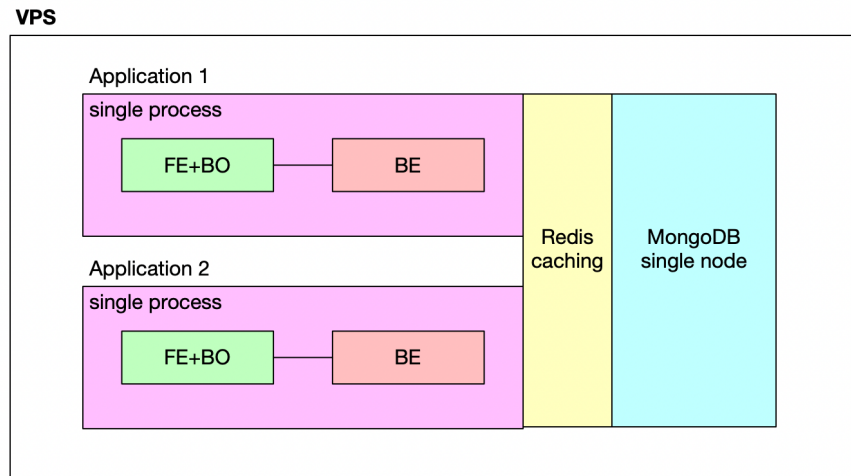


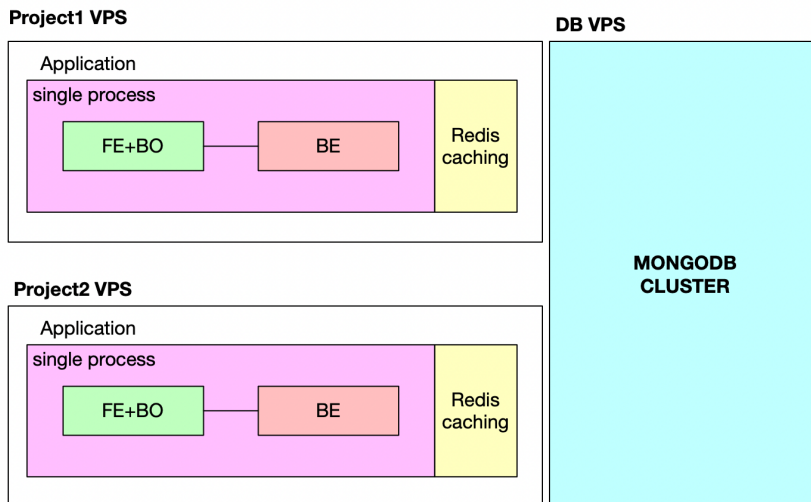
SCALABLE SYTEM

CURRENT ARCHITECTURE



SCALABLE ARCHITECTURE

Stateless Database service => Use only one DATABASE in separated VPS and be clustered



Stateless Application

- FE+BO are using ReactJS mean static file hosted => does not make heavy load this stage
- BE has to handle logic, access database => take some times maybe problem at this stage
=> need scale here

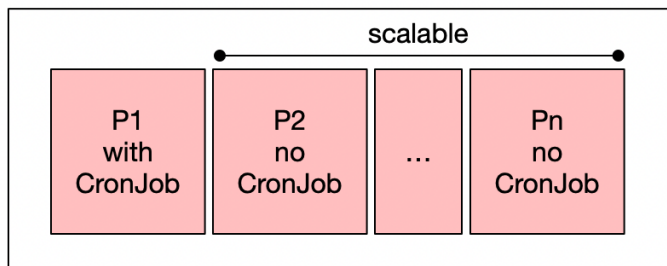
Application caching

Using Redis as caching for application, it shares resource across process

Scaling application process

Use PM2 cluster to scale application. But need separate cronjob to make stateless in process

BE application



Traffic balancing

Use Nginx with upstream to share traffic to another VPS

