

Linux From Scratch - Version 12.1-systemd		
Chapter 9. System Configuration		
	/	

9.2.

9.2.1.

209	systemd			systemd-networkd
		213	/etc/resolv.conf	systemd-resolved
DNS				



NetworkManager
systemd-networkd
가

```
systemctl disable systemd-networkd-wait-online
```

systemd-networkd(systemd-resolved)		/usr/lib/systemd/network
/etc/systemd/network		. etc/systemd/network
/usr/lib/systemd/network		가
: .link, .netdev .network		가
systemd.link(5) , systemd.netdev(5) , systemd.network(5)		

9.2.1.1.

Udev	enp2s1			
				ip link



udev (8.75 "Systemd-255" udev . LFS
"Systemd-255" . LFS
chroot . LFS
systemd-udevd) . LFS
LFS

eth0

wifi0

wlan0

가

- udev .link

```
ln -s /dev/null /etc/systemd/network/99-default.link
```

- internet0, dmz0 lan0

.link /etc/systemd/network/

```
cat > /etc/systemd/network/10-ether0.link << "EOF"
[Match]
# Change the MAC address as appropriate for your network device
MACAddress=12:34:45:78:90:AB

[Link]
Name=ether0
EOF
```

- /boot/grub/grub.cfg

net.ifnames=0

9.2.1.2 IP

IP

(systemd-networkd systemd-resolved

).

```
cat > /etc/systemd/network/10-eth-static.network << "EOF"
[Match]
Name=<network-device-name>

[Network]
Address=192.168.0.2/24
Gateway=192.168.0.1
DNS=192.168.0.1
Domains=<Your Domain Name>
EOF
```

DNS 가

DNS

가

/etc/resolv.conf

DNS

9.2.1.3. IP

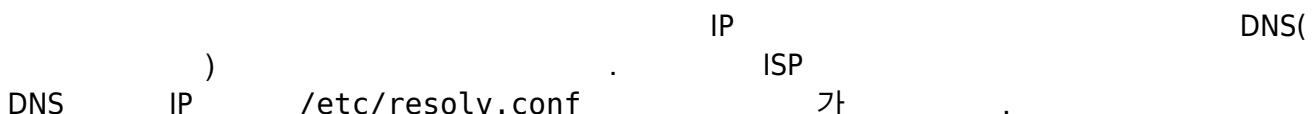
IPv4 DHCP

```
cat > /etc/systemd/network/10-eth-dhcp.network << "EOF"
[Match]
Name=<network-device-name>

[Network]
DHCP=ipv4

[DHCIPv4]
UseDomains=true
EOF
```

9.2.2. /etc/resolv.conf



9.2.2.1.

systemd-resolved
 (: ppp) (: bind, dnsmasq, unbound)
 /etc/resolv.conf (: systemd
resolvconf) **systemd-resolved**



systemd-resolved :

`systemctl disable systemd-resolved`

DNS **systemd-resolved** /run/systemd/resolve/stub-resolv.conf
 . /etc/resolv.conf 가 **systemd-resolved**
 /run/systemd/resolve/stub-resolv.conf
 /etc/resolv.conf 가

9.2.2.2. **resolv.conf**

/etc/resolv.conf 가 :

```
cat > /etc/resolv.conf << "EOF"
```

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```
# Begin /etc/resolv.conf

domain <Your Domain Name>
nameserver <IP address of your primary nameserver>
nameserver <IP address of your secondary nameserver>

# End /etc/resolv.conf
EOF
```

domain search . resolv.conf
<IP address of your nameserver> 가 DNS IP 가). DNS
가 . IP Google DNS



Google IPv4 DNS IPv4 8.8.8.8 8.8.4.4 , IPv6
2001:4860:4860::8888 2001:4860:4860::8844 .

9.2.3.

/etc/hostname

etc/hostname

```
echo "<lfs>" > /etc/hostname
```

</fs> . FQDN()
 /etc/hosts .

9.2.4. etc/hosts

FQDN()¹⁾ /etc/hosts . IP
IP

IP address myhost.example.org aliases

가 (,) IP 가 IP IP . . .

```
10.0.0.1 - 10.255.255.254 8
172.x.0.1 - 172.x.255.254 16
192.168.y.1 - 192.168.y.254 24
```

x 16-31 . y 0-255

IP 192.168.1.1

가 (“ ”) FQDN
FQDN IP . . .

가 MTA FQDN
FQDN localhost.localdomain . . .

/etc/hosts . . .

```
cat > /etc/hosts << "EOF"
# Begin /etc/hosts

<192.168.0.2> <FQDN> [alias1] [alias2] ...
::1      ip6-localhost ip6-loopback
ff02::1  ip6-allnodes
ff02::2  ip6-allrouters

# End /etc/hosts
EOF
```

<192.168.0.2> <FQDN> (. /
가 IP).
, <192.168.0.2> DHCP IPv6
localhost.localdomain FQDN

localhost, localhost.localdomain (.) myhostname NSS
/etc/hostname
myhostname(8)

::1 127.0.0.1 IPv6 IPv6

1)

fully-qualified domain name

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