

**PXE Server dnsmasq - UEFI** ..... 3  
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***dnsmasq*** ..... 3



# PXE Server dnsmasq - UEFI

## tftp server

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

## dnsmasq

/etc/dnsmasq.d/pxe.conf .

```
### PXE
# 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,B00TX64.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
dhcp-option=3,192.168.99.1
```

```
# DNS
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

# NIC DHCP
no-dhcp-interface=ens160

# DHCP MAC Address      hostname, IP
#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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