

بخش حساب کاربری

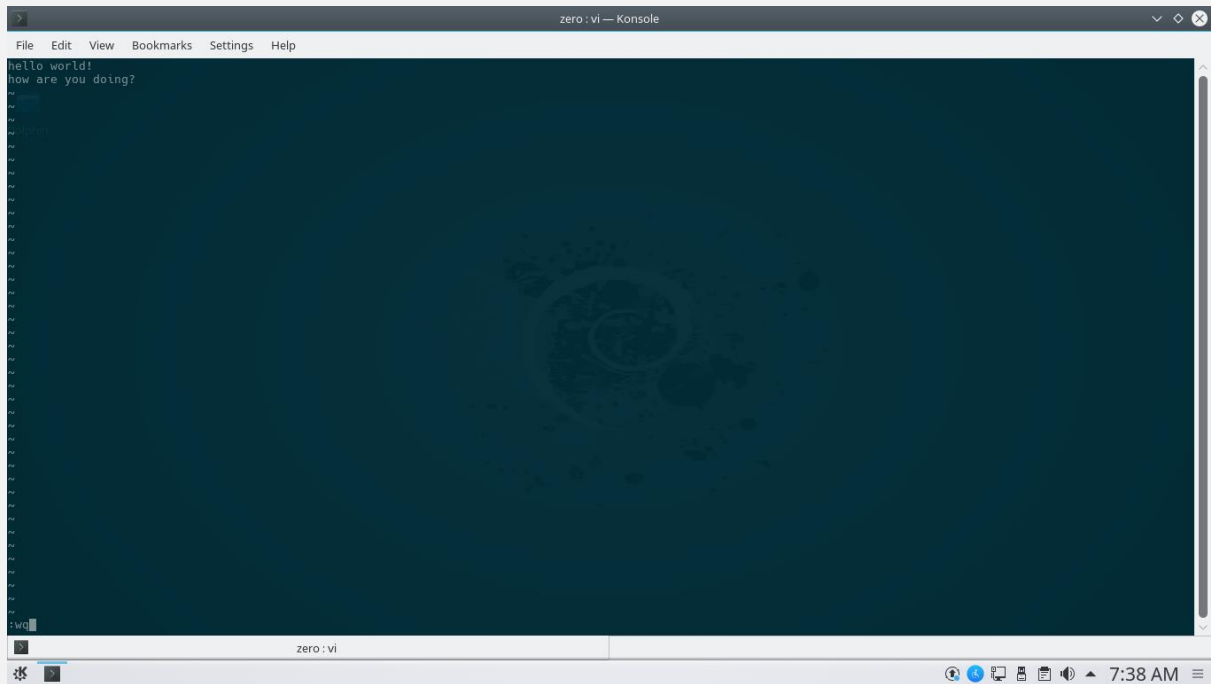
```
root@zero:/# adduser rasool
Adding user `rasool' ...
Adding new group `rasool' (1002) ...
Adding new user `rasool' (1001) with group `rasool' ...
Creating home directory `/home/rasool' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for rasool
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@zero:/# date
Sat Mar  5 07:17:40 EST 2022
root@zero:/# hostname
zero
root@zero:/# uname
Linux
root@zero:/# whoami
root
root@zero:/# ps
  PID TTY          TIME CMD
  4910 pts/2    00:00:00 su
  4911 pts/2    00:00:00 bash
  5145 pts/2    00:00:00 ps
root@zero:/#
```

کار با فایل

```
root@zero:~# mkdir test1
root@zero:~# ls
Desktop  Documents  Downloads  file  Music  Pictures  Public  Templates  test1  tmpmnt  Videos
root@zero:~# mkdir test1/test2
root@zero:~# ls test1/
test2
root@zero:~# cd test1
root@zero:~/test1# touch test
root@zero:~/test1# ls
test  test2
root@zero:~/test1# cp test test2/cp-test
root@zero:~/test1# ls test2/
cp-test
root@zero:~/test1# cd test2
root@zero:~/test1/test2# mv cp-test cp-test1
```

```
root@zero:~/test1/test2# cat > cp-test1
hello world!
^C
root@zero:~/test1/test2# cat cp-test1
hello world!
root@zero:~/test1/test2# find / -name cp-test1
/root/test1/test2/cp-test1
root@zero:~/test1/test2#
```

