

# nmcli기반의 네트워크 설정

RHEL8계열부터는 networkscripts를 사용하지 못하고 NetworkManager를 이용한 네트워크 장치를 관리해야 하기 때문에, NetworkManager를 사용할 줄 알아야 하네요....

## 1. 수동으로 생성된 ifcfg파일을 NetworkManager 로드

```
$> nmcli connection load /etc/sysconfig/network-scripts/ifcfg-eth0
$> nmcli connection up eth0
```

## 2. 네트워크 up/down 설정

```
$> nmcli connection up eth0    #nic 활성화
$> nmcli connection down eth0  #nic 비활성화
```

## 3. 네트워크 연결상태 확인

```
$> nmcli device status
DEVICE TYPE   STATE   CONNECTION
eth0  ethernet 연결됨   eth0
eth1  ethernet 연결됨   eth1
lo    loopback 관리되지 않음 --
```

## 4. 네임서버 설정 bond0에 네임서버를 8.8.8.8, 219.250.36.130 으로 설정

```
$> nmcli connection modify eth0 ipv4.dns "8.8.8.8,219.250.36.130"
$> nmcli connection up eth0
$> cat /etc/resolv.conf
# Generated by NetworkManager
nameserver 8.8.8.8
nameserver 219.250.36.130
```

## 5. 본딩구성하기(active-backup 방식으로 설정)

#bond NIC이름 설정하고 네트워크 정보 설정

```
$> nmcli connection add type bond con-name bond0 ifname bond0 bond.options "mode=1,miimon=100"
$> nmcli connection mod bond0 ipv4.addresses 192.168.10.100/24
$> nmcli connection mod bond0 ipv4.gateway 192.168.10.1
$> nmcli connection mod bond0 ipv4.method manual
$> nmcli connection mod bond0 ipv6.method disabled
```

#eth0과 eth1을 본딩 멤버용 NIC 추가

```
$> nmcli connection add type ethernet con-name eth0 ifname eth0 master bond0
$> nmcli connection add type ethernet con-name eth1 ifname eth1 master bond0
```

#본딩 NIC 활성화

```
$> nmcli connection up bond0
```

## 6. 본딩 모드 변경

```
$> nmcli connection mod bond0 +bond.options "mode=0,miimon=100"
$> nmcli connection up bond0
```

- [https://access.redhat.com/documentation/en-us/red\\_hat\\_enterprise\\_linux/7/html/networking\\_guide/sec-network\\_bonding\\_using\\_the\\_networkmanager\\_command\\_line\\_tool\\_nmcli//](https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/7/html/networking_guide/sec-network_bonding_using_the_networkmanager_command_line_tool_nmcli//)
  - <https://fendys.tistory.com/28//>
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