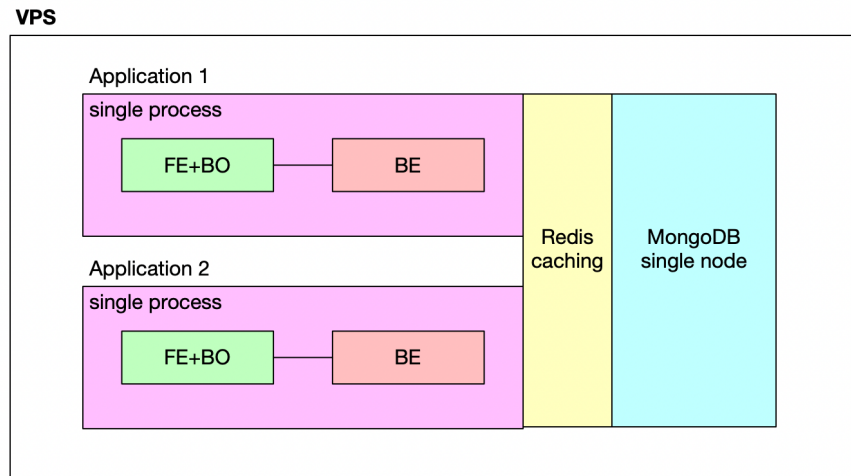


# SCALABLE SYTEM

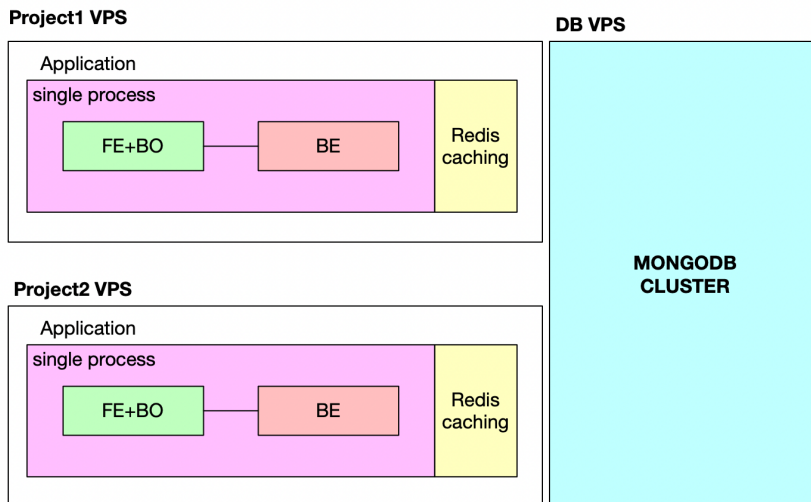
---

## 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

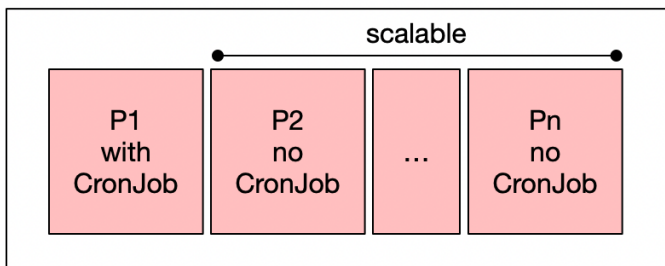
## ## Application caching

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

## ## Scaling application process

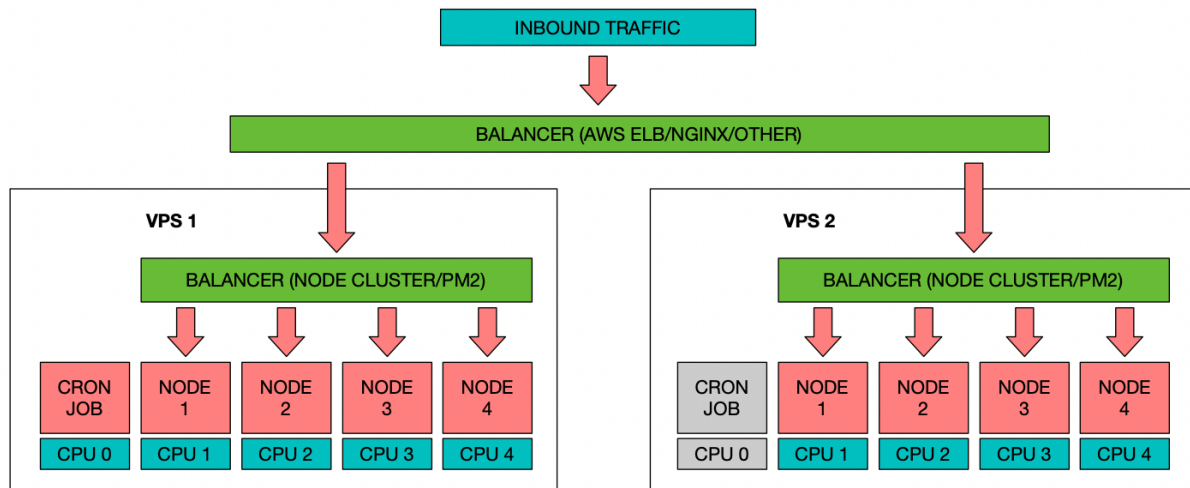
Use PM2 cluster to scale application. But need separate cronjob to make stateless in process

### BE application



## ## Traffic balancing

Use Nginx with upstream to share traffic to another VPS



## # Full system

