

# Connecting R Studio and Github

PUBLISHED

September 5, 2025

## Browser

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1. Install R studio and R
2. Install [Git](#)
3. Make an account at [Github](#). Remember your username. Use your BU email.

## RStudio

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### Tools > Global Options

select "Git/SVN" to see location of git.exe

### Terminal

1. Check git version. Current is 2.51.

```
git --version
```

2. Configure git:

user.name, email address, default branch name.

```
git config --global user.name "Your Name"
```

```
git config --global user.email "your.email@example.com"
```

```
git config --global init.defaultBranch main
```

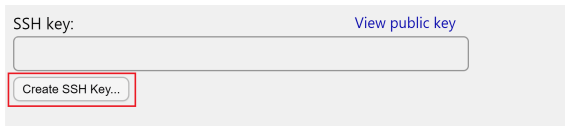
3. Check your git configuration

```
git config --list
```

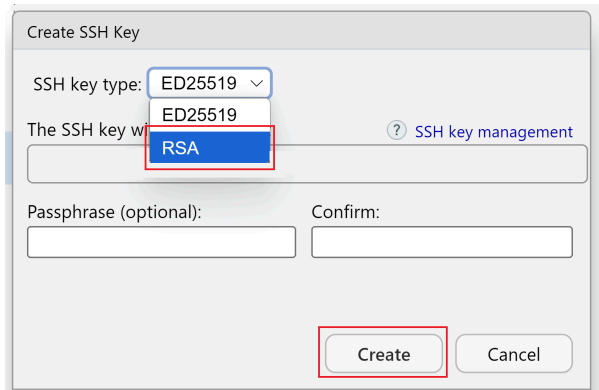
**\*\*Note:\*\*** git configuration is safe. You can add settings, change settings, or delete settings easily.

## Tools > Global Options Select *Git/SVN*.

### create ssh key

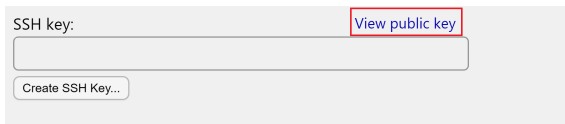


### Select RSA, then click Create



### click on view pubic key

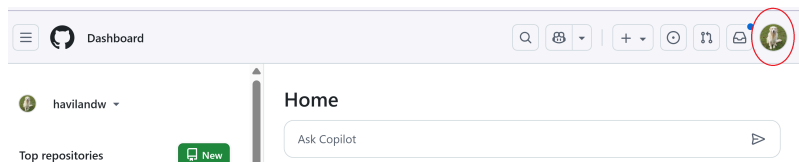
### copy your key (which should start with `ssh-rsa...`)



## Github

### Install your SSH key

### click on your profile icon



Select *settings* on the pulldown

Click *SSH and GPG Keys*

Select *New SSH Key*

Paste *your SSH key*

Set *a name for you Key*

## Make an organization

**click on your profile icon**

Select **Your Organizations**

Make a **New Organization**

Select FREE

Copy the name you gave your organization

## RStudio

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### Terminal: test the ssh link

```
ssh -T git@github.com
```

### Packages tab

**Install** usethis

### Console

```
usethis::create_github_token()
```

You will be taken to your github account.

**Create** a token by selecting the duration for your token along with check all the other marking permissions.

Remember to copy your token

**Paste** the token

```
gitcreds::gitcreds_set()
```

**To see your token:**

```
usethis:: git_sitrep()
```

## Rstudio project setup Workflow

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**Create** a folder on your computer

**Create** a new R project

**Set up** git for the project

**Add** files to your git repo  
**commit**

`usethis::use_github()`

**enter** your Organization

## Github

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click on "Add a README" add some text in the file.

commit

## RStudio

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Pull

You see your readme.

Everything is ready to go.