


$\longleftrightarrow$  = Event Queue

 = Multiple instances of service.

$|||$  = DB connection

- NGINX gateway will forward client requests to respective gateway services.
- Gateway services don't serve any purpose. They simply just put messages into an asynchronous event queue.
- SAGA orchestrator utilised for the /checkout operation.
- Messages propagated between services might be easier to achieve by routing them directly to the service instead of the gateway.
- Retry logic for service failure first needs to be implemented manually, and then we can swap it out entirely with RabbitMQ. This includes terminating with a timeout.
- All service endpoints need to be asynchronous.
- Retry/timeout logic on the service needs to be implemented in case of total DB failure.
- Each service will have a cluster of 3 Redis nodes.
  - Bunch of Redis options we have to configure for consistency