

AIM:- Perform Remote login using telnet server

Step 1: Open the Terminal

First open the [terminal](#) in your Ubuntu machine.

Step 2: Check Telnet Availability

Run the below command to check Telnet's availability in the Ubuntu repository. It shows version **0.17**.

```
apt show telnetd
```

Step 3: Install Telnet

Now install the Telnet using [apt manager](#). Execute the below command in the terminal.

```
sudo apt install telnetd -y
```

Step 4: Verify Telnet Status

Once the installation is completed, check the status of the Telnet, it should be active.

```
sudo systemctl status inetd
```

Step 5: Configure the Firewall

Now check if the firewall is active or not by using the below command to check its status.

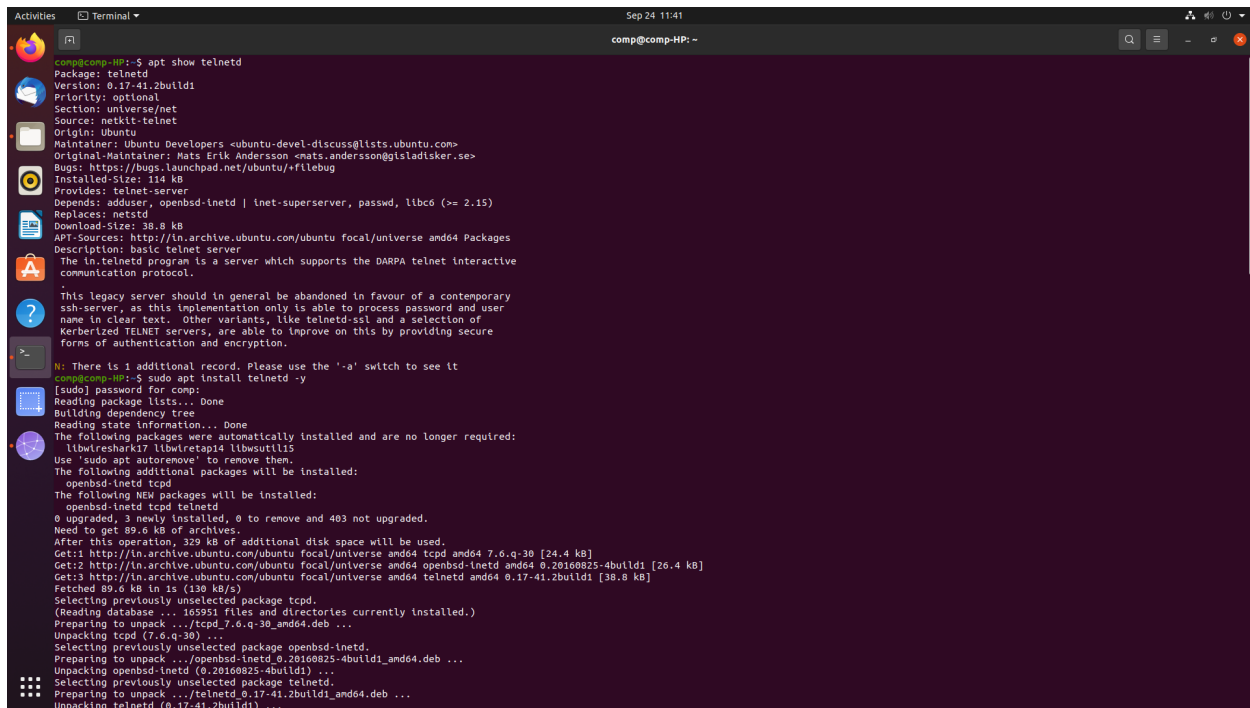
```
sudo ufw status
```

```
sudo ufw allow 23
```

Step 6: Connect to a Remote Server Using Telnet

Now we have to connect to the other computer by using its IP address by using the below command.

