

Ansible Assignment – 2

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An organization XYZ private limited is transforming into DevOps, they have a very complex infrastructure setup, and their applications runs on 100s of servers. They would like to automate the server configuration to bring in consistency across the servers and improve their environment stability. You have been hired as a DevOps Engineer to automate their infrastructure configuration. Organization has decided to use Ansible as Configuration Automation tool.

As a DevOps Engineer, you are required to execute following task.

1. Create 2 AWS ubuntu instance.
2. Setup Ansible on one instance.
3. Setup hosts inventory file.
4. Take the Spring boot application.
5. Containerize the Spring boot Application
6. Write an Ansible role to configure another node with following –
 - Docker Engine
 - Create Unix user and group named (demo)
 - Deploy the Spring Boot App. 7. Verify the Application by accessing it in the browser.
 -

Instances | EC2 Management Console

Successfully started i-04bbce59f8d81a5b9, i-05673328ab392fb9b

Successfully stopped i-04bbce59f8d81a5b9, i-05673328ab392fb9b

Successfully started i-04bbce59f8d81a5b9, i-05673328ab392fb9b

Instances (2) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IP |
|-----------|---------------------|----------------|---------------|-------------------|--------------|-------------------|-----------|
| ansass | i-04bbce59f8d81a5b9 | Running | t2.micro | 2/2 checks passed | No alarms | ap-northeast-1c | ec2-... |
| answorker | i-05673328ab392fb9b | Running | t2.micro | 2/2 checks passed | No alarms | ap-northeast-1c | ec2-... |

Select an instance

Feedback Language

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13.230.181.116 controller

Terminal Sessions View X server Tools Games Settings Macros Help

Quick connect...

ubuntu@ip-172-31-10-40:~\$ vi deploy.yml

```
group:
  name: demo
  state: present
- name: create demo unix
  user:
    group: demo
    name: unix
    state: present

- name: Log into DockerHub
  docker_login:
    username: [REDACTED]
    password: [REDACTED]

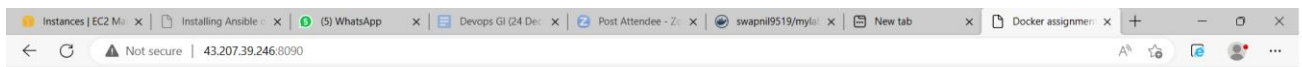
- name: Deploy Spring Boot App
  shell: docker run -itd -p 8090:8080 swapnil9519/mylab2:ver3
```

Remote monitoring

Follow terminal folder

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this is docker assignment no 3

Myself swapnil jadhav and I have completed my docker assignment no 3
kindly check my assignment

