

Adding multiple ip ranges in Linux

Written by Friends

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Say for example if you want to add the following different ip ranges in your server on the **Ethern**
et **port**
eth0

. Here are few simple steps to add the ip ranges in few minutes.

IP Block: 204.45.89.130-134

IP Block: 204.45.90.2-6

IP Block: 204.45.90.10-14

IP Block: 204.45.90.18-22

IP Block: 204.45.90.26-30

The above example has around 6 ranges with different ip sets. You can make use of the '**ifcfg**
-eth0-rangeX

' feature to get this done simply. Ssh your server as root.

- **# cd /etc/sysconfig/network-scripts**

Create a file named **ifcfg-eth0-range0**

- **# vi ifcfg-eth0-range0**

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Add the following lines as below to add the first set of range (iee..**204.45.89.130-134**)

```
ONBOOT=yes  
IPADDR_START=204.45.89.130  
IPADDR_END=204.45.89.134  
NETMASK=255.255.255.248  
CLONENUM_START=1
```

Save your works and exit. Restart the network service using '**service network restart**'. To add the second range you need to create another file called '**ifcfg-eth0-range1**

' with the

```
CLONENUM_START
```

start with

```
5
```

(setting up the number in

```
CLONENUM_START
```

is very important here to avoid the ip overwritten, as the first range will use up to the **eth0:4**

the second range should start with

```
eth0:5
```

to work properly).

```
ONBOOT=yes  
IPADDR_START=204.45.90.2  
IPADDR_END=204.45.90.6  
NETMASK=255.255.255.248  
CLONENUM_START=5
```

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Save your works and restart the network service. You can do the same for the other ip ranges left with carefully numbering the **CLONENUM_START**. Use the **ifconfig** command to check the **eth0:X** number everytime you restarts. After adding all the ranges, use ping to check the ips to make sure they are added properly.