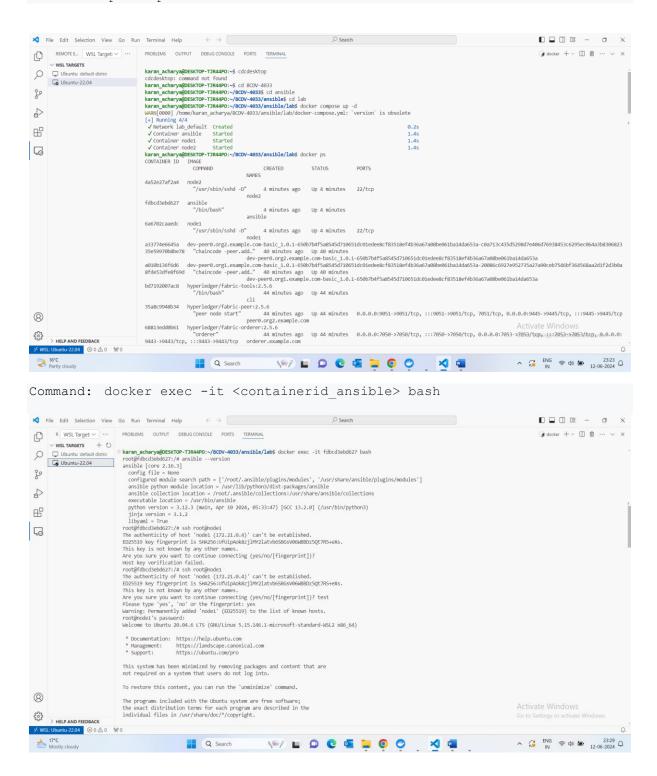
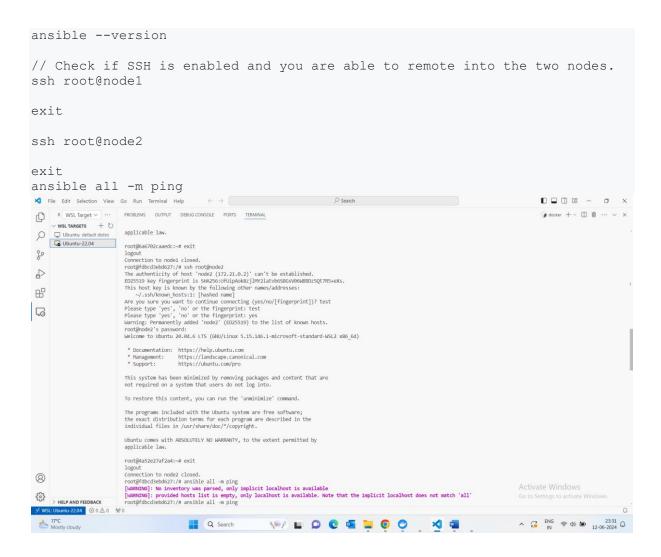
Lab-3:

Steps: clone repository

Docker ps

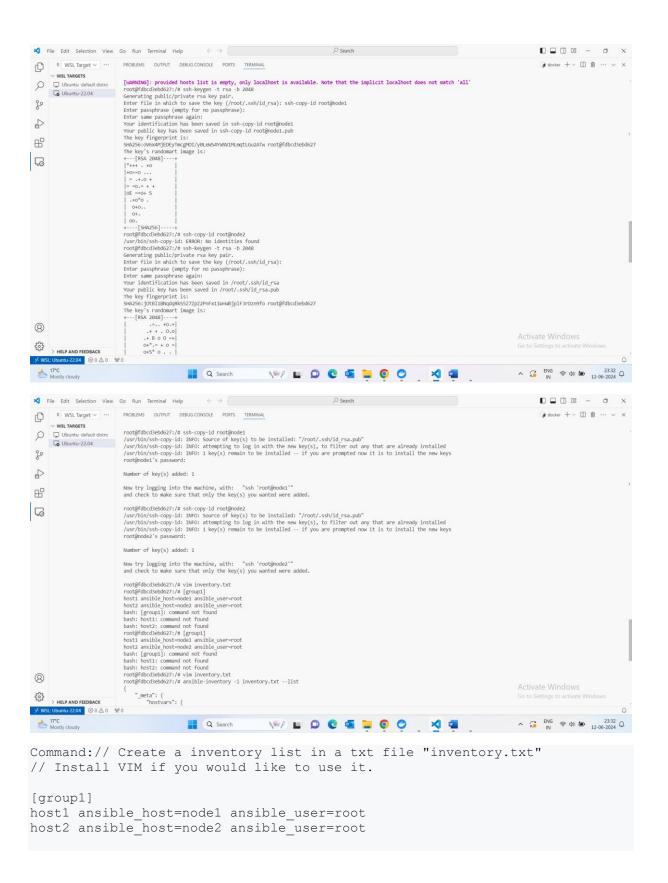
cd /ansible/lab docker compose up -d

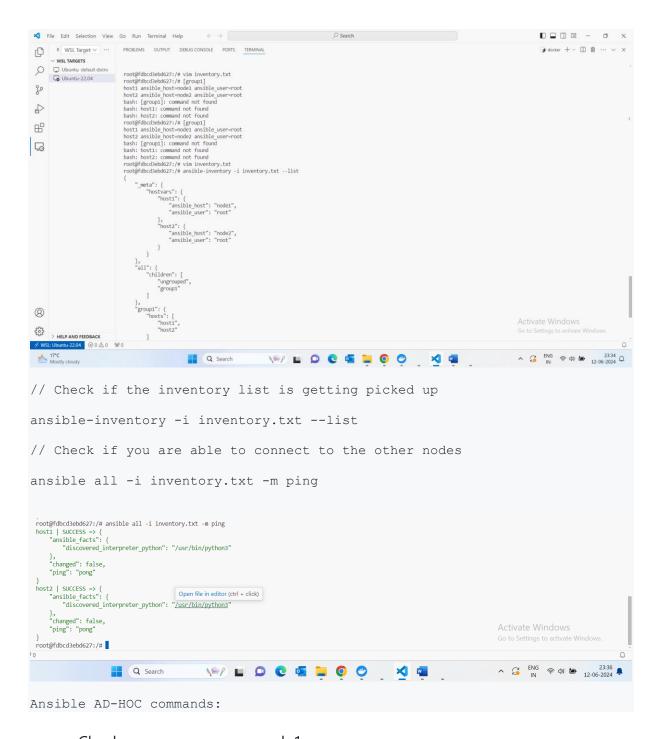




Command: ssh-keygen -t rsa -b 2048

ssh-copy-id root@node1
ssh-copy-id root@node2



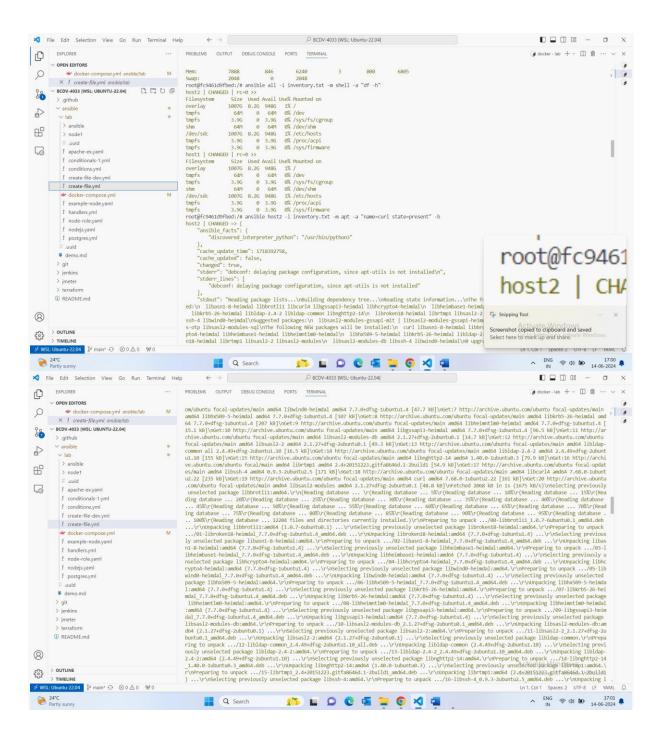


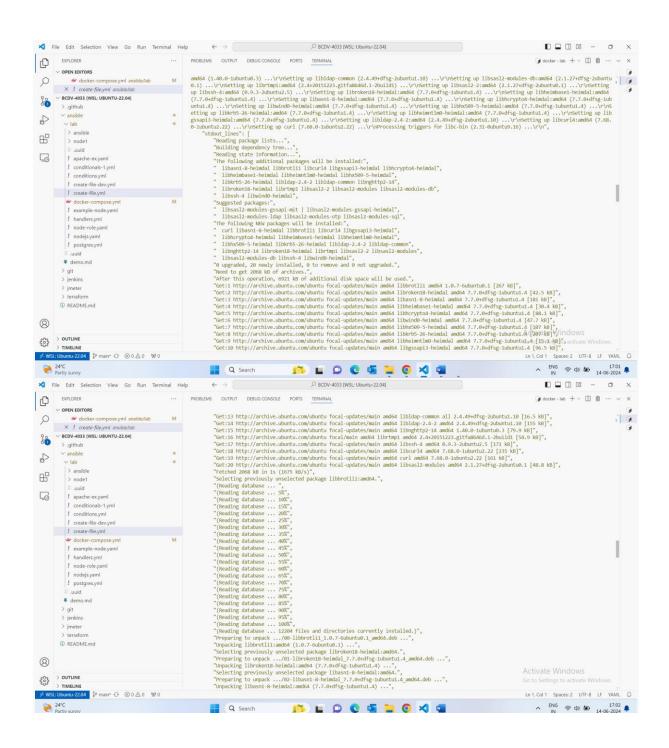
Check memory usage on node1

