Ansible Project Summary

* IP address of Ansible server IP: 108.170.41.76
* WebApp code is attached here “**WebApplication Code**”
* Ansible-Playbook configuration is attached here “**Ansible PlayBook**”
* Web application is designed in such a way that it supports vertical / horizontal scaling
* VMs are configured with Elastic IP
* WebApp URL

<Https://webappdemo.wwhnetwork.net>

**Note: Due to security reason, I have removed the IP address information, Private Keys and certificate Keys.**

# Deploy EC2 Instance for Web Server

ansible-playbook -i /root/hosts /root/ServerProvisioning/ec2-websrvdeployment.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem

## Deploy Apache Web Role and web content

ansible-playbook -i /root/hosts /root/RoleProvisioning/ec2-websrvApache-php.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem

Deploy SSL Certificate

ansible-playbook -i /root/hosts /root/SSLProvisioning/ssl.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem

# Deploy EC2 Instance for Database Server

ansible-playbook -i /root/hosts /root/ServerProvisioning/ec2-databasesrvdeployment.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem

## Deploy MySQL Role and Hardening

ansible-playbook -i /root/hosts /root/RoleProvisioning/ec2-datasrvMysql.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem

## Create MySQL DB, User and Restore Backup

ansible-playbook -i /root/hosts /root/RoleProvisioning/ec2-DBcreationandRestoration.yml --private-key=/root/SSHkeyCloudInfra/nodes.pem