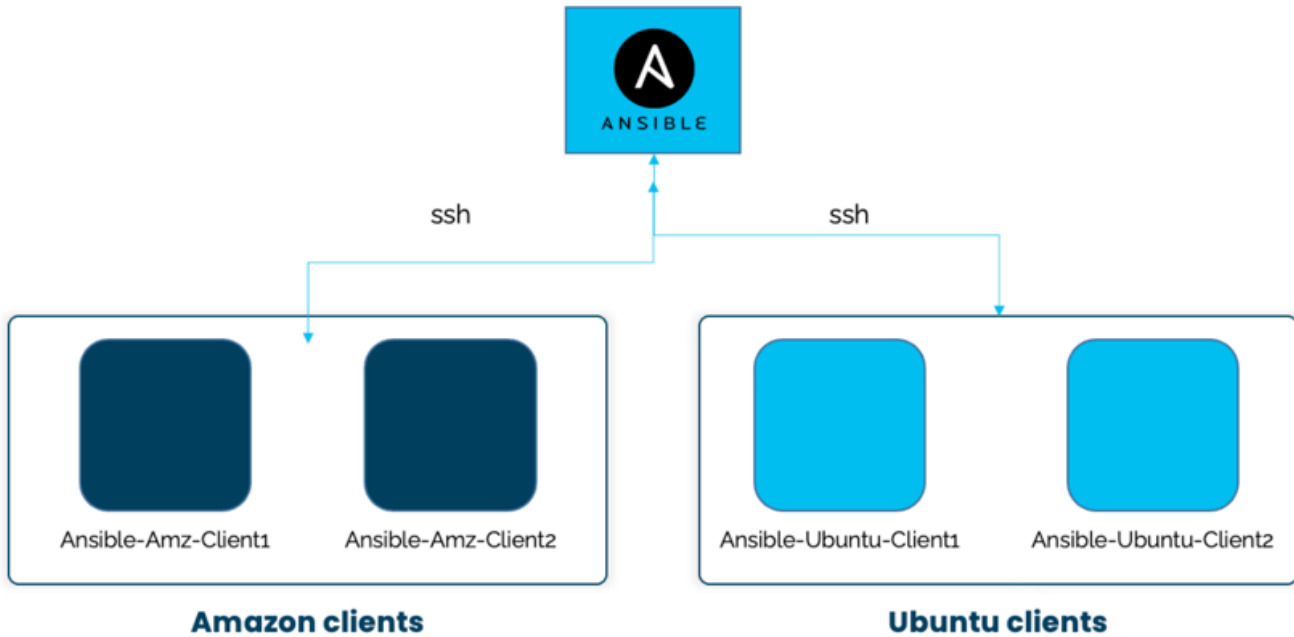


ANSIBLE Installation Project

Diagram



Prerequisites

- [AWS Account](#)
- **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`

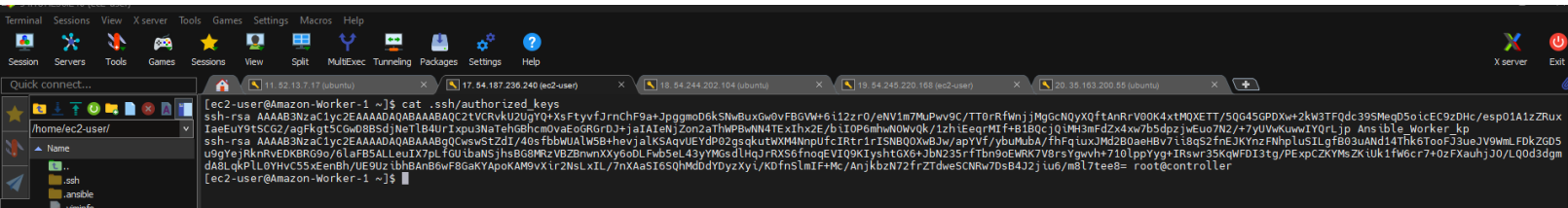
1-Screenshots of the key pair generate (pub key) on the controller account

```
root@controller:~# cat .ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAwvsStZdI/40sfbwUAlW5B+hevjalkSAqrUEYdP02gsqkutWXMNpUfcIRtr1rISNB00Xw0Jw/apYVf/ybuMubA/fhFqiuwJMd2B0aeHBv7ii8qS2fneJ3KynzFWpLuStLgf803uAmd14Thk6Toof33ueJ3V9wMLFdkZG05
u0gYeJRknRvEDKBRG9o/6lAFB5ALLouIX7pL70uibaNSjhsB68MRzVBZBnwnXXy6oDLFwb5eL43yYMcSdHqJ+RXS6fnoqEVIQ9KIyshtG6+JbN235rFTbn9eEWRK7V8rsYgwvh+710LppYyg+IRs35KqWFDI3tg/PExpCZKYMsZkUk1fw6cr7+0zFXauhjJ0/LQ0d3dgm
dABLqkPILL0YHvC55XEenBh/UE9UzibhAnB6wF8GaYApokAM9vXlr2NsLXIL/7nXaAs16SghM0ddYDyZyL/KDfnsImIF+Mc/AnjkbzN72frZTdw5SCMRw7DsB4J2jIu6/m0l7tee8= root@controller
```

