

DHCP 3

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RHEL / CentOS 3

Debian / Ubuntu 3

DHCP

— 2017/01/13 13:06

RHEL / CentOS

```
[root@pxe ~]# yum install dhcp dhcp-commo
```

Debian / Ubuntu

```
[root@pxe ~]# yum install dhcp dhcp-commo
```

```
ddns-update-style none ; DDNS DHCP ad-hoc : DHCP Failover
DDNS DHCP 2.x ad-hoc DDNS DHCP 3.x interim : DHCP Failover
interim DDNS
none : DHCP DNS Only DHCP default-lease-time 10800 ; DHCP
IP max-lease-time 32400 ; DHCP IP authoritative ; IP
DHCP Server IP DHCP Server DHCPNAK
```

Message

```
log-facility local7 ; syslogd log (Man Page ) shared-network "NDOCS-NET" {
shared-network DHCP Subnet IP
```

```
Interface[NIC] Subnet
:: shared-network "NDOCS-NET" { DHCP
Subnet "NDOCS-NET"
shared-network [" "]
DHCP { }
dhcpd_interface = "hme0" ;
//DHCP NIC ::
dhcpd_interface = "hme0" ; DHCP NIC가 hme0 NIC
dhcpd_interface = [ NIC ]
DHCP NIC가
subnet 58.72.95.128 netmask 255.255.255.128 {
range 58.72.95.210 58.72.95.220 ;
option domain-name "ndocs.com" ;
option domain-name-servers 58.92.95.222 ;
option routers 58.72.95.129 ;
option broadcast-address 58.72.95.255 ; }
subnet 61.40.66.64 netmask 255.255.255.192 {
range dynamic-bootp 61.40.66.77 61.40.66.87 ;
option domain-name-servers ns.ndocs.com ;
```

```
option routers 61.40.66.100 ;
option broadcast-address 61.40.66.127 ; }
//DHCP 61.40.65.64 / 255.255.255.192 Subnet
61.40.65.77 ~ 87 IP BOOTP
DHCP BOOTP DHCP inetd bootp

subnet 192.168.102.0 netmask 255.255.255.0 {
    range dynamic-bootp 192.168.102.2 192.168.102.100 ;
    option domain-name-servers 203.248.252.2 ;
    option routers 192.168.102.254 ;
option broadcast-address 192.168.102.255 ; }
//DHCP 192.168.102.0 / 255.255.255.0 Subnet 192.168.102.2~ 100
IP BOOTP
subnet 203.248.252.0 netmask 255.255.255.128 {
    range 203.248.252.10 203.248.252.120 ;
    option domain-name-servers 203.248.252.70 ;
    option routers 203.248.252.100 ;
    option broadcast-address 203.248.252.127 ;
    default-lease-time 600 ;
max-lease-time 7200 ; }
//DHCP 203.248.252.0 / 255.255.255.128 Subnet
203.248.252.10 ~ 120 IP
class "foo" {
match if substring (option vendor-class-identifier, 0, 4) = "SUNW"; }
subnet 10.17.224.0 netmask 255.255.255.0 {
option routers gw.ndocs.com ; }
subnet 10.0.29.0 netmask 255.255.255.0 {
option routers gw1.ndocs.com ; }
pool {
    allow members of "foo" ;
range 10.17.224.10 10.17.224.250 ; }
pool {
    deny members of "foo";
range 10.0.29.10 10.0.29.230 ; }
//DHCP "SUNW" Hardware DHCP
IP 10.12.224.10 ~ 250 IP "foo" Class

"SUNW" DHCP IP
10.0.25.10 ~ 230 IP
//class DHCP IP DHCP Class

class "foo" { match if substring (option vendor-class-identifier,
0, 4) = "SUNW"; }
DHCP "SUNW" Hardware DHCP "foo"
Class
class "[Class]" {match if substring (option vendor-class-
identifier,[ ])= "[ ]";}

//pool class ::
pool { allow members of "foo" ; range 10.17.224.10 10.17.224.250 ; }
Class
```

```

        foo class                                DHCP                IP
10.17.224.10 ~ 250 IP
pool { allow members of "[Class]" ; range [IP                ] ; }
//pool { deny members of "foo" ; range 10.0.29.10 10.0.29.230 ; }
Class
        foo class                                DHCP                IP                10.0.29.10
~
230 IP                                          pool { deny members of "[Class]" ;
range [IP
        ] ; }
DHCP Server      Class                DHCP Client                DHCP Server

ISC-DHCP                .                DHCP Client  DHCP Agent  ISC-DHCP  DHCP
Agent가                DHCP Agent                DHCP Server      Class가

group "one" {
    subnet 192.168.1.0 netmask 255.255.255.0 {
        range 192.168.1.110 192.168.1.250 ;
        option routers 192.168.1.254 ;
        option subnet-mask 255.255.255.0 ;
        option domain-name "blanco.net" ;
        option domain-name-servers 192.168.1.1 ;
        option broadcast-address 192.168.1.255 ; }
    }
//group                DHCP                IP                DHCP
::
        group "one" { subnet , netmask, range, option routers, option
subnet-mask, .. }
        DHCP                IP                DHCP                192.168.1.110 ~ 250 IP

        DHCP                "one"
group "[                ]" { subnet , netmask, range, option routers, .. }

host windowsxp { <--
    hardware ethernet 00:07:e9:06:85:07 ;
    fixed-address 192.168.102.50 ;
option host-name "windowsxp.ndocs.com" ; }
host linuxboot {
    hardware ethernet 0:0:c0:5d:bd:95 ;
    server-name "linux.ndocs.com" ;
    filename "/tmp/vmunix.boot" ;
}
}
//BOOTP                /tmp                vmunix.boot Kernel
Booting
//DHCP  BOOTP                DHCP
Booing                Disk                Booting 가                Kernel  BOOTP
        tftp Daemon
}

```

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