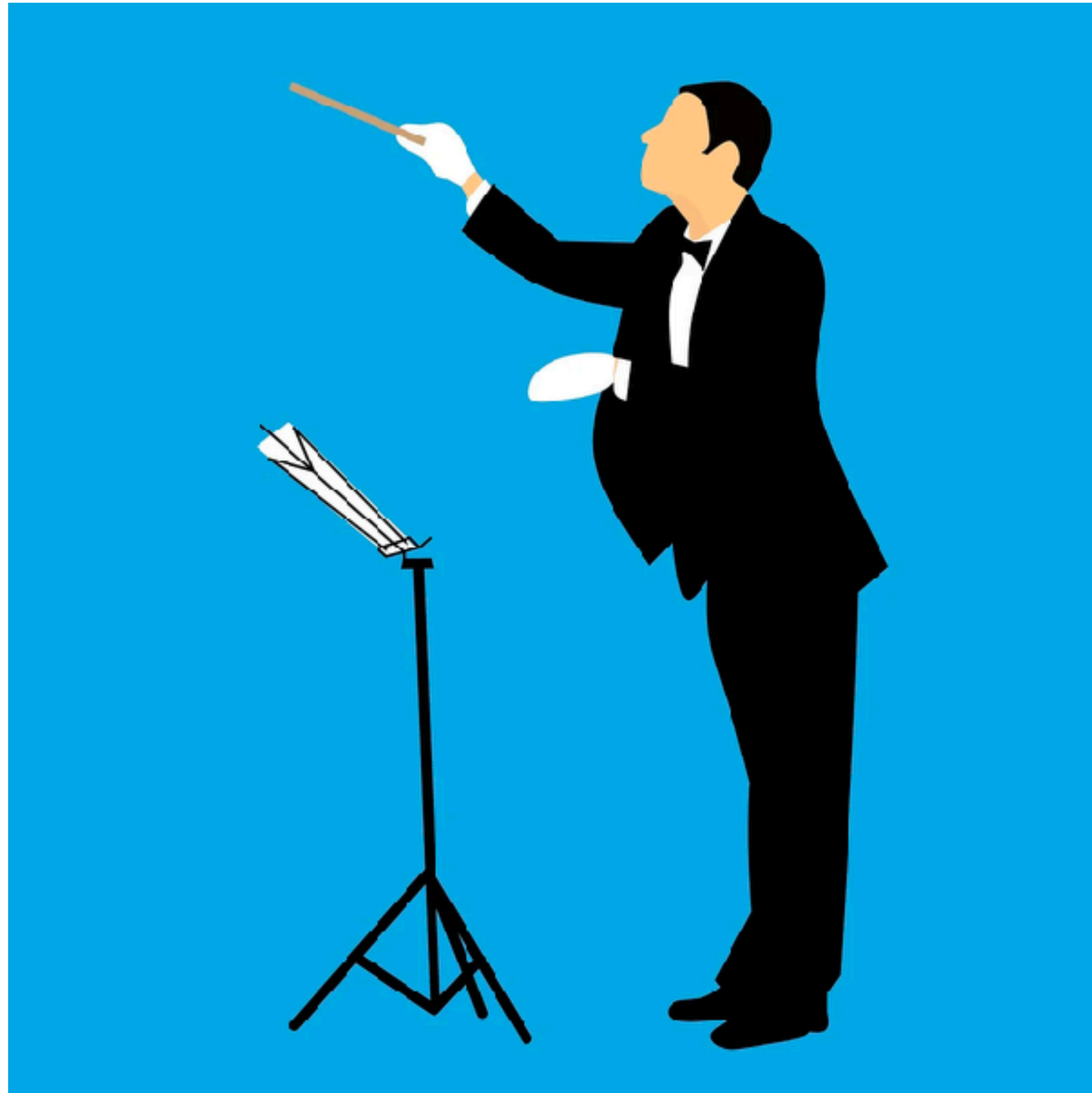