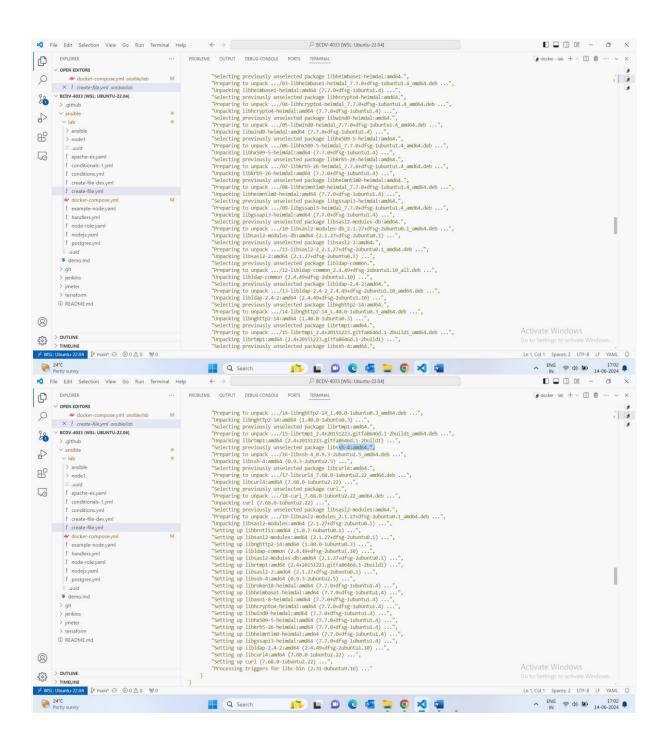
```
ansible -i inventory.txt host1 -m shell -a "free -m"

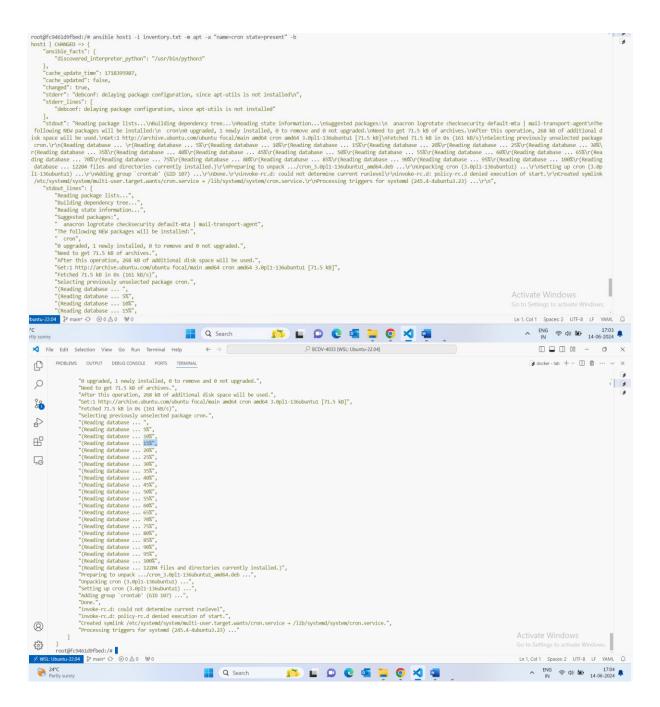
// Disk usage
ansible all -i inventory.txt -m shell -a "df -h"

ansible host2 -i inventory.txt -m apt -a "name=curl state=present" -b
ansible host1 -i inventory.txt -m service -a "name=cron state=restarted" -b
```









