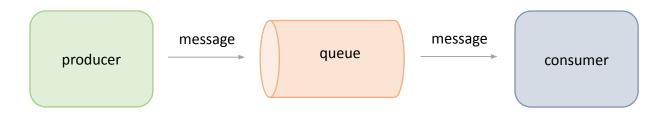
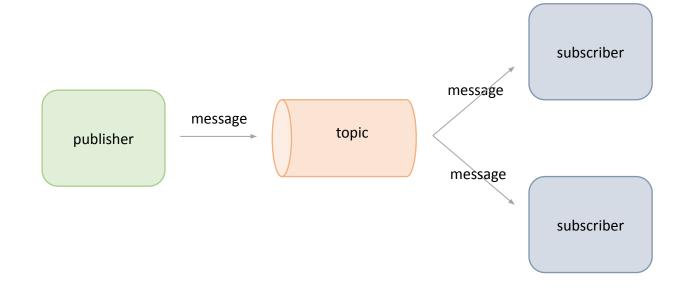
message queuing

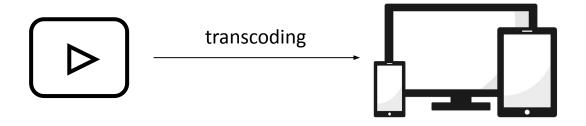
only a single consumer gets the message

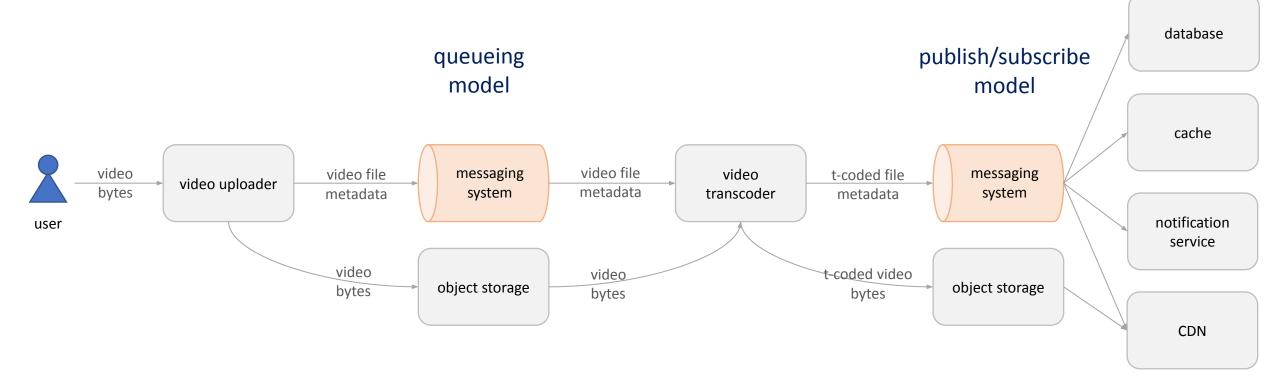


publish/subscribe

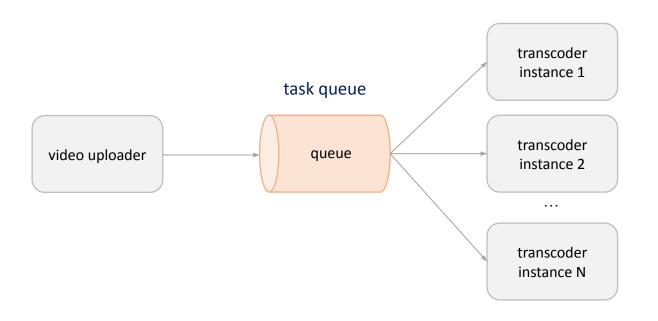
the same message is delivered to all subscribers







