

Create two environment using modules -

1. Dev
2. Stage

Dev will have below infra:

- 2 EC2 instances- (t2.micro)
 - Nginx web-server:
 - Should be in public subnet
 - Install nginx using user-data scripts
 - Assign role which will have full access to s3 bucket
 - Apache (HTTPD) server
 - Should be in public subnet
 - Install apache using user-data scripts
 - Assign role which will have full access to s3 bucket
- VPC network
 - 6 public subnets
 - 3 private public subnets
- Security group
 - Allow incoming port 80 over internet for all

Stage will have below infra:

- 2 EC2 instances- (t2.micro)
 - Backend server:
 - Should be in private subnet
 - Install packages - jenkins, java. using user-data scripts
 - Assign role which will have full access to s3 bucket
 - Apache (HTTPD) server
 - Should be in public subnet
 - Install Wordpress using user-data scripts
 - Install apache using user-data scripts
 - Assign role which will have full access to s3 bucket
- VPC network
 - 6 public subnets
 - 3 private public subnets
- Security group
 - Allow port 80 & 8080 for everyone