Ansible Homework

Steps to follow to connect to Ansible tower homework LAB

1. **Setting environment variables**

Create a config file for same.

export TOWER\_GUID=026f

export MYKEY=/root/.ssh/mykey.pem

export MYUSER=sa0030514-techmahindra.com

export OSP\_GUID=84fd

Not required from laptop as working directly on the VM and not from the laptop.

1. **To verify connectivity between Workstation and baston**.

The private key ppk to be converted to .pem file and then to be uploaded on baston at /root/.ssh.

ssh -i /root/.ssh/mykey.pem [sa0030514-techmahindra.com@workstation-84fd.rhpds.opentlc.com](mailto:sa0030514-techmahindra.com@workstation-dd6c.rhpds.opentlc.com)

1. **Cloned directory form github.**

<https://github.com/redhat-gpte-devopsautomation/ansible_advance_homework.git>

<https://github.com/SaraAk-Arch/ansible_advance_homework-1>

1. **Forked to bastion host.**

git clone <https://github.com/SaraAk-Arch/ansible_advance_homework-1>

cd /root/ansible\_advance\_homework

1. **To run the actual homework assignment :**
   1. **Set variables**

cd /root/ansible\_advance\_homework-1

export TOWER\_GUID=026f

export MYKEY=/root/.ssh/mykey.pem

export MYUSER=sa0030514-techmahindra.com

export OSP\_GUID=84fd

export OPENTLC\_LOGIN=sa0030514-techmahindra.com

export GITHUB\_REPO=https://github.com/SaraAk-Arch/ansible\_advance\_homework-1

export JQ\_REPO\_BASE=http://www.opentlc.com/download/ansible\_bootcamp

export REGION=us-east-1

export PRIVATE\_KEY=/root/.ssh/mykey.pem

export [RH\_MAIL\_ID=sa0030514@techmahindra.com](mailto:RH_MAIL_ID=sa0030514@techmahindra.com)

* 1. **Execute the main script as below:**

ansible-playbook site-config-tower.yml -e OSP\_GUID=${OSP\_GUID} -e GUID=${TOWER\_GUID} -e ansible\_user=${OPENTLC\_LOGIN} -e ansible\_ssh\_private\_key\_file=${PRIVATE\_KEY} -e opentlc\_login=${OPENTLC\_LOGIN} -e opentlc\_password=${OPENTLC\_PASSWORD} -e param\_repo\_base=${GITHUB\_REPO} -e tower\_GUID=${TOWER\_GUID} -e path\_to\_opentlc\_key=${PRIVATE\_KEY} -e github\_repo=${GITHUB\_REPO} -e osp\_GUID=${OSP\_GUID} -e REGION\_NAME=${REGION} -e EMAIL=${RH\_MAIL\_ID}

C. **Remove package dependencies**

yum list --showduplicates glibc

yum –y downgrade glibc glibc-common glibc-devel glibc-headers

rpm -qa | grep libgomp

yum remove libgomp-4.8.5-16.el7.x86\_64

yum install gcc

yum --showduplicates list python-devel-2.7.5

yum install <ftp://ftp.pbone.net/mirror/ftp.scientificlinux.org/linux/scientific/7.0/x86_64/updates/security/python-devel-2.7.5-58.el7.x86_64.rpm>

