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**How to install Jenkins using Ansible Version 2018**

[2018-10-08](https://awsbloglink.wordpress.com/2018/10/08/how-to-install-jenkins-using-ansible-version-2018/)

**Introduction**

**I will describe the procedure to install Jenkins using Ansible. I have written articles on how to install Jenkins before. This time, we refactored the Playbook and updated Jenkins’ screen.**

**(Ansible server)**

**– Virtualization software: AWS EC 2**

**– OS: Amazon Linux 2**

**(Jenkins server)**

**– Virtualization software: AWS EC 2**

**– OS: CentOS Linux release 7.5.1804 (Core)**

**Install Jenkins with Ansible**

**Create Playbook that you specify with ansible-playbook.**

**Describe important items of Playbook.**

**tasks:**

**– Install yum: Install wget and openjdk.**

**– Download jenkins.repo: Get the repository of yum to install Jenkins.**

**– Import Jenkins Key: Import Jenkins’ rpm key.**

**– Install Jenkins: Install Jenkins.**

**– Start & Enable Jenkins: Set startup and automatic startup of Jenkins.**

**– Sleep for 30 seconds and continue with play: Wait 30 seconds for the service to start completely.**

**– Get init password Jenkins: Get the initial password randomly generated by Jenkins.**

**– Print init password Jenkins: Display the initial password randomly generated by Jenkins.**

# ***cat linux\_jenkins.yml***

**---**

**- name: Install Jenkins**

**hosts: linux**

**gather\_facts: false**

**become: true**

**tasks:**

**- name: Install yum**

**yum:**

**name:**

**- wget**

**- java-1.8.0-openjdk**

**- 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 & Enable Jenkins**

**systemd:**

**name: jenkins**

**state: started**

**enabled: true**

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

**wait\_for: timeout=30**

**- name: Get init password Jenkins**

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

**changed\_when: false**

**register: result**

**- name: Print init password Jenkins**

**debug:**

**var: result.stdout**

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