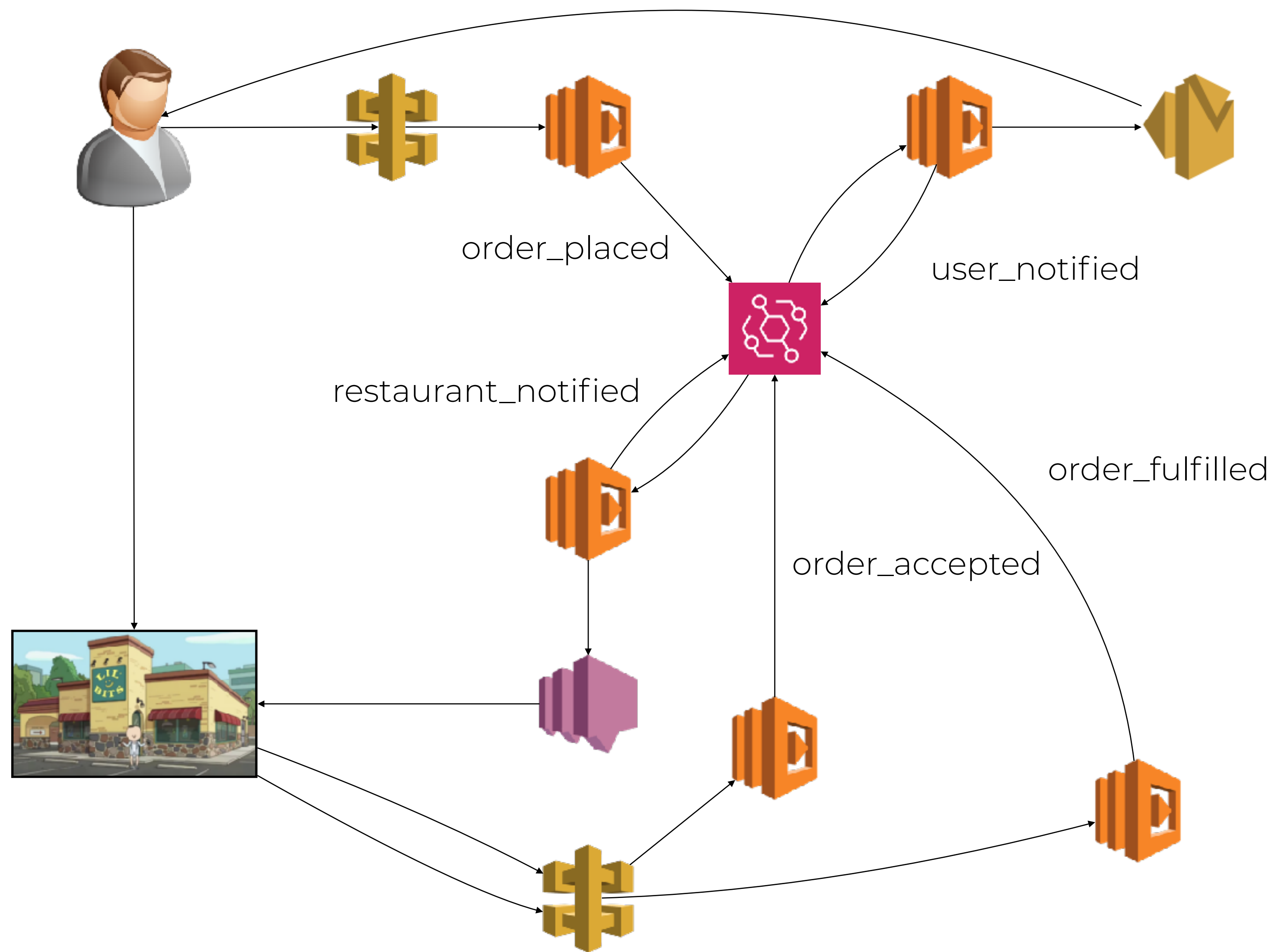


