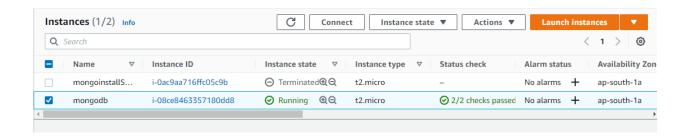
# MongoDB Installation.

#### 1. Create an EC2 instance in AWS.



### 2. Check for the connectivity through SSH of the instance is reachable.

command: ssh -i sadiksha-mongo.pem ubuntu@15.206.171.205

```
sadiksha@sadiksha-VirtualBox:~/Downloads/mongoinstall$ ssh -i sadiksha-mongo.pem ubuntu@15.206.171.205
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1022-aws x86_64)
 * Documentation: <a href="https://help.ubuntu.com">https://help.ubuntu.com</a>
 * Management:
                    https://landscape.canonical.com
 * Support:
                    https://ubuntu.com/advantage
  System information as of Tue Jan 11 02:52:43 UTC 2022
  System load: 0.01 Processes: Usage of /: 37.8% of 7.69GB Users logged in:
                                                              104
  Memory usage: 28%
                                    IPv4 address for eth0: 172.31.35.150
  Swap usage:
 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.
   https://ubuntu.com/aws/pro
0 updates can be applied immediately.
*** System restart required ***
Last login: Tue Jan 11 02:49:49 2022 from 27.34.68.151
ubuntu@ip-172-31-35-150:~$ whoami
ubuntu
```

2. Now, write an ansible playbook to upgrade packagaes, add repository for mongodb key, packages and install mongodb. Then, start the mongod service.

```
name: Download MongoDB repository and install MongoDB
hosts: all
become: true
 - name: Upgrade all packages
   apt:
    name: '*'
    state: latest
 - name: Add Mongo-key Repository
     url: https://www.mongodb.org/static/pgp/server-5.0.asc
  state: present
become: true
 - name: Add Mongo Repository
   apt_repository:
     repo: "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 multiverse"
     state: present
   become: true
 - name: Install MongoDB
    name: mongodb-org
    state: present
 - name: Enable MongoDB to run on boot
   service:
    name: mongod
enabled: yes
     state: started
```

### 3. Add the remote IP in ansible host file at /etc/ansible/hosts.

command: sudo nano /etc/ansible/hosts

```
CNU nano 4.8

#green.example.com
#blue.example.com
#192.168.100.1

# Ex 2: A collection of hosts belonging to the 'webservers' group

#[webservers]
#alpha.example.org
#beta.example.org
#192.168.1.100

# If you have multiple hosts following a pattern you can specify
# then like this:

#hwww[001:006].example.com

# Ex 3: A collection of database servers in the 'dbservers' group

#[dbservers]
# #db01.intranet.mydomain.net
#db02.intranet.mydomain.net
```

# 4. Run the playbook to install mongodb remotely.

command: ansible-playbook -u ubuntu --private-key sadiksha-mongo.pem mongo.yml

### 5. Check if mongodb is installed or not.

command: ssh -i sadiksha-mongo.pem ubuntu@15.206.171.205

command: mongod -version

```
iksha@sadiksha-VirtualBox:~/Downloads/mongoinstall$ ssh -i sadiksha-mongo.pem ubuntu@15.206.171.205
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1022-aws x86_64)
 * Documentation: https://help.ubuntu.com
                     https://landscape.canonical.com
https://ubuntu.com/advantage
 * Management:
 * Support:
  System information as of Tue Jan 11 03:02:33 UTC 2022
  System load: 0.0
Usage of /: 37.8% of 7.69GB
                                                                102
                                      Processes:
                                     Users logged in:
  Memory usage: 28%
                                      IPv4 address for eth0: 172.31.35.150
  Swap usage: 0%
 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.
   https://ubuntu.com/aws/pro
0 updates can be applied immediately.
*** System restart required ***
Last login: Tue Jan 11 02:52:44 2022 from 27.34.68.151
ubuntu@ip-172-31-35-150:~$ mongod --version
db version v5.0.5
Build Info: {
    "version": "5.0.5",
    "gitVersion": "d65fd89df3fc039b5c55933c0f71d647a54510ae",
    "openSSLVersion": "OpenSSL 1.1.1f 31 Mar 2020",
    "modules": [],
"allocator": "tcmalloc",
    "environment": {
    "distmod": "ubuntu2004",
    "distarch": "x86_64",
    "target_arch": "x86_64"
```