

A PROJECT ON

DEPLOYMENT OF WAR FILE INTO THE TOMCAT USING ANSIBLE PLAYBOOKS

➤ Playbook Yaml script :

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- hosts: all
  become: yes
  vars: #variables to store the data
    a:
      - java
      - git
      - maven
  tasks:
    - name: install packages
      yum: # to install yum packages like git maven java
        name: "{{a}}"
        state: present
# to download and extract tomcat
    - name: Download Apache Tomcat
      get_url:
        url: "https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.89/bin/apache-tomcat-9.0.89.tar.gz"
        dest: /tmp/
    - name: Extract Tomcat
      unarchive:
        src: /tmp/apache-tomcat-9.0.89.tar.gz
        dest: /opt
        remote_src: yes
# to run tomcat using shell module
    - name: run Tomcat
      shell: nohup ./startup.sh
      args: : #args a module used to pass a named parameter like chdir
        chdir: /opt/apache-tomcat-9.0.89/bin
# to clone the git repo and for maven build
- hosts: all
  become: true
  tasks:
    - name: Clone Git repository
      git:
```

repo: <https://github.com/praveen-gogula/casino.git>
dest: "casino"

- name: Build project with Maven

command: mvn package

args:

chdir: "casino"

to deploy war file in tomcat as ROOT.war

- name: deploy war file into tomcat

copy:

src: casino/target/casino.war

dest: /opt/apache-tomcat-9.0.89/webapps/ROOT.war

remote_src: yes