**Experiment No.1.8**

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**Semester:** III **Date of Performance: 0**6th Nov 23

**Subject Name:** DevOps Process Automation Lab **Subject Code:** 22CAP-745

1. **Aim/Overview of the practical:**
2. Install and configure Puppet (Master and Slave).
3. Generate, Send and Sign SSL certificate by Puppet Slave and Verify SSL Certificate on Puppet Master.
4. **Steps for practical: (a)**
5. Go to AWS and Create two Ec2 instances (I’m using Ubuntu 20.04) and Access both by Putty.

A screenshot of a computer

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1. Once both machines are accessed, First go to Puppet-Master and download the Puppet package.

wget <https://apt.puppetlabs.com/puppet-release-bionic.deb>.

A screen shot of a computer

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1. Now unpack the package sudo dpkg -I puppet-release-bionic.deb.

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1. Install the Puppet package sudo apt-get install puppetmaster.

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1. Edit puppet master configuration file.

sudo vim /etc/default/puppet-master Add JAVA\_ARGS=”-Xms512m -Xmx512m”.

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1. Enable and start or restart the puppet-master services.

sudo systemctl restart puppet-master.service also allow 8140/tcp connection.

1. Now go to Puppet-Slave machine and download the Puppet package.

wget https://apt.puppetlabs.com/puppet-release-bionic.deb

1. Now Unpack the package and install puppet.

sudo apt-get install puppet

1. Go to hosts file of Puppet-Master machine and config IP address of Puppet-Master machine.
2. Enable and start the puppet services.

sudo systemctl start puppet.

sudo systemctl enable puppet.

1. Your Puppet-Master and Puppet-Slave machine are configured till now.
2. **Steps for practical: (b)**

**Generate, Send and Sign SSL certificate by Puppet Slave and Verify SSL Certificate on Puppet Master.**

1. Once Puppet-Master and Puppet-Slave machine are configured and connected

Puppet-slave machine generate and send the SSL certificate to Puppet-Master certificate.

1. Now go to Puppet-Master machine and list the SSL certificate.

sudo puppet cert list

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1. Confirm the IP address by checking the SSL certificate request.
2. Now, Sign the SSL certificate request one by one manually or all (here I’m sign all certificate by –all flag).

sudo puppet cert sign –all

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1. SSL certificate signed successfully.