Create ansible host file :

```
10,
"final",
      },
"ansible_python_version": "3.8.10",
"ansible_real_group_id": 0,
"ansible_real_user_id": 0,
"ansible_selinux": {
    "status": "disabled"
,
      },
"ansible_selinux_python_present": true,
""" "sshd".
"ansible_service_mgr": "sshd",
"ansible_ssh_host_key_ecdsa_public": "AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBGdBA5RAFgUAop9fguziBFfXJtHGCgmNlBe17Q4p0pAtwgnots8sw4u20of0FDKhqSA4CpCwe
// Check if you can connect without passing inventory
ansible all -m ping
// To view the configurations of the other nodes
ansible all -m setup
// To check uptime
ansible all -a uptime
// To create a file
ansible all -m file -a "path=~/tmp-file state=touch"
// To delete the file
ansible all -m file -a "path=~/tmp-file state=absent"
// To list all the modules
ansible-doc -1
```

```
root@7d73237dcc07:/# ansible all -a uptime
 node1 | CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
              alscovered_interprete
},
"changed": true,
"dest": "/root/tmp-file",
"gid": 0,
"group": "root",
"mode": "6644",
"owner": "root",
"size": 0,
"state": "file",
"uid": 0
  f
mode2 | CHANGED => {
    "ansible_facts": {
      "discovered_interpreter_python": "/usr/bin/python3"
              "discovered_interprete"
},
"changed": true,
"dest": "/root/tmp-file",
"gid": 0,
"group": "root",
"mode": "6644",
"owner": "root",
"size": 0,
"state": "file",
"uid": 0
  root@7d73237dcc07:/# ansible all -m file -a "path=~/tmp-file state=absent"
 node1 | CHANGED => {
    "ansible facts": {
 root@7d73237dcc07:/# ansible-doc -l
root@7d73237dcc07:/# ansible-doc lamazon.aws.autoscaling group info amazon.aws.autoscaling group_info amazon.aws.aws_az_info amazon.aws.aws_az_info amazon.aws.aws_region_info amazon.aws.aws_region_info amazon.aws.backup_plan_info amazon.aws.backup_plan_info amazon.aws.backup_selection amazon.aws.backup_selection_info amazon.aws.backup_selection_info amazon.aws.backup_selection_info amazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_lamazon.aws.backup_vault
                                                                                                                                                                                                                                                                                                                                           Create or delete AWS AutoScaling Groups (ASGs)
Gather information about EC2 Auto Scaling Groups (ASGs) in...
Gather information about availability zones in AWS
Get information about the user and account being used to m...
Gather information about AWS regions
Manage AWS Backup Plans
Describe AWS Backup Plans
List information about harkup restore in
                                                                                                                                                                                                                                                                                                                                           List information about backup restore jobs
Create, delete and modify AWS Backup selection
Describe AWS Backup Selections
Manage tags on backup plan, backup vault, recovery point
                                                                                                                                                                                                                                                                                                                                            List tags on AWS Backup resources
Manage AWS Backup Vaults
```

Create first playbook

// Copy Create-file.yml into the control node

// Run the playbook

ansible-playbook create-file.yml

```
chara_achary@DESKTOP-TRM44PO:~/BCDV-4033/ansible/lab$ docker exec -it 7d73237dcc07 bash root@7d73237dcc07:/# touch Create-file.yml root@7d73237dcc07:/# vi Create-file.yml root@7d73237dcc07:/# ansible-playbook Create-file.yml
PLAY [all]
TASK [Gathering Facts]
ok: [node1]
 TASK [create a file]
changed: [node2]
changed: [node1]
       : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0 
: ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
node1
node2
```

Delete-file.yml

Create-dev-file.yml

- Use the example node.yaml and clone the Lab 1 repo to both the nodes. Build the node modules

Play book node-modules

