

SSH (**S**ecure **S**hell)

- The SSH protocol is used for:
 - **S**ecure Remote Management of Servers, Routers, other Networking Devices
 - Network File Copy: [rsync](#), [scp](#), [sftp](#), [winscp](#)
 - Tunneling, SSH Port Forwarding
- **sshd** is the SSH server (daemon) and **ssh** or **putty** is the client

Installation:

- **Ubuntu:** `sudo apt update && sudo apt install openssh-server openssh-client`
- **CentOS:** `sudo dnf install openssh-server openssh-clients`
- Checking its status: `sudo systemctl status ssh`
- Service Stop, Restart, Start: `sudo systemctl [start|restart|stop] ssh`
- Enable, Disable auto booting: `sudo systemctl [enable|disable] ssh`

Server config file: [/etc/ssh/sshd_config](#)

Client Config file: [/etc/ssh/ssh_config](#)

```
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
```

```
@    WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!    @
```

```
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
```

```
IT IS POSSIBLE THAT SOMEONE IS DOING SOMETHING NASTY!
```

```
Someone could be eavesdropping on you right now (man-in-the-middle attack)!
```

```
It is also possible that a host key has just been changed.
```

```
The fingerprint for the ECDSA key sent by the remote host is
```

```
SHA256:dml6c4xBSGXK0FMF9+Ge44aX7Kz6QUHb08bI3igueN0.
```

```
Please contact your system administrator.
```

```
Add correct host key in /home/andrei/.ssh/known_hosts to get rid of this message.
```

```
Offending ECDSA key in /home/andrei/.ssh/known_hosts:3
```

```
    remove with:
```

```
    ssh-keygen -f "/home/andrei/.ssh/known_hosts" -R "192.168.0.108"
```

```
ECDSA host key for 192.168.0.108 has changed and you have requested strict checking.
```

```
Host key verification failed.
```