


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

9.2.

9.2.1.

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




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 가
 : .link, .netdev .network .
[systemd.link\(5\)](#), [systemd.netdev\(5\)](#), [systemd.network\(5\)](#) .

9.2.1.1.

Udev	enp2s1	ip link
------	--------	---------



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

[DHCPv4]
UseDomains=true
EOF
```

9.2.2. /etc/resolv.conf

DNS IP) . IP DNS(.
 DNS IP /etc/resolv.conf 가 .

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

9.2.2.2. resolv.conf

/etc/resolv.conf가 :

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

```
# 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

IP



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
```

<lfs> . 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 -
) IP 가 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 . nss-
myhostname(8) .

::1 127.0.0.1 IPv6 IPv6 .
```

1)

fully-qualified domain name

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