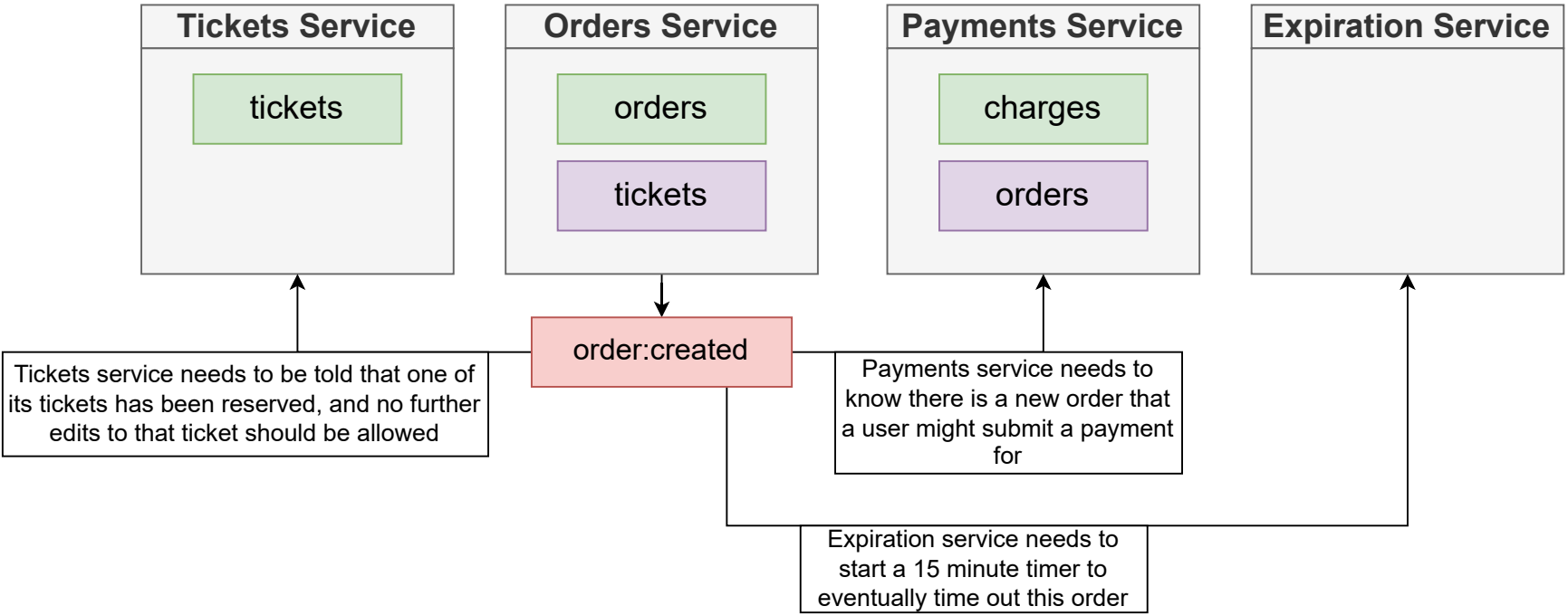
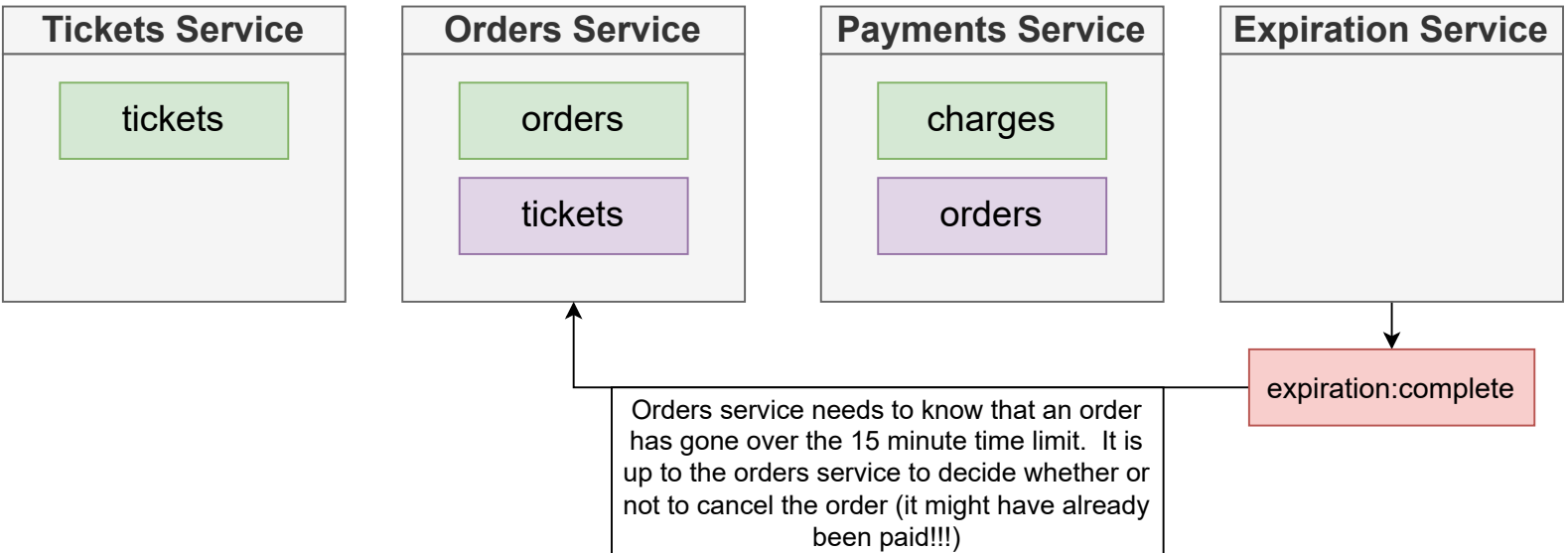
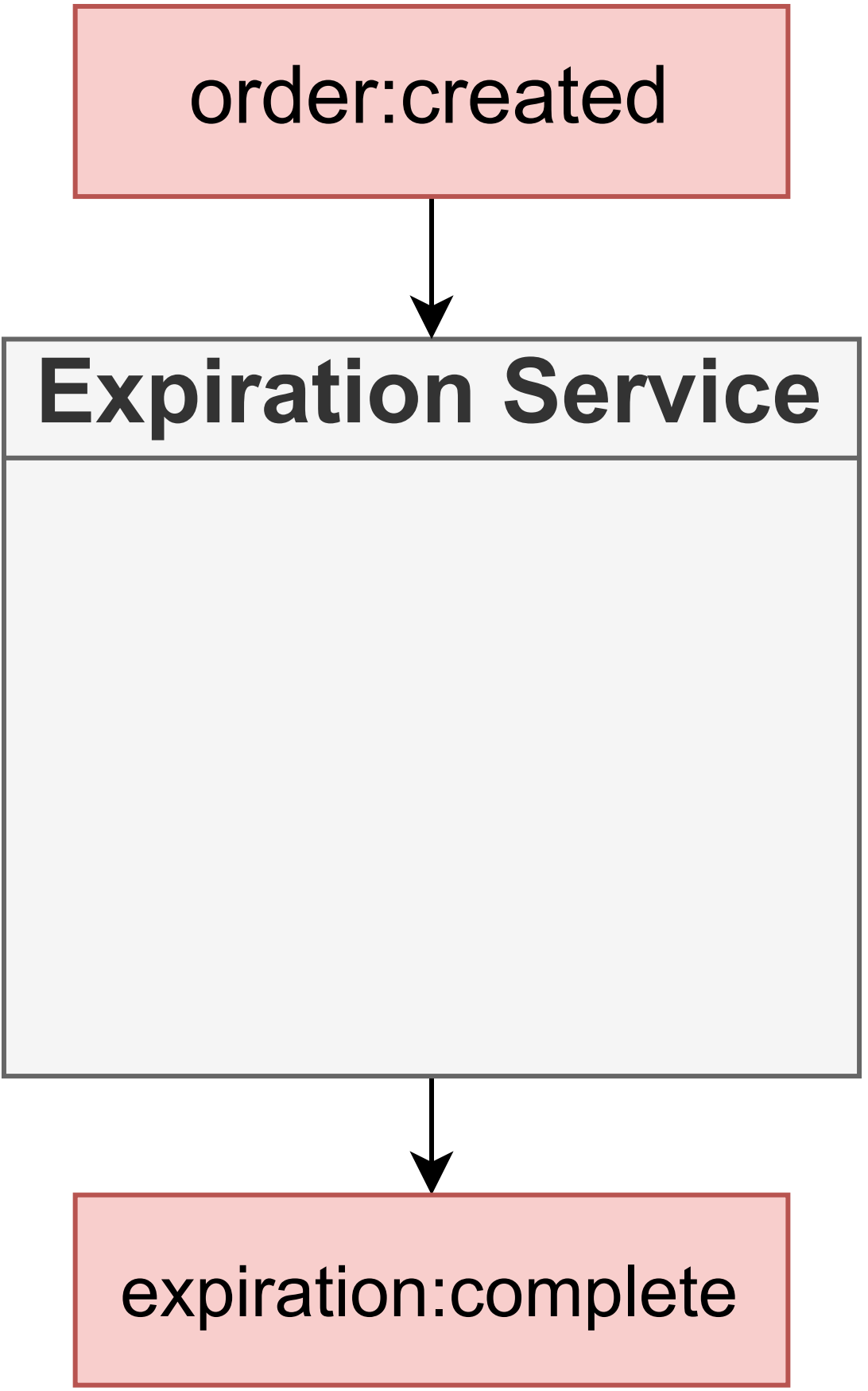
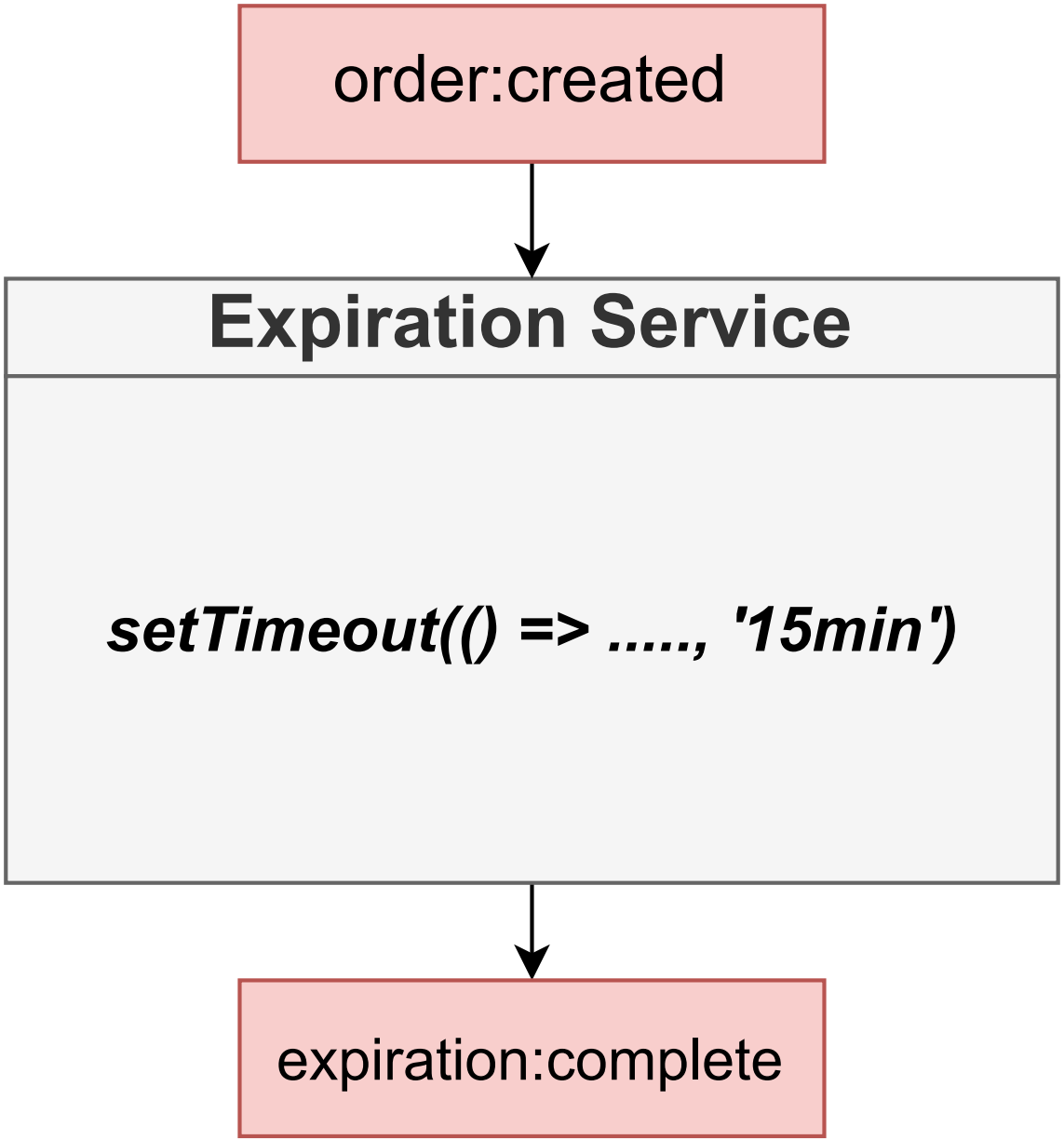
Events Published by Each Service