1. **Login to tower and execute CICD job**

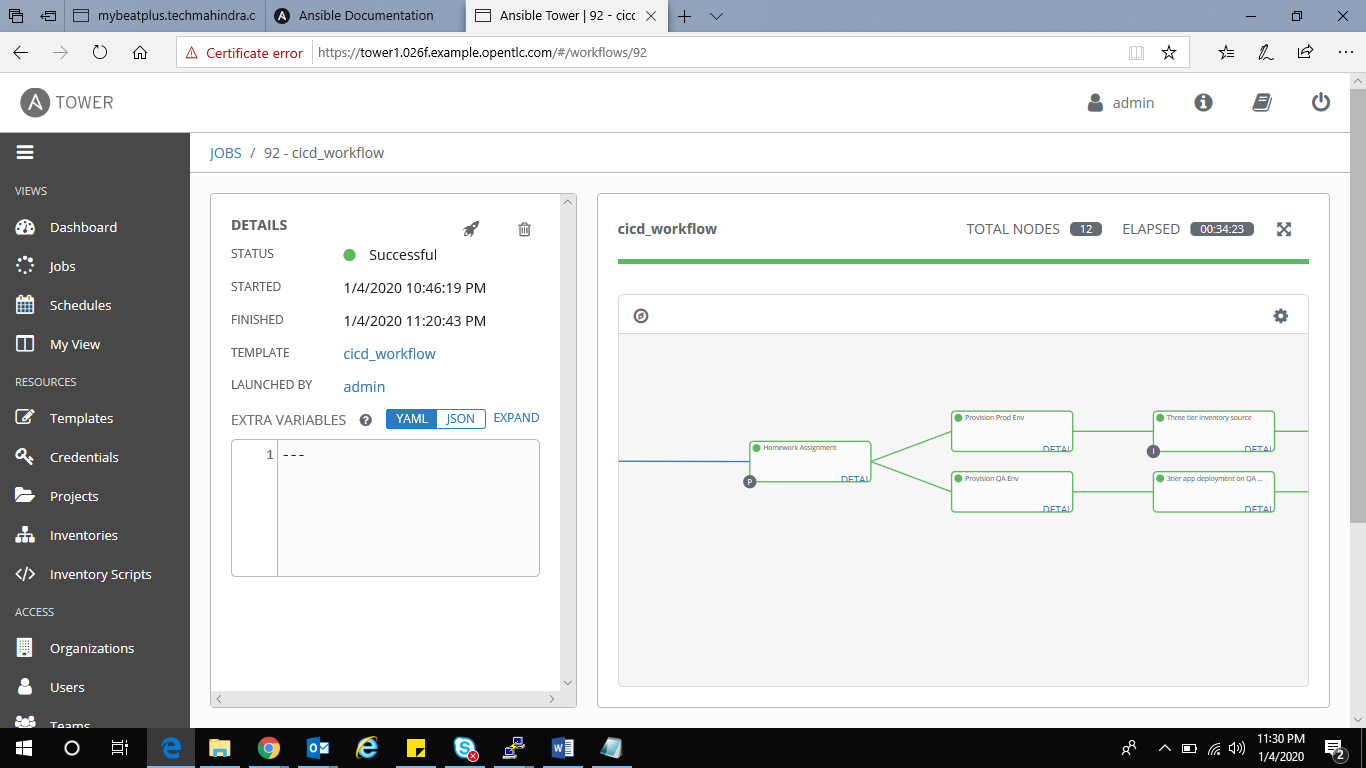
<https://tower1.026f.example.opentlc.com/>

