1. Install Telnet Server (on the server machine)

- Update package lists:

  Bash

  ```
  sudo apt update
  ```

- Install Telnet server:

  Bash

  ```
  sudo apt install telnetd
  ```

- Start and enable the Telnet service:

  Bash

  ```
  sudo systemctl start telnet.socket
  sudo systemctl enable telnet.socket
  ```

2. Allow Telnet traffic through the firewall (on the server machine)

- If using `firewalld` :

  Bash

  ```
  sudo firewall-cmd --permanent --zone=public --add-service=telnet
  sudo firewall-cmd --reload
  ```

- If using `iptables` :

  Bash

  ```
  sudo iptables -A INPUT -p tcp --dport 23 -j ACCEPT
  sudo iptables-save
  ```

3. Install Telnet Client (on the client machine)

- Update package lists:

Bash

```
sudo apt update
```

- Install Telnet client:

Bash

```
sudo apt install telnet
```

4. Test Telnet Connection

- From the client machine:

Bash

```
telnet <server_ip_address>
```

- Replace `<server_ip_address>` with the actual IP address of the server.
- You should see a connection to the server. Enter the username and password of a valid user on the server.
- Once connected, you can execute commands on the server.

5. Disable Telnet (Important Security Note)

- Telnet transmits data in plain text, making it highly insecure.
- It is strongly recommended to disable Telnet after testing.
- Stop and disable the Telnet service:

Bash

```
sudo systemctl stop telnet.socket
sudo systemctl disable telnet.socket
```

- Remove the Telnet server package (optional):

Bash

```
sudo apt remove telnetd
```

- If using `firewalld`, remove the Telnet rule:

Bash

```
sudo firewall-cmd --permanent --zone=public --remove-service=telnet
sudo firewall-cmd --reload
```

- If using `iptables` , remove the Telnet rule:

Bash

```
sudo iptables -D INPUT -p tcp --dport 23 -j ACCEPT
sudo iptables-save
```

Important Security Considerations:

- Telnet is inherently insecure due to its lack of encryption.
- Use SSH (Secure Shell) for secure remote access. SSH provides encrypted communication and offers a more robust and secure alternative to Telnet.

This guide provides a basic setup and testing of Telnet. Remember to prioritize security and avoid using Telnet in production environments