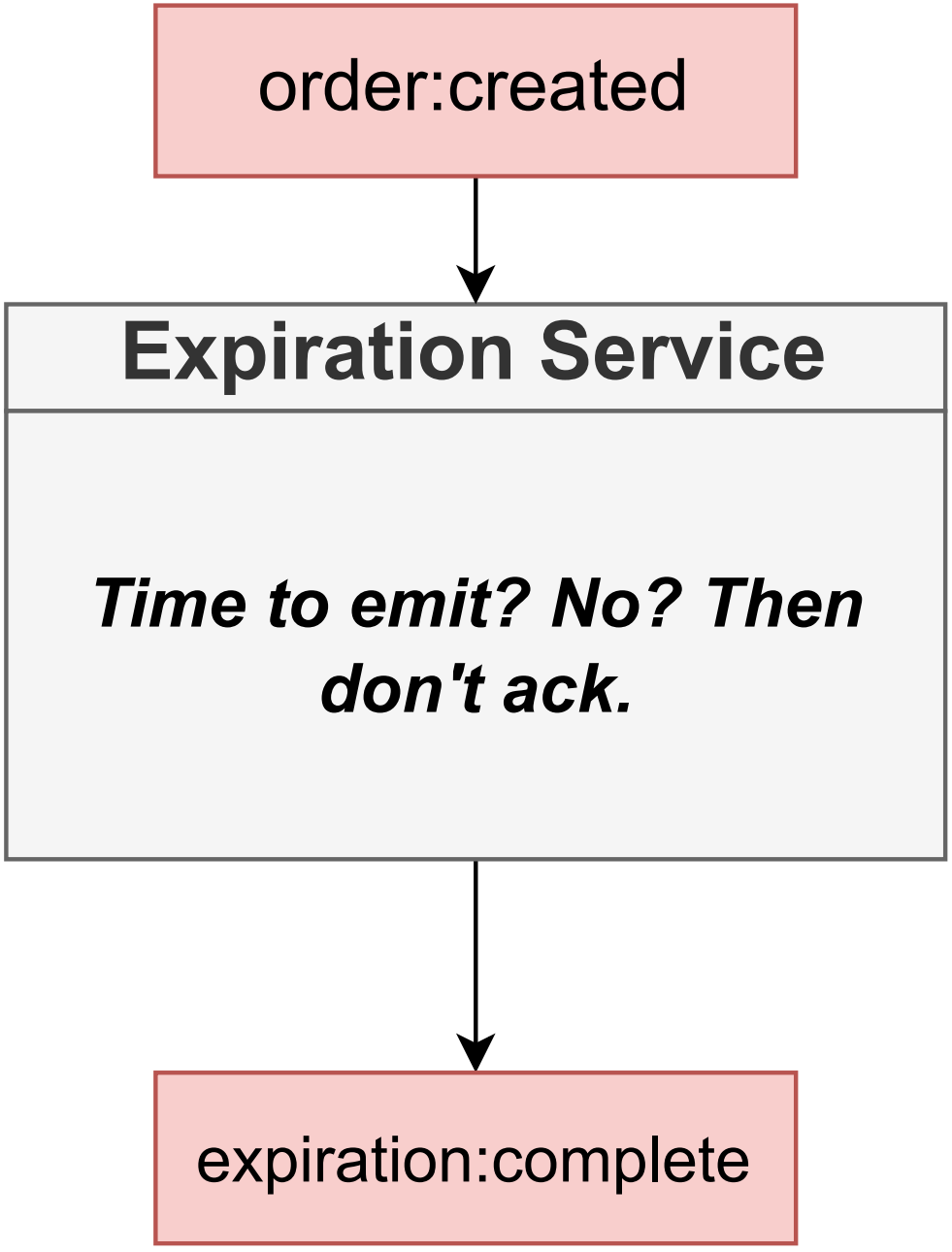
Events Published by Each Service



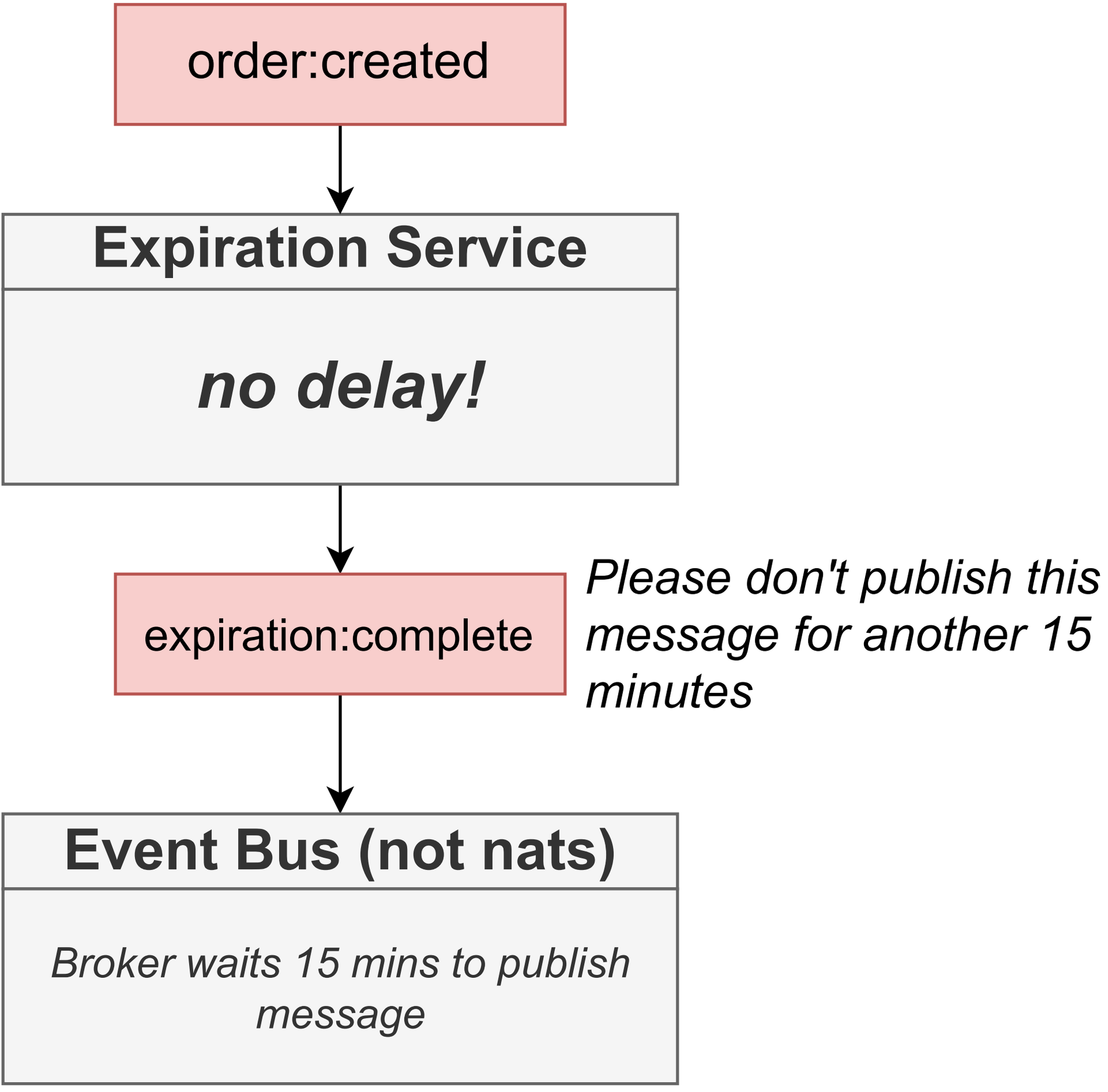

order:created
Expiration Service
expiration:complete

