Local port forwarding

Command explanation

To forward port of remote host use the following command

```
ssh -L <LOCAL_PORT>:<TUNNEL_IP>:<DESTINATION_PORT> <user>@<server_ip>
```

-L stands for local adress because we are tunneling connection on local machine, TUNNEL_IP is 127.0.0.1

```
ssh -L <LOCAL_PORT>:127.0.0.1:<DESTINATION_PORT> <user>@<server_ip>
```

Real life example

- I have a server with ip *69.69.69.69*
- I have user on a server called *gnumik*
- My public key is recognized by this server and I can establish ssh connection like this:

```
ssh gnumik@69.69.69.69
```

- I have postgresql data base running on the server on port *5432*
- I want to have access to this postgre instance from my local machine using local port *5433*
- I need to execute the following command on my local machine:

```
ssh -L 5433:127.0.0.1:5432 gnumik@69.69.69.69
```

P.S. I use arch btw

Revision #2
Created 16 April 2024 19:08:54 by s4m1d
Updated 20 March 2026 21:46:23 by s4m1d