Orchestration



Choreography





Pros

resilience: processes are loosely-coupled

scalability: can scale processes
independently

simplicity: each process only needs to
know its input and output

Cons

Pros

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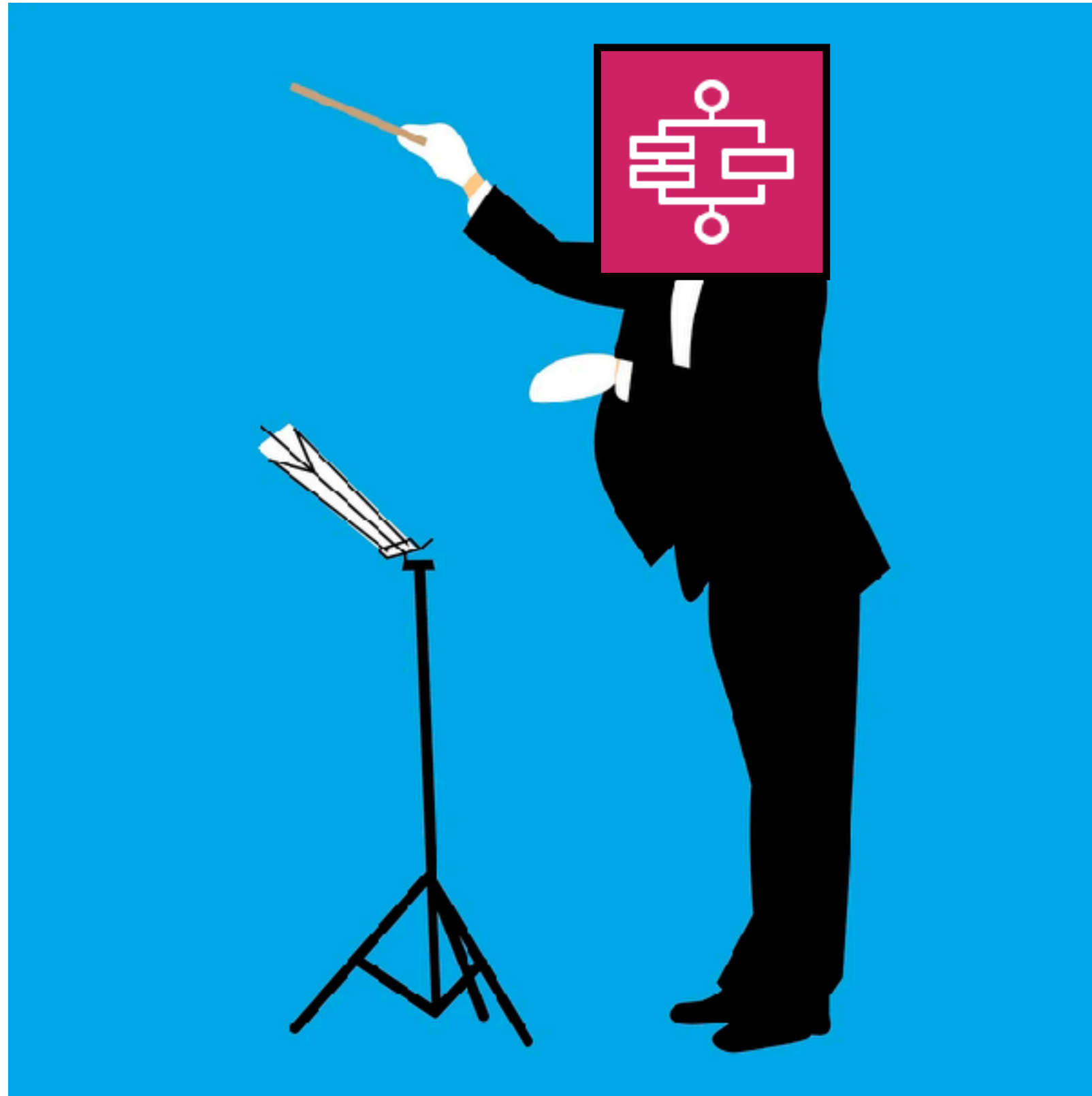
Cons

observability: end-to-end monitoring
and reporting is hard

resilience: error handling, timeouts, etc.
are hard to implement

ownership: are these really separate
processes, or steps within ONE workflow?

