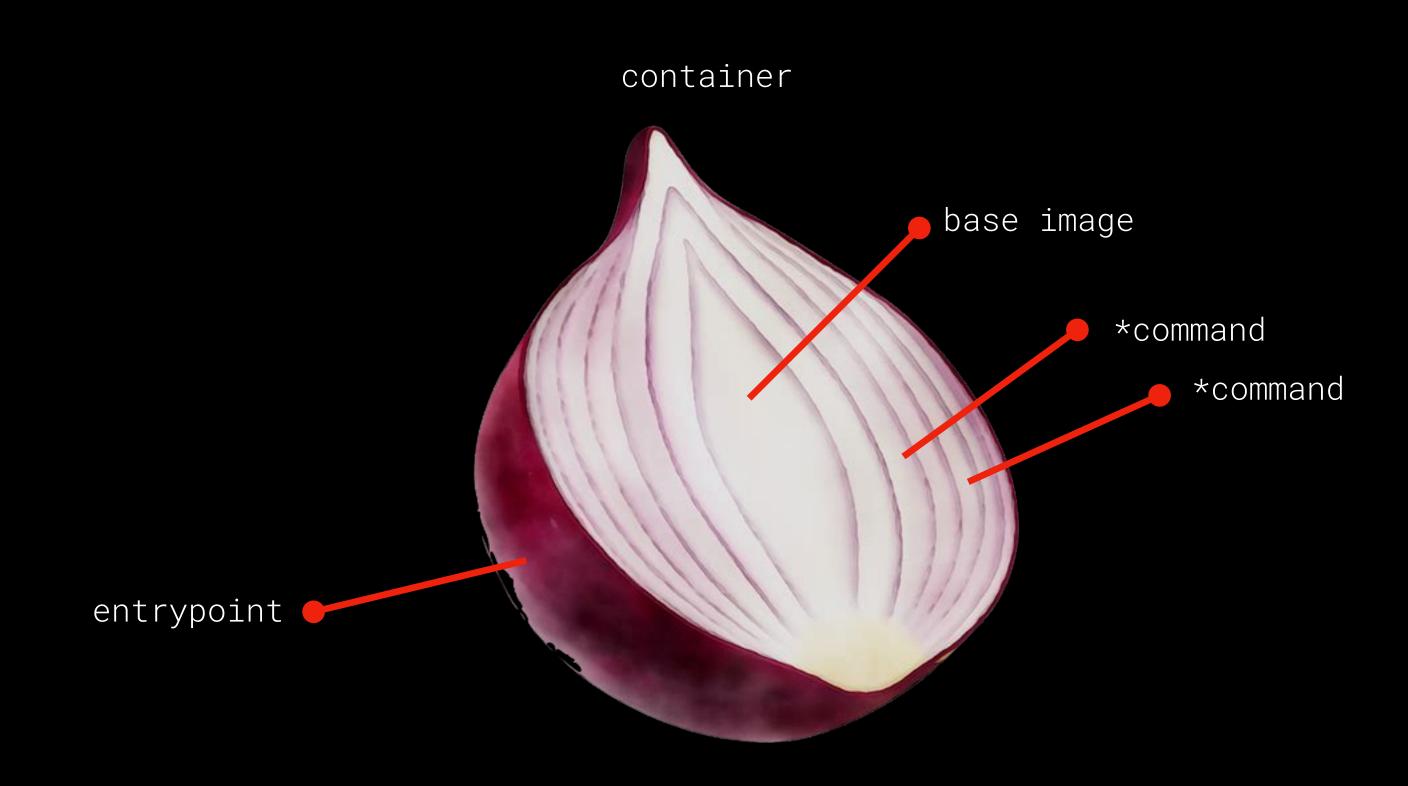
Kafka for fun&profit ding* Async State machi using

