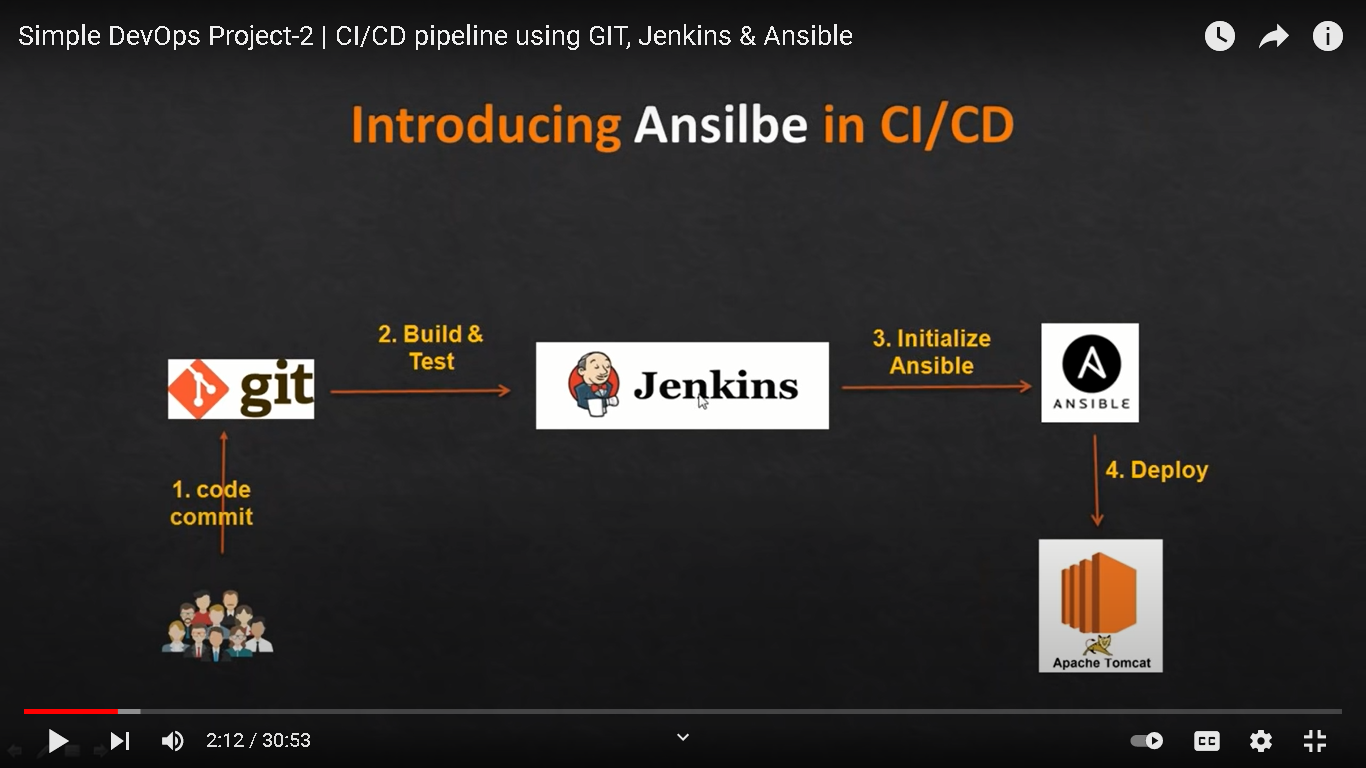