Orchestration

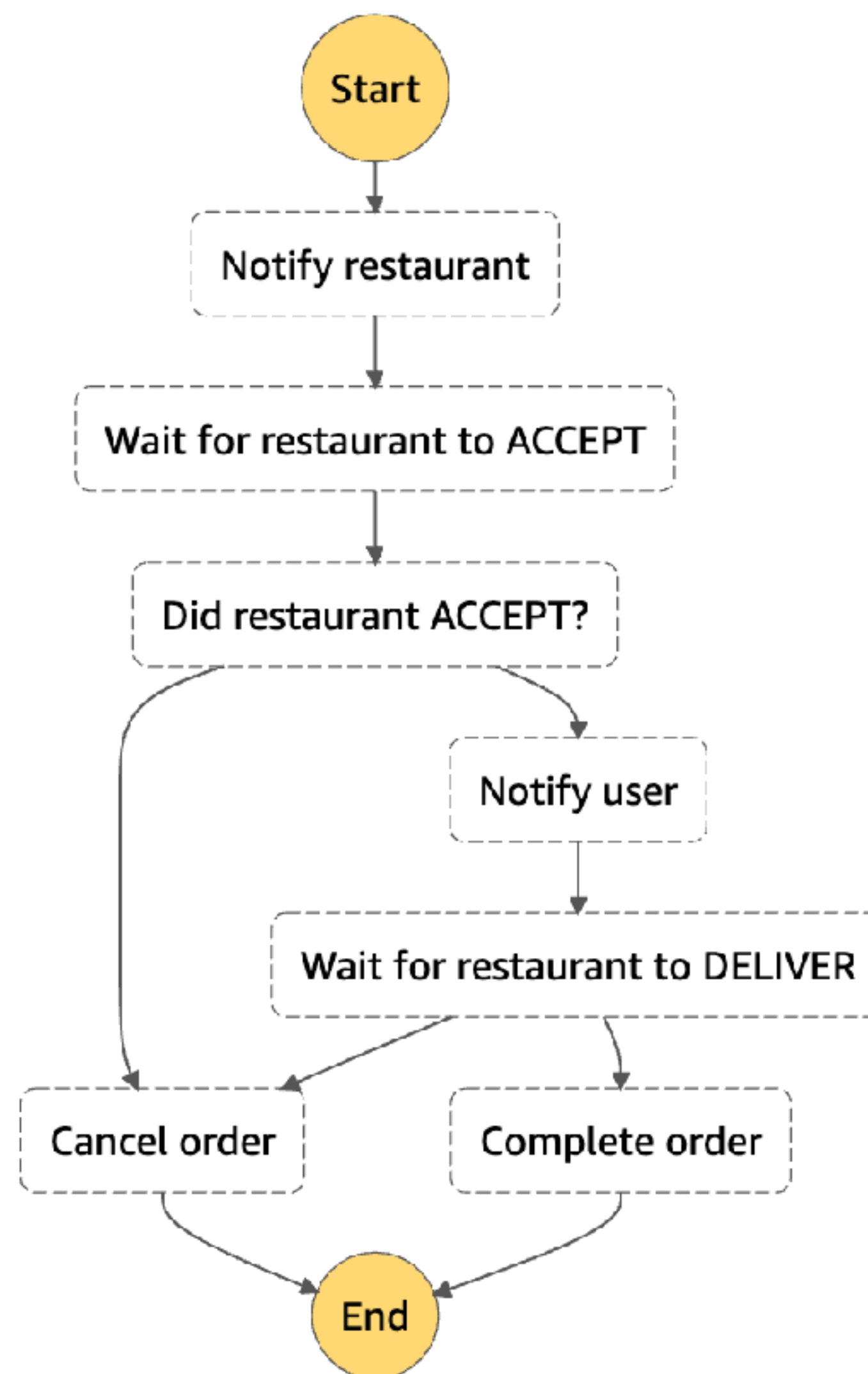


Choreography





Step Functions



Pros

observability: end-to-end monitoring and reporting is easy and provided

resilience: error handling, timeouts, etc. are easy to implement

ownership: workflow is a standalone entity in the system

Cons

Pros

observability: end-to-end monitoring and reporting is easy and provided

resilience: error handling, timeouts, etc. are easy to implement

ownership: workflow is a standalone entity in the system

Cons

complexity: have to learn yet another AWS service

cost: Step Function is kinda expensive (but justified in this case)