telnet localhost

A terminal window titled 'Terminal' with a dark purple background. The prompt is 'comp@comp-HP: ~'. The user enters 'apt show telnetd'. The output shows package details for telnetd, including version 0.17-41.2build1, priority optional, and source netkit-telnet. The user then enters 'sudo apt install telnetd -y'. The terminal shows the process of installing the package, including reading package lists, building a dependency tree, and downloading files from the Ubuntu archive. The installation is successful, and the user is prompted to enter a password for 'comp'.

```
comp@comp-HP:~$ apt show telnetd
Package: telnetd
Version: 0.17-41.2build1
Priority: optional
Section: universe/net
Source: netkit-telnet
Origin: ubuntu
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
Original-Maintainer: Mats Erik Andersson <mats.andersson@glsladisker.se>
Bugs: https://bugs.launchpad.net/ubuntu/+filebug
Installed-Size: 114 kB
Provides: telnet-server
Depends: adduser, openssh-inetd | inet-superserver, passwd, libc6 (>= 2.15)
Replaces: netbsd
Download-Size: 38.8 kB
APT-Sources: http://in.archive.ubuntu.com/ubuntu focal/universe amd64 Packages
Description: basic telnet server
The in.telnetd program is a server which supports the DARPA telnet interactive
communication protocol.
.
This legacy server should in general be abandoned in favour of a contemporary
ssh-server, as this implementation only is able to process password and user
name in clear text. Other variants, like telnetd-ssl and a selection of
Kerberized TELNET servers, are able to improve on this by providing secure
forms of authentication and encryption.
.
N: There is 1 additional record. Please use the '-a' switch to see it
comp@comp-HP:~$ sudo apt install telnetd -y
[sudo] password for comp:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libwireless17 libwiretap14 libwsutil15
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  openssh-inetd tcpd
The following NEW packages will be installed:
  openssh-inetd tcpd telnetd
0 upgraded, 3 newly installed, 0 to remove and 403 not upgraded.
Need to get 89.6 kB of archives.
After this operation, 329 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 tcpd amd64 7.6.q-30 [24.4 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 openssh-inetd amd64 0.20160825-4build1 [26.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 telnetd amd64 0.17-41.2build1 [38.8 kB]
Fetched 89.6 kB in 1s (130 kB/s)
Selecting previously unselected package tcpd.
(Reading database ... 165951 files and directories currently installed.)
Preparing to unpack .../tcpd_7.6.q-30_amd64.deb ...
Unpacking tcpd (7.6.q-30) ...
Selecting previously unselected package openssh-inetd.
Preparing to unpack .../openssh-inetd_0.20160825-4build1_amd64.deb ...
Unpacking openssh-inetd (0.20160825-4build1) ...
Selecting previously unselected package telnetd.
Preparing to unpack .../telnetd_0.17-41.2build1_amd64.deb ...
Unpacking telnetd (0.17-41.2build1) ...
```

```
Activities Terminal Sep 24 11:41
comp@comp-HP: ~

Setting up tcpd (7.6.q-30) ...
Setting up openbsd-inetd (0.20160825-4build1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/inetd.service → /lib
/systemd/system/inetd.service.
Setting up telnetd (0.17-41.2build1) ...
Adding user telnetd to group utmp
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
comp@comp-HP:~$ sudo systemctl status inetd
inetd.service - Internet superserver
Loaded: loaded (/lib/systemd/system/inetd.service; enabled; vendor preset:
Active: active (running) since Tue 2024-09-24 11:10:33 IST; 10s ago
Docs: man:inetd(8)
Main PID: 5270 (inetd)
Tasks: 1 (limit: 18717)
Memory: 836.0K
CGroup: /system.slice/inetd.service
└─5270 /usr/sbin/inetd

Sep 24 11:10:33 comp-HP systemd[1]: Starting Internet superserver...
Sep 24 11:10:33 comp-HP systemd[1]: Started Internet superserver.

comp@comp-HP:~$ sudo ufw status
Status: inactive
comp@comp-HP:~$ sudo ufw enable
Firewall is active and enabled on system startup
comp@comp-HP:~$ sudo ufw allow 23
Rule added
Rule added (v6)
comp@comp-HP:~$ sudo systemctl status inetd
inetd.service - Internet superserver
Loaded: loaded (/lib/systemd/system/inetd.service; enabled; vendor preset:
Active: active (running) since Tue 2024-09-24 11:10:33 IST; 1min 31s ago
Docs: man:inetd(8)
Main PID: 5270 (inetd)
Tasks: 1 (limit: 18717)
Memory: 716.0K
CGroup: /system.slice/inetd.service
└─5270 /usr/sbin/inetd

Sep 24 11:10:33 comp-HP systemd[1]: Starting Internet superserver...
Sep 24 11:10:33 comp-HP systemd[1]: Started Internet superserver.

comp@comp-HP:~$ telnet 192.168.1.10
Trying 192.168.1.10...
telnet: Unable to connect to remote host: Connection timed out
comp@comp-HP:~$ telnet 192.168.1.10
Trying 192.168.1.10...
telnet: Unable to connect to remote host: Connection timed out
comp@comp-HP:~$ telnet telnet 192.168.1.10
telnet: could not resolve telnet/192.168.1.10: Servname not supported for ai_socktype
comp@comp-HP:~$ telnet localhost
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^['.
Ubuntu 20.04.5 LTS
```

```
Activities Terminal Sep 24 11:43
comp@comp-HP: ~

comp@comp-HP:~$ telnet localhost
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^['.
Ubuntu 20.04.5 LTS
comp-HP login: comp
Password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-46-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

1 device has a firmware upgrade available.
Run 'fwupdgr get-upgrades' for more information.

499 updates can be applied immediately.
346 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

New release '22.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Tue Sep 24 11:33:30 IST 2024 from localhost on pts/1
comp@comp-HP:~$
```