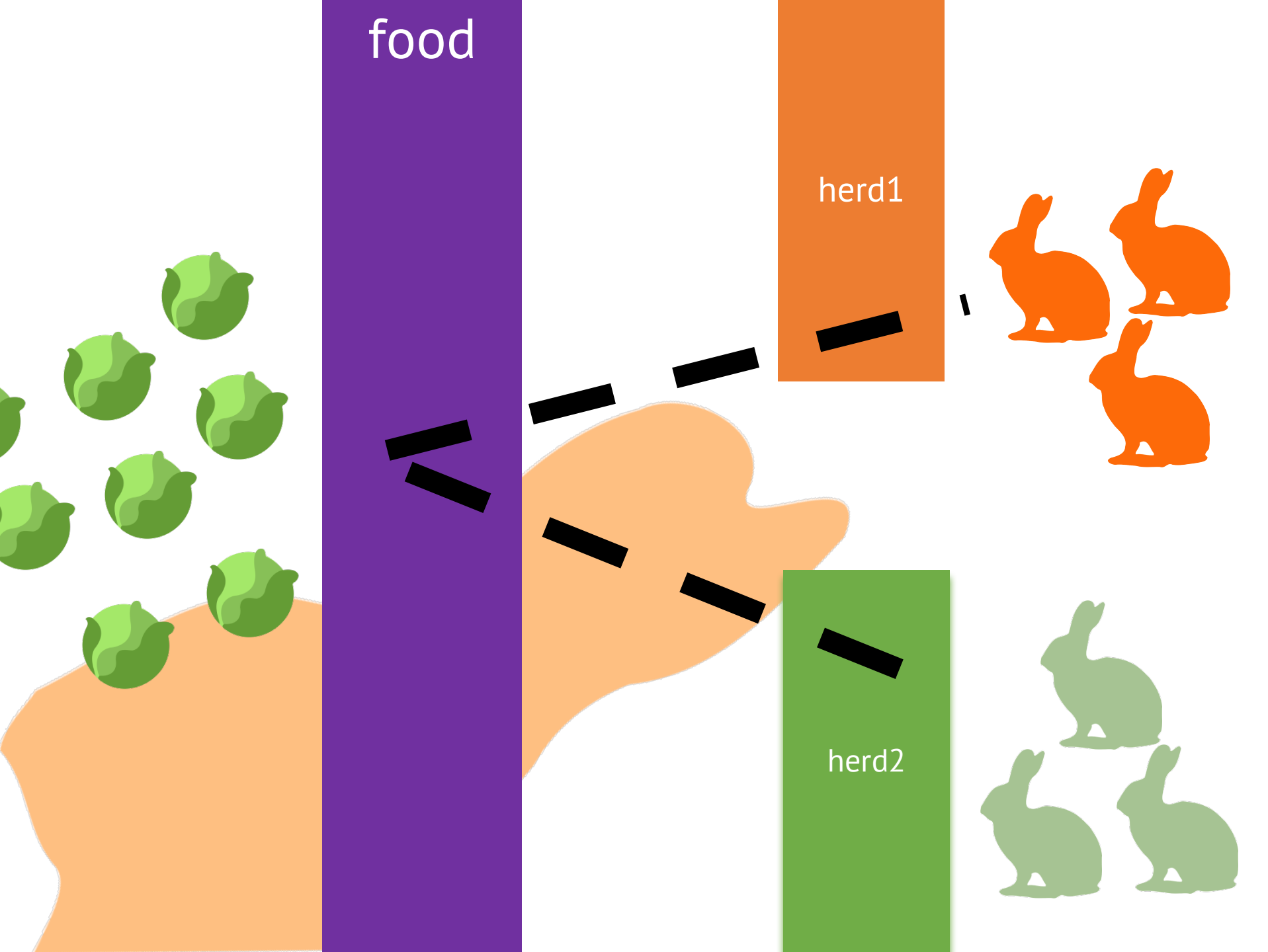


declare_exchange(food, fanout)




declare_queue(herd1)
bind(food, herd1)
consume(herd1, handler)

food



Producer → Exchange → Queue → Consumer

- producer casts a message to an **exchange**
 - **exchange** routes the message to **queues**
 - consumer eats from a **queue**
- 

A large, solid orange abstract shape that resembles a stylized, flowing form, possibly a hand or a wing, with a wavy, irregular edge. It is positioned on the right side of the image, extending from the middle towards the bottom right corner.

