컴퓨터프로젝트관리

1. Git 이란? & 설치

텍스트 파일이 하나 있다

memo.txt

하고싶은 것?

수정한 내용을 기록해두고 싶다

memo.txt

어떻게 할까?

수정할 때 마다 다른 파일로 저장

memo.txt   memo1.txt   memo2.txt

시간이 지나면

흠⋯⋯⋯

memo.txt memo1.txt memo2.txt memo3.txt memo4.txt memo5.txt memo6.txt memo7.txt memo8.txt memo9.txt memo10.txt memo11.txt

파일이 하나가 아니라면?

흠·······

memo.txt memo1.txt memo2.txt memo3.txt memo4.txt memo5.txt memo6.txt memo7.txt memo8.txt memo9.txt memo10.txt memo11.txt

todo.txt todo1.txt todo2.txt todo3.txt todo4.txt todo5.txt todo6.txt todo7.txt todo8.txt todo9.txt todo10.txt todo11.txt

lego.txt lego1.txt lego2.txt lego3.txt lego4.txt lego5.txt lego6.txt lego7.txt lego8.txt lego9.txt lego10.txt lego11.txt

폴더로 정리하면 되지 않을까?

이런 생각 하시는 분이 없기를 바랍니다

Memo

Todo

어떻게 할까?

이런일을 전문으로 하는
소프트웨어가 있다? 없다?
Yes! 있다!

어떤 소프트웨어가 있나?

많다

오늘은 git 을 배워봅시다

왜?

설치

https://git-for-windows.github.io

Git 2.14.1 Setup

Information

Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

GNU General Public License

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change

Next >   Cancel

Git 2.14.1 Setup

Select Destination Location
Where should Git be installed?

Setup will install Git into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

`C:\Program Files\Git`   Browse...

At least 213.0 MB of free disk space is required.

https://git-for-windows.github.io/

< Back   Next >   Cancel

Git 2.14.1 Setup   — ☐ ✕

Select Components
Which components should be installed?

Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
