**https://awsbloglink.wordpress.com/2017/11/02/how-to-install-jenkins-using-ansible/**

**1.Create YAML on Ansible server**

**1.1.Create PlayBook**

# ***cat site.yml***

**---**

**- name: Install Jenkins**

**hosts: jenkins**

**gather\_facts: false**

**become: true**

**tasks:**

**- import\_role:**

**name: jenkins**

**1.2.Create a role**

# ***cat roles/jenkins/tasks/main.yml***

**---**

**- name: install wget**

**yum:**

**name: wget**

**state: present**

**- name: install openjdk**

**yum:**

**name: java-1.8.0-openjdk**

**state: present**

**- name: download jenkins.repo**

**get\_url:**

**url: http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo**

**dest: /etc/yum.repos.d/jenkins.repo**

**- name: import jenkins key**

**rpm\_key:**

**state: present**

**key: https://jenkins-ci.org/redhat/jenkins-ci.org.key**

**- name: install jenkins**

**yum:**

**name: jenkins**

**state: present**

**- name: start jenkins**

**systemd:**

**name: jenkins**

**state: started**

**- name: enable jenkins**

**systemd:**

**name: jenkins**

**enabled: true**

**- name: sleep for 30 seconds and continue with play**

**wait\_for: timeout=30**

**delegate\_to: localhost**

**- name: init password jenkin**

**shell: cat /var/lib/jenkins/secrets/initialAdminPassword**

**changed\_when: false**

**register: result**

**- name: print init password jenkins**

**debug:**

**var: result.stdout**

**2.Building Jenkins**

**2.1.Build Jenkins from Ansible server**

# ***ansible-playbook -i inventory/hosts site.yml***

**PLAY [Install Jenkins] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**TASK [jenkins : install wget] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : install openjdk] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : download jenkins.repo] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : import jenkins key] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : install jenkins] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : start jenkins] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**changed: [172.31.20.62]**

**TASK [jenkins : enable jenkins] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**ok: [172.31.20.62]**

**TASK [jenkins : sleep for 30 seconds and continue with play] \*\*\*\*\*\*\*\*\*\*\*\*\*\***

**ok: [172.31.20.62 -> localhost]**

**TASK [jenkins : init password jenkin] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**ok: [172.31.20.62]**

**TASK [jenkins : print init password jenkins] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**ok: [172.31.20.62] => {**

**"result.stdout": "145a4427b9b94afdacbe724d7db6bd2c"**

**}**

**PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**172.31.20.62 : ok=10 changed=6 unreachable=0 failed=0**