List of checks for rabbitmq setup completion

- [ ] service with LimitNOFILE=65536

- [ ] kernel tweaks

- [ ] fs.file-max 65535

- [ ] net.ipv4.tcp_max_syn_backlog 2048

- [ ] net.core.somaxcon 2048

- setup rabbitmq-env

- setup rabbitmq-conf

- ELB setup, verify it works

- cluster setup

- external IOPS setup on /data (or if changed, to match rabbitmq config)

- Run script to create exchanges and queues for instant email (remember to change the `<pwd>` for the real password!)

```
sudo rabbitmqadmin declare exchange -V rabbit name=ore.imp.fetch_headers type=

for i in $(seq 8); do sudo rabbitmqadmin declare queue -V rabbit name=ore.imp.

for i in $(seq 8); do sudo rabbitmqadmin declare binding -V rabbit source=ore.
```

```
sudo rabbitmqadmin declare exchange -V rabbit name=ore.imp.fetch_email type=x-

for i in $(seq 8); do sudo rabbitmqadmin declare queue -V rabbit name=ore.imp.

for i in $(seq 8); do sudo rabbitmqadmin declare binding -V rabbit source=ore.
```

- Setup mhall, alejandro and tomas users for rabbitmq

```
sudo rabbitmqctl add_user tomas changemepls123
sudo rabbitmqctl set_user_tags tomas administrator
sudo rabbitmqctl set_permissions -p rabbit tomas "\.*" "\.*" "\.*"
sudo rabbitmqctl add_user alejandro changemepls123
sudo rabbitmqctl set_user_tags alejandro administrator
sudo rabbitmqctl set_permissions -p rabbit alejandro "\.*" "\.*" "\.*"
sudo rabbitmqctl add_user bryanchapel changemepls123
sudo rabbitmqctl set_user_tags bryanchapel administrator
sudo rabbitmqctl set_permissions -p rabbit bryanchapel "\.*" "\.*" "\.*"
sudo rabbitmqctl add_user matthewhall changemepls123
sudo rabbitmqctl set_user_tags matthewhall administrator
sudo rabbitmqctl set_permissions -p rabbit matthewhall "\.*" "\.*" "\.*"
```

Jenkins

- Verify all worker applications are properly deployed

```
# Wizzy (We won't point production load to it,
# but it would be great to have an
# endpoint and test in the meantime)
- wizzy

# Worker
- capture-cpu-worker
- capture-io-worker
- celery-beat <- *THIS SHOULD NOT BE DEPLOYED YET*
- imp-cpu-worker
- imp-shard1-io-worker
- imp-shard2-io-worker
- imp-shard3-io-worker
- imp-shard4-io-worker
- imp-shard5-io-worker
- imp-shard6-io-worker
- imp-shard7-io-worker
- imp-shard8-io-worker
```

```
- imp-top-io-worker
- slice-cpu-worker
- slice-io-worker


# AMQP
- amqp-gw
```

Github

Github deployment when master/qa push
OR
a one button to do all steps (docker image build + helm deploy)

Access

Have production kubernetes access setup for Tomas with devops role and Alejandro and Matt with developer role so there is access to connect to pods via `kubectl exec`

Verify pods have access to:

```
* Redis
* PostgreSQL
* rabbitmq (in it's own VPC)
```