## DevOps Assignment – 2 Team 10

## Team members:

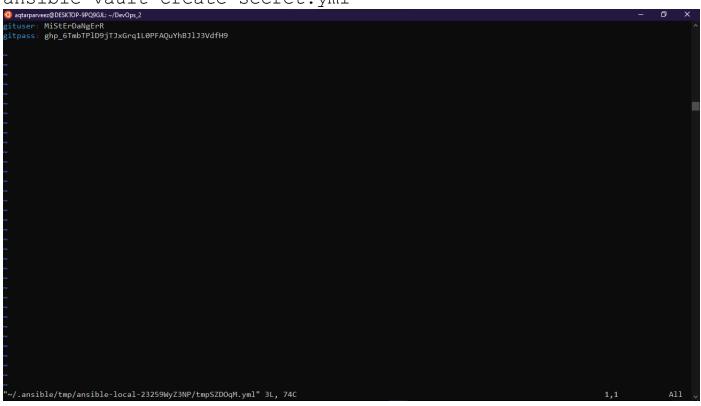
- 1. 1. G K Bharath Bhushan (18bcs026)
- 2. K V S Chaitanya (18bcs045)
- 3. Neha T (18bcs060)
- 4. Rahul S (18bcs075)
- 5. Varun Awati (18bcs108)
- 6. Sushanth B Patil (18bcs102)
- 7. Aqtar Parveez (18bcs010)
- 8. Trishuk K S (18bcs104)

## Ansible Playbook to checkout Web App source code from Git Repo and deploy on AWS EC2 Instance

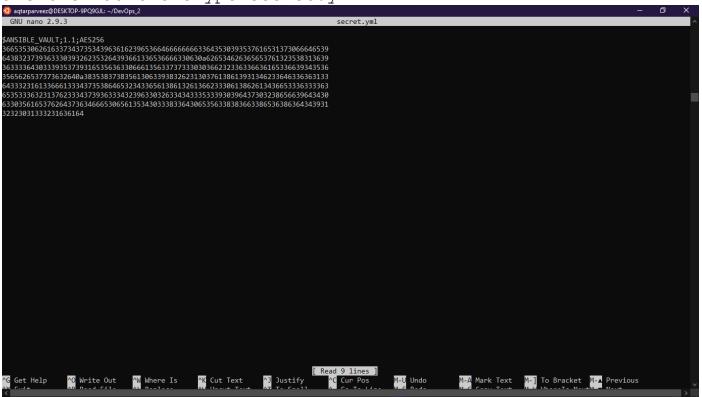
Step – 1: Create a Personal Access Token(PAT) for a GitHub private repository or similar.

Step-2: create a secret.yml file which will contain our GitHub user ID and PAT and encrypt it within ansible-vault. Encrypt it and assign a passphrase of your choice.