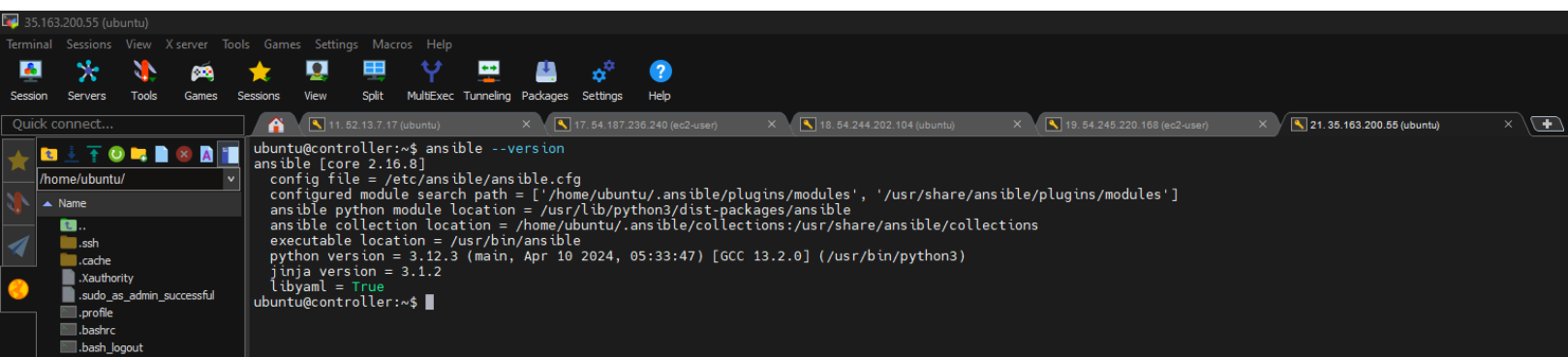
***This key will be shared with all the workers**

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**

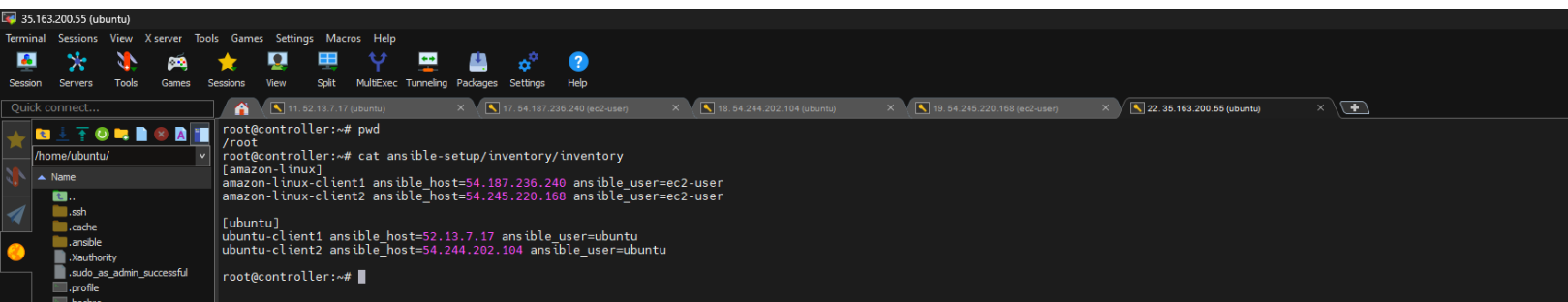


3-Screenshot showing Ansible installed on the controller server.



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**

[illegible]

*Controller – Amazon_worker_2

```
root@controller:~# ssh ec2-user@54.245.220.168
```

```
#####  
Amazon Linux 2023  
  
https://aws.amazon.com/linux/amazon-linux-2023  
  
Last login: Fri Jul 5 12:23:10 2024 from 162.251.173.95  
[ec2-user@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)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Fri Jul  5 13:23:12 UTC 2024

System load:  0.0          Processes:           111
Usage of /:   29.0% of 6.71GB Users logged in:       1
Memory usage: 25%         IPv4 address for enX0: 172.31.31.125
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm 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.
Last 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@54.244.202.104
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Fri Jul  5 13:26:54 UTC 2024

System load:  0.0          Processes:           110
Usage of /:   29.0% of 6.71GB Users logged in:       1
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.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm 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.
Last login: Fri Jul  5 12:21:30 2024 from 162.251.173.95
ubuntu@Ubuntu-worker-2:~$
```