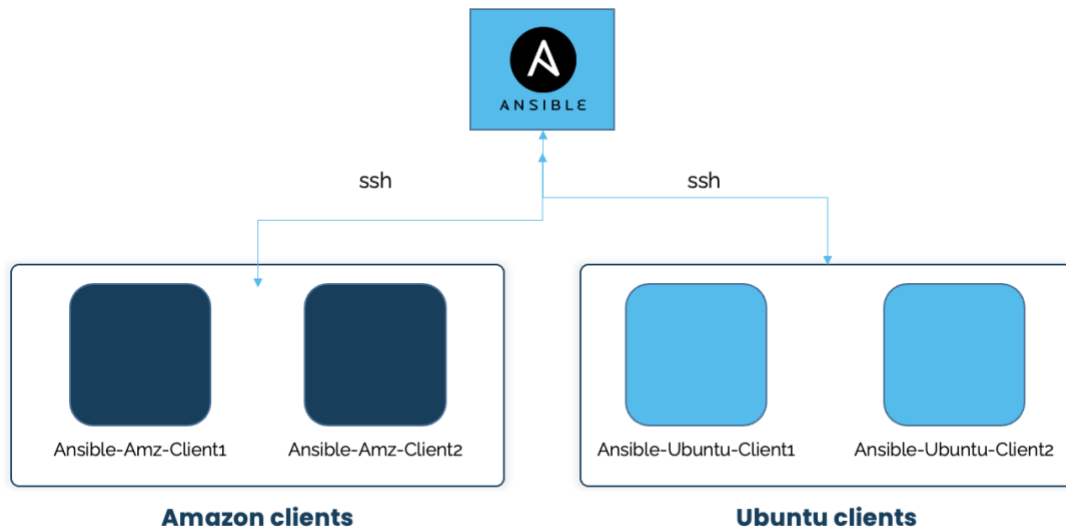


BO LONTUM HOME WORK-ANSIBLE

Please setup an ansible controller and 4 ansible clients: 2 client of type Amazon Linux 2 and 2 client of type

Ubuntu. https://docs.ansible.com/ansible/latest/installation_guide/installation_distros.html#installing-ansible-on-ubuntu (edited)



Connection between controller and ubuntu servers

```
# Ex4: Multiple hosts arranged into groups such as 'Debian' and 'openSUSE':
## [Debian]
## alpha.example.org
## beta.example.org

## [openSUSE]
## green.example.com
## blue.example.com

root@ansible-controller:/etc/ansible# ansible -m ping ubuntu_Nodes
10.0.0.89 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
10.0.0.211 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@ansible-controller:/etc/ansible#
```

Connection between controller and amazon Linux nodes

```
root@ansible-controller:/etc/ansible# ansible -m ping amazon_linux_nodes
[WARNING]: Platform linux on host 10.0.1.40 is using the discovered Python interpreter at /usr/bin/python3.7, but
future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.16/reference\_appendices/interpreter\_discovery.html for more information.
10.0.1.40 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
[WARNING]: Platform linux on host 10.0.1.105 is using the discovered Python interpreter at /usr/bin/python3.7, but
future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.16/reference\_appendices/interpreter\_discovery.html for more information.
10.0.1.105 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
```

Direct control of Linux servers from the controller

[illegible]

Direct control of Ubuntu servers from the controller

```
Logout
Connection to 10.0.0.89 closed.
root@ansible-controller:/# ssh root@10.0.0.211
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 Sun Jul  7 00:00:02 UTC 2024

System load:  0.0          Processes:      114
Usage of /:   23.1% of 6.71GB Users logged in:   1
Memory usage: 22%         IPv4 address for enX0: 10.0.0.211
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

Last login: Sat Jul  6 23:38:57 2024 from 10.0.0.128
root@ubuntunode1:~#
root@ansible-controller:/# ssh root@10.0.0.89
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 Sat Jul  6 23:57:14 UTC 2024

System load:  0.0          Processes:      118
Usage of /:   23.0% of 6.71GB Users logged in:   1
Memory usage: 22%         IPv4 address for enX0: 10.0.0.89
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

Last login: Sat Jul  6 23:38:57 2024 from 10.0.0.128
root@ansible-Node2:~#
```

Pinging all the servers

```
root@ansible-controller:/# ansible -m ping all
[WARNING]: Platform linux on host 10.0.1.105 is using the discovered Python interpreter at /usr/bin/python3.7, but
future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.16/reference\_appendices/interpreter\_discovery.html for more information.
10.0.1.105 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
[WARNING]: Platform linux on host 10.0.1.40 is using the discovered Python interpreter at /usr/bin/python3.7, but
future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.16/reference\_appendices/interpreter\_discovery.html for more information.
10.0.1.40 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
10.0.0.89 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
10.0.0.211 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@ansible-controller:/#
```