

Lab 1: Linux Basic Installation

Objective:

To help students to learn how install and configure Linux Operating System.

[1] Installation:

1. Insert 1st CentOS CD into CDROM Drive, and boot the system with the CDROM.
2. Type **linux** text from the **boot:** prompt.
3. Select "**skip**" from Media check
4. Press **OK**
5. Select **English** and press **OK**
6. Select **us** and press **OK**
7. Select "**Remove all partitions on selected drives and create default layout**" and press **OK**
8. Press **Yes**
9. Press **Yes**
10. Press **OK**
11. Press **OK** (Boot Loader)
12. Press **OK**
13. Set Boot Loader Password and press **OK**
14. Press **OK**
15. Select MBR and press **OK**
16. Press **Yes** on Network setup menu
17. Select the following and press **OK**
 - [*] Active on boot
 - [*] Enable IPv4 support
18. Select Manual address configuration

IP: _____ / NM _____

Please fill IP address and Net Mask based on following table.

TEAM	HOSTNAME	IPADDRESS	Subnet Mask
team-1	coyote-1.cs360.net	192.168.1.101	255.255.255.0
team-2	coyote-2.cs360.net	192.168.1.102	255.255.255.0
team-3	coyote-3.cs360.net	192.168.1.103	255.255.255.0
team-4	coyote-4.cs360.net	192.168.1.104	255.255.255.0
team-5	coyote-5.cs360.net	192.168.1.105	255.255.255.0
team-6	coyote-6.cs360.net	192.168.1.106	255.255.255.0
team-7	coyote-7.cs360.net	192.168.1.107	255.255.255.0
team-8	coyote-8.cs360.net	192.168.1.108	255.255.255.0
team-9	coyote-9.cs360.net	192.168.1.109	255.255.255.0
team-10	coyote-10.cs360.net	192.168.1.110	255.255.255.0

press **OK**

19. Enter the following entries:

Gateway: 192.168.1.1

Primary DNS: 139.182.2.1

Secondary DNS: 139.182.2.6

20. Hostname setup: select manually and enter the name of the host
21. Set Time Zone: (Example: Los Angeles)
22. Set Root Password

DHCP

23. Package Selection:
 Unselect everything from the menu
 Select the “**Custom software Selection**” and press **OK**
24. Package Group Selection:
 Unselect everything from the menu press **OK**
25. Installation to begin: press **OK**
26. After installation, take out the CD and **reboot**

[2] Update system:

```
[root@server /root]# rpm - -import /etc/pki/rpm-gpg/RPM-GPG-KEY-*  
[root@server /root]# yum -y update
```

Reboot the system after update completed.

[3] Turn off the unnecessary services:

```
[root@server /root]# chkconfig -list | grep 3:on |cut -c1-16 > off
```

Edit the file “off” and remove the daemon that you want to keep from the off list:

```
[root@server /root]# vi off
```

Delete following list from off list:

network
iptables
syslog
crond
sshd
ntpd

```
[root@server /root]# for i in $(cat off);do chkconfig $i off;service $i stop;done  
[root@server /root]# reboot
```