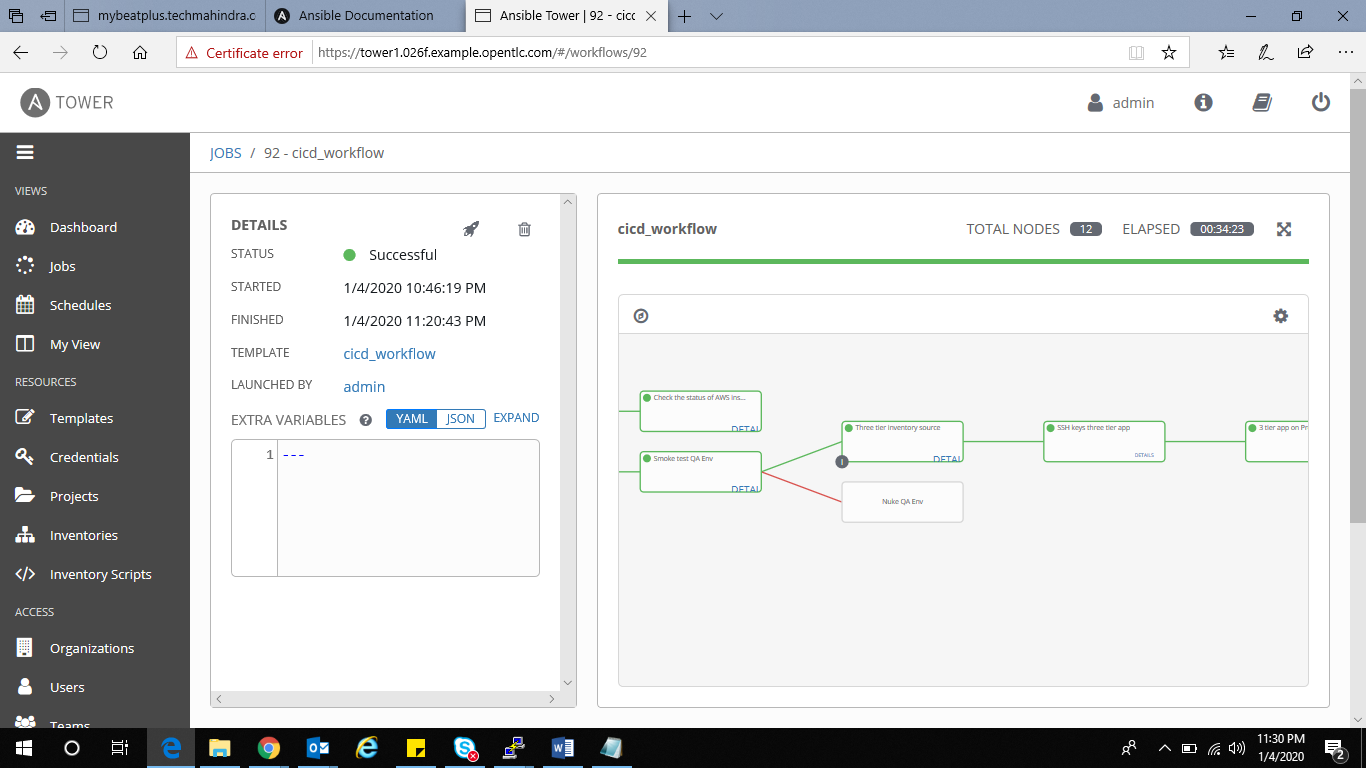
Using credentials :

