

Setting up Linux TFTP Server for Cisco Phone Files

PART – II

Configuring DHCP Server

In this tutorial we will see two things:

1. Setting up a DHCP Server on CentOS 6.4
2. Setting up Cisco VOIP Phones to download their config files from TFTP Server.

Plan:

Setup a DHCP Server on CentOS

Copy Cisco VOIP Phone Files to TFTP Server

Converting SCCP protocol to SIP to user with Elastix

Configuring VOIP Phones

So Let's Start:

DHCP Server on CentOS:

DHCP or Dynamic Host Control Protocol is used to assign IP addresses automatically to the devices. I hope most of us are familiar with its use but let's configure one for our own purpose.

Let's say we have one Ethernet card eth0 with ip address of 192.168.10.22

Download the right packages for CentOS as below:

```
[root@tftp-server ~]# yum install dhcp
```

```
[root@tftp-server ~]# cd /etc/dhcp/
```

```
[root@tftp-server dhcp]#
```

```
[root@tftp-server dhcp]# cp dhcpd.conf dhcpd.conf.org
```

```
[root@tftp-server dhcp]# cp /usr/share/doc/dhcp-4.1.1/dhcpd.conf.sample /etc/dhcp/dhcpd.conf
```

```
cp: overwrite `/etc/dhcp/dhcpd.conf'? y
```

Now lets modify the file by:

```
[root@tftp-server dhcp]# vi dhcpd.conf
```

```
# dhcpd.conf

option domain-name-servers 192.168.10.4, 192.168.10.128;

default-lease-time 600;

max-lease-time 7200;

log-facility local7;

# Edited By Salman

# This is a very basic subnet declaration.

subnet 192.168.10.0 netmask 255.255.255.0 {

    range 192.168.10.120 192.168.10.250;

    option routers 192.168.10.3;

}
```

Also make change to /etc/sysconfig/dhcpd as below

```
#Command line options here
```

```
DHCPDARGS=etho
```

Now everything is set , Lets restart dhcp server

```
[root@tftp-server dhcp]# service dhcpd start
```

```
Starting dhcpd: [ OK ]
```

Make sure its starts on startup

```
[root@tftp-server /]# chkconfig --levels 35 dhcpd on
```

In third part we will configure Cisco VOIP Phones.

Thanks,

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