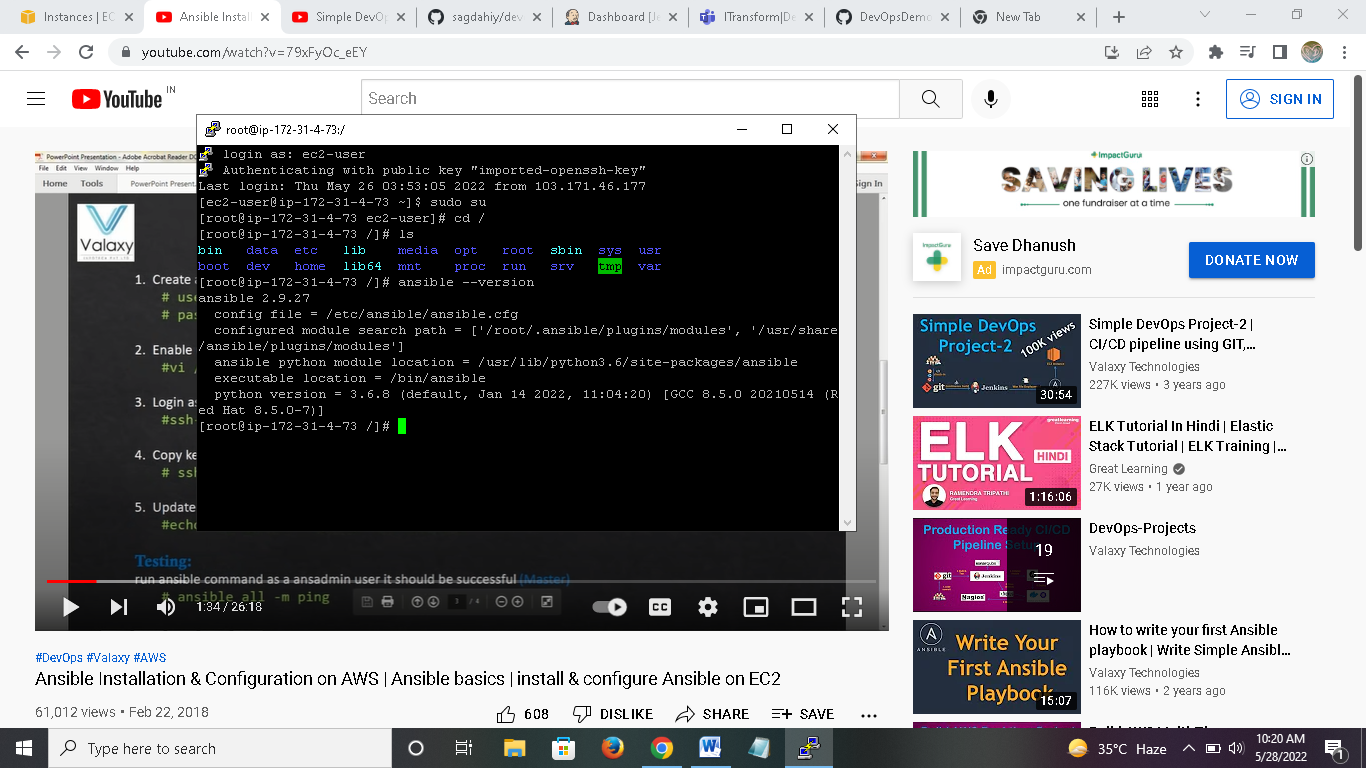
**DEVOPS PROJECT 2**