ansible-vault create secret.yml



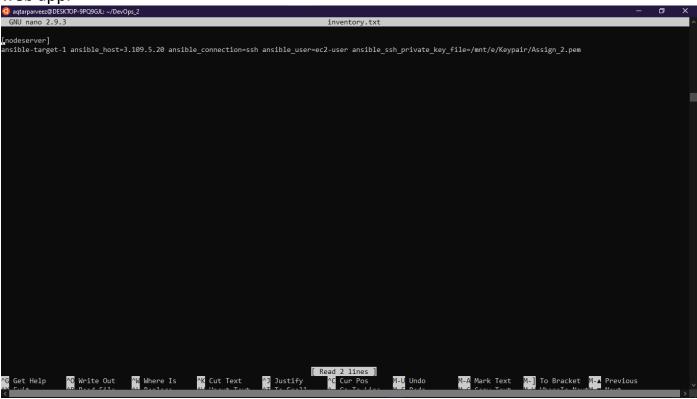
ansible-vault encrypt secret.yml



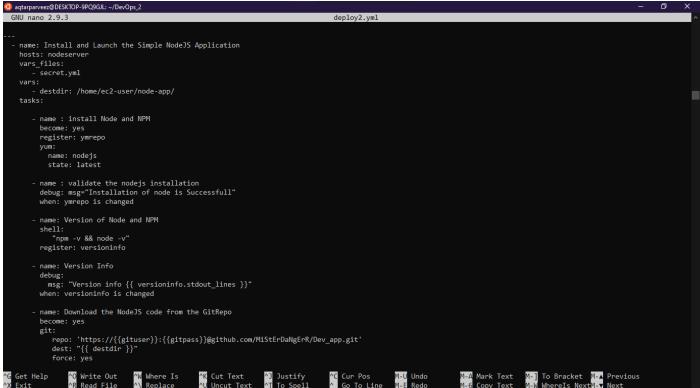
ansible-vault view secret.yml

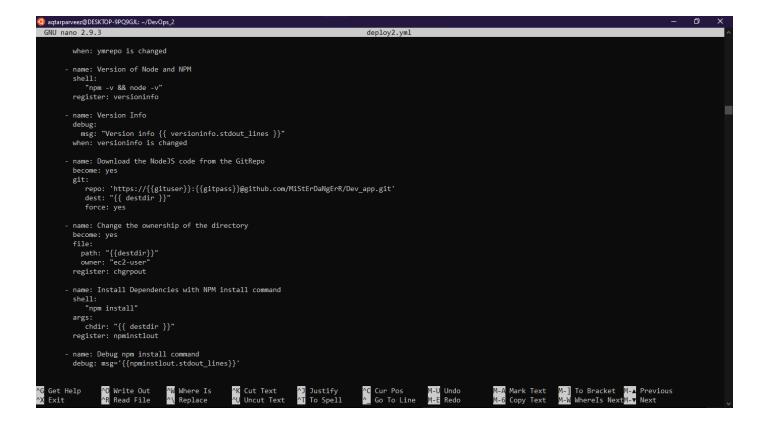
```
aqtarparveez@DESKTOP-9PQ9GJL:~/DevOps_2$ ansible-vault view secret.yml
Vault password:
gituser: MiStErDaNgErR
gitpass: ghp_6TmbTP1D9jTJxGrq1L0PFAQuYhBJ1J3VdfH9
```

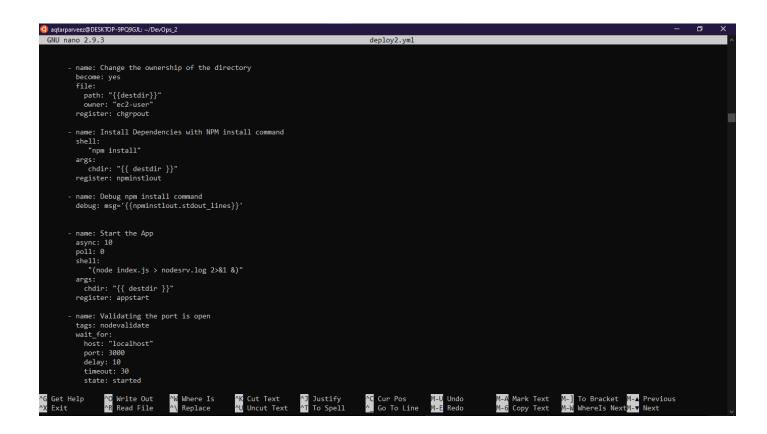
Step – 3: create our inventory file (inventory.txt here). This file contains the details (like public IP, private-key file name, etc) of the EC2 instance where we will be deploying the web app.



Step 4: Then we have to create our Ansible Playbook (deploy2.yml here). The contents of the playbook have been shown in three screenshots below.







Step 5: Now the final step is to run the Ansible Playbook that we have created above.

ansible-playbook deploy2.yml -i inventory.txt --ask-vault-pass

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Outcome: Our simple webapp files is saved on the instance and the ip in the browser shows the output.



Hello World!!!