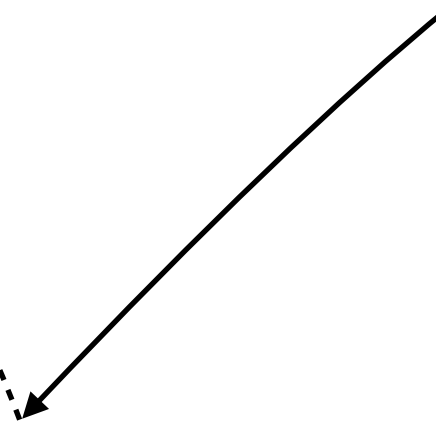
scalability: Standard Workflows has regional limits on transitions/s [soft limit]

Rule of Thumb

orchestration within a bounded-context

choreography between bounded-contexts

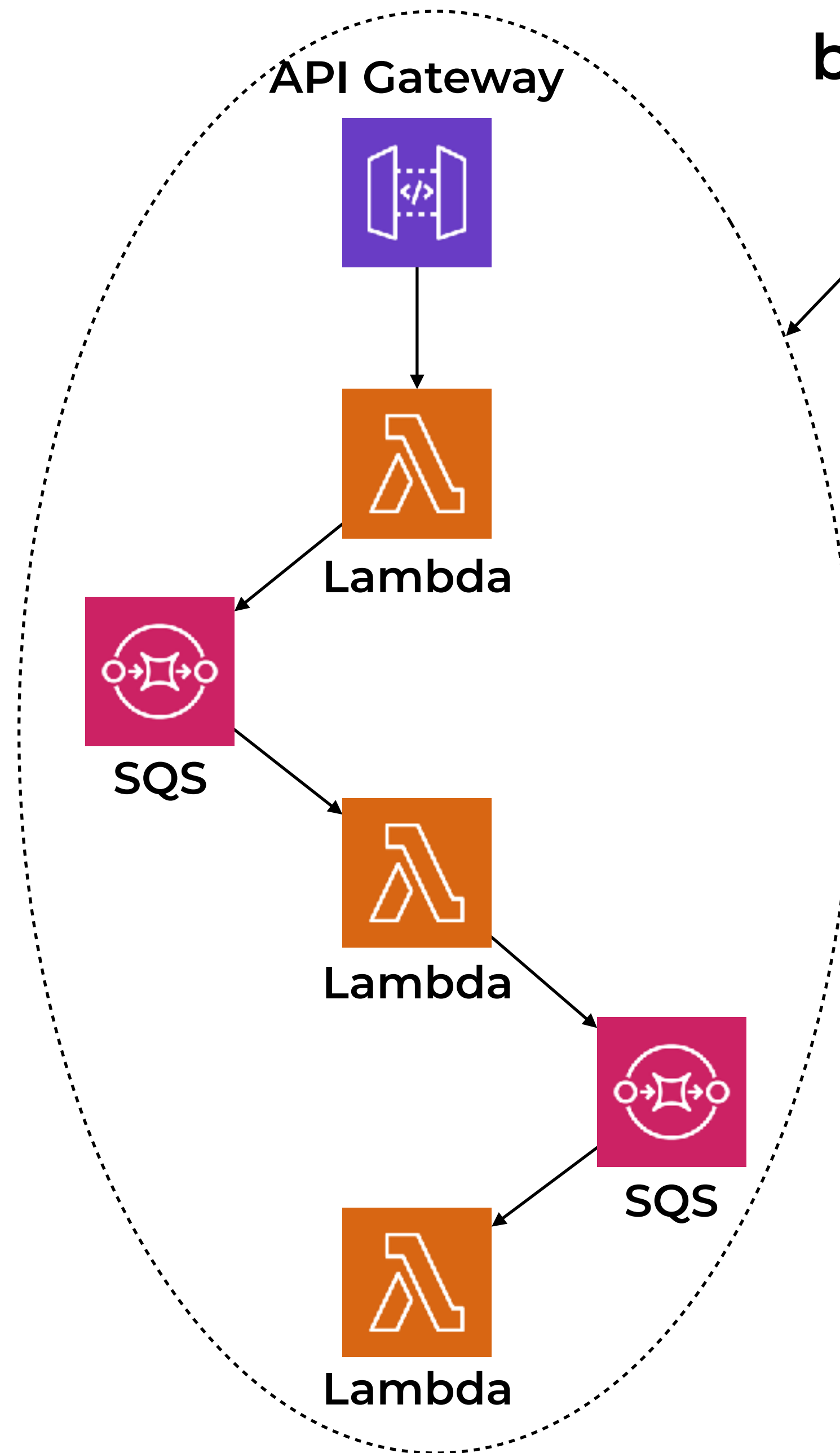