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**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*INSTALLATION OF ANSIBLE AND CONNECTION BTW ANSIBLE AND TOMCAT SERVER \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

* Launch 2 redhat linux ec2 instance :ansible and tomcat
* Update your ec2 instance using “yum update”in both.
* Add third party repository named EPEL(extra package for enterprise linux in ansible.
* Install ansible using “yum install ansible” in ansible.
* Check ansible installed or not by “ansible –version” in ansible.

****

**CONFIGURATION**

* Create new user for ansible administration for both:tomcat and ansible:

Useradd ansadmin

Passwd ansadmin

* Enable userlogin on ansible ec2 instance:

Vi /etc/ssh/sshd\_config

* Provide root access to ansadmin user in both instance :
* Go to “visudo”

ansadmin ALL=(ALL) NOPASSWD:ALL #it provide root access ti ansadmin.

* Login as ansadmin user on ansible server and generate ssh key

ssh-keygen

* Copy key to target servers: “ssh-copy-id 172.31.11.90” #ip address of tomcat server.
* You can check connection setup or not by :ssh 172.31.11.90
* Add tomcat server as hosts in ansible:

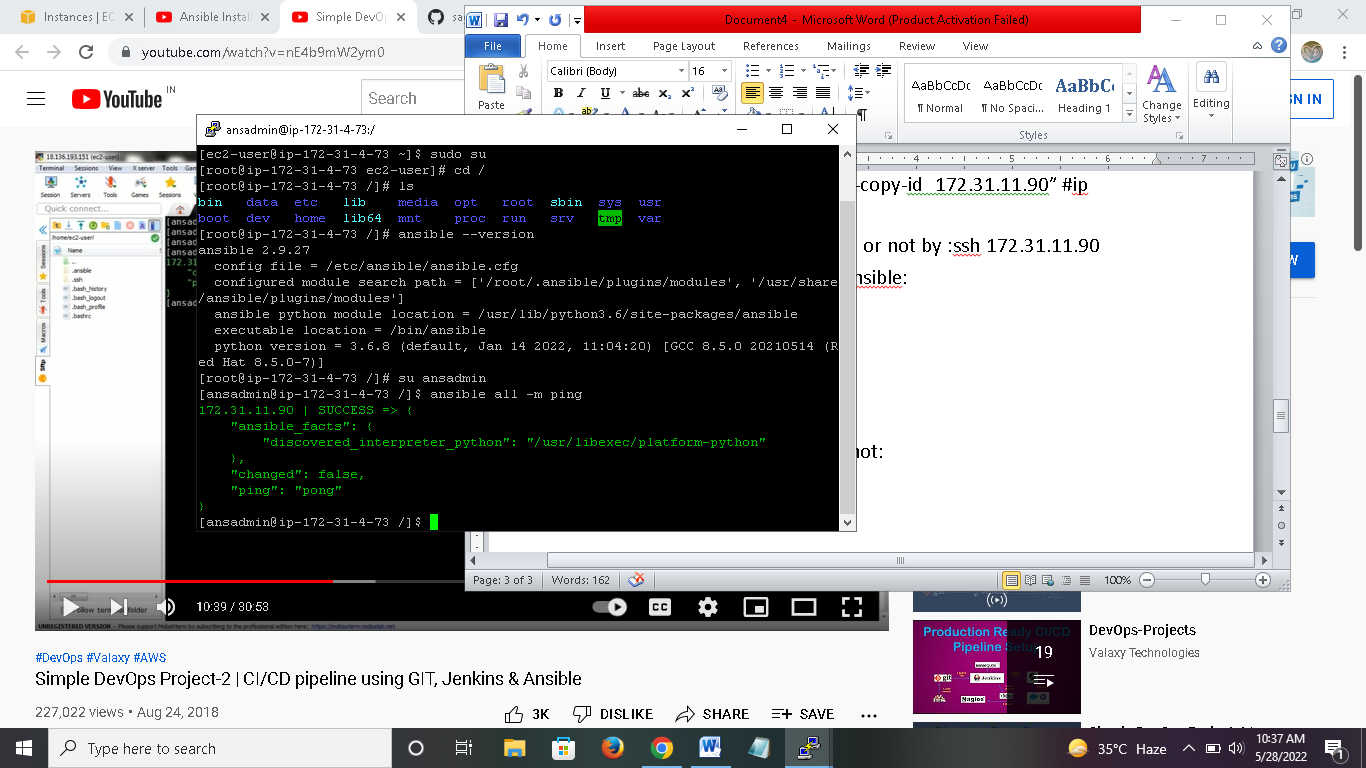
vi /etc/ansible/host

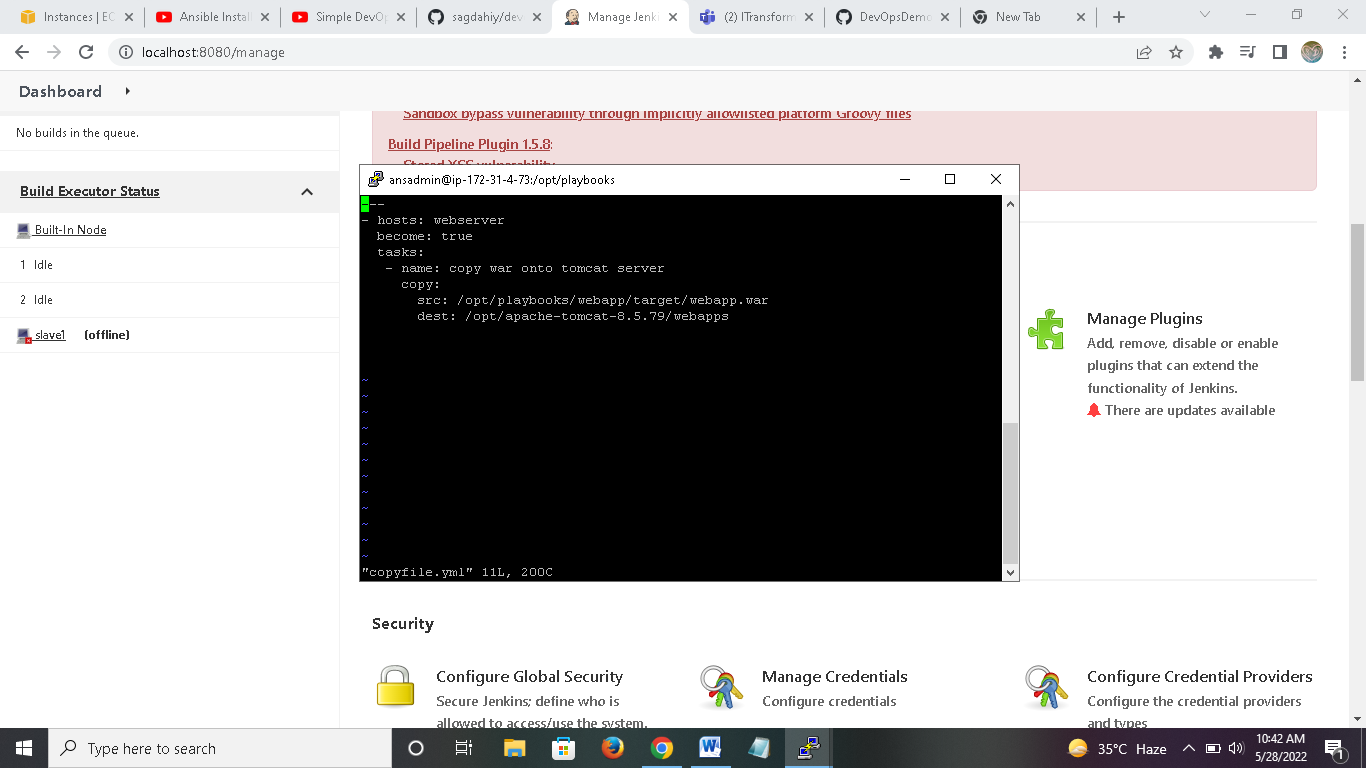
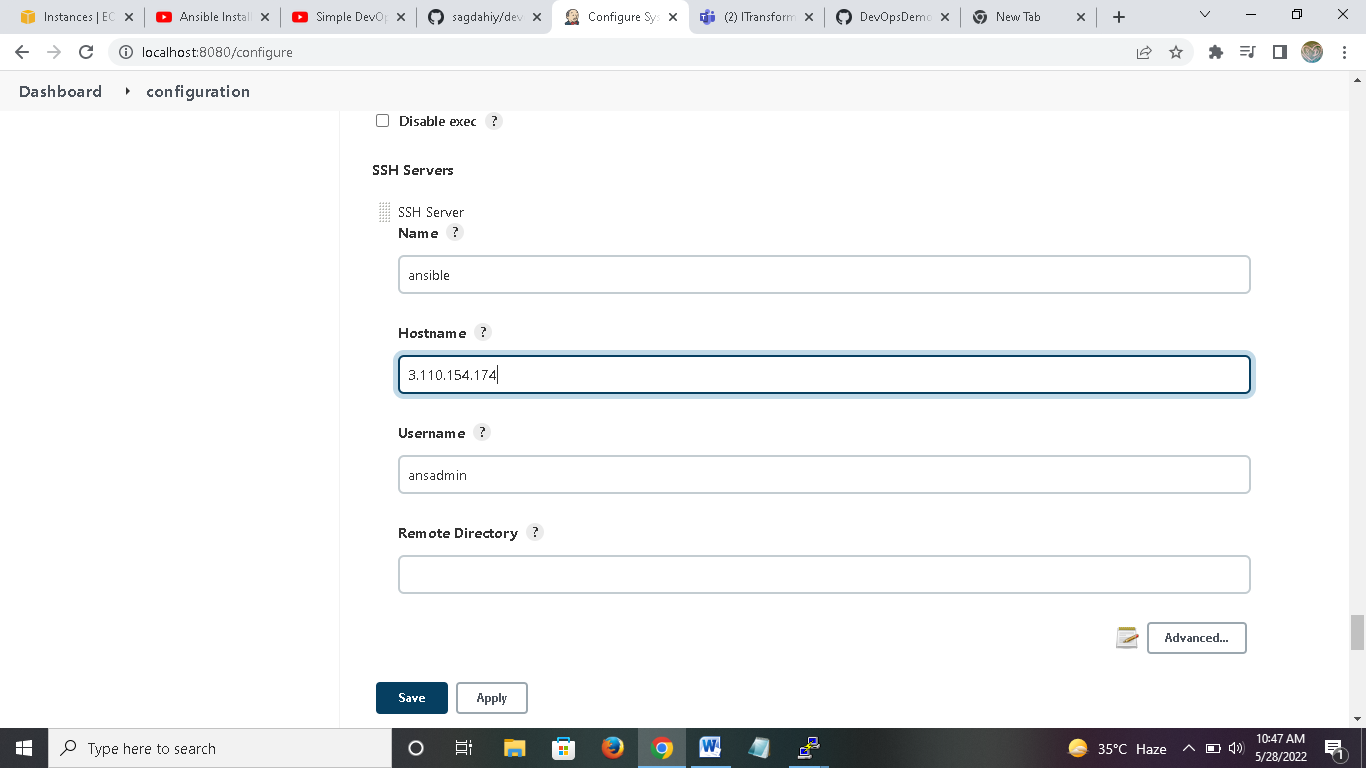
[webserver]

