

AWS Solutions Architect Certification Training

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DevOps-Module5-Ansible-Assignment-4 COMPLETED by Nagesha KS

Please check the following screenshots for each question.

Tasks To Be Performed:

1. Use the previous deployment of Ansible cluster
2. Configure the files folder in the role with index.html which should be replaced with the original index.html

All of the above should only happen on the slave which has NGINX installed using the role.

Instances | EC2 | us-east-2

EC2 Instance Connect | us-east-2

EC2 Instance Connect | us-east-2

EC2 Instance Connect | us-east-2

+

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08c60b2325e38641a&osUser=ubuntu®ion=us-east-2&sshPort=22#/

Services

Search

[Alt+S]

Ohio

Nagesha KS

System load: 0.72 Processes: 106
Usage of /: 34.4% of 7.57GB Users logged in: 0
Memory usage: 21% IPv4 address for eth0: 172.31.38.147
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.
30 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at <https://ubuntu.com/esm>

Last login: Fri Sep 6 05:22:42 2024 from 3.16.146.4
ubuntu@ip-172-31-38-147:~\$ cd /etc/ansible/roles/
ubuntu@ip-172-31-38-147:/etc/ansible/roles\$ ls
apache nginx
ubuntu@ip-172-31-38-147:/etc/ansible/roles\$ cd apache/
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache\$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache\$

i-08c60b2325e38641a (Nagesha-Ansible-Master)

PublicIPs: 18.188.161.102 PrivateIPs: 172.31.38.147

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06-09-2024

Instances | EC2 | us-east-2 x EC2 Instance Connect | us-east-2 x EC2 Instance Connect | us-east-2 x EC2 Instance Connect | us-east-2 x +

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08c60b2325e38641a&osUser=ubuntu®ion=us-east-2&sshPort=22#/

aws Services Search [Alt+S]

apache nginx

```
ubuntu@ip-172-31-38-147:/etc/ansible/roles$ cd apache/  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache$ ls  
README.md defaults files handlers meta tasks templates tests vars  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache$ cd files/  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/files$ ls  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/files$ sudo nano index.html  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/files$ pwd  
/etc/ansible/roles/apache/files  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/files$ cd ..  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache$ ls  
README.md defaults files handlers meta tasks templates tests vars  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache$ cd tasks/  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/tasks$ ls  
install.yaml main.yaml  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/tasks$  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/tasks$ sudo nano copy.yaml  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/tasks$ sudo nano main.yaml  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache/tasks$ cd ..  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/apache$ cd ..  
ubuntu@ip-172-31-38-147:/etc/ansible/roles$ ls  
apache nginx  
ubuntu@ip-172-31-38-147:/etc/ansible/roles$ cd nginx  
ubuntu@ip-172-31-38-147:/etc/ansible/roles/nginx$
```

i-08c60b2325e38641a (Nagesha-Ansible-Master)

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Ansible Commands

```
cd /etc/ansible/roles/
```

```
ls
```

```
cd apache/
```

```
ls
```

```
# tasks are done in the tasks folder
```

```
# but files are created in files folder
```

```
cd files/
```

```
ls
```

```
sudo nano index.html
```

```
Custom Apache2 HTML file
```

```
pwd
```

```
cd ..
```

```
ls
```

```
cd tasks/
```

```
# ubuntu@ip-172-31-25-58:/etc/ansible/roles/apache/tasks$
```

```
ls
```

```
sudo nano copy.yaml
```

```
---
```

```
=- name: copying custom HTML file
```

```
  copy: src=/etc/ansible/roles/apache/files/index.html dest=/var/www/html/
```

```
sudo nano main.yaml
```

```
=- include_tasks: install.yaml
```

```
=- include_tasks: copy.yaml
```

```
cd ..
```

```
cd ..
```

```
ls
```

```
cd nginx/
```

```
cd files/  
sudo nano index.html  
Custom Nginx HTML file
```

```
cd ..  
ls  
cd tasks/  
ls  
# done under /etc/ansible/roles/nginx/tasks$  
sudo nano copy.yaml  
---  
=- name: replace default Nginx page with custom HTML file  
  copy: src=/etc/ansible/roles/nginx/files/index.html dest=/var/www/html/
```

```
# done under /etc/ansible/roles/nginx/tasks$  
sudo nano main.yml  
---  
# tasks file for nginx  
=- include_tasks: install.yaml  
include_tasks: copy.yaml
```

```
cd
```

```
#next is checking the syntax  
ansible-playbook play3.yaml --syntax-check  
# next is dry run  
ansible-playbook play3.yaml --check  
# execute this ansible playbook without flags ie., -- check or --syntax-check etc  
ansible-playbook play3.yaml
```