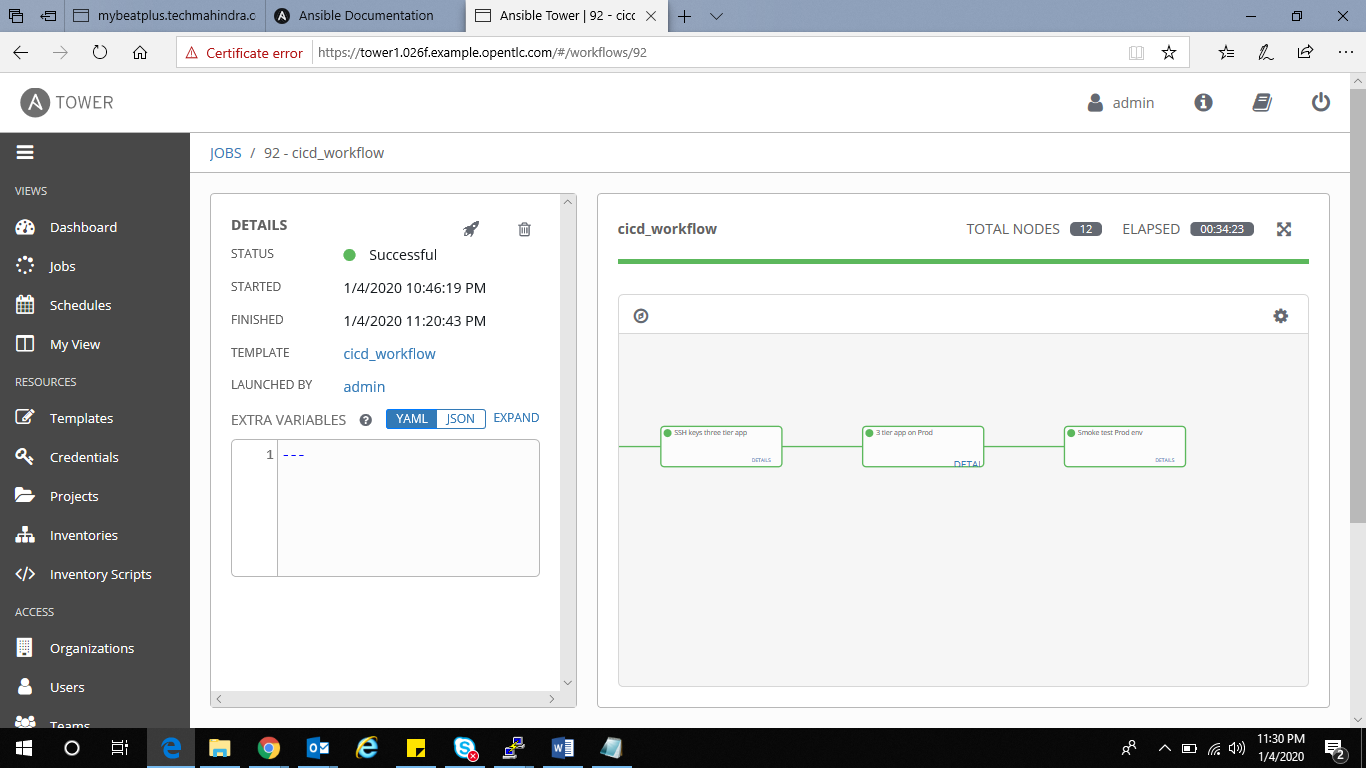
Username : admin

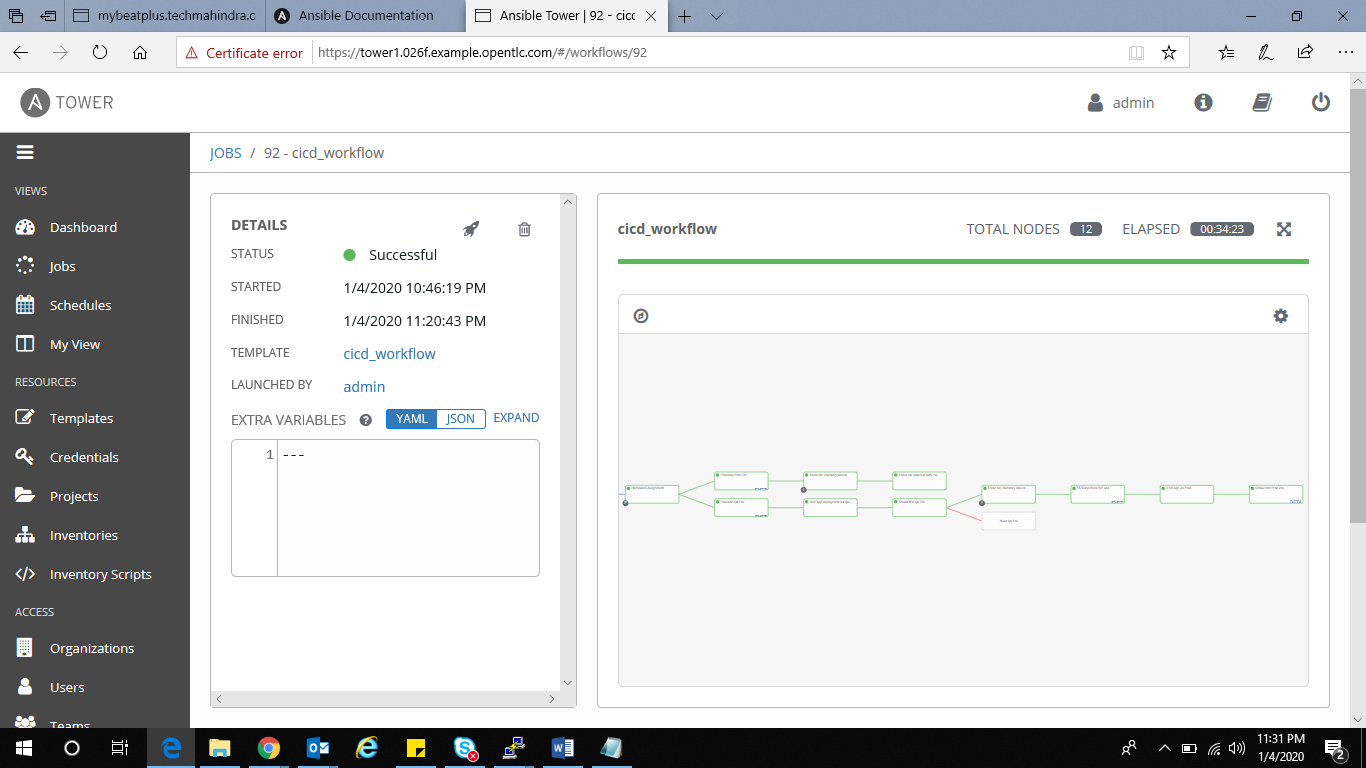
Password: r3dh4t1!

