Ansible Playbook:

Pre-requisites:
> - Ansible as Controller (*To perform Ansible operations*)
> - SSH Keys (*To allow connection to EC2 instances*)

Note: Generate "again" public key using root account from Ansible Controller (E.g. dokcer) and add to "authorized_keys"

Verification:
1.) To verify SSH connection, Connect to APP, WEB and DB instances
2.) Run "ansible all -m ping" to verify added hosts from Controller

Connection verification: https://github.com/bdadullajr/terraprovi/blob/master/evidence/ansible_connection.gif

WEB:

1.) Login to any terminal server that can perform clone using root account
2.) cd to "/etc/ansible/" location
3.) run "git clone https://github.com/bdadullajr/terraprovi.git"
4.) cd to "terraprovi/ansible/playbooks/web" location
5.) Run "ansible-playbook httpd.yml" to install the package

Apache Installation: https://github.com/bdadullajr/terraprovi/blob/master/evidence/ansible_web_httpd.gif

APP:

1.) Login to any terminal server that can perform clone using root account
2.) cd to "/etc/ansible/" location
3.) run "git clone https://github.com/bdadullajr/terraprovi.git"
4.) cd to "terraprovi/ansible/playbooks/app" location
5.) Run "ansible-playbook tomcat.yml" to install the package

Tomcat Installation: https://github.com/bdadullajr/terraprovi/blob/master/evidence/ansible_app_tomcat.gif

DB:

1.) Login to any terminal server that can perform clone using root account
2.) cd to "/etc/ansible/" location
3.) run "git clone https://github.com/bdadullajr/terraprovi.git"
4.) cd to "terraprovi/ansible/playbooks/db" location
5.) Run "ansible-playbook mysql.yml" to install the package

MariaDB Installation: https://github.com/bdadullajr/terraprovi/blob/master/evidence/ansible_db_maraidb.gif

Ansible controller folder structure for APP, WEB and DB instances

```
[root@docker playbooks]# pwd
/etc/ansible/terraprovi/ansible/playbooks
[root@docker playbooks]#
[root@docker playbooks]# tree .
.
|-- app
|   `-- tomcat.yml
|-- db
|   `-- mysql.yml
`-- web
    `-- httpd.yml

3 directories, 3 files
[root@docker playbooks]#
```