

The background image shows a modern building with a wooden facade and large windows. In the foreground, there is a large, rectangular water feature with several small fountains. The scene is set in an urban environment with trees and a clear sky.

# Messaging services at Nedap

Mark Banierink, Martijn Slot en Anne-Greeth van Herwijnen

# Assignment

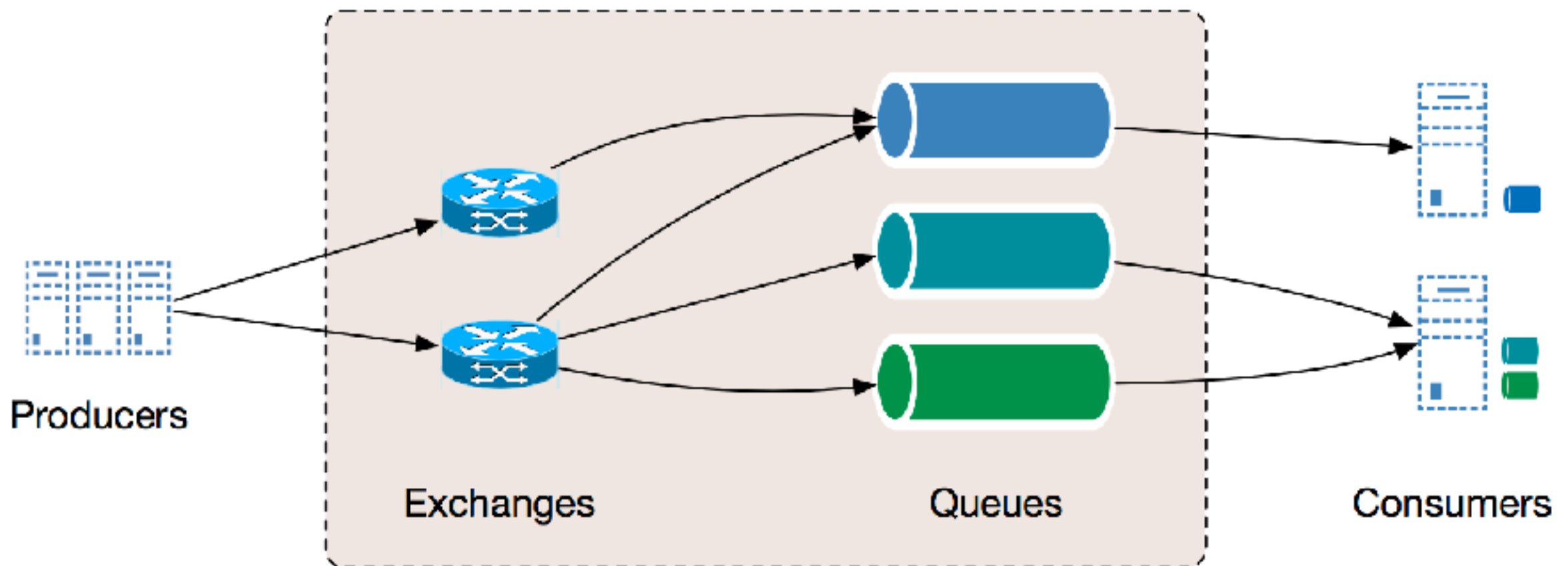
- Message Services
- At the departments
- Observations