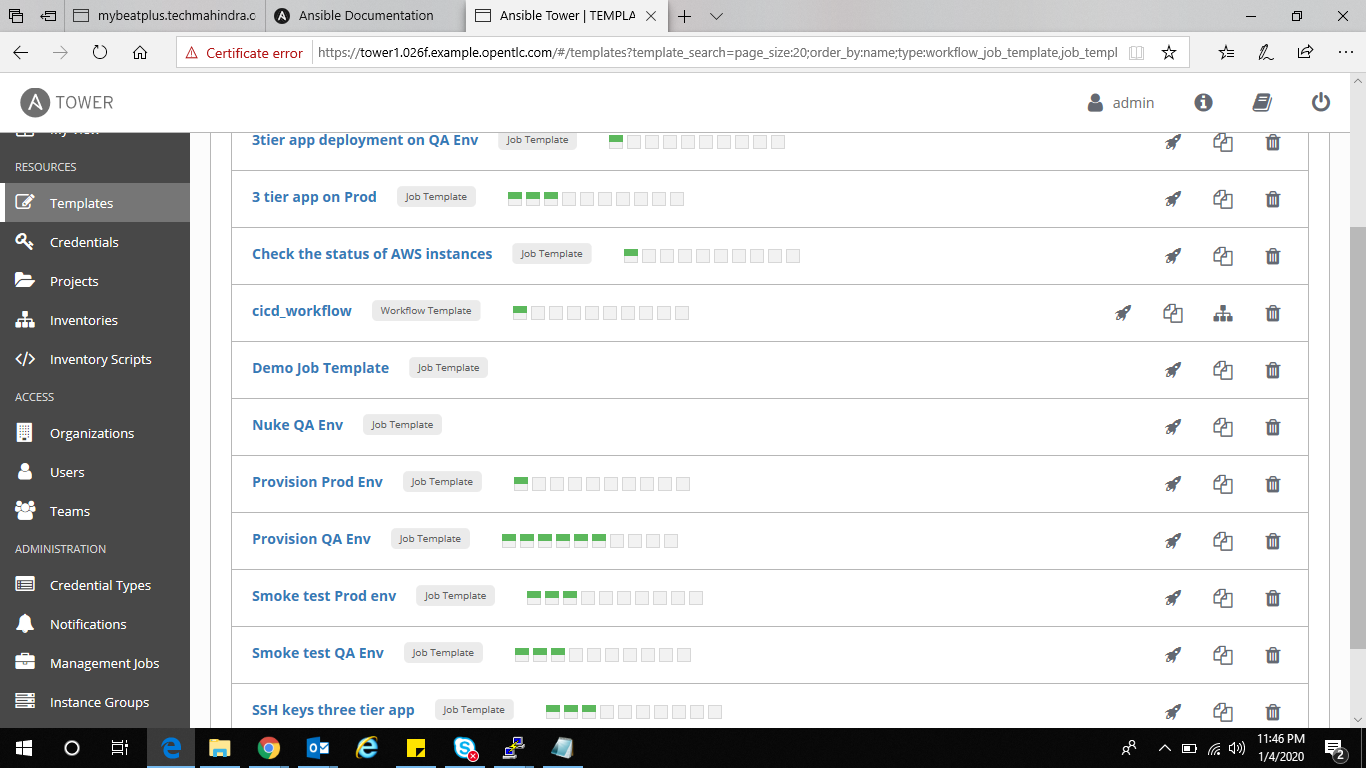
1. **Go to jobs and execute cicd\_worflow and wait for it to complete.**



