

Experiment No. 10: To install Ansible on top of AWS instance, setup Ansible host environment and configure SSH access between Ansible master-slave.

STEP 4: Ansible-master : Ansible Installation

```
#apt update -y
```

Add Ansible Repository

```
# apt-add-repository ppa:ansible/ansible
```

```
#apt update -y
```

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```
# apt-get install ansible -y
```

```
# ansible --version
```

Ansible-slave :

```
#apt update -y
```

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STEP5:

Ansible-master:

```
# nano /etc/ansible/hosts
```

Add ip address of ansible-slave machine

Save the file

STEP6: To create SSH Key:

Ansible-master:

```
root@ip-172-31-18-177:/home/ubuntu# ssh-keygen -t rsa
```

```
root@ip-172-31-18-177:/home/ubuntu# cd /root/.ssh/
```

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```
root@ip-172-31-18-177:~/.ssh# ls
```

```
root@ip-172-31-18-177:~/.ssh# cat id_rsa.pub
```

Copy this key into ansible-slave machine

Ansible-slave:

```
root@ip-172-31-16-10:/home/ubuntu# cd /root/.ssh/
```

```
root@ip-172-31-16-10:~/.ssh# ls
```

```
root@ip-172-31-16-10:~/.ssh# nano authorized_keys
```

Save it.

```
root@ip-172-31-16-10:~/.ssh# nano /etc/ssh/sshd_config
```

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Save it.

STEP7 :

Ansible-master:

```
1] root@ip-172-31-18-177:~/.ssh# ansible -m ping all
```

```
2] root@ip-172-31-18-177:~/.ssh# ansible client_1 -m setup
```

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3]

Ansible-slave:

```
root@ip-172-31-16-10:~/.ssh# git --version
```

So let me remove it

```
root@ip-172-31-16-10:~/.ssh# apt remove git
```

```
root@ip-172-31-16-10:~/.ssh# git --version
```

So now I want to install git on all slave machine

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Ansible-master:

```
root@ip-172-31-18-177:~/.ssh# ansible client_1 -m apt -a "name=git state=present" --become
```

Ansible-slave:

```
root@ip-172-31-16-10:~/.ssh# git --version
```

How to uninstall package from a ansible-master machine?

In ansible-slave machine :

```
root@ip-172-31-16-10:~/.ssh# nano test.txt
```

In ansible-master machine:

```
root@ip-172-31-18-177:~/.ssh# ansible client_1 -m apt -a "name=nano state=absent" --become
```

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In ansible-slave machine:

```
root@ip-172-31-16-10:~/.ssh# nano test.txt
```

In ansible-master machine:

```
root@ip-172-31-18-177:~/.ssh# ansible client_1 -m apt -a "name=nano state=present" --become
```

In ansible-slave machine:

```
root@ip-172-31-16-10:~/.ssh# nano test.txt
```