# Message services

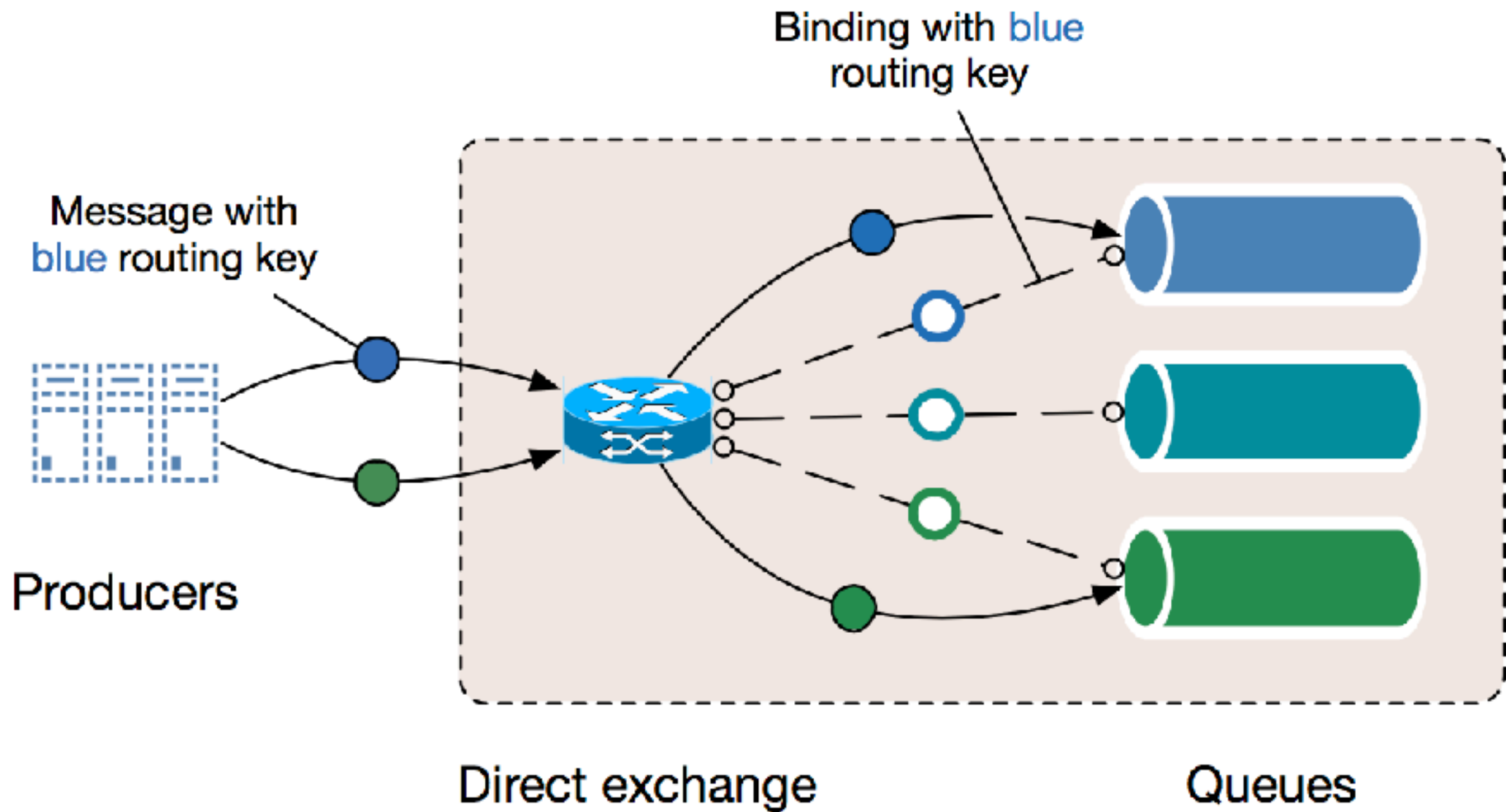


# RabbitMQ

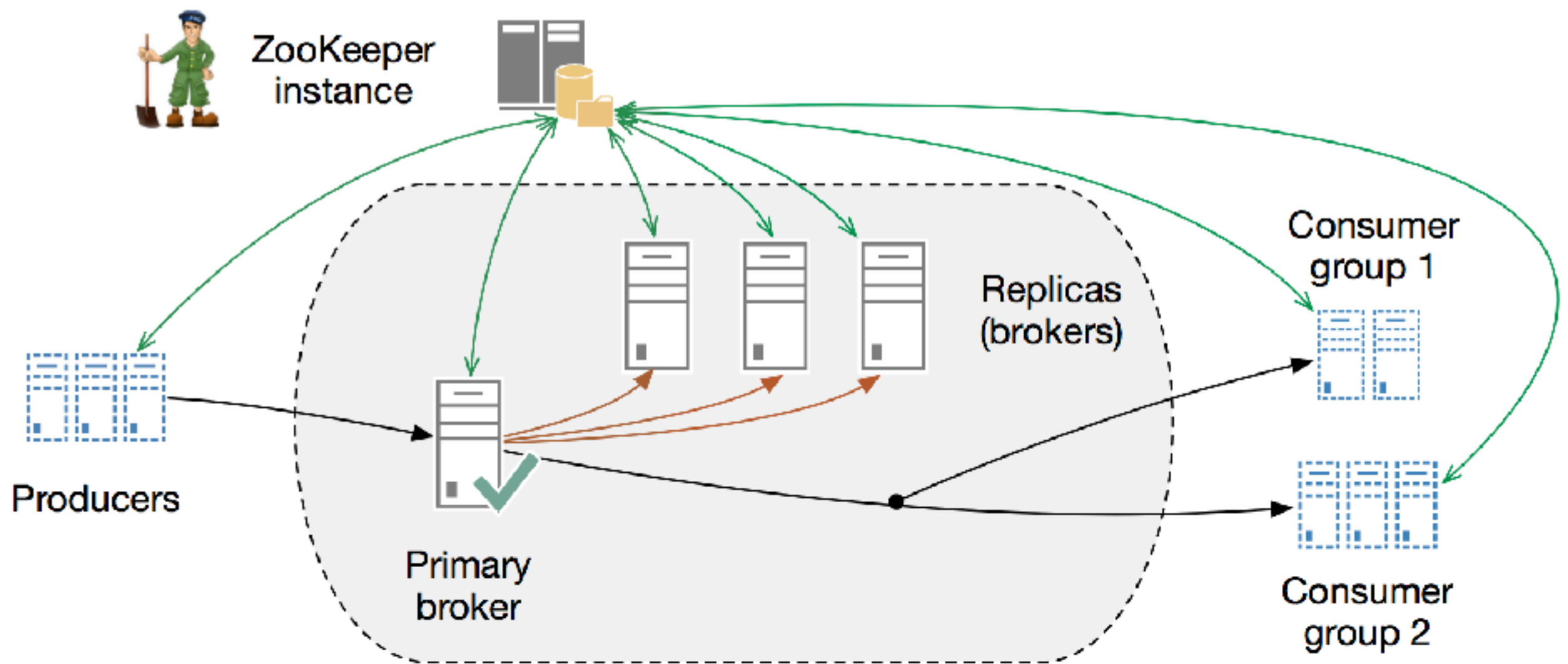




# RabbitMQ

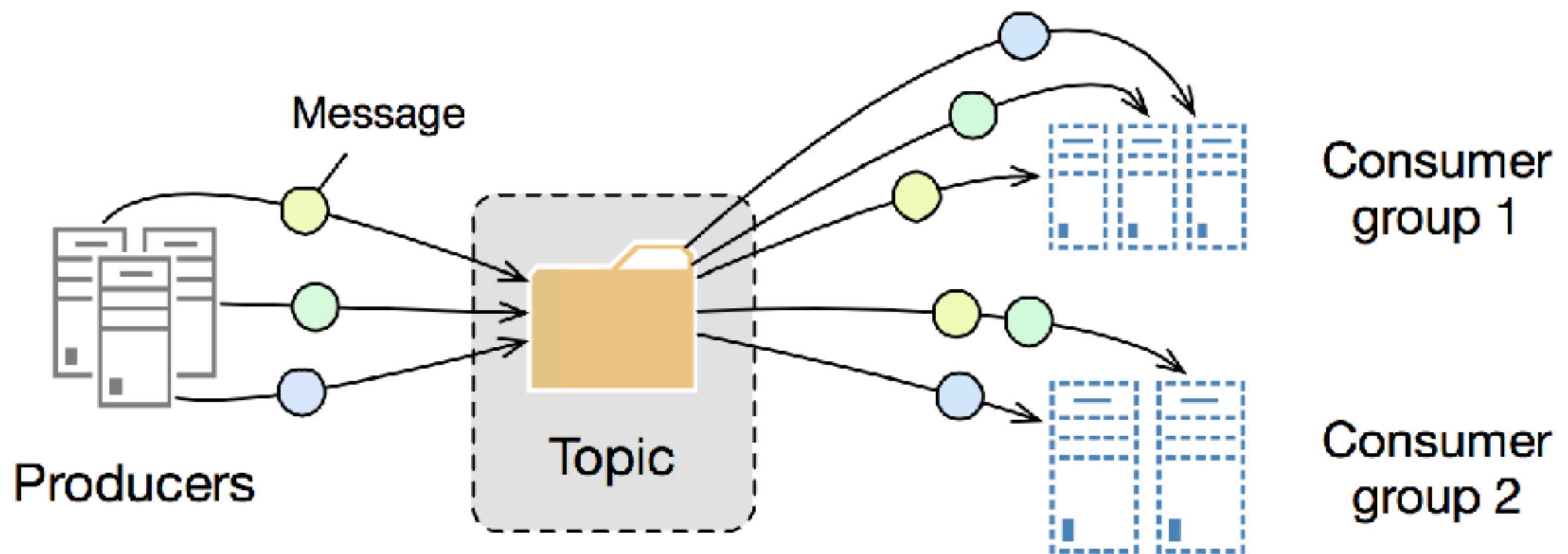


# Kafka





# Kafka





# Mosquitto

- Light weight
- MQTT
- Internet of Things



# Faye

- Bayeux protocol
- HTTP/Websockets
- Pub/Sub

# Departments



A low-angle, close-up shot of a person's legs from the knees down, walking towards the camera. They are wearing light blue denim jeans and red high-top sneakers with white laces and white soles. They are carrying several shopping bags: two on the left (one orange, one dark blue) and three on the right (one green, one yellow, one pink). The background is a blurred city street with yellow and white lights, suggesting a busy urban environment. The word "Retail" is overlaid in the center in a large, white, sans-serif font.

# Retail

# Retail



- RabbitMQ
  - Non-critical messages
- Kafka
  - Allows for replay of events and load balancing




A person's legs and feet are visible on the right side of the image, wearing blue jeans and tan sneakers. They are standing next to a silver laptop on a desk. The laptop is open, and its keyboard is visible. The background is a plain, light-colored wall. The entire image has a dark, semi-transparent overlay.

# Staffing Solutions

# Staffing Solutions

- RabbitMQ
  - for some DB related jobs
  - Flex and Staff
- Kafka
  - Between all applications and microservices
- Faye
  - Between users



An aerial, high-angle view of a multi-lane highway at night. The road is filled with traffic, including cars and large trucks, their headlights and taillights glowing. The surrounding area is dark, with some city lights visible in the distance. The overall scene is dimly lit, emphasizing the artificial lights from the vehicles.

# Identification Systems



# Identification Systems

- Mosquitto
- Proof of concept



# Light Controls



The background is a dark, blurred image of a spiral-bound notebook with a pencil resting on it. The word "Observations" is centered in a large, white, sans-serif font.

# Observations



# Observations

- Not necessary
- Support by SteppingStone
- Change is difficult

# The End

Don't shoot the messenger!