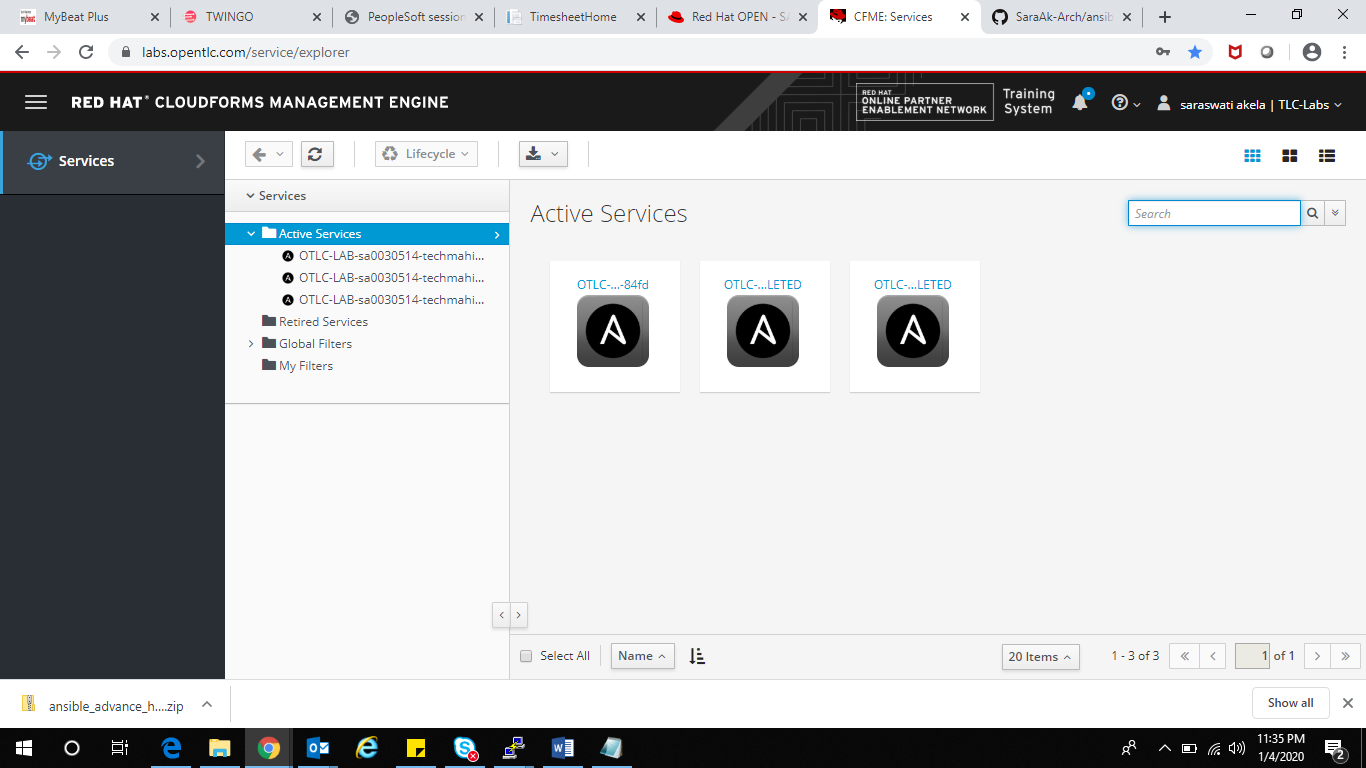


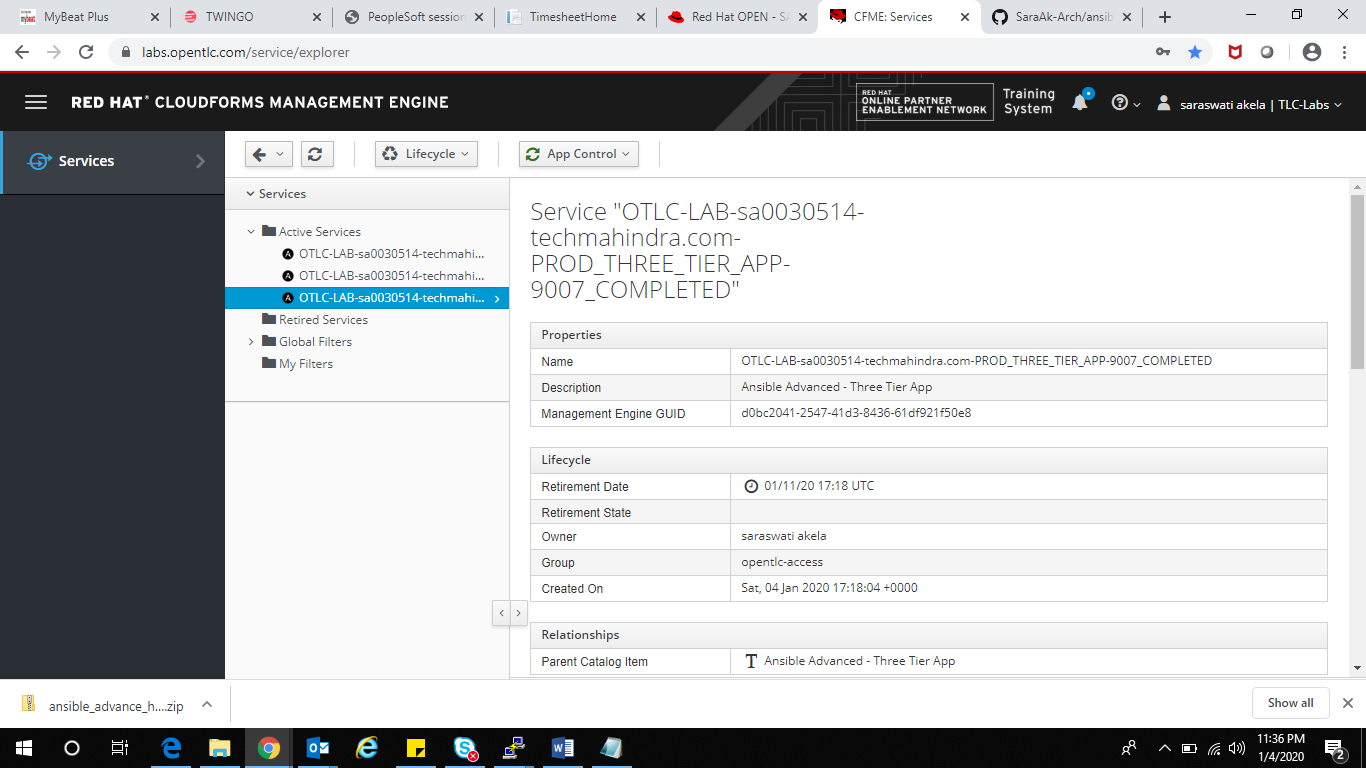




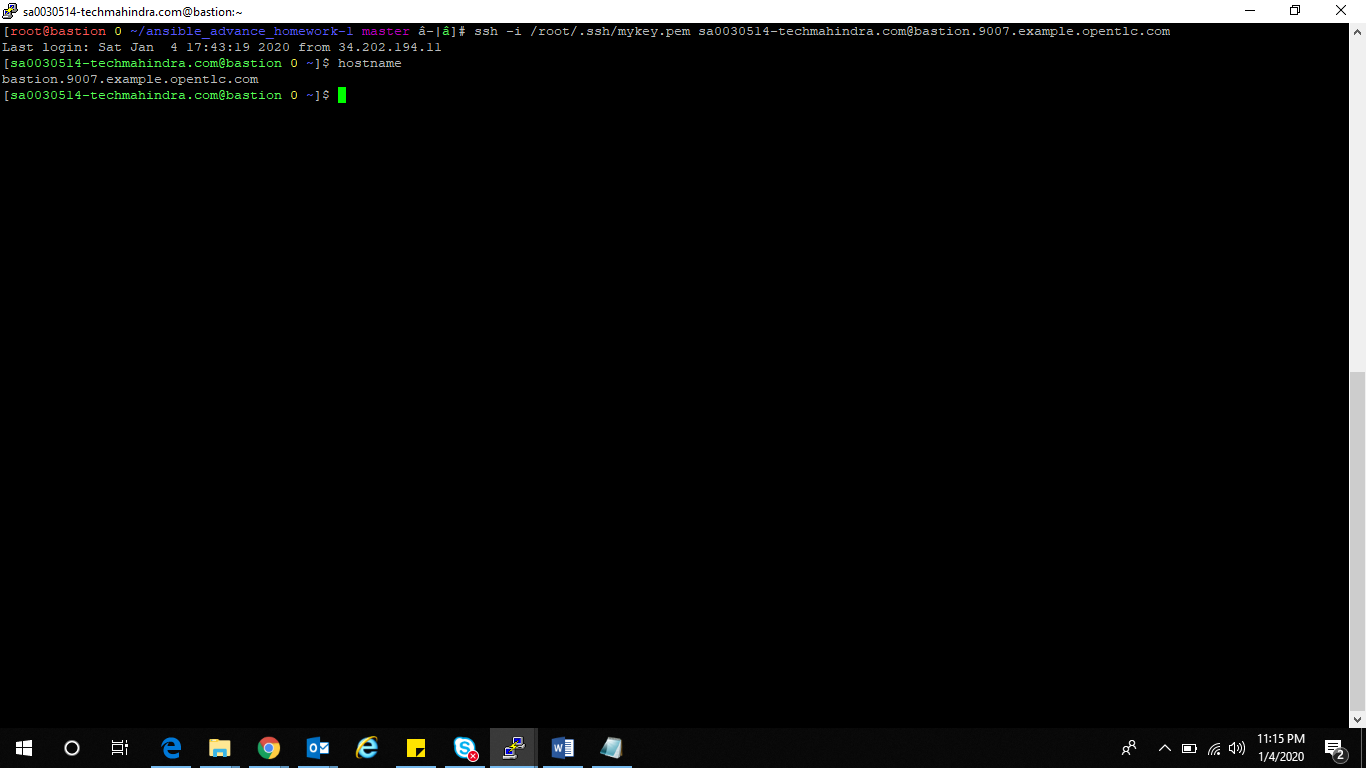


1. **After creation of 3-TIER application, try connecting via ssh.**





ssh -i /root/.ssh/mykey.pem sa0030514-techmahindra.com@bastion.9007.example.opentlc.com



1. **Grade the work using grading script.**

cd /root/ansible\_advance\_homework-1

export OSP\_GUID=84fd

export ANSIBLE\_ADVANCE\_GUID=9007

ansible-playbook grading-script.yml -e OSP\_GUID=${OSP\_GUID} -e ANSIBLE\_ADVANCE\_GUID=${ANSIBLE\_ADVANCE\_GUID}

