

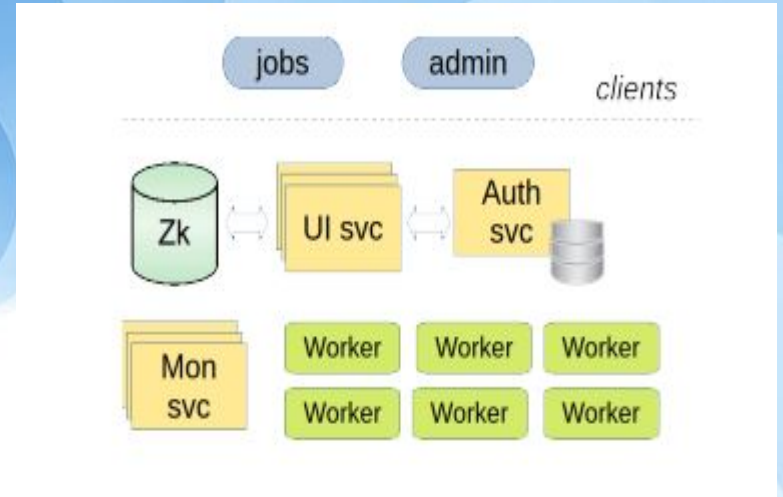
Αρχές κατανεμημένων συστημάτων λογισμικού

Μέλη ομάδας:

Καπενεκάκης Πέτρος 2018030034
Κρατημένος Μιχάλης 2018030104
Λαμπρινίδης Γιάννης 2018030075
Πιπεράκης Γιώργος 2018030012

Structure

- ZooKeeper
- Mysql Database
- Authentication Service
- CLI (Client/Admin)
- Monitor
- Workers



Systems Utilised

- Docker, Docker-Machine
- Bash Scripts
- Java, Zookeeper API
- Javascript/Node.js

Frontend

Node.js

- 1 MySQL Database to store User Data
- Authentication Service
- CLI

Rest API to access the app

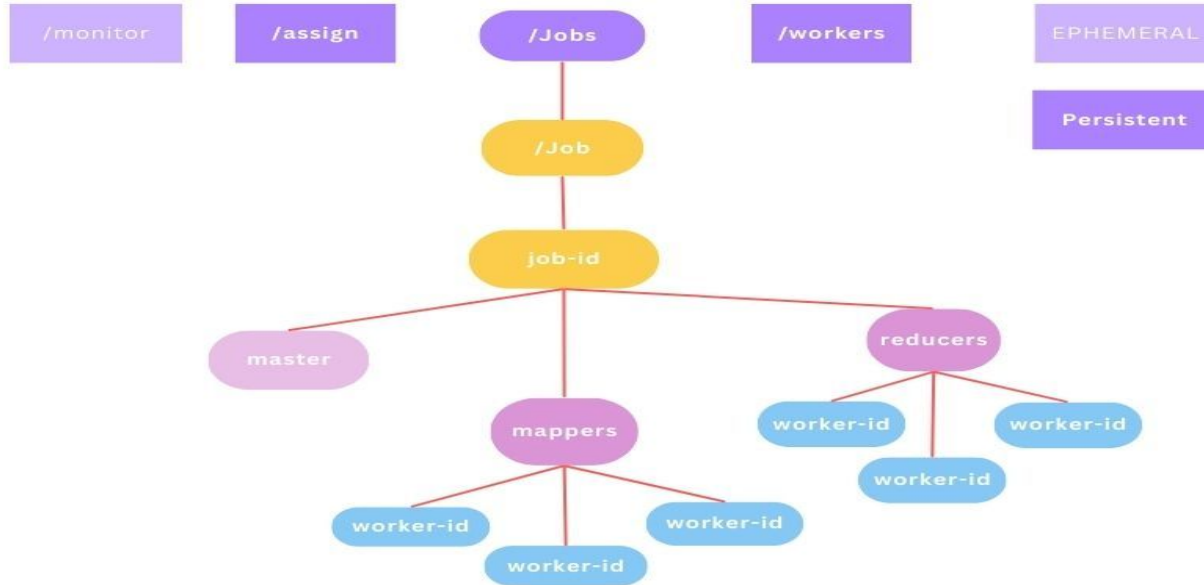
Access service:

- Log in: the path to sign in to the service: `/api/auth/signin`. After the Login the user gets a token as intended.
- Sign up: the path to sign up a user to the service: `/api/auth/signup`

ZooKeeper

The Zookeeper is initialized with the following znodes:

- /Jobs:Jobs to be inserted.
- /monitor: the monitor of the entire system.
- /workers: the node to store the active worker nodes.
- /assign: A znode used to do a distributed lock for changing the status of the workers.



Job Initialised

- When a master Node is created it initialises a docker swarm.
- Every worker that is assigned to the job, enters the swarm.

ANY
QUESTIONS?

