ANSIBLE Installation Project

https://github.com/christ2222/Another-Flavor-of-IaC-ANSIBLE

Prerequisites

- Ansible Controller: This EC2 instance(Ubuntu 24.04)
- Ansible Worker: Four EC2 instances (2 Amazon Linux 2023 and 2 Ubuntu24.04).
- 2 keys pairs: Ansible_controller_kp; Ansible_worker_kp

1-Screnshoots of the root kep pair generate (pub key) on the controller account

*This key will be shared with all the workers

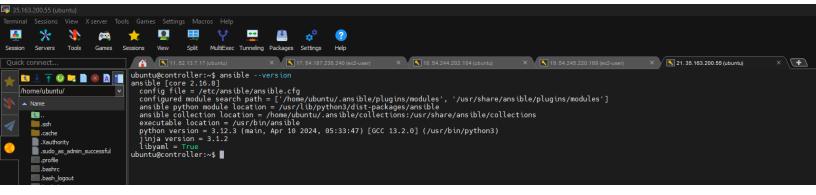


2-Screenshot of the worker's file .ssh/authorized_key showing the controller keypair

*All the workers .ssh/authorized_key file should have the controller pub key



3-Screenshot showing Ansible installed on the controller server.



4- screenshot showing the inventory file on the controller.

*You can either create the inventory file in INI or YAML format. Here we use INI



5-Screenshot showing connection between the controller and all the 4 workers(client)

*Controller - Amazon_worker_1

*Controller – Amazon_worker_2

*Controller - Ubuntu Worker 1

```
root@controller:~# ssh ubuntu@52.13.7.17
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)
                     https://help.ubuntu.com
https://landscape.canonical.com
 * Documentation:
 * Management:
 * Support:
                     https://ubuntu.com/pro
 System information as of Fri Jul 5 13:23:12 UTC 2024
                                      Processes:
  System load: 0.0
                                                                 111
                 29.0% of 6.71GB
  Usage of /:
                                      Users logged in:
                                      IPv4 address for enX0: 172.31.31.125
  Memory usage: 25%
  Swap usage:
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See <u>https://ubuntu.com/esm</u> or run: sudo pro status
*** System restart required ***
Pending kernel upgrade!
Running kernel version:
 6.8.0-1009-aws
Diagnostics:
The currently running kernel version is not the expected kernel version 6.8.0-1010-aws.
ast login: Fri Jul 5 13:23:12 2024 from 35.163.200.55
ubuntu@Ubuntu-worker-1:~$
```

*Controller - Ubuntu Worker 2

```
root@controller:~# ssh ubuntu@54.244.202.
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)
 * Documentation:
                     https://help.ubuntu.com
                     https://landscape.canonical.com
 * Management:
                     https://ubuntu.com/pro
 * Support:
 System information as of Fri Jul 5 13:26:54 UTC 2024
                                      Processes:
  System load:
                  0.0
                                                                110
  Usage of /:
                  29.0% of 6.71GB
                                      Users logged in:
  Memory usage: 27%
                                      IPv4 address for enX0: 172.31.19.69
  Swap usage:
                  0%
 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.
   https://ubuntu.com/aws/pro
Expanded Security Maintenance for Applications is not enabled.
O updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See <a href="https://ubuntu.com/esm">https://ubuntu.com/esm</a> or run: sudo pro status
*** System restart required ***
Pending kernel upgrade!
Running kernel version:
  6.8.0-1009-aws
Diagnostics:
 The currently running kernel version is not the expected kernel version 6.8.0-1010-aws. ast login: Fri Jul 5 12:21:30 2024 from 162.251.173.95
ubuntu@Ubuntu-worker-2:~$
```