

## Installing OpenSSH and generating keys

Information on ssh keys and configs are stored in `/etc/ssh/`

- `pacman -S openssh`
- `ssh-keygen`
- `eval $(ssh-agent)`
- `ssh-add`
- `ssh-copy-id remotename@remotehostaddress`

On remote server: authorized keys stored in `~/.ssh/authorized_keys` ssh & sshd configuration files stored in `/etc/ssh/` In configuration files, commented lines are default values

### for passwordless login

- disable password login, disable root login, enable X11 forwarding for graphical applications if desired
- in `sshd_config`, pay attention that the correct path for `AuthorizedKey` is given. Reference to home directory cannot be `~`, but needs to be called with path variable `%h` instead...
- ssh is denied if the rights on `~`, `~/.ssh`, `~/.ssh/authorized_keys` are not strict enough

## Find IP-addresses

`ip addr show`

## Port forwarding setup on VirtualBox guest:

In VirtualBox the default NAT setting is not enough. Either use port forwarding or expose VirtualBox to internet with bridged network.

- Determine custom port your server listens to
- In VBox, add port forward from a port on the host to the chosen port on the guest you listen to
- **Add port forwarding of the physical router to your chosen host port**  
internet -> router -> host port -> virtual guest port