on example of building* Async State machine

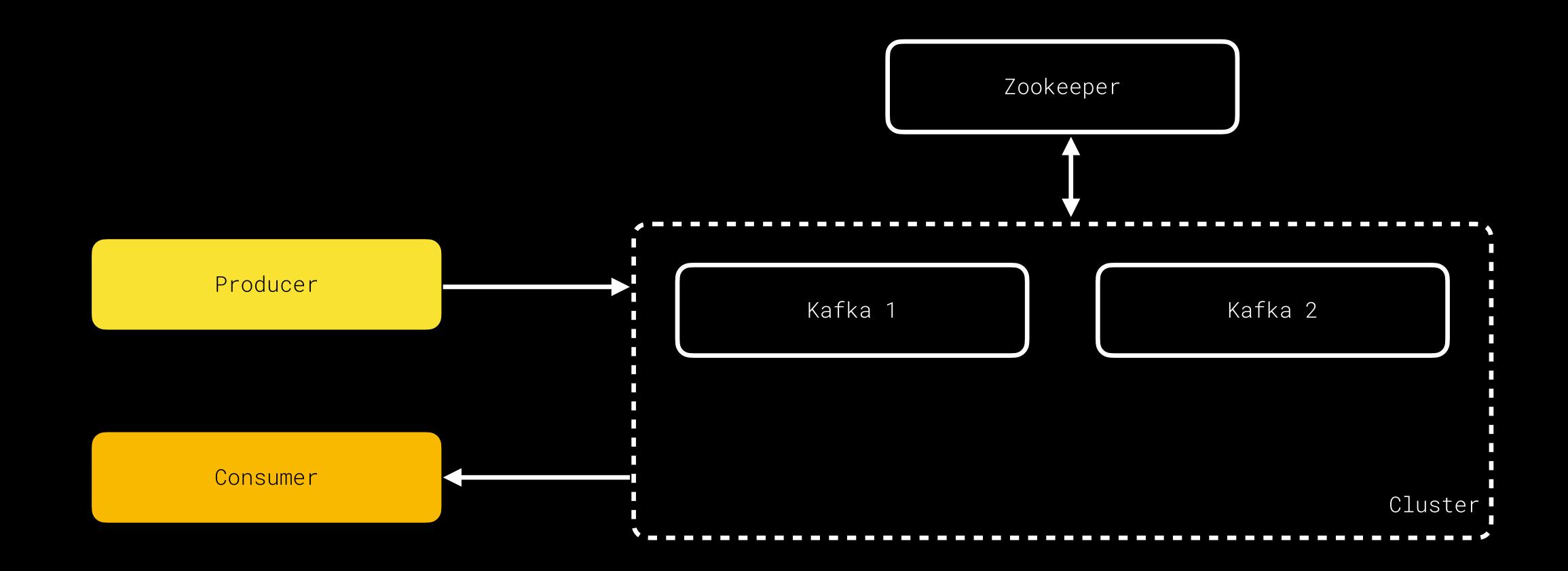
#environment

Creating own image. Kafka cluster



#environment

Creating own image. **Kafka cluster**

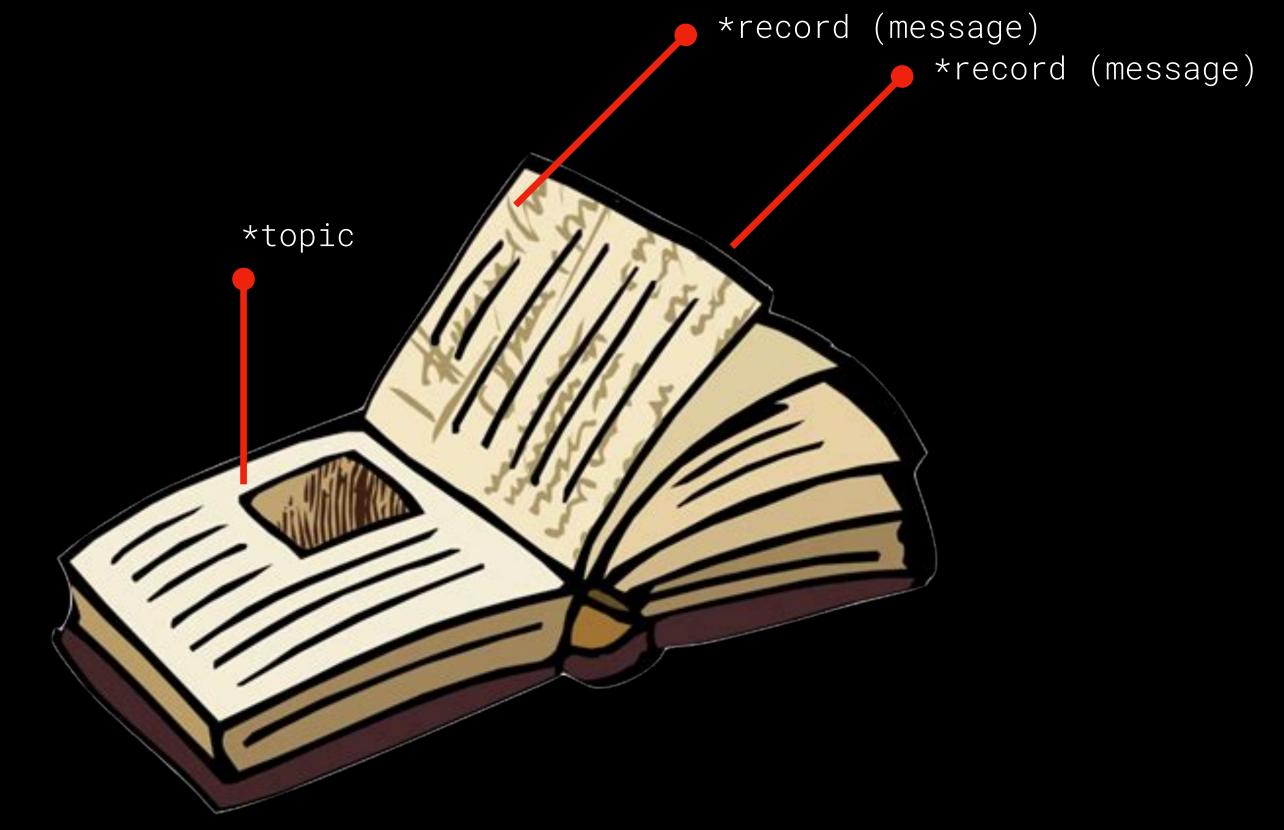


#kafka

Messaging (aka Message Broker)
Stream Processing
Event Sourcing
... metrics, log aggregation, etc

