

Instructions for installing Kali Linux via Network PXE

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PXE Server setup

First, we need to install **dnsmasq** to provide DHCP / TFTP server and then edit the **dnsmasq.conf** file.

```
apt-get install dnsmasq
nano /etc/dnsmasq.conf
```

In dnsmasq.conf, enable **DHCP**, **TFTP** and **PXE** startup, as well as set **dhcp** scope to suit your environment. If necessary, you can also define your port and DNS server by indicating the *dhcp-option* as shown below:

```
interface = eth0
dhcp-range = 192.168.101.100,192.168.101.200.12h
dhcp-boot = pxelinux.0
enable-tftp
tftp-root = / tftpboot /
dhcp-option = 3.192.168.101.1
dhcp-option = 6.8.8.8.8.8.4.4
```

With on-site edits, the **dnsmasq** service needs to be restarted for the changes to take effect.

```
restart dnsmasq service
```

Download Kali PXE Netboot Image

Now, we need to create a folder to store **Kali Netboot Image** and download the image we want from the Kali repo.

```
mkdir -p / tftpboot
cd / tftpboot
# for 64 bit systems:
wget http://repo.kali.org/kali/dists/kali-rolling/main/installer-amd64/current
# for 32 bit systems:
```

```
wget http://repo.kali.org/kali/dists/kali-rolling/main/installer-i386/current/  
tar xzpf netboot.tar.gz  
rm netboot.tar.gz
```

Configure the target to boot from the network

Everything has been configured, now you can boot the target system and configure it to boot from the network. It will get the IP address from the PXE server and start Kali.

See more:

1. How to create customized Potassium ISO
2. How to install Kali Linux on your computer
3. How to install Kali Linux dual boot Windows

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