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PXE Server dnsmasq - UEFI

tftp server 설치

```
[root@pxe ~]# dnf install tftp-server
[root@pxe ~]# firewall-cmd --add-service=tftp
[root@pxe ~]# systemctl enable --now tftp.socket
```

dnsmasq 설정

/etc/dnsmasq.d/pxe.conf 파일을 생성한다.

```
### PXE 부팅 설정할 경우
# search domain
# domain=tecmint

bind-dynamic
bogus-priv
no-resolv

#pxe-prompt="Press F8 for menu.", 60
#pxe-service=x86PC, "KooV's PXE Server", pxelinux

enable-tftp
tftp-root=/var/lib/tftpboot

#dhcp-boot=pxelinux/pxelinux.0
#dhcp-boot=pxelinux.0,pxeserver,192.168.99.2

dhcp-match=set:efi-x86_64,option:client-arch,7
dhcp-boot=tag:efi-x86_64,BOOTX64.EFI

# DHCP range-leases
# interface, start, end, netmask, leasetime
dhcp-range=ens224,192.168.99.101,192.168.99.199,255.255.255.0,1h

### dhcp option
# dhcp-option=3 ; 3=router
# dhcp-option=6 ; 6=dns-server
# dhcp-option=option:router
# dhcp-option=option:dns-server

# GW 설정
dhcp-option=3,192.168.99.1
```

DNS 설정

```
dhcp-option=6,192.168.99.1,8.8.8.8
```

Broadcast Address

```
dhcp-option=28,192.168.99.255
```

NTP Server

```
dhcp-option=42,0.0.0.0
```

upstream DNS

```
server=1.1.1.1
```

```
server=8.8.8.8
```

upstream resolve

```
resolv-file=/etc/resolv.conf.upstream
```

listen interface

```
interface=ens224,lo
```

특정 NIC는 DHCP안함

```
no-dhcp-interface=ens160
```

DHCP MAC Address 기반 hostname, IP할당 설정.

```
#dhcp-host=00:50:56:86:25:d6,provisioner.ocp.example.com,10.0.0.253
```

```
#dhcp-host=00:50:56:86:b1:1a,openshift-master-0.ocp.example.com,10.0.0.10
```

```
#dhcp-host=00:50:56:86:ad:2a,openshift-master-1.ocp.example.com,10.0.0.11
```

```
#dhcp-host=00:50:56:86:76:93,openshift-master-2.ocp.example.com,10.0.0.12
```

```
#dhcp-host=00:50:56:86:12:86,openshift-worker-0.ocp.example.com,10.0.0.20
```

```
#dhcp-host=00:50:56:86:22:0b,openshift-worker-1.ocp.example.com,10.0.0.21
```

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