# ***DevOps Assignment - 2***

## Ansible Playbook Exercise

**Set Up:**
● Installing ansible.
● Creating a remote server using AWS EC2 Instance. Chosen platform: Red Hat Enterprise Linux with High Availability.
● Connected to the server using ssh client.

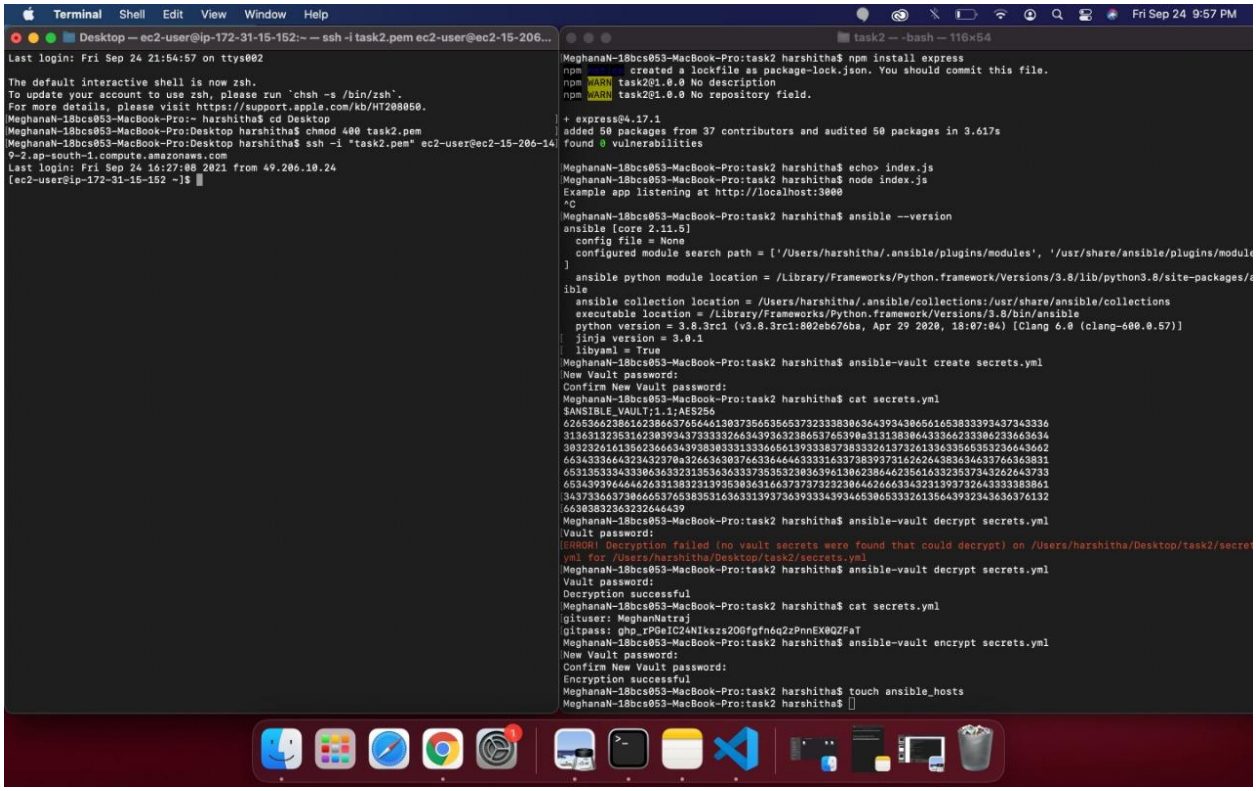
**Step 1: Configuring Git login**
Using username and security token.

- https://user:token@github.com/path

Also, creating nodejs application


**Step 2: Creating Ansible vault to Store the Git username and token**

Creating a vault and setting a vault password and creating a file called secrets.yml that stores the github username and security token. The secrets.yml file will be encrypted.




**Step 3: The Ansible Git Example Playbook**

Here we have created a nodejs app and uploaded it in a private github repository. Then we create the Ansible playbook. (gitexample.yml) The github username and token we created in the secrets.yml file.

**Step 4: Launch the Playbook with Ansible Git**

Now we launch the playbook using the ansible-playbook command

*ansible-playbook gitexample.yml --ask-vault-pass*

Method: First we check if the hostgroup is reachable using the following command: (here, nodeserver is the name of our hostgroup)
Ansible_hosts is an inventory file that contains the name of the host group, public IP address of the host server etc.

Now we launch the playbook:
The playbook ran successfully. This means our github repository has been cloned to our server in the /apps/SampleNodeApp directory.

The server is running successfully!