1 : Hostname

Text editors

vim /etc/hostname

nano /etc/hostname

mcedit /etc/hostname

echo L-FW > /etc/hostname

reboot

2 : Packages

DEBIAN:

Indexing cdrom

apt-cdrom add

apt install -y tcpdump net-tools vim lynx bind9utils nfs\* cifs\*

apt-get install tcpdump net-tools vim lynx bind9utils nfs\* cifs\*

CENTOS:

/etc/yum.repos.d/

mkdir /media/cdrom

Check disks

blkid

lsblk

/dev/sr0

Mounting cd drive to folder

mount /dev/sr0 /media/cdrom

1:

yum -y --disablerepo=\\* --enablerepo=c7-media install [name]

2:

cd /etc/yum.repos.d/

Move repo files

mv $(ls | grep -v Media) ../

Enable CentOS-Media.repo

vi CentOS-Media.repo

enabled=1

yum -y install net-tools vim lynx bind\* nfs\* cifs\*

3 : HOSTS

/etc/hosts

[ip-address] [domain-name]

/etc/nsswitch.conf

hosts: dns files

4 : IP

DEBIAN:

/etc/network/interfaces

auto [int]

iface [int] inet [static/dhcp]

address [ip address]/[prefix]

gateway [ip gateway]

systemctl restart networking

CENTOS:

nmcli connection edit [int]

nmcli> set ipv4.addresses [ipaddr/24]

nmcli> set ipv4.gateway [gateway ip]

nmcli> set ipv4.dns [ip address]

nmcli> set connection.autoconnect yes

nmcli> save

nmcli> quit

nmtui

DHCP:

DEBIAN:

apt install -y isc-dhcp-server

nano /etc/dhcp/dhcpd.conf

L-RTR-A:

subnet 172.16.100.0 netmask 255.255.255.0 {

range 172.16.100.60 172.16.100.75;

option domain-name-servers 172.16.20.10;

option domain-name "skill39.wsr";

option routers 172.16.100.1;

option broadcast-address 172.16.100.255;

}

L-RTR-B:

subnet 172.16.200.0 netmask 255.255.255.0 {

range 172.16.200.60 172.16.200.75;

option domain-name-servers 172.16.20.10;

option domain-name "skill39.wsr";

option routers 172.16.200.1;

option broadcast-address 172.16.200.255;

}

host L-CLI-B {

hardware ethernet [mac address];

fixed-address 172.16.200.61;

}

systemctl restart isc-dhcp-server

systemctl enable isc-dhcp-server

CENTOS:

yum -y install dhcpd

nano /etc/dhcp/dhcpd.conf

subnet [net-address] netmask [netmask]{

}

DNS:

DEBIAN:

apt install bind9\*

/etc/bind/named.conf

/etc/bind/named.conf.default-zones

/etc/bind/named.conf.options

/etc/bind/named.conf.local

mkdir /opt/dns

cp /etc/bind/db.empty /opt/dns/wsr

cp /etc/bind/db.empty /opt/dns/ptr

CENTOS:

yum -y install bind\*

/etc/named.conf

mkdir /opt/dns

cp /var/named/db.empty /opt/dns/wsr

cp /var/named/db.empty /opt/dns/ptr

/etc/resolv.conf

nameserver 172.16.20.10

search skill39.wsr

ROUTING:

nano /etc/sysctl.conf

Раскоментировать #net.ipv4.ip\_forward=1

sysctl -p

L-FW:

nano /etc/rc.local

ip r add 172.16.100.0/24 via 172.16.50.2

ip r add 172.16.200.0/24 via 172.16.55.2

ip tunnel add TUNNEL01 mode gre remote 20.20.20.100 local 10.10.10.1

ip a add 10.5.5.1/30 dev TUNNEL01

ip link set TUNNEL01 up

ip r add 192.168.0.0/16 via 10.5.5.2

R-FW:

nano /etc/rc.local

ip tunnel add TUNNEL01 mode gre remote 10.10.10.1 local 20.20.20.100

ip a add 10.5.5.2/30 dev TUNNEL01

ip link set TUNNEL01 up

ip r add 172.16.0.0/16 via 10.5.5.1