bounded context



fits within my head

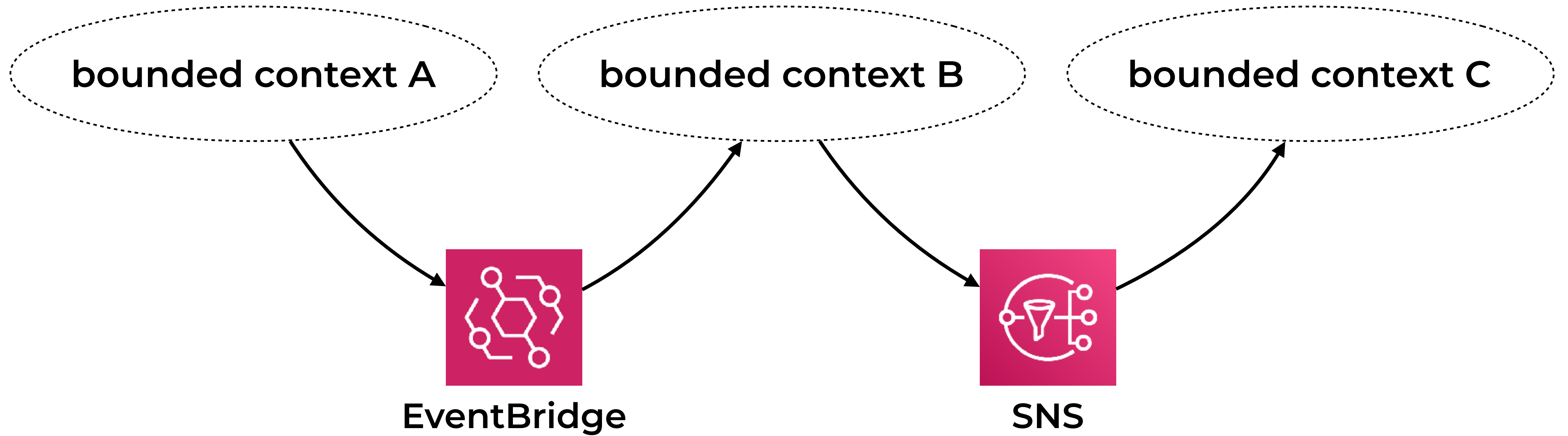
high cohesion

same ownership



bounded context

the workflow doesn't exist
as a standalone concept,
but as the sum of a series of
loosely connected parts