competing consumers



scalability

add more instances as the number of messages increases over time

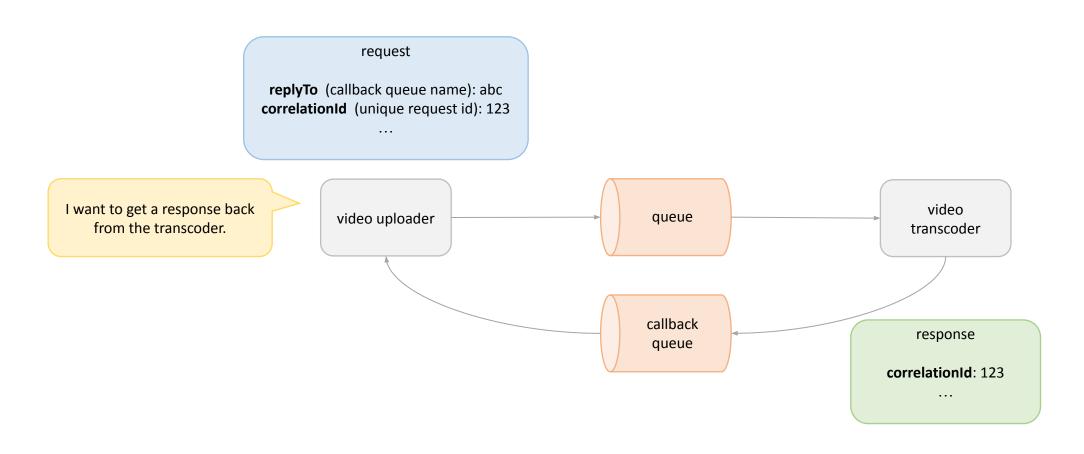
availability

when some instances fail, others continue to process messages

performance

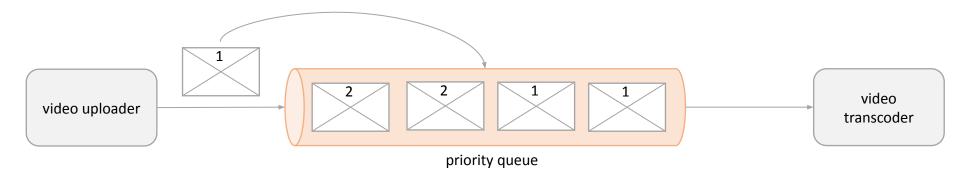
process more messages in parallel by adding more instances

request/response messaging

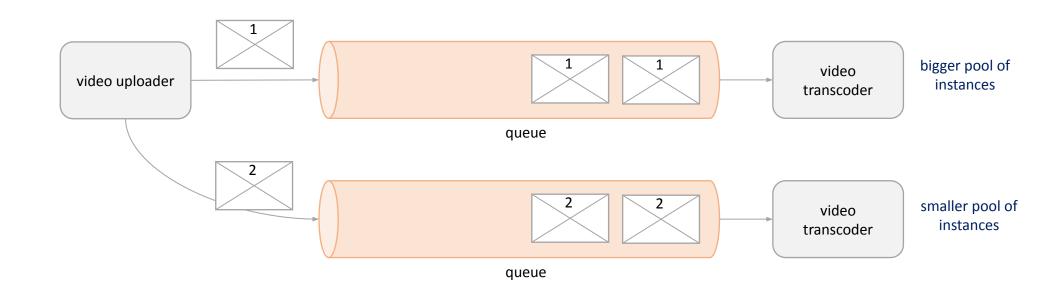


priority queue

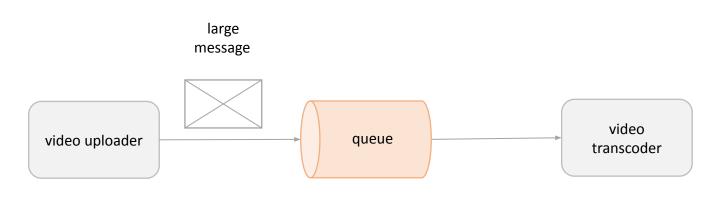
native support



separate queue for each priority



claim check



this is bad because

- messaging systems have limits on message size
- large messages may cause memory and performance issues