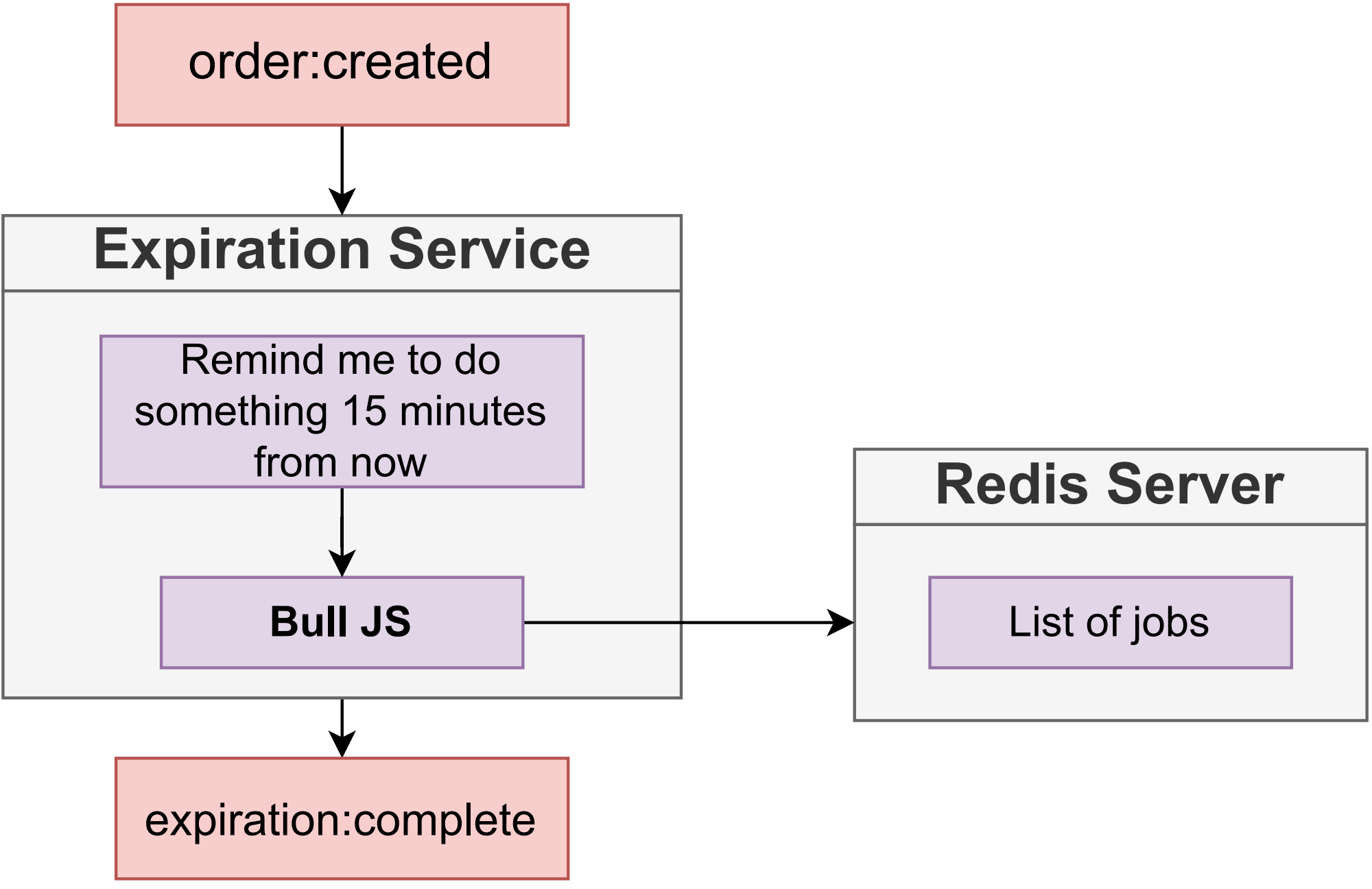


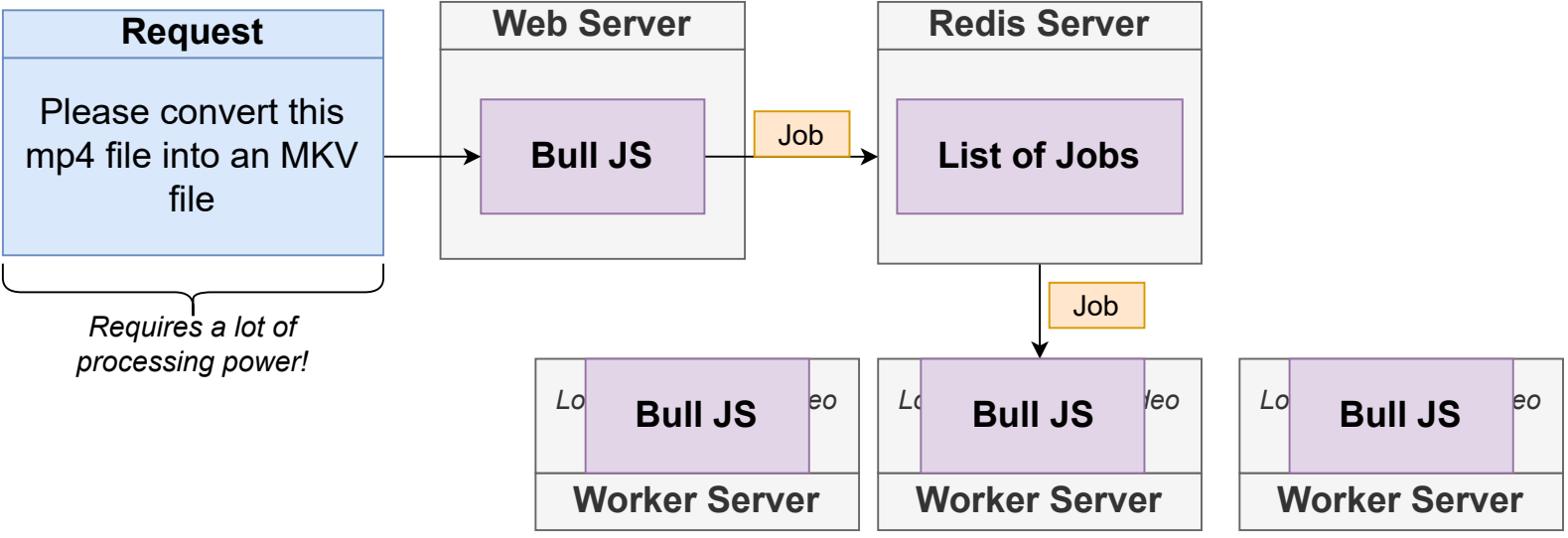
Timer stored in memory.
If service restarts, all timers are lost

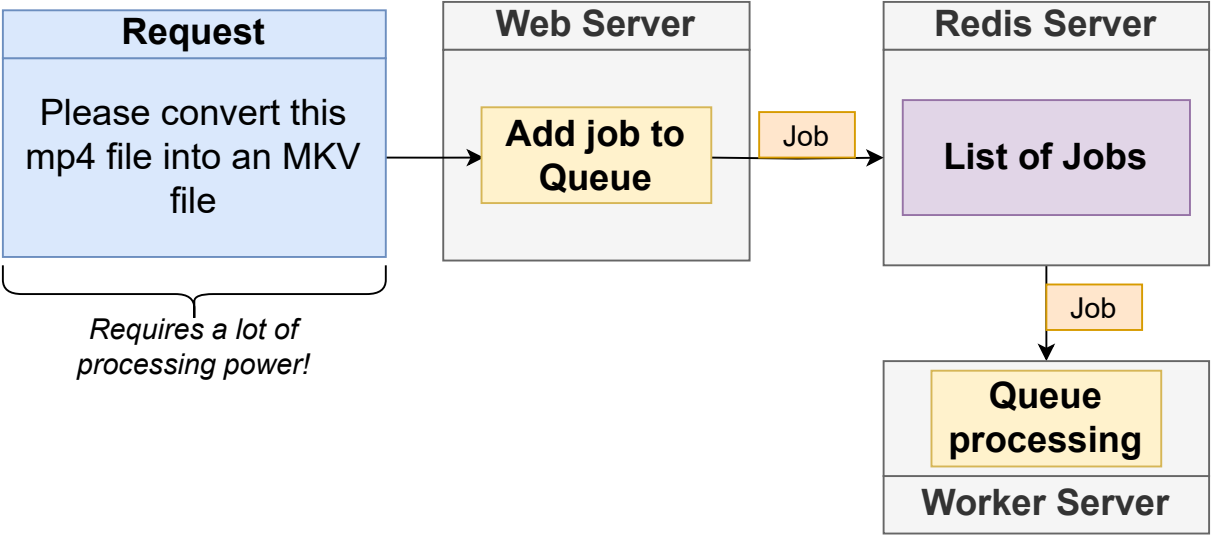


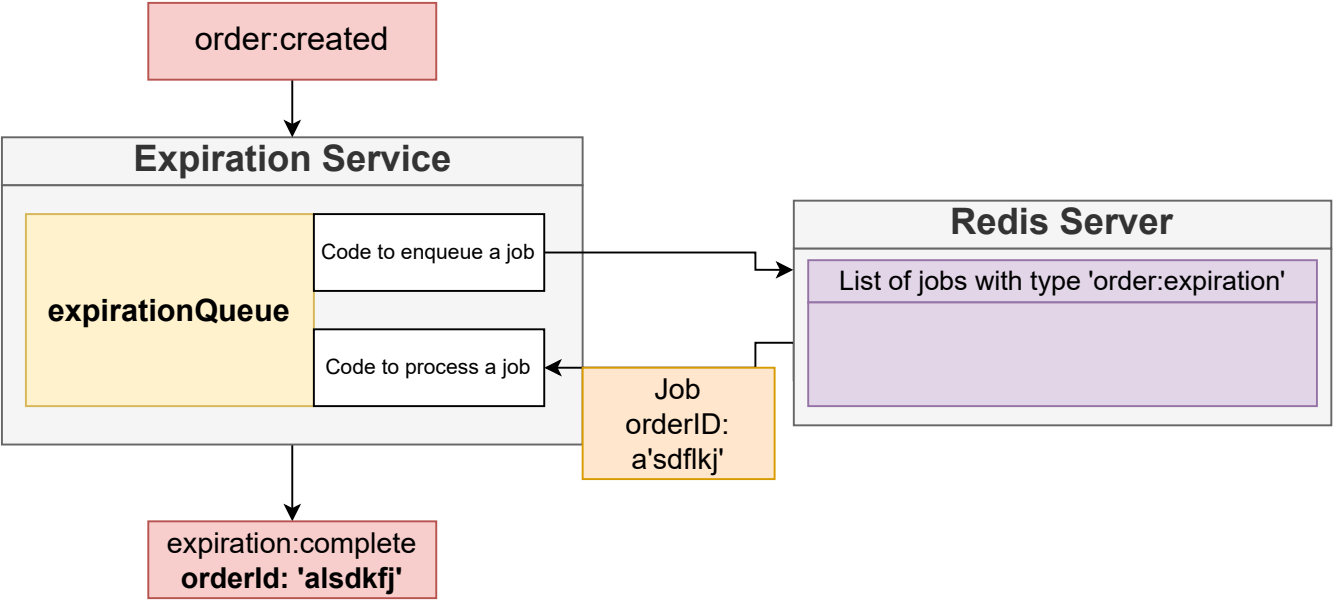
Rely on NATS redelivery mechanism


order:created
Expiration Service
no delay!
expiration:complete
Please don't publish this message for another 15 minutes
Event Bus (not nats)
Broker waits 15 mins to publish message


order:created
Expiration Service
Remind me to do something 15 minutes from now
Bull JS
Redis Server
List of jobs
expiration:complete


Request
Please convert this mp4 file into an MKV file
Requires a lot of processing power!
Web Server
Bull JS
Job
Redis Server
List of Jobs
Job
Bull JS
Worker Server
Bull JS
Worker Server
Bull JS
Worker Server


Request
Please convert this mp4 file into an MKV file
Requires a lot of processing power!
Web Server
Add job to Queue
Job
Redis Server
List of Jobs
Job
Queue processing
Worker Server


order:created
Expiration Service
expirationQueue
Code to enqueue a job
Code to process a job
Redis Server
List of jobs with type 'order:expiration'
Job
orderID:
a'sdflkj'
expiration:complete
orderId: 'alsdkfj'