# Introduction :

This solution creates WordPress application, MYSQL RDS instance. They are created inside VPC with 2 public and 2 private, 2 security groups one for front end servers and the other for securing the database, load balancer to distribute the web traffic between 2 ec2 instance. Those instance created inside Autoscaling group for high availability.

This solution developed using cloud formation.

# Assumptions :

1. Before you run the scripts you have to create iam server certificated and upload it to aws.
2. S3 Bucket with name [candidate8bucket](https://s3.console.aws.amazon.com/s3/) must be existin us-east-1 or you have to update the Template parameter inside master stack template.

# Files:

|  |  |
| --- | --- |
|  |  |
| master.template | The main template and must be executed first,it points to network ,database and web server stack. |
| databasestack.template | Creates MYSQL RDS along with its DBSubnetGroup and security group |
| networkstack.template | Creates VPC ,Subnets ,Security Groups and Load Balancer |
| webserversstack.template | Create Autoscaling group |