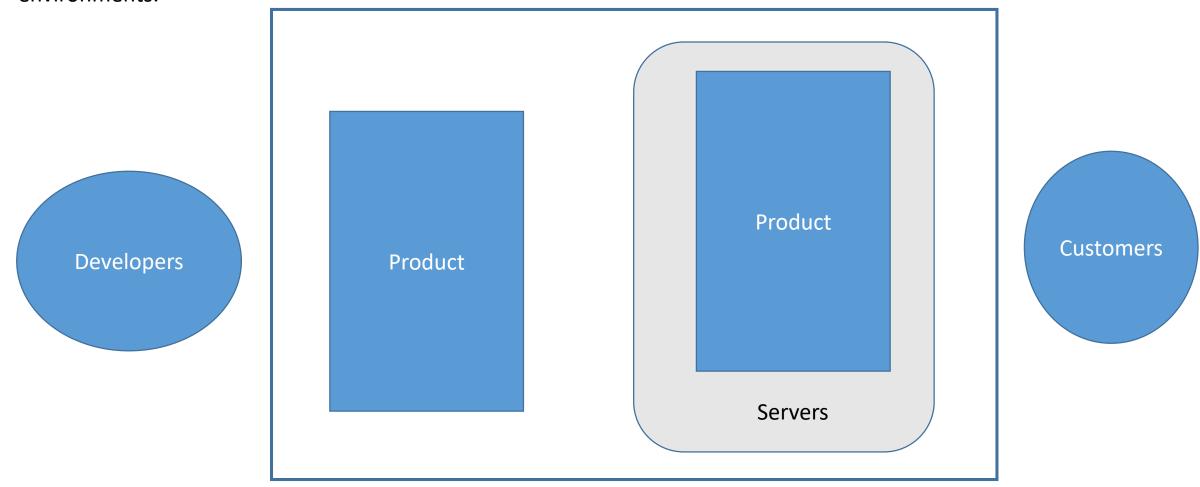
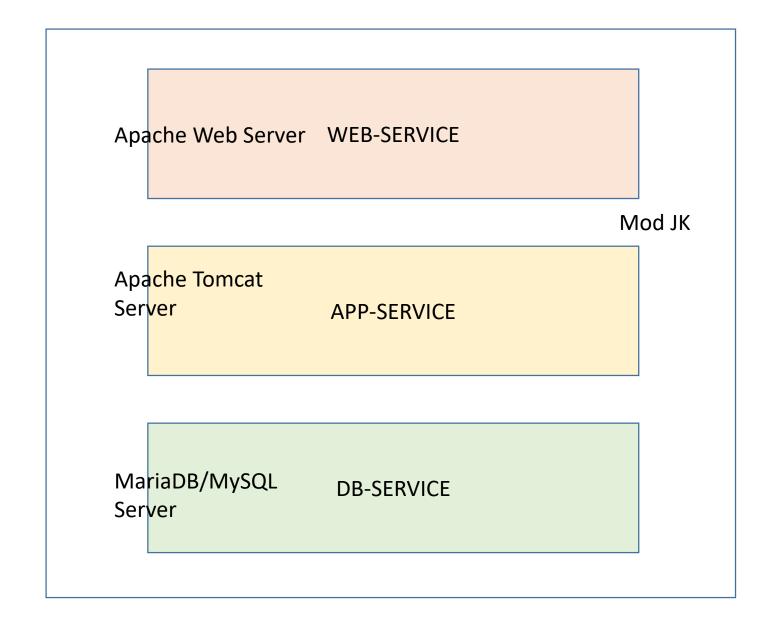
Roles and Responsibilities of DevOps:

1. Ensuring the application CI/CD (Delivering the code to PROD) process happens in an automated way without any issues.

2. Infrastructure which that application is using is also maintained and ensuring 99.9% uptime to those environments.



3-Tier Architecture



Load Balancer

WEB

WEB

DB Server

Load Balancer (Web Server)

Load Balancer (Haproxy)

DEV Environment

Web/app/db

QA/PERF Environment

Web/app/db

Pre-Prod/ Staging/ Sandbox/ UAT Environment

Web/app DB Pre-Prod/
Staging/
Sandbox/
UAT
Environment

Web/app DB



DEV ENV ARCH

web app db

Loadbalancer-ip/qa

QA ENV ARCH

web app db

STAGE ENV ARCH

Loadbalancer-ip/stage

web

DB (Common for PROD and PREPROD)

PROD ENV ARCH

Loadbalancer-ip/ Loadbalancer-ip/prod

Load Balancer (haproxy)

web

app

web

app

DB (Common for PROD and PREPROD)