SSH-KEY

An **SSH key** is a pair of cryptographic files used for highly secure, password-less authentication when connecting to a remote computer system using the **Secure Shell (SSH) protocol** .

This pair consists of a **public key**, which is placed on the server you want to access, and a **private key**, which you keep secret on your local machine. When you attempt to connect, the server uses the public key to verify that you possess the corresponding private key, granting you access without needing to enter a password.

There is a Network chuck video which explains more.

You can generate a ssh key with the command

```
ssh-keygen -t ed25519
```

then you can set a password for the private key for even better security, but that is optional and it would be sufficient for most cases without a password.

then you can find the public ssh key to add to the servers you need to use in the folder '.ssh' in your home folder if you are on windows it could look like this 'c:\users\{username}\.ssh\' and then you are looking for the file named 'id_ed25519.pub' which is the key you can use on the server

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