Producer

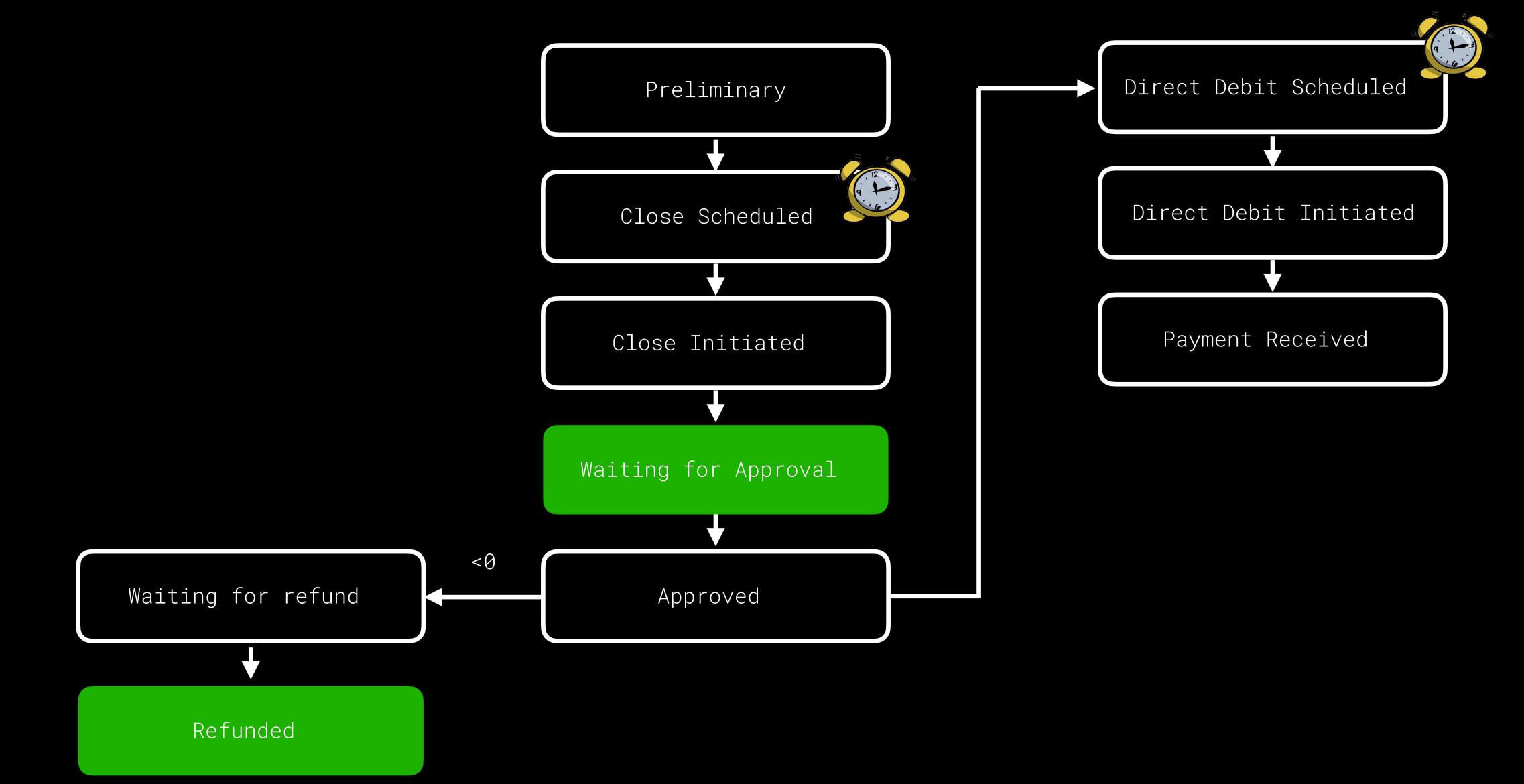
Consumer



#async state machine

```
Fast implementation
Fits in k8s (multiple processors)
Distributed State machine
```

#async state machine statement generation. transaction-clearing &co



#async state machine

implementation details

state machine event handling

state machine event processing

```
return (Statement statement) -> {
    workers.stream().filter(w -> w.isApplicable(statement)).findFirst().flatMap(worker -> worker.process(statement)).ifPresent(statementGenerationHelper::nextStep);
    return MessageProcessingResult.processingSuccess();
```

to run processing from manual step call this method as well



#async state machine

Pros&Cons