172.31.11.90

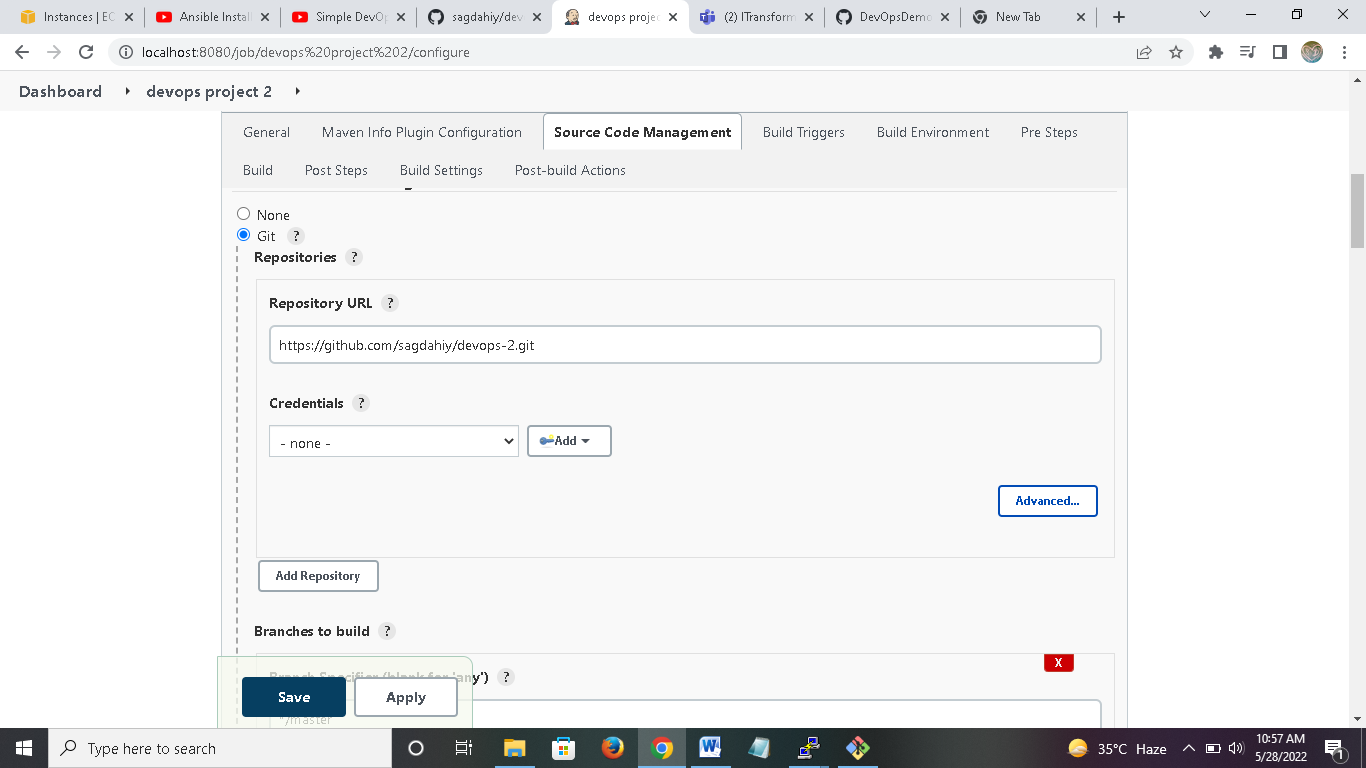
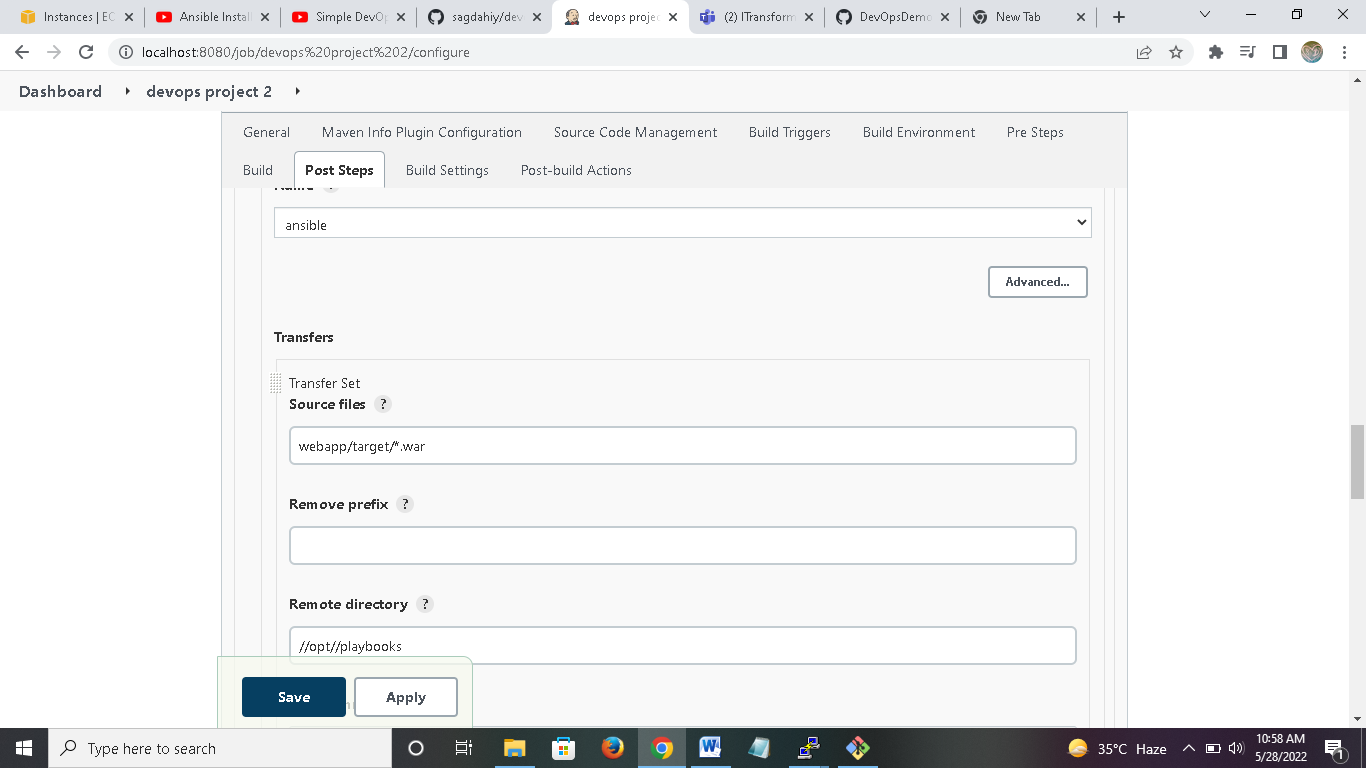
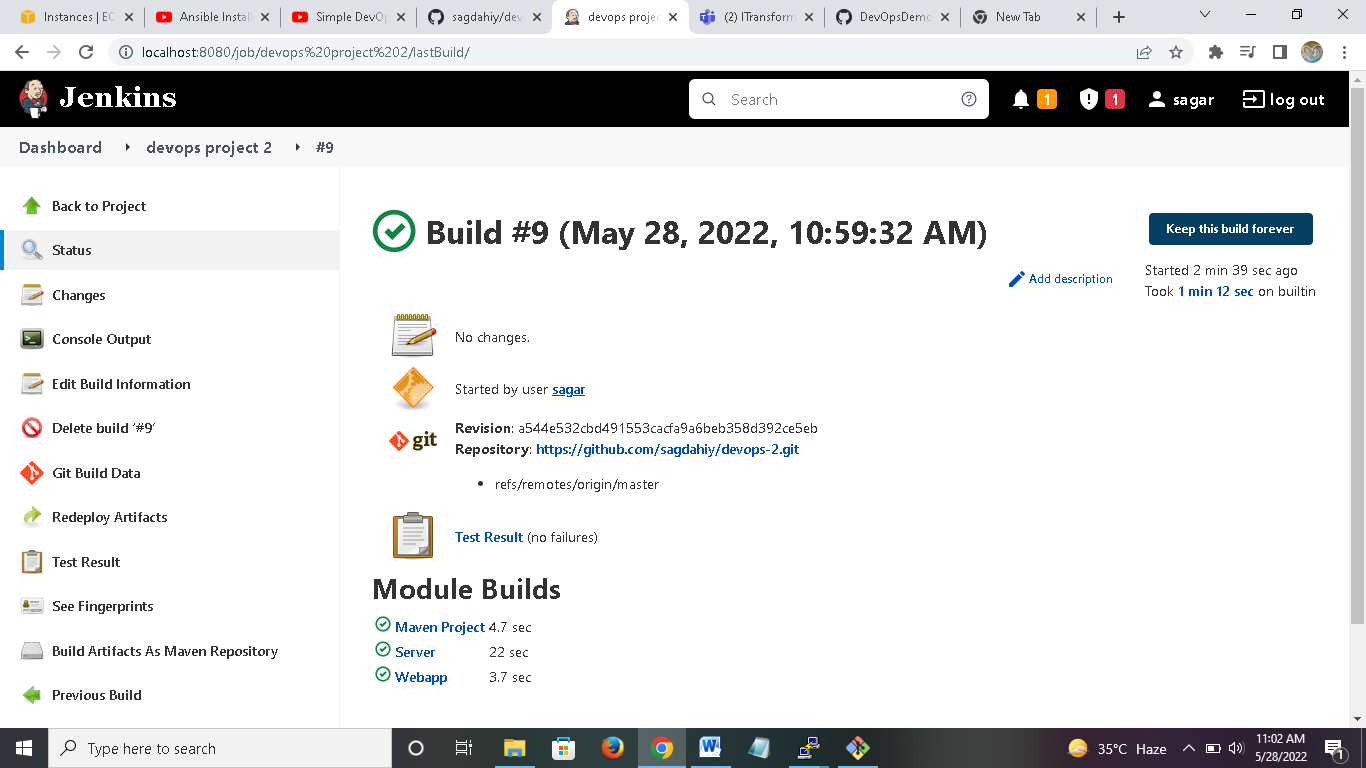
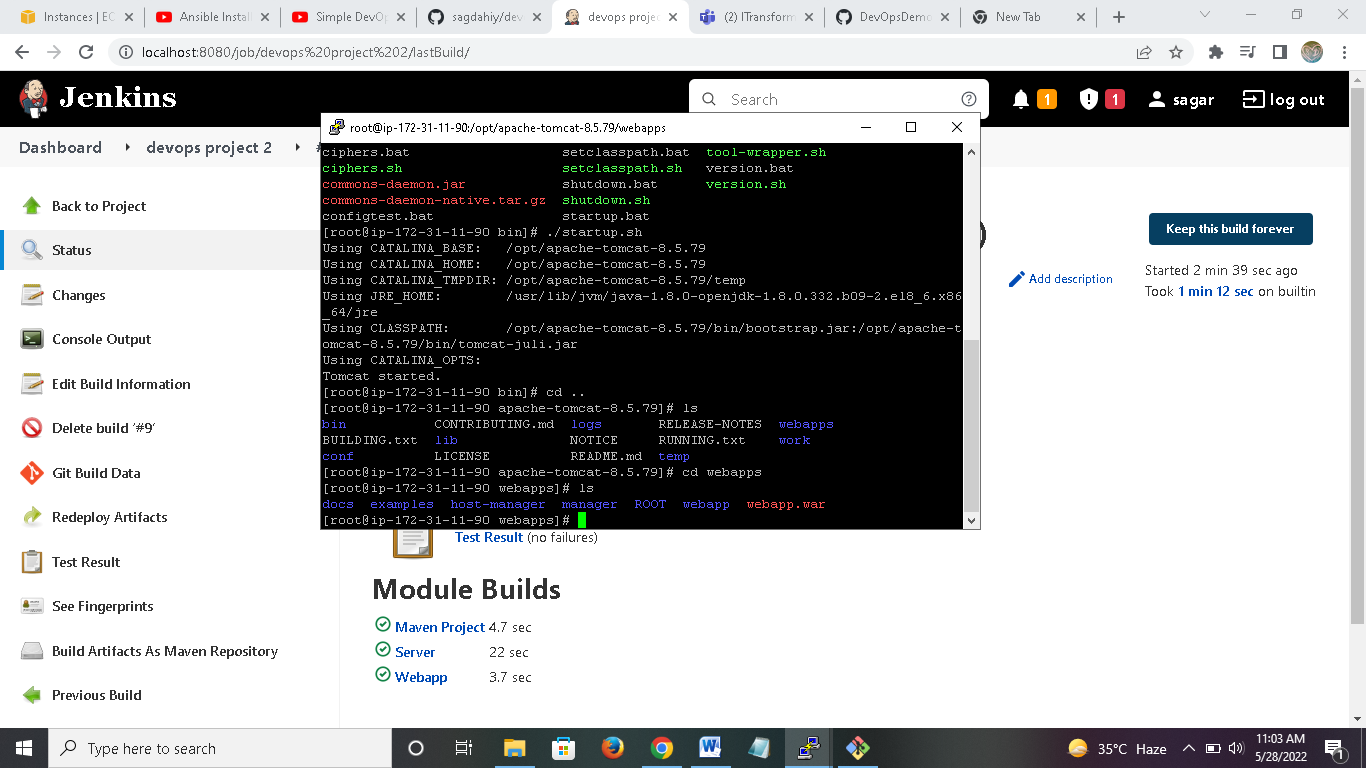
* Ping to check host available or not:

Ansible all –m ping



* Create “copyfile.yml” playbook inside /opt/playboks/.
* We need to create playbook for transfer file from ansible server to tomcat server.
* 
* Go to Jenkins server.
* Install “publish over ssh” plugin.
* Enable connection between Ansible and Jenkins.
* Manage Jenkins > Configure System > Publish Over SSH > SSH Servers
  + SSH Servers:
    - Hostname:< 3.110.154.174>
    - username: ansadmin
    - password: \*\*\*\*\*\*\*
* 
* Make new maven project named as devops project 2:

Create *Jenkins job*, Fill the following details,

* *Source Code Management:*
  + Repository: https://github.com/sagdahiy/devops-2.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
    - 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
* Build devops project 2
* 
* You can check webapp.war file copied from ansible to tomcat server.
* 
* You can access Tomcat server in web browser :
* http://65.0.180.237:8080/webapp/

