

# 🌐 IT 네트워크 시스템 *IT Network Systems Administration*

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❖ - Worldskills Korea - Assessment Task (IT Network Systems) - [ Written by NullBins ]

- By default, the commands are executed as a root user.

[ Project-1 ] <🐧 Linux Environments>

## 4. DHCP 서버 구성 (DHCP Service Configuration)

- DONG-R 및 DAE-R, DHCP 서버 구성 시 패키지 도구는 ISC-DHCP-SERVER를 사용함.

< Configuration >

- [ DONG-R ]

```
apt install isc-dhcp-server -y
```

```
vim /etc/default/isc-dhcp-server
```

```
INTERFACESv4="ens33"      # 해당 인터페이스는 내부망 이더넷으로 지정해야 함.
```

```
vim /etc/dhcp/dhcpd.conf
```

```
subnet 192.168.1.0 netmask 255.255.255.0 {
    range 192.168.1.150 192.168.1.200;
    option routers 192.168.1.254;
    option domain-name "donghyun.net";
    option domain-name-servers 192.168.1.1;
    default-lease-time 600;
    max-lease-time 7200;
}
```

```
zone donghyun.net {
```

```
primary 192.168.1.1;
}

zone 1.168.192.in-addr.arpa {
primary 192.168.1.1;
}

ddns-update-style standard;
```

```
systemctl restart isc-dhcp-server
```

- [ DAE-R ]

```
apt install isc-dhcp-server -y
```

```
vim /etc/default/isc-dhcp-server
```

```
INTERFACESv4="ens33"      # 해당 인터페이스는 내부망 이더넷으로 지정해야 함.
```

```
vim /etc/dhcp/dhcpd.conf
```

```
subnet 172.16.1.0 netmask 255.255.255.0 {
range 172.16.1.150 172.16.1.200;
option routers 172.16.1.254;
option domain-name "daeseong.net";
option domain-name-servers 172.16.1.1;
default-lease-time 600;
max-lease-time 7200;
}

zone daeseong.net {
primary 172.16.1.1;
}

ddns-update-style standard;
```

```
systemctl restart isc-dhcp-server
```

