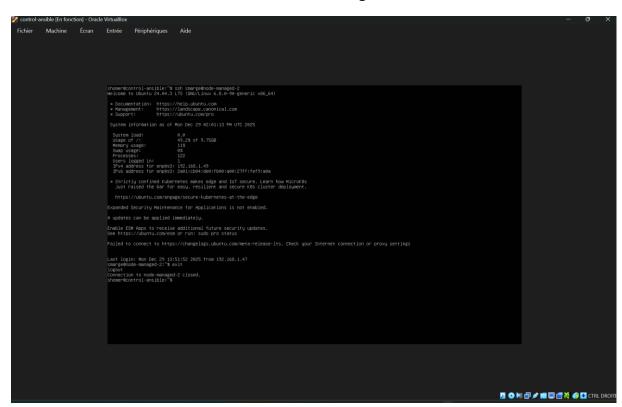
### My Home Lab

From control-ansible machine, i ssh to node-managed-1

```
Ficher Machine Cram Entire Pringhetiques Ade

| Control | Control
```

From control-ansible machine, i ssh to node-managed-2



#### From my physical host, I connect to control-ansible

```
C:\Users\san-ssh shomer@control-ansible
shomer@control-ansible's passenord:

Welcome to Ubuntu 24, 443. 115 (GM)/Linux 6.8.0-90-generic x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://abuntu.com/pro
System information as of Mon Dec 29 01:46:54 PM UTC 2025

System load:

Usage of /:

Memory usage:

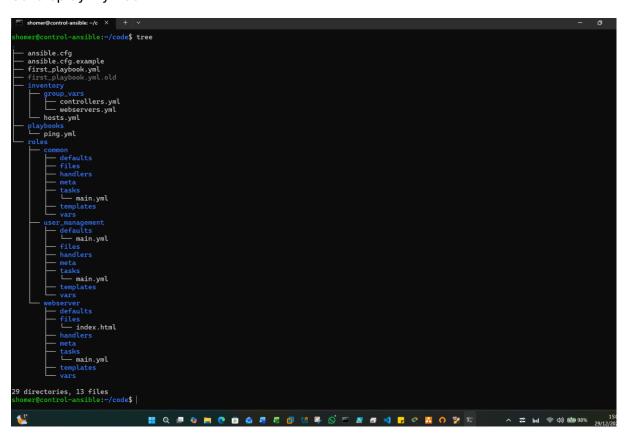
120

Usars logged in:

120

Usars logged in:
```

### col display my tree



shomer@control-ansible:~/code/roles/user\_management/tasks\$ vi main.yml

### (ansible-env) shomer@control-ansible:~/code\$ vi roles/dns/defaults/main.yml

# shomer@control-ansible:~/code\$ vi first\_playbook.yml

```
shomer@control-ansible: ~/o × + v
- hosts: all
 become: yes
 roles:
   - common
- hosts: webservers
 become: yes
 roles:
   - webserver
- hosts: controllers
 become: yes
 roles:
   - user_management
- hosts: dns_servers
become: yes
   – dns
                                                                                             18,13
```

```
shomer@control-ansible: ~/o × + ~
 name: Install Bind9 and related packages
 become:
 ansible.builtin.apt:
   name:
- bind9
- bind9utils
     - bind9-doc
   state: present
update_cache: true
- name: Deploy DNS zone file
 become: true
ansible.builtin.template:
 src: db.zone.j2
dest: "/etc/bind/db.{{ dns_zone }}"
notify: Restart bind9
- name: Deploy DNS reverse zone file
 ansible.builtin.template:
 src: db.reverse.j2
dest: "/etc/bind/db.
notify: Restart bind9
                           db.1.168.192"
                                                                                                                                        All
                                                                                                                      24,0-1
```

# Configuration de named.conf

shomer@control-ansible:~/code\$ vi roles/dns/templates/named.conf.options.j2

(ansible-env) shomer@control-ansible:~/code\$ vi roles/dns/templates/db.zone.j2

# File named.conf.local configuration

shomer@control-ansible:~/code\$ vi roles/dns/templates/named.conf.local.j2

shomer@control-ansible:**~/code**\$ vi first\_playbook.yml

shomer@control-ansible:~/code\$ ansible-playbook first\_playbook.yml

```
shomer@control-ansible: ~/c × + v
changed: [control-ansible] => (item={'name': 'admin', 'password': '$6$rounds=656000$JyPKXz82a3uVGV2u$o5Qx.wB
L9iJtHxt388A/SKoMZhF7qMj/wpZ4nxllPoYfegpNx72ymShYcSVNmGeHL.uosXursSAiOuoTzayOY/', 'groups': ['sudo']})
changed: [control-ansible] => (item={'name': 'alice', 'password': '$6$rounds=656000$NYNqT12MBaV5qZLc$P4bMe3p
HcRgNtindNg1kKNnF6xRdIrVrz1l.w74EYQA4STR510hKwlrQD9xeph682Suznu9WxRmEfnrkZDCCM.', 'groups': ['webadmins']})
shomer@control-ansible: ~/o × + v
ok: [control-ansible]
"dig_result.stdoule": "(n; <>> Dig 9.18.39-0000ntu0.24.04.2-00untu <>> @192.108.1.47 www.nexa.interne\n; (1 server found)\n;; global options: +cmd\n;; Got answer:\n;; ->>HEADER<-- opcode: QUERY, status: NOERROR, id: 24684\n;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1\n\n;; OPT PSEUDOSECTION:\n; EDNS: version: 0, flags:; udp: 1232\n; COOKIE: fd46d0db73b64896010000006952ae4b6d1bf3c00eaf4d5f (good)\n;; QUESTION SECTION:\n;www.nexa.interne.\t\tIN\tA\n\n;; ANSWER SECTION:\nwww.nexa.interne.\t604800\tIN\tA\t1 92.168.1.48\n\n;; Query time: 0 msec\n;; SERVER: 192.168.1.47#53(192.168.1.47) (UDP)\n;; WHEN: Mon Dec 29 16 :37:31 UTC 2025\n;; MSG SIZE rcvd: 89"
[control-ansible] => {
"conf_check.stdout": ""
: ok=15 changed=1
                              unreachable=0
                                         failed=0
                                                skipped=0
                                                        rescued=0
ored=0
                      changed=0
                                         failed=0
                                                 skipped=0
                              unreachable=0
                                                        rescued=0
                                                                 ign
ored=0
                                         failed=0
                      changed=0
                              unreachable=0
                                                 skipped=0
                                                                 ian
   managed-2
                                                        rescued=0
ored=0
(ansible-env) shomer@control-ansible:~/code$ |
```

I run this command on my control-ansible to check:

(ansible-env) shomer@control-ansible:~/code\$ sudo systemctl status bind9

#### Tasks completed:

Ansible.builtin.user => module for user
Ansible.builtin.command => module for DNS

#### lused:

- ansible-doc ansible.builtin.use
- ansible-doc ansible.builtin. command
- copilot