

Installing Git and Linking to GitHub via RStudio

Jérémy Carlot

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1 Installing Git and Linking to GitHub via RStudio

This guide explains how to install Git and connect it to a GitHub account via RStudio on both Windows and macOS.

2 Windows Setup

2.1 1. Install Git

1. Go to: <https://git-scm.com/download/win>
2. Download the **64-bit Git for Windows** installer.
3. Open the installer and accept default settings except:
 - When asked about the default editor, choose **Notepad++** or keep **Vim** (default).
 - When adjusting your PATH, choose **Git from the command line and also from 3rd-party software**.
4. Finish installation.

2.2 2. Check Git Installation

Open **Command Prompt** or **PowerShell** and type:

```
bash git --version
```

You should see a version number.

2.3 3. Create a GitHub Account

Go to <https://github.com> and sign up using your email address.

2.4 4. Link Git to GitHub

```
git config --global user.name "Your Name"  
git config --global user.email "your_email@example.com"
```

Use the same email as in your GitHub account.

2.5 5. Set Up a Personal Access Token (PAT)

1. On GitHub, go to **Settings** → **Developer settings** → **Personal access tokens** → **Tokens (classic)**.
2. Click **Generate new token (classic)**.
3. Name it (e.g., “RStudio Access”), set expiration, and select repo.
4. Copy and save the token somewhere safe.

2.6 6. Link RStudio to Git

1. Open **RStudio**.
2. Go to **Tools** → **Global Options** → **Git/SVN**.
3. Check **Enable version control interface for RStudio projects**.
4. Set Git executable to:

```
C:\Program Files\Git\bin\git.exe
```

3 Mac Setup

3.1 1. Install Git

Option 1 – Install via Xcode Command Line Tools:

```
xcode-select --install
```

Option 2 – Install via Homebrew:

```
brew install git
```

To use Homebrew, install it first from <https://brew.sh>.

For other installation methods, see <https://git-scm.com/downloads/mac>.

3.2 2. Check Git Installation

```
git --version
```

3.3 3. Create a GitHub Account

Go to <https://github.com> and sign up using your email address.

3.4 4. Link Git to GitHub

```
git config --global user.name "Your Name"
git config --global user.email "your_email@example.com"
```

Use the same email as in your GitHub account.

3.5 5. Set Up a Personal Access Token (PAT)

Same as Windows Step 5.

3.6 6. Link RStudio to Git

1. Open **RStudio**.
2. Go to **RStudio** → **Preferences** → **Git/SVN**.
3. Check **Enable version control interface for RStudio projects**.
4. Set Git executable to:

```
/usr/bin/git
```