

LPIC-1 102-400 – Lesson 15 – Lab

- * Enter into your Lab environment as root
 - # **ifconfig** # check your network interface settings
 - # **ifconfig -a** # check all network interface settings
 - # **ip addr** # same but using ip
 - # **cat /etc/hostname** # in Debian
 - # **cat /etc/sysconfig/network**
in CentOS
 - # **cat /etc/hosts** # check hosts file
 - # **hostname** # check the hostname
 - # **hostname -f** # check the fully qualified domain name (fqdn)
 - # **hostname test-lpi** # change the hostname
 - # **hostname** # has the hostname changed?
 - # **bash** # enter into a child shell
 - # **hostname** # what's the hostname now?
 - # **reboot** # reboot
 - # **hostname** # has the hostname changed?
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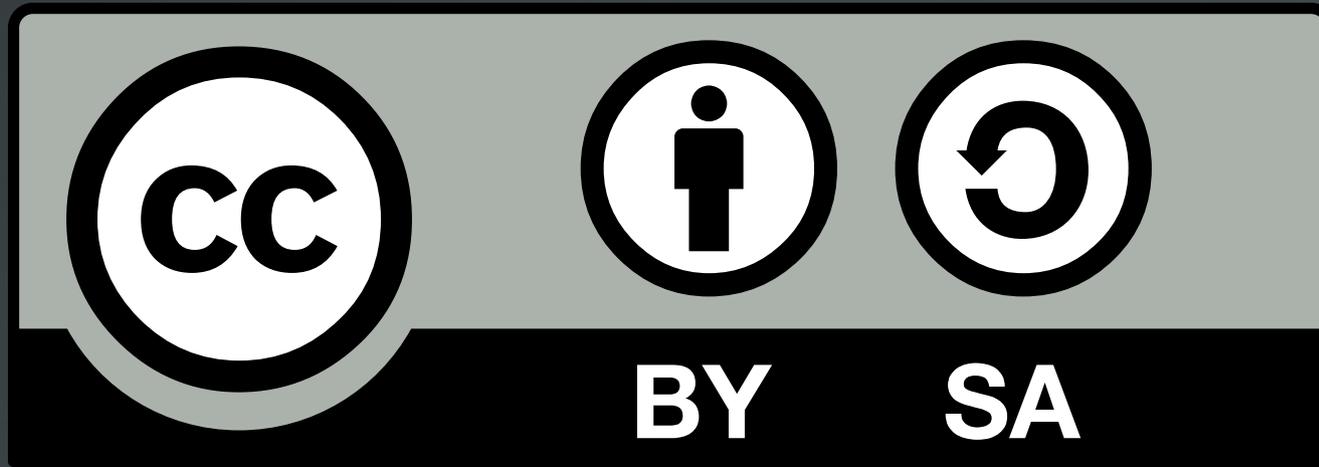
Lesson 15 – Lab

- # ping dns01 # any reply?
 - # vi /etc/hosts # add this line in the hosts file
8.8.8.8 dns01.google.com dns01
:wq
 - # ping dns01
 - # ping dns01.google.com
 - # vi /etc/resolv.conf # use example.com as your search domain
search example.com
:wq
 - # ping www # any reply?
 - # view /etc/nsswitch.conf # check the resolve services settings
 - # ifconfig ens2 down; sleep 30; ifconfig ens2 up # Be careful to type this correctly!
 - # ip link set ens2 down; sleep 30; ip link set ens2 up # same using ip
 - # grep ens2 -r /var/log # check the logs for the network card
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Lesson 15 – Lab

- `# route # show routing table`
 - `# ip ro # show routing table with ip`
 - `# ip addr add 10.0.2.20/24 dev ens2 # add a secondary ip in ens2`
 - `# ip addr # verify`
 - `# ip ro add 10.20.30.0/28 via 10.0.2.1 dev ens2 # add`
 - `# ping 10.0.2.20 # any reply?`
 - `# ping www.google.com # ping Google`
 - `# ping 8.8.8.8 # ping Google's DNS service by ip`
 - `# view /etc/network/interfaces # in Debian`
 - `# ls -la /etc/sysconfig/network-scripts/ifcfg-* # in CentOS`
 - `# view /etc/sysconfig/network-scripts/ifcfg-eth0 # in CentOS`
 - `# cat /etc/resolv.conf # check the DNS configuration`
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