Secure SHell(SSH)

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t.me/FUMLUG
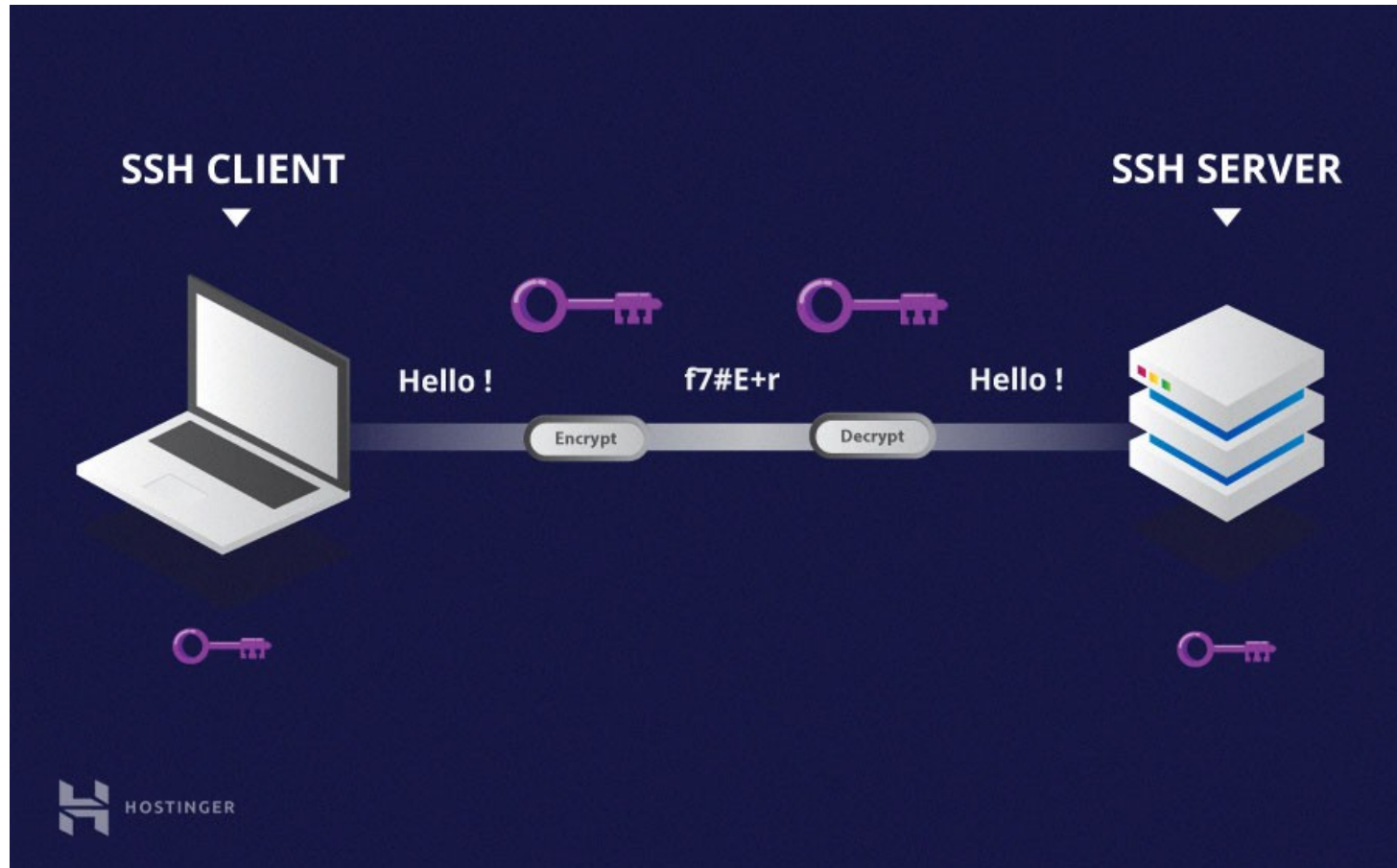
Telnet :/

Src: https://www.fs.com/which-client-software-is-better-for-telnet-and-ssh-aid-600.html

No Encryption!

SSH

Src: https://www.hostinger.co.uk/tutorials/ssh-tutorial-how-does-ssh-work

$ ssh

Description :

    ssh (SSH client) is a program for logging into a remote machine and for executing commands on a remote machine. It is intended to provide secure encrypted communications between two untrusted hosts over an insecure network.

Example:

```
$ man ssh

$ ssh user1@165.227.74.138

# X Windows
$ ssh -X user1@165.277.74.138
user1@FUMLUG: xclock
```

$ scp

Description :

    scp copies files between hosts on a network. It uses ssh for data transfer, and uses the same authentication and provides the same security as ssh.

Example:

```
$ man scp

$ scp file.txt user1@165.227.74.138:~/test
$ scp user1@165.227.74.138:~/test/file2.txt ~
$ scp -r user1@165.227.74.138:~/test ~
```

$ ssh-keygen

Description :

    ssh-keygen generates, manages, and converts authentication keys for ssh.

Example:

```
$ man ssh-keygen

$ ssh-keygen -t rsa -b 4096 -C your_email@example.com
Enter a file in which to save the key: [Press Enter]
Enter passphrase: [Type a passphrase]
Enter same passphrase again: [Type passphrase again]
```

$ ssh-add

Description :

ssh-add adds private key identities to the authentication agent.

Example:

```
$ man ssh-add

$ ssh-add ~/.ssh/id_rsa
```

$ ssh-copy-id

Description :

    use locally available keys to authorize logins on a remote machine.

Example:

```
$ man ssh-copy-id

$ ssh-copy-id user1@165.227.74.138
```

SSH Tunneling

Description :

   "Dynamic Port Forwarding" works similarly to a proxy or VPN. The SSH client will create a SOCKS proxy you can configure applications to use. All the traffic send through the proxy would be sent through the SSH server.

Example:

```
$ ssh -D 8888 user1@165.227.74.138
```