

# Install SSH server

```
apt-get install ssh
```

Running `ssh-keygen` as root will install the host keys, `ssh-keygen` as `<user>` the keypair into directory `~/.ssh`. The private key file, e.g. `~/.ssh/id_rsa` needs to be copied to all clients which need access to the server, the public key file, e.g. `~/.ssh/id_rsa.pub`, needs to be added to the `authorized_keys` file of the server to allow access to the server. In addition, you should adjust the access rights for the different files and directories. As `<user>`, enter the following commands

On the client:

```
ssh-keygen
ssh -vvv -p <port#> <servername> // check the ssh connection
sftp -oPort=<port#> <servername> // transfer the public key file
sftp > put client_id_rsa.pub
```

On the server:

```
sudo cat client_id_rsa.pub >> ~/.ssh/authorized_keys
```

Make sure permissions and ownership are set correctly:

```
sudo chmod 700 ~/.ssh
sudo chmod 600 ~/.ssh/*
sudo chown -R user:user ~/.ssh
```

Check the ssh access:

```
ssh <servername> whoami // needs to return the username under which the ssh
access was established, e.g. user1
ssh -l root <servername> whoami // needs to return "root", as this
establishes the ssh access as root, not as user1
ssh -vvv -p <port#> -l root <servername> whoami // same as above, but use
different port number with full debug verbose output
```

Important

- generate the keypair under user rights, not root, e.g. `user1`
- establish ssh access under user rights by accessing that user's `.ssh` directory on the server (use the `user1` public key)
- establish ssh access under root rights by accessing root's `.ssh` directory on the server (use the `user1` public key)

You might need to include the user in `sshd.conf` to authorize access.

## SSH access with keypair

- [Install SSH access with keypair](#) with this guide

## Helpful links

- <http://backuppc.sourceforge.net/faq/ssh.html>
- <http://sourceforge.net/apps/mediawiki/backuppc/index.php?title=Troubleshooting>

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