**Files in LandingPageDeployments:**

LandingPageDeployments: hosts roles site.yml

roles: tasks vars handlers

tasks: main.yml; vars: main.yml; handlers: main.yml

**site.yml:**

contains role name and host name

**hosts:**

hosts file consists of remote host IP addresses. We need to maintain an ssh connection between Ansible server and remote host (server on which this service should be deployed).

Establishing password less ssh connections i.e., without entering any password will increase the trust between two Linux servers.

Steps for password less ssh connection:

**In Ansible server:**

**ssh keygen –t rsa** //Creates SSH keys with both public and private key

**ssh usernameofremote@IPofremote mkdir –p .ssh** // Creating .ssh folder in remote server

**cat .ssh/id\_rsa.pub | ssh usernameofremote@IPofremote ‘cat >> .ssh/authorized\_keys’** //copying public key of Ansible server to authorized keys file in .ssh folder of remote server

**ssh usernameofremote@IPofremote “chmod 700 .ssh; chmod 640 .ssh/authorized\_keys”** //Changing permissions

**ssh usernameofremote@IPofremote** //logins to remote server without password

**roles**:

Contains tasks, vars and handlers. Each folder contains one main.yml

**Tasks**: The tasks to be performed i.e., downloading file from nexus and the further steps. It will use variables in main.yml of vars.

**vars**: Contains nexus url, repository names, artifact names, path for downloading war files.

**handlers:** We can specify restart, stop or start options in handlers by specifying an notify option in tasks.

**Executing Playbook:**

To check the connection with remote server: ansible all –i hosts –m ping

To run playbook ansible-playbook –i hosts –s site.yml –e deploy.sh **//with shell script**

ansible-playbook –i hosts –s site.yml –e command=”echo one” –e user=”user name” //With some parameters.