

ansible role to install a meanstack app

create 3 roles

prerequisites

mongodb

nodejs

sudo ansible-galaxy init prerequisites

sudo ansible-galaxy init mongodb

sudo ansible-galaxy init nodejs

cd prerequisites/tasks/

nano main.yml

```
- name: install git
  apt:
    name: git
    state: present
    update_cache: yes
```

save and exit

go to mongodb role and configure task file

cd mongodb/tasks/

nano main.yml

```
- name: mongoDB - Import public key
  apt_key:
    keyserver: hkp://keyserver.ubuntu.com:80
    id: EA312927

- name: mongoDB - Add repository
  apt_repository:
    filename: '/etc/sources.list.d/mongodb-org-3.2.list'
    repo: 'deb http://repo.mongodb-org/3.2 multiverse'
    state: present
    update_cache: yes

- name: mongoDB - Install mongoDB
  apt:
    name: mongodb.org
    state: present
```

```

    update_cache: yes

- name: start mongod
  shell: "mongob &"
save n exit

go to nodejs role and configure task file

- name: Node.js - Get script
  Get_url:
    url: "http://deb.nodesource.com/setup_6.x"
    dest: "{{ var_node }}/nodejs.sh"

- name: Node.js - Set execution permission to script
  file:
    path: "{{ var_node }}/nodejs.sh"
    mode: "u+x"

- name: Node.js - Execute installation script
  shell: "{{ var_node }}/nodejs.sh"

- name: Node.js - remove installation script
  file:
    path: "{{ var_node }}/nodejs.sh"
    state: absent

- name: Node.js - install Node.js
  apt: name={{ item }} state=present update_cache=yes
  with_items:
    - build-essential
    - nodejs

- name: Install NPM
  apt:
    name: npm
    state: present

- name: Node.js | Install bower globally
  npm: name={{ item }} state=present global=yes
  with_items:
    - bower
    - gulp

```

save and exit

all roles are configure

go out of the roles directory

cd ../../..

create a playbook in ansible directory to run d roles

nano meanstack.yml

```
---
- hosts: all
  become: true
  vars:
    #variables needed during node instatllation
    var_node: /tmp
  roles:
    - prerequisites
    - mongodb
    - nodejs
```

save and exit

go to slave machine and run the command

sudo apt-key list | grep "expired:"

sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys
0xd68fa50fea312927

sudo su cd /var/lib/dpkg/ #remove lops here

rm lock-frontend

rm lock

go to control machine and run your ansible

sudo ansible-playbook /etc/ansible/meanstack.yml -k