5 REASONS WHY YOU SHOULD USE EVENTBRIDGE INSTEAD OF SNS

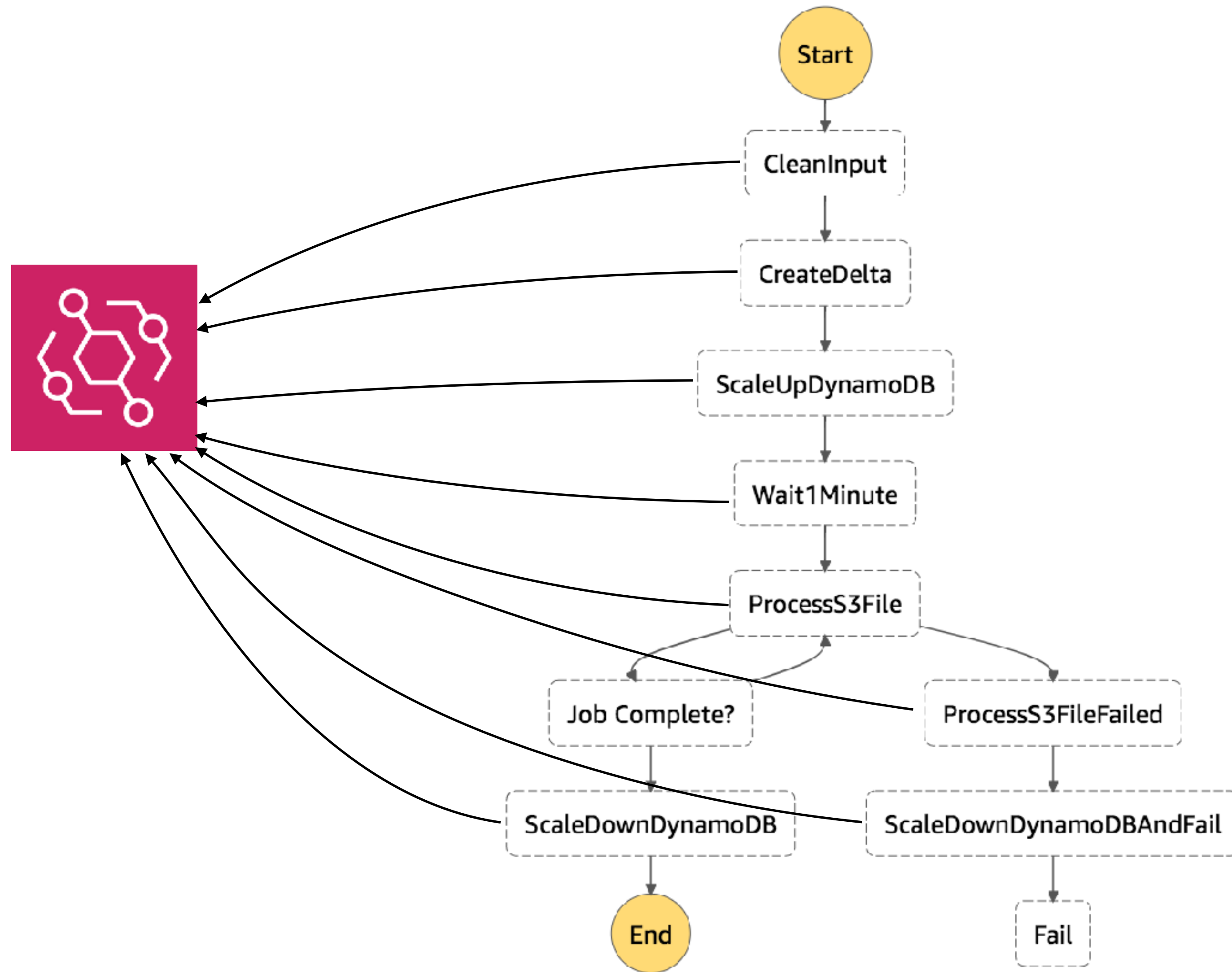


SNS and SQS have been the goto options for AWS developers when it comes to service integration. However, since its (much needed!) rebranding, **EventBridge** (formerly CloudWatch Events) has become a popular alternative.

If you're still on the fence, then allow me to give you **5 reasons why you should consider using EventBridge instead of SNS**.

<https://lumigo.io/blog/5-reasons-why-you-should-use-eventbridge-instead-of-sns>

don't forget to
emit events from
the workflow



Rule of Thumb

orchestration within a bounded-context

choreography between bounded-contexts