# How to Install Git on Windows

Installing Git on Windows is a straightforward process. Follow these steps to install Git as part of your journey into Git Essentials:

## 1. Download Git

- Visit the official Git website: https://git-scm.com/.  
- Click on the 'Download for Windows' button. The website will automatically detect your operating system and suggest the appropriate version.

## 2. Run the Installer

- Locate the downloaded `.exe` file (usually in your Downloads folder) and double-click to run the installer.  
- A setup wizard will open to guide you through the installation process.

## 3. Configure Installation Settings

- \*\*Select Destination Location\*\*: Choose the default installation location or specify a custom path.  
- \*\*Select Components\*\*: By default, all essential components are pre-selected. Ensure the following are checked:  
 - 'Git Bash Here'  
 - 'Git GUI Here'  
 - 'Associate .git configuration files with the default text editor'

## 4. Adjust PATH Environment

- When prompted to adjust your PATH environment, you’ll see three options:  
 - Use Git from Git Bash only (Default)  
 - Use Git from the command line and third-party software (Recommended)  
 - Use Git and Unix tools from the command line  
- Select the recommended option for ease of use.

## 5. Choose HTTPS Transport Backend

- Keep the default option: 'Use the OpenSSL library' for HTTPS.

## 6. Configure Line Endings

- Choose how Git will handle line endings:  
 - Checkout Windows-style, commit Unix-style line endings (Recommended for Windows).

## 7. Terminal Emulator

- Choose the default terminal emulator for Git Bash:  
 - Use MinTTY (default terminal for Git Bash) (Recommended).

## 8. Complete the Installation

- Proceed through the remaining steps, keeping the default options unless you have specific preferences.  
- Click 'Install' to begin the installation process.  
- Once the installation is complete, click 'Finish' to exit the wizard.

## 9. Verify Installation

- Open Git Bash or the Command Prompt.  
- Type the following command to verify that Git is installed correctly:  
 ```  
 git --version  
 ```  
- You should see the installed version of Git displayed.

## 10. Optional: Configure Git

Set up your username and email for Git commits:  
```  
git config --global user.name "Your Name"  
git config --global user.email "your.email@example.com"  
```