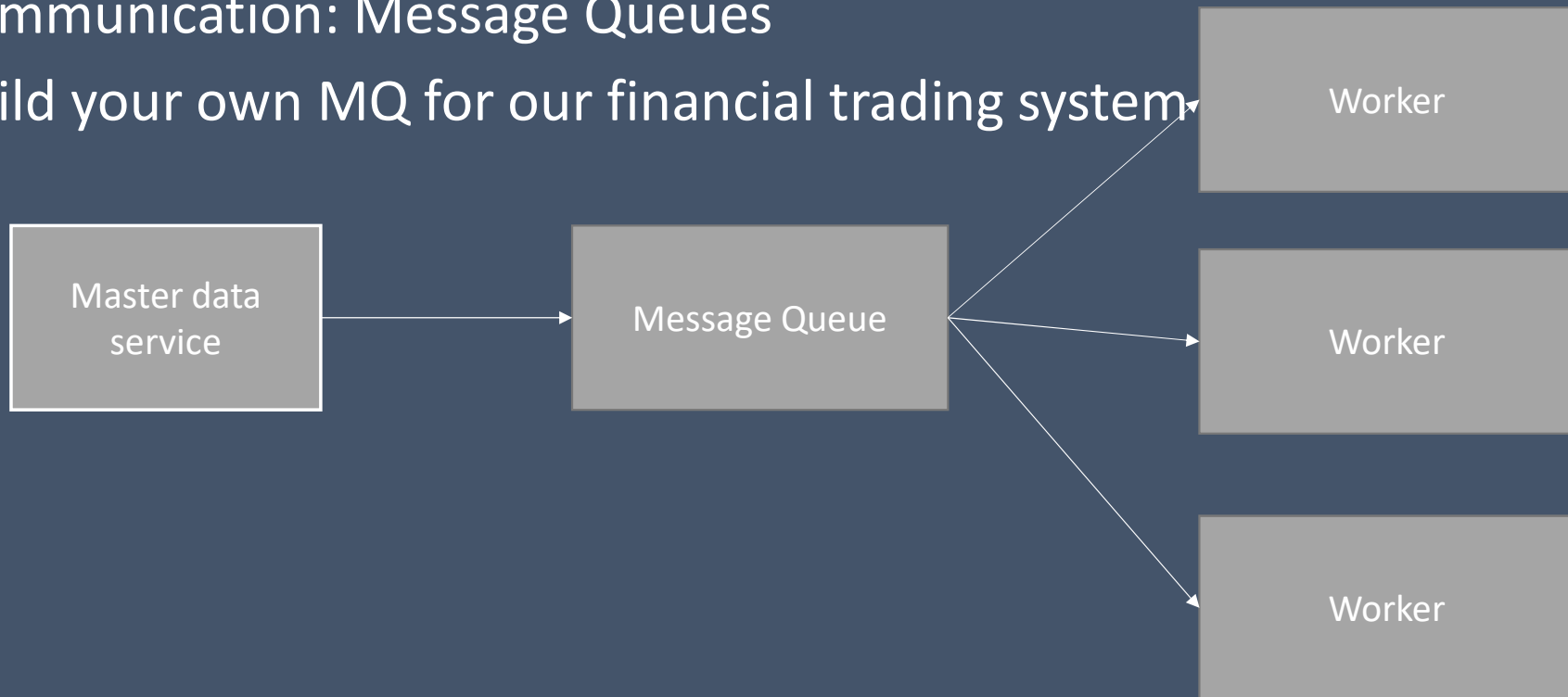


Assignment 3

- Communication: Message Queues
- Build your own MQ for our financial trading system



Assignment 3

- Message queue will maintain at least 2 queues
 - Jobs
 - Results
- Master data service sends jobs to queue. Workers take jobs from the queue
- Workers send results to queue when done. Master data service pulls results from queue.
- Endpoint for creating/deleting/listing queues

Assignment 3

- Due date: 16/05
- 15 points
- Some requirements:
 - The queue will support an arbitrary number of processes that can consume or append new messages.
 - The service will have a maximum number of messages per queue that can be configured using a configuration file.
 - The service will gracefully handle any possible error condition (like queue non-existent, empty queue, queue too long, etc.).
 - The service will write its queues to a persistent storage from time to time (time to persist can be configured using the configuration file). If the service is restarted, it will restore its state from the persistent storage.