Class 8:-

Class 7 recap

Talked about puppet.

Set up three servers

Rename the hosts of those three machines

Puppet server was installed and started

Todays agenda:

Configure puppet clients

Dev puppet server

Prod puppet server

What is a modules

What is manifest

What is a resource

Creating a ceritficate on the clients

Signing those certificates

Downloading modules for java and tomcat from the puppet forge

Sanity check of the machines

Todays class is shorter class 1.5 hours

Will compensate with extra class at end of course

Sanity check of the mahcines

Check if the host ip address has changes

Do a sanity of the fake dns

Fix the dns entries if the ip address has changed

root@dev-server:~#

root@dev-server:~#

root@dev-server:~#

root@dev-server:~# wget https://apt.puppetlabs.com/puppetlabs-release-pc1-xenial.deb

--2017-05-17 20:20:29-- https://apt.puppetlabs.com/puppetlabs-release-pc1-xenial.deb

Resolving apt.puppetlabs.com (apt.puppetlabs.com)... 52.222.135.88, 52.222.135.160, 52.222.135.226, ...

Connecting to apt.puppetlabs.com (apt.puppetlabs.com)|52.222.135.88|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 13662 (13K) [application/x-debian-package]

Saving to: ‘puppetlabs-release-pc1-xenial.deb’

puppetlabs-release-pc1-xenial.de 100%[========================================================>] 13.34K --.-KB/s in 0s

2017-05-17 20:20:29 (779 MB/s) - ‘puppetlabs-release-pc1-xenial.deb’ saved [13662/13662]

root@dev-server:~# dpkg -i puppetlabs-release-pc1-xenial.deb

Selecting previously unselected package puppetlabs-release-pc1.

(Reading database ... 92148 files and directories currently installed.)

Preparing to unpack puppetlabs-release-pc1-xenial.deb ...

Unpacking puppetlabs-release-pc1 (1.1.0-2xenial) ...

Setting up puppetlabs-release-pc1 (1.1.0-2xenial) ...

root@dev-server:~# cd /etc/apt/sources.list.d/

root@dev-server:/etc/apt/sources.list.d# ll

total 12

drwxr-xr-x 2 root root 4096 May 17 20:20 ./

drwxr-xr-x 6 root root 4096 Dec 17 14:42 ../

-rw-r--r-- 1 root root 376 Sep 9 2016 puppetlabs-pc1.list

root@dev-server:/etc/apt/sources.list.d# cat puppetlabs-pc1.list

# Puppetlabs PC1 xenial Repository

deb http://apt.puppetlabs.com xenial PC1

# Puppetlabs PC1 xenial Source Repository

# The source repos are commented out by default because we

# do not always make sources available for all packages or

# for all platforms. If you want to access the source repos,

# uncomment the following line.

#deb-src http://apt.puppetlabs.com xenial PC1

root@dev-server:/etc/apt/sources.list.d#

root@dev-server:/etc/apt/sources.list.d#

root@dev-server:/etc/apt/sources.list.d#

root@dev-server:/etc/apt/sources.list.d#

root@dev-server:/etc/apt/sources.list.d# apt-get update -y

Ign:1 http://apt.puppetlabs.com xenial InRelease

Get:2 http://apt.puppetlabs.com xenial Release [28.0 kB]

Get:3 http://apt.puppetlabs.com xenial Release.gpg [836 B]

Get:4 http://apt.puppetlabs.com xenial/PC1 amd64 Packages [14.2 kB]

Hit:5 http://in.archive.ubuntu.com/ubuntu xenial InRelease

Get:6 http://apt.puppetlabs.com xenial/PC1 i386 Packages [13.6 kB]

Get:7 http://apt.puppetlabs.com xenial/PC1 all Packages [7,797 B]

Get:8 http://security.ubuntu.com/ubuntu xenial-security InRelease [102 kB]

Get:9 http://in.archive.ubuntu.com/ubuntu xenial-updates InRelease [102 kB]

Get:10 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [265 kB]

Get:11 http://in.archive.ubuntu.com/ubuntu xenial-backports InRelease [102 kB]

Get:12 http://in.archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [538 kB]

Get:13 http://security.ubuntu.com/ubuntu xenial-security/main i386 Packages [252 kB]

Get:14 http://security.ubuntu.com/ubuntu xenial-security/main Translation-en [111 kB]

Get:15 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [114 kB]

Get:16 http://security.ubuntu.com/ubuntu xenial-security/universe i386 Packages [101 kB]

Get:17 http://security.ubuntu.com/ubuntu xenial-security/universe Translation-en [58.7 kB]

Get:18 http://in.archive.ubuntu.com/ubuntu xenial-updates/main i386 Packages [523 kB]

Get:19 http://in.archive.ubuntu.com/ubuntu xenial-updates/main Translation-en [217 kB]

Get:20 http://in.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [467 kB]

Get:21 http://in.archive.ubuntu.com/ubuntu xenial-updates/universe i386 Packages [452 kB]

Get:22 http://in.archive.ubuntu.com/ubuntu xenial-updates/universe Translation-en [183 kB]

Get:23 http://in.archive.ubuntu.com/ubuntu xenial-updates/multiverse i386 Packages [8,000 B]

Get:24 http://in.archive.ubuntu.com/ubuntu xenial-updates/multiverse Translation-en [4,460 B]

Get:25 http://in.archive.ubuntu.com/ubuntu xenial-backports/universe amd64 Packages [4,512 B]

Get:26 http://in.archive.ubuntu.com/ubuntu xenial-backports/universe i386 Packages [4,516 B]

Get:27 http://in.archive.ubuntu.com/ubuntu xenial-backports/universe Translation-en [1,968 B]

Fetched 3,676 kB in 3s (937 kB/s)

Reading package lists... Done

root@dev-server:/etc/apt/sources.list.d# apt-get install puppet-agent -y

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following NEW packages will be installed:

puppet-agent

0 upgraded, 1 newly installed, 0 to remove and 13 not upgraded.

Need to get 16.3 MB of archives.

After this operation, 92.4 MB of additional disk space will be used.

Get:1 http://apt.puppetlabs.com xenial/PC1 amd64 puppet-agent amd64 1.10.1-1xenial [16.3 MB]

Fetched 16.3 MB in 1s (8,631 kB/s)

Selecting previously unselected package puppet-agent.

(Reading database ... 92153 files and directories currently installed.)

Preparing to unpack .../puppet-agent\_1.10.1-1xenial\_amd64.deb ...

Unpacking puppet-agent (1.10.1-1xenial) ...

Processing triggers for libc-bin (2.23-0ubuntu7) ...

Setting up puppet-agent (1.10.1-1xenial) ...

Created symlink from /etc/systemd/system/multi-user.target.wants/puppet.service to /lib/systemd/system/puppet.service.

Created symlink from /etc/systemd/system/multi-user.target.wants/mcollective.service to /lib/systemd/system/mcollective.service.

Created symlink from /etc/systemd/system/multi-user.target.wants/pxp-agent.service to /lib/systemd/system/pxp-agent.service.

Removed symlink /etc/systemd/system/multi-user.target.wants/pxp-agent.service.

Processing triggers for libc-bin (2.23-0ubuntu7) ...

root@dev-server:/etc/apt/sources.list.d#

Quick recap till now

Create three machines

Changed their hostnames

Set up fake dns across the cluster

Installed the puppetserver on the server node

Puppet client install on the dev puppet server and prod puppet server

Go back to theory now