

1. Output:-

Login - Mozilla Firefox

New Tab x ILP2_CI-CD_Bookstore x Login x +

10.199.1.10:12012/ILP_Bookstore/

Book Store

Email

Password

Login

[Forgot password?](#) [New User ?](#)

2. IP Address of my VM

```
osgdev@TG-Devops-OS018: ~/ansilab
osgdev@TG-Devops-OS018:~/ansilab/tomcat/apache-tomcat-8.5.27/webapps$ cd ~
osgdev@TG-Devops-OS018:~$ cd ansilab/
osgdev@TG-Devops-OS018:~/ansilab$ ifconfig
ens160    Link encap:Ethernet  HWaddr 00:50:56:a0:3f:6b
          inet addr:10.199.1.10  Bcast:10.199.15.255  Mask:255.255.240.0
          inet6 addr: fe80::250:56ff:fea0:3f6b/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:162810061 errors:0 dropped:0 overruns:0 frame:0
          TX packets:5062236 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:22374042057 (22.3 GB)  TX bytes:2072570123 (2.0 GB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:17812885 errors:0 dropped:0 overruns:0 frame:0
          TX packets:17812885 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:1848198017 (1.8 GB)  TX bytes:1848198017 (1.8 GB)

virbr0    Link encap:Ethernet  HWaddr 00:00:00:00:00:00
          inet addr:192.168.122.1  Bcast:192.168.122.255  Mask:255.255.255.0
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)

osgdev@TG-Devops-OS018:~/ansilab$
```

3. Tree:

```
osgdev@TG-Devops-OS018: ~/ansilab
osgdev@TG-Devops-OS018:~/ansilab$ tree roles/tomcat/
roles/tomcat/
├── apache-tomcat-8.5.27
│   └── webapps
│       └── ILP_Bookstore.war
├── defaults
│   └── main.yml
├── files
│   └── apache-tomcat-8.5.27.tar.gz
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── README.md
├── tasks
│   └── main.yml
├── templates
│   └── server.xml.j2
├── tests
│   ├── inventory
│   └── test.yml
├── tom.yml
└── vars
    └── main.yml

10 directories, 12 files
osgdev@TG-Devops-OS018:~/ansilab$
```

4. roles/tomcat

```
osgdev@TG-Devops-OS018: ~/ansilab
hosts: localhost
roles:
- tomcat

"roles/tomcat/tom.yml" 3L, 39C
```

1,1

5. tasks/main.yml

```
osgdev@TG-Devops-OS018: ~/ansilab
# tasks file for roles/tomcat
- name: Install the tomcat
  file:
    path: /home/osgdev/ansilab/tomcat
    state: directory

- name: Unarchive the tomcat the folder
  unarchive:
    src: apache-tomcat-8.5.27.tar.gz
    dest: /home/osgdev/ansilab/tomcat/

- name: change port address
  template:
    src: server.xml.j2
    dest: /home/osgdev/ansilab/tomcat/apache-tomcat-8.5.27/conf/server.xml

- name: start the tomcat server
  shell: /home/osgdev/ansilab/tomcat/apache-tomcat-8.5.27/bin/startup.sh

roles/tomcat/tasks/main.yml" 20L, 505C 1,1 All
```

6. .war file

```
osgdev@TG-Devops-OS018: ~/ansilab/tomcat/apache-tomcat-8.5.27/webapps
osgdev@TG-Devops-OS018:~/ansilab$ tree roles/tomcat/
roles/tomcat/
├── apache-tomcat-8.5.27
│   └── webapps
│       └── ILP_Bookstore.war
├── defaults
│   └── main.yml
├── files
│   └── apache-tomcat-8.5.27.tar.gz
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── README.md
├── tasks
│   └── main.yml
├── templates
│   └── server.xml.j2
├── tests
│   ├── inventory
│   └── test.yml
├── tom.yml
├── vars
│   └── main.yml
└── 10 directories, 12 files

osgdev@TG-Devops-OS018:~/ansilab$ vi roles/tomcat/tasks/main.yml
osgdev@TG-Devops-OS018:~/ansilab$ vi roles/tomcat/tom.yml
osgdev@TG-Devops-OS018:~/ansilab$ cd tomcat/apache-tomcat-8.5.27/webapps/
osgdev@TG-Devops-OS018:~/ansilab/tomcat/apache-tomcat-8.5.27/webapps$ ls
docs  examples  host-manager  ILP_Bookstore  ILP_Bookstore.war  manager  ROOT
osgdev@TG-Devops-OS018:~/ansilab/tomcat/apache-tomcat-8.5.27/webapps$
```