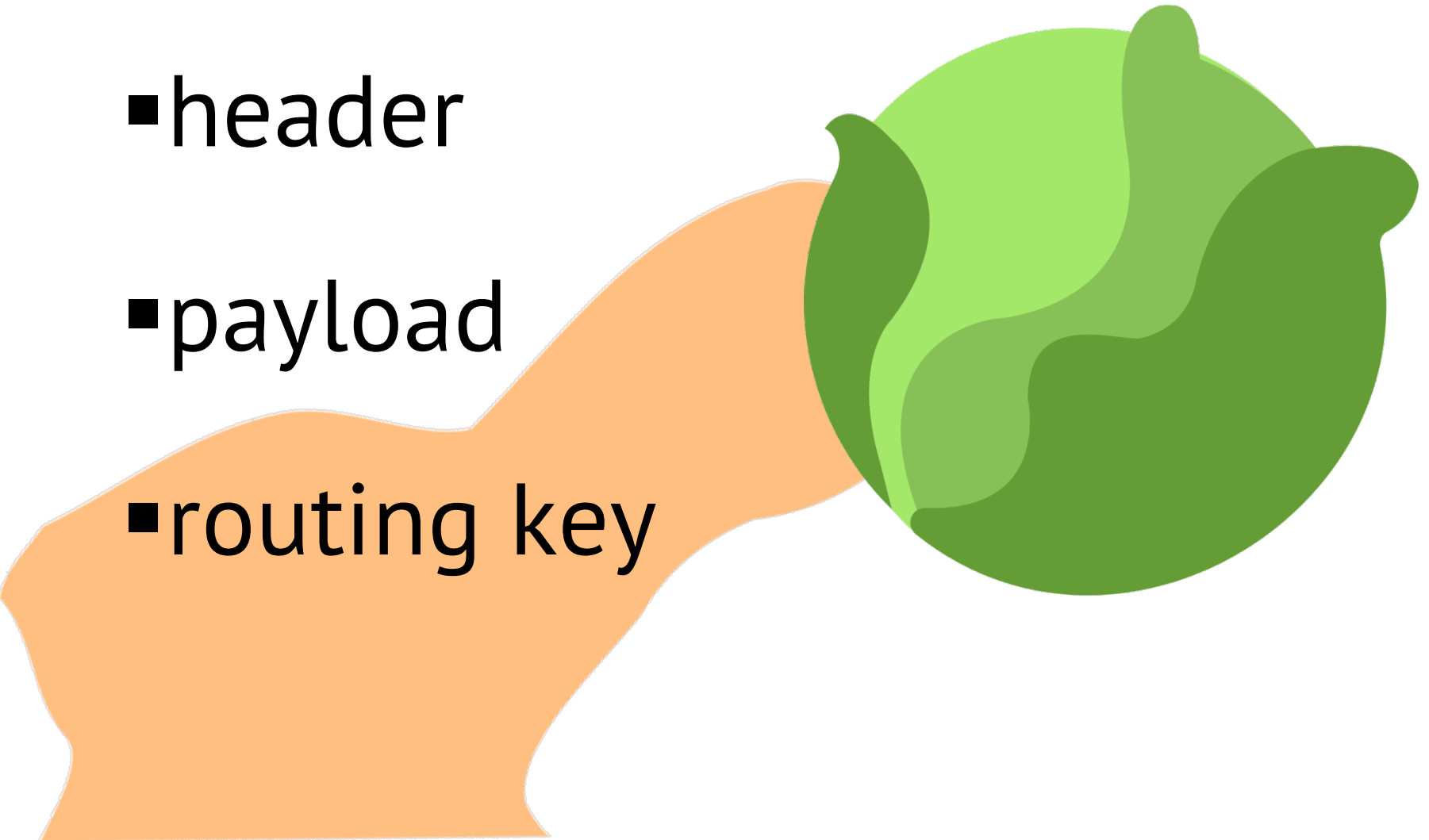
**complex
routing**

Message

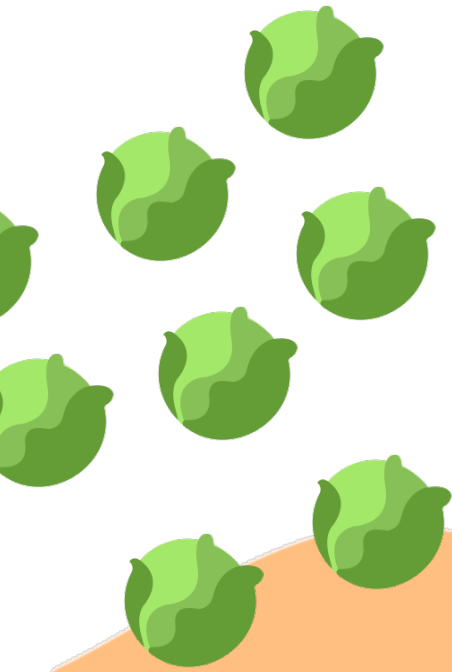
- header

- payload

- routing key



food exchange



#food

#green

#cabbage

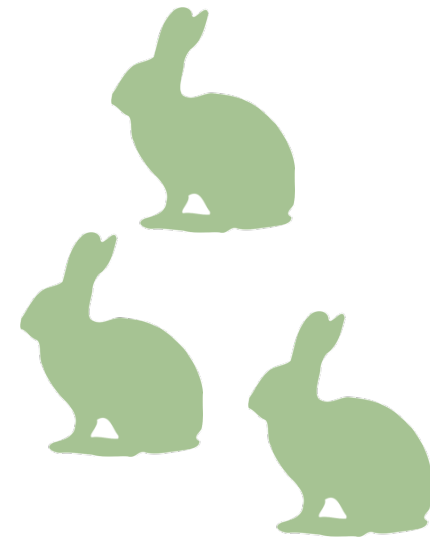
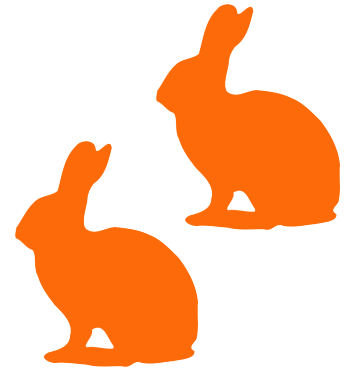
food exchange



