Ubuntu 22

Python 3.10

Ansible 2.17

To upgrade ansible

pip install --upgrade ansible

* **Install Ansible from the official repo**

sudo apt update

sudo apt install software-properties-common

sudo add-apt-repository --yes --update ppa:ansible/ansible

sudo apt install ansible

* **[TIP] configure Ansible logging**

vi /etc/ansible/ansible.cfg

[defaults]

log\_path=/var/log/ansible.log

* **Install Carbonio task from Ansible Galaxy**

ansible-galaxy collection install zxbot.carbonio\_ssinstall

Need to generate key for SSH

**Step 1: Generate SSH Key Pair**

1. **Open Terminal**: Press Ctrl+Alt+T to open the terminal.
2. **Generate SSH Key**: Run the following command to generate an SSH key pair:

bash

Copy code

ssh-keygen -t rsa -b 4096 -C "your\_email@example.com"

* + -t rsa: Specifies the type of key to create, in this case, an RSA key.
  + -b 4096: Specifies the number of bits in the key. 4096 is a strong length.
  + -C "your\_email@example.com": Provides a label for the key.

1. **Save the Key**: When prompted to "Enter file in which to save the key," press Enter to accept the default location (/home/your\_username/.ssh/id\_rsa).
2. **Enter Passphrase**: Enter a passphrase for added security or press Enter twice to skip this step (not recommended for production environments).

**Step 2: Add SSH Key to authorized\_keys**

1. **Display Public Key**: Run the following command to display the public key:

bash

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cat ~/.ssh/id\_rsa.pub

1. **Copy the Public Key**: Select and copy the entire output from the terminal.
2. **Create/Edit authorized\_keys File**:
   * **Local Machine**:

bash

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mkdir -p ~/.ssh

nano ~/.ssh/authorized\_keys

* + **Remote Machine**:

bash

Copy code

ssh user@remote\_host

mkdir -p ~/.ssh

nano ~/.ssh/authorized\_keys

1. **Paste the Public Key**: Paste the copied public key into the authorized\_keys file.
2. **Save and Exit**: Save the file and exit the text editor (Ctrl+X, then Y, then Enter for Nano).

**Step 3: Set Appropriate Permissions**

1. **Set Permissions for .ssh Directory**:

bash

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chmod 700 ~/.ssh

1. **Set Permissions for authorized\_keys File**:

bash

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chmod 600 ~/.ssh/authorized\_keys

CREATE AN INVENTORY FILE AND ADD THE BELOW DATA WITH YOUR SERVER HOSTNAME AND PASSWORD

vi /etc/ansible/inventory

[postgresServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[masterDirectoryServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[serviceDiscoverServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[dbsConnectorServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[mtaServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[proxyServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[proxyServers:vars]

webmailHostname=testcarbonio.sixthstar.org

[applicationServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[filesServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[previewServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

[antivirusServers]

testcarbonio.sixthstar.org ansible\_user=root ansible\_ssh\_private\_key\_file=/root/.ssh/id\_rsa

# Adding the missing groups

[docsServers]

[replicaDirectoryServers]

[syslogServer]

[prometheusServers]

[videoServers]