

# How to add an SSH Key for GITLAB

## GET/SET SSH KEY

You need an SSH key that resides on your workstation/notebook. You can use an already existing key or generate a new one.

To check if you already have an SSH certificate that you have to check the file: LINUX/MACOSX

```
.ssh/id_rsa.pub
```

WINDOWS

```
%userprofile%\.ssh\id_rsa.pub
```

If this file contains an SSH-RSA key, proceed to [Configure the SSH key on gitlab.inf.unibz.it](https://gitlab.inf.unibz.it). If this file is empty or does not exist, it means that the key was never generated.

To generate the key you can use a key generator such as [PuTTYgen](#), or command line. To generate the key via command line use the command:

```
ssh-keygen -t rsa -C "your_email@unibz.it" -b 4096
```

To generate the key via PuTTYgen follow the guidelines of the product.

Remember that you can also use another name for the file name. You can call the file gitlab.inf\_rsa if you prefer or anything else.

## CONFIGURE GITLAB ONLINE

Login to GitLab and go to → Profile Settings → SSH Keys. In the field Key copy the contents of the file: id\_rsa.pub generated in step 1. Once you click Add Key, you will see the key listed in your SSH Keys.

## LOCAL GITLAB PROFILE

### GLOBAL GIT ACCOUNT

You have to configure your locally installed gitlab client to connect using the ssh key.

Inside a terminal (Linux, MacOS)/GIT bash (Windows), type the following:

```
git config --global user.name "Firstname Lastname"  
git config --global user.email "your_email@unibz.it"
```

```
git config --list
```

The last command should show the data you entered and is your gitlab global configuration.

This data is saved in the file ~/.gitconfig:

```
[user]
  name = Lastname Firstname
  email = your_email@unibz.it
```

Try to checkout repo. Should you experience trouble check the contents of file: .ssh/config. You can manually insert:

```
host gitlabhostname.unibz.it
```

## LOCAL GIT ACCOUNT

You can also have different gitlab accounts (with different RSA keys) for different hosts. You can keep a global user/email configuration and a local configuration for a specific repository. In the root of a repository, run:

```
git config user.name "Firstname Lastname"
git config user.email "your_other@email"
```

From:  
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Last update: **2019/01/16 10:03**

