User

action

biomaj

Biomaj-download
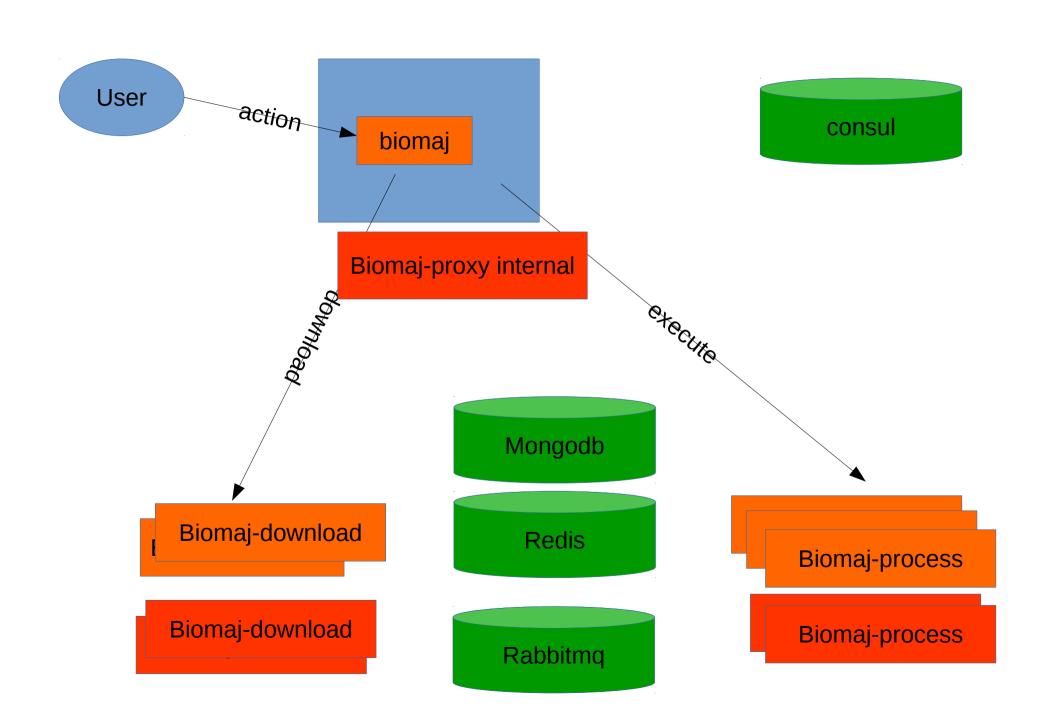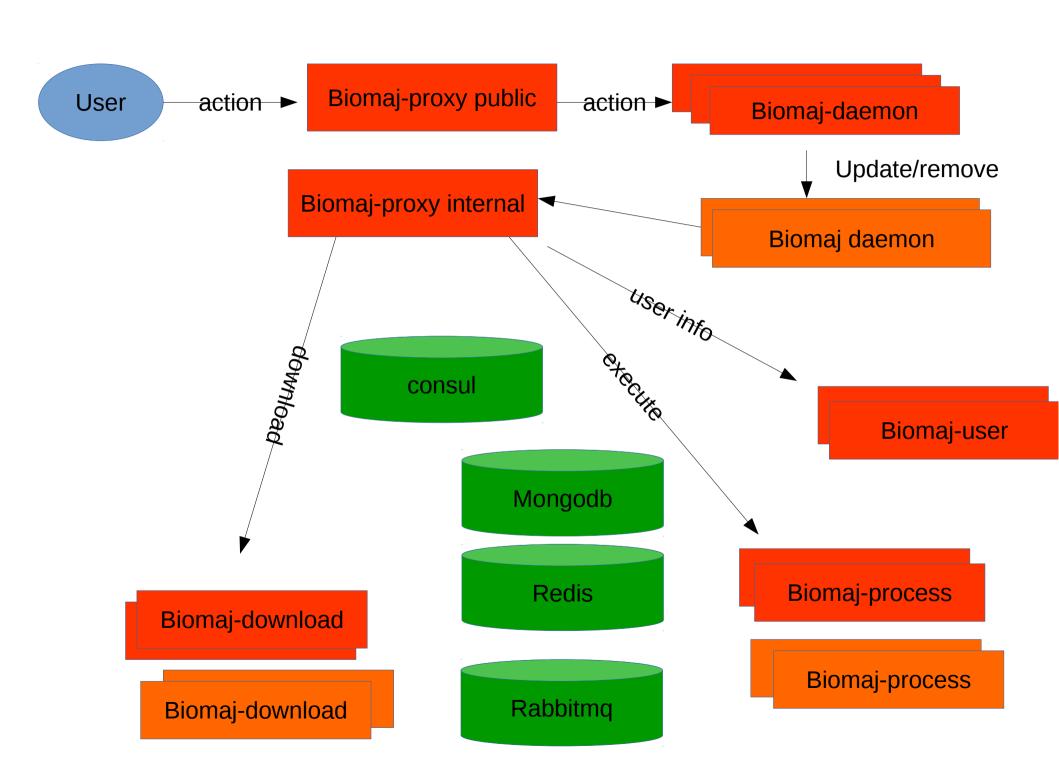
Biomaj-process

Threads

Mongodb

Docker cluster

- Create a Docker network (eg biomaj)

- Launch base services in network with persistence (warning: rabbitmq needs a user to be created or remote access to guest must be set)

  – Docker run –network biomaj –name biomaj-X ..., with X=service to deploy, for services mongodb, redis, consul, rabbitmq.

- Launch biomaj services in network with presistence of /db directory

  – /db in container will map a local host directory containing biomaj config and data structure: (/db/biomaj/conf, /db/biomaj/lock, …. and /db/data for databases)

  – Open port for public biomaj proxy to enable user access

Biomaj services

docker run –network biomaj –name biomaj-user biomaj-user-web

docker run –network biomaj –name biomaj-download1 –env "BIOMAJ_AGENT_NAME=biomajdownload1" biomaj-download-web

Questions/Ideas

- Scaling of instances, how to get unique name for consul ?

- In config.yml use defined host names (biomaj-consul, etc…), possibly overriden by env vars