

# ESR,

- ESR
- OS Linux tftp dhcp-
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  - dhcp-
  - tftp-

## ESR

, ESR :

1. ESR dhcp tftp
2. dhcp-client
3. "boot host auto-config"

ESR

```
esr# sh run
hostname esr

boot host auto-config
interface gigabitethernet 1/0/1
 ip address dhcp
exit
```

ESR:

1. ip DHCP-
2. - TFTP-
3. , TFTP-

## OS Linux tftp dhcp-

: ESR

```
ip add add 192.168.2.0/24 dev eth0
```

eth0 - , ESR

## dhcp-

dhcp- "tftp-server-name", "bootfile-name", tftp- ,

 ESR ( Linux) 192.168.2.0/24, tftp- dhcp- IP 192.168.2.1, ESR IP- : 192.168.2.10-192.168.2.50

dhcp-:

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

-:

```
nano /etc/dhcp/dhcpd.conf
```

#### /etc/dhcp/dhcpd.conf

```
subnet 192.168.2.0 netmask 255.255.255.0 {  
    range 192.168.2.10 192.168.2.50;  
    option bootfile-name "autoboot.conf";  
    option tftp-server-name "192.168.2.1";  
}
```

:

```
sudo systemctl enable isc-dhcp-server  
sudo systemctl restart isc-dhcp-server
```

## tftp-

tftp-

```
sudo apt install tftpd-hpa -y
```

tftp-

```
sudo nano /etc/default/tftpd-hpa
```

#### /etc/default/tftpd-hpa

```
TFTP_USERNAME="tftp"  
TFTP_DIRECTORY="/srv/tftp"  
TFTP_ADDRESS=":69"  
TFTP_OPTIONS="--ipv4 --secure --create"
```

tftp- tftp

```
sudo mkdir /srv/tftp  
sudo chown tftp:tftp /srv/tftp
```

```
/etc/init.d/tftpd-hpa restart
```

tftp- "autoboot.conf" , ESR

, :

```
cat /srv/tftp/autoboot.conf  
#!/usr/bin/clish  
#19  
#1.12.0  
#05/11/2020  
#18:20:08  
hostname esr-boot-usb  
interface gigabitethernet 1/0/1  
    ip address 192.168.0.1/24
```