#food
#green
#cabbage

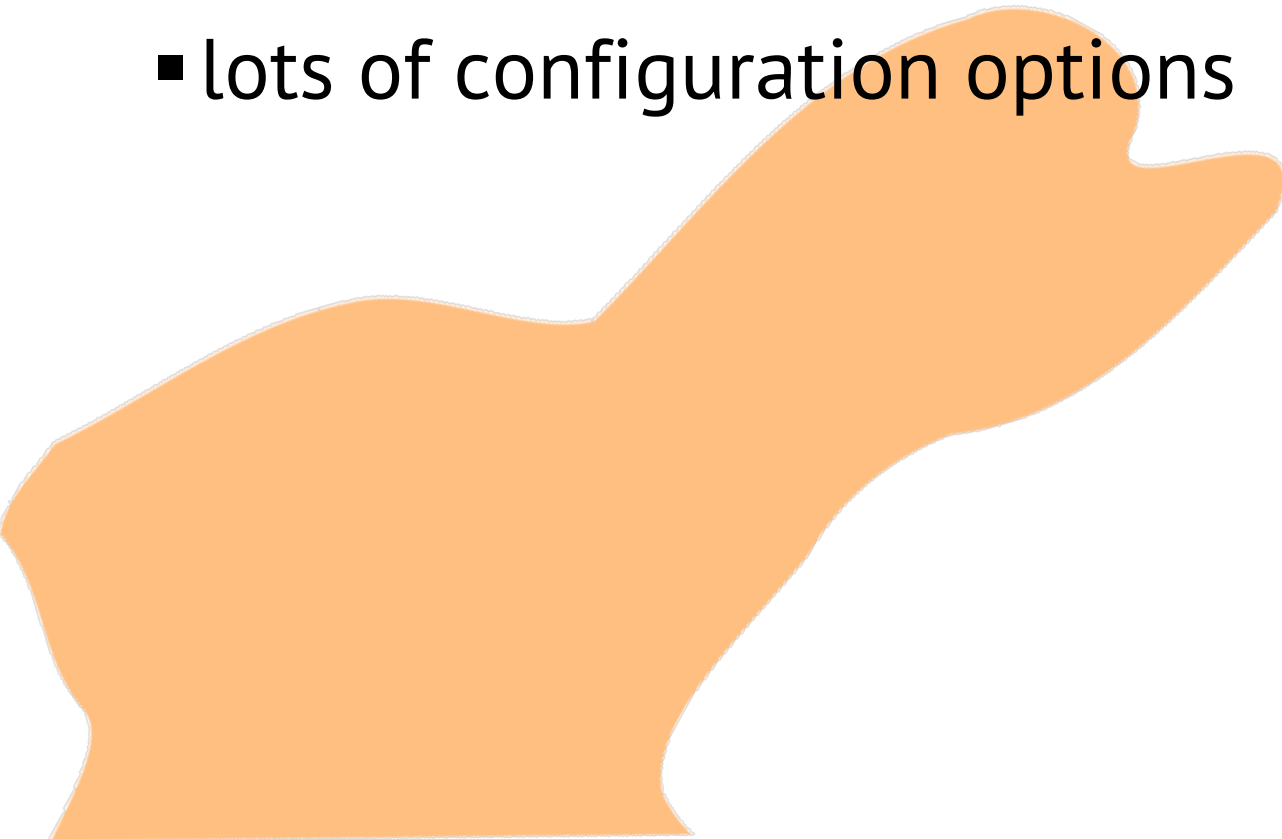
#food

#food
#green



Really complex scenarios

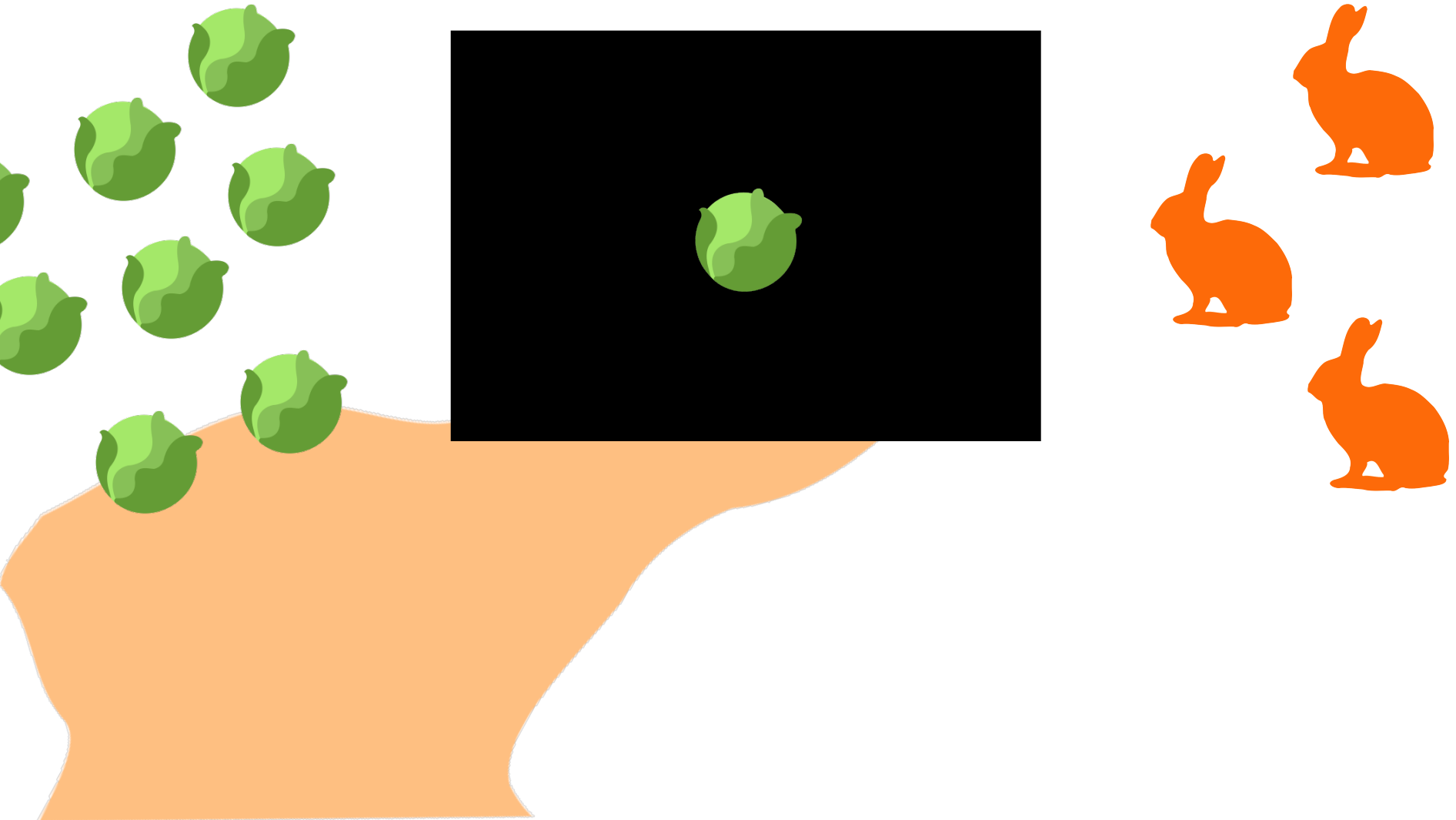
- 4 types of exchanges
- 2 types of bindings
- lots of configuration options



exchanges, queues and bindings may be
configured on the broker

A large, irregular orange shape that resembles a stylized hand or a splash, positioned in the lower-left and center of the slide, partially overlapping the text.

Resilience



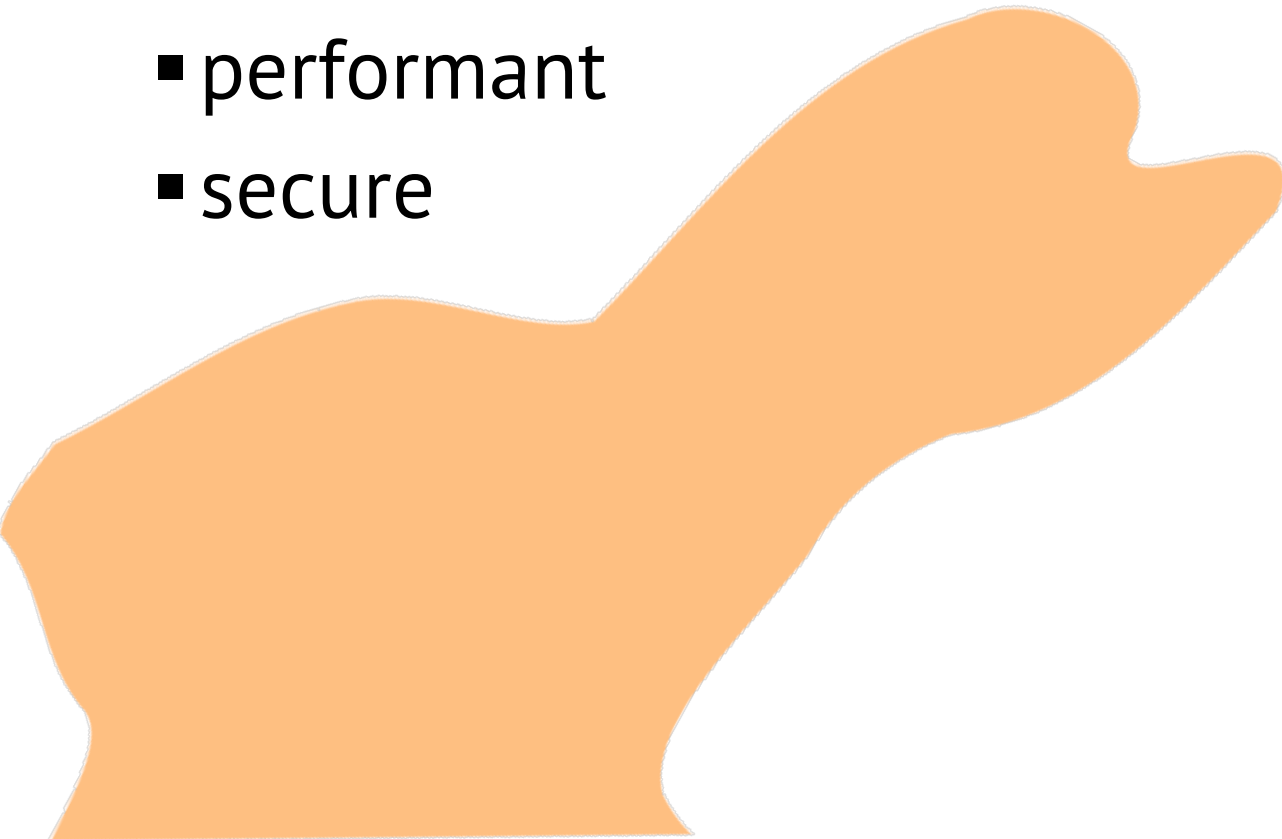


The diagram features a large, light orange hand with its index finger pointing upwards. The word "Scalability" is written in bold black text on the index finger. Four smaller, darker orange hand icons are positioned at the corners of the image, each with its index finger pointing towards the center. Dashed orange lines connect the index fingers of these four corner hands to the index finger of the central hand, forming a square with an 'X' inside. The word "Scalability" is centered within this 'X'.

Scalability

Why RabbitMQ?

- easy configurable
- complex scenarios out of box
- performant
- secure



<cute_rabbit.jpg>

Thank you!
@RoboNovotny