کار با vi



```
root@zero:~/test1/test2# vi cp-test1
root@zero:~/test1/test2# cat cp-test1
hello world!
how are you doing?
root@zero:~/test1/test2#
```

دسترسی

```
root@zero:~# ls test1/test2/cp-test1 -l
-rw-r--r-- 1 root root 32 Mar  5 07:39 test1/test2/cp-test1
root@zero:~# chmod -R u+rwX test1/
root@zero:~# ls test1/ -l
total 4
-rwxr--r-- 1 root root  0 Mar  5 07:23 test
drwxr-xr-x 2 root root 4096 Mar  5 07:39 test2
root@zero:~# ls test1/test2/cp-test1 -l
-rwxr--r-- 1 root root 32 Mar  5 07:39 test1/test2/cp-test1
root@zero:~#
```

تنظیمات شبکه به صورت گرافیکی

Edit Connection 'New 802-3-ethernet' — Connection editor

Connection name: New 802-3-ethernet connection

General configuration | Wired | 802.1x Security | IPv4

Method: Manual

DNS Servers: 8.8.4.4, 8.8.8.8

Search Domains:

DHCP Client ID:

Address	Netmask	Gateway
192.168.58.2	255.255.255.0	0.0.0.0

☒ IPv4 is required for this connection

Routes...

تنظیمات شبکه با خط فرمان

```
root@zero:~# ifconfig
enp@s9: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.4.15 netmask 255.255.255.0 broadcast 10.0.4.255
    inet6 fe80::808f:42b6:8855:66b7 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:61:47:73 txqueuelen 1000 (Ethernet)
    RX packets 146 bytes 104453 (102.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 125 bytes 14439 (14.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1 (Local Loopback)
    RX packets 8 bytes 396 (396.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 396 (396.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@zero:~# ifconfig enp@s9 192.168.58.2
root@zero:~# ifconfig
enp@s9: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.58.2 netmask 255.255.255.0 broadcast 192.168.58.255
    inet6 fe80::808f:42b6:8855:66b7 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:61:47:73 txqueuelen 1000 (Ethernet)
    RX packets 146 bytes 104453 (102.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 132 bytes 15758 (15.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1 (Local Loopback)
    RX packets 8 bytes 396 (396.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 396 (396.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

جدول مسیر یابی

```
root@zero:~# route -n
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use Iface
0.0.0.0          10.0.4.2        0.0.0.0         UG    100    0      0 enp0s9
10.0.4.0         0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
192.168.58.0     0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
```

این جدول نشان میدهد که بسته هایی با آی پی رنج 192.168.58.0 - 192.168.58.255 و

10.0.4.0 – 10.0.4.255 با استفاده از ARP در همین شبکه مسیر یابی میشوند

در غیر این صورت بسته ها به Gateway با آی پی 10.0.4.2 ارسال میشوند

اضافه کردن default gw

```
root@zero:~# route add default gw 192.168.1.10
SIOCADDRT: Network is unreachable
root@zero:~# route -n
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use Iface
0.0.0.0          10.0.4.2        0.0.0.0         UG    100    0      0 enp0s9
10.0.4.0         0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
192.168.58.0     0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
root@zero:~#
```

اضافه نشد

```
root@zero:~# route -Cn
Kernel IP routing cache
Source           Destination      Gateway         Flags Metric Ref    Use Iface
root@zero:~#
```

```
root@zero:~# route add -host 192.158.58.3 reject
root@zero:~# route -n
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use Iface
0.0.0.0          10.0.4.2        0.0.0.0         UG    100    0      0 enp0s9
10.0.4.0         0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
192.158.58.3     -               255.255.255.255 !H      0      -      0 -
192.168.58.0     0.0.0.0         255.255.255.0   U     100    0      0 enp0s9
root@zero:~#
```