**Simple DevOps Project -02**

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**Prerequisites:**

1. Ansible server [**Get Help Here**](https://www.youtube.com/watch?v=79xFyOc_eEY)
2. Jenkins Server [**Get Help Here**](https://www.youtube.com/watch?v=M32O4Yv0ANc)
3. Tocmat Server [**Get Help Here**](https://www.youtube.com/watch?v=m21nFreFw8A)

**Part-01 Integration Setps**

Install "publish Over SSH"

* Manage Jenkins > Manage Plugins > Available > Publish over SSH

Enable connection between Ansible and Jenkins

* Manage Jenkins > Configure System > Publish Over SSH > SSH Servers
  + SSH Servers:
    - Hostname:<ServerIP>
    - username: ansadm
    - password: \*\*\*\*\*\*\*

Test the connection "Test Connection"

**Part-02 - Execute job to connect**

create a copywarfile.yml on Ansible under /opt/playbooks

# copywarfile.yml

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- hosts: all

become: true

tasks:

- name: copy jar/war onto tomcat servers

copy:

src: /op/playbooks/wabapp/target/webapp.war

dest: /opt/apache-tomcat-8.5.32/webapps

Add tomcat server details to /etc/ansible/hosts (if you are using other hosts file update server info there)

echo "<server\_IP>" >> /etc/ansible/hosts

Create *Jenkins job*, Fill the following details,

* *Source Code Management:*
  + Repository: https://github.com/ValaxyTech/hello-world.git
  + Branches to build : \*/master
* *Build:*
  + Root POM:pom.xml
  + Goals and options : clean install package
* *Add post-build steps*
  + Send files or execute commands over SSH
    - SSH Server : ansible\_server
    - Source fiels: webapp/target/\*.war
    - Remote directory: //opt//playbooks
* *Add post-build steps*
  + Send files or execute commands over ssH
    - SSH Server : ansible\_server
    - Exec command ansible-playbook /opt/playbooks/copywarfile.yml

Execute job and you should be able to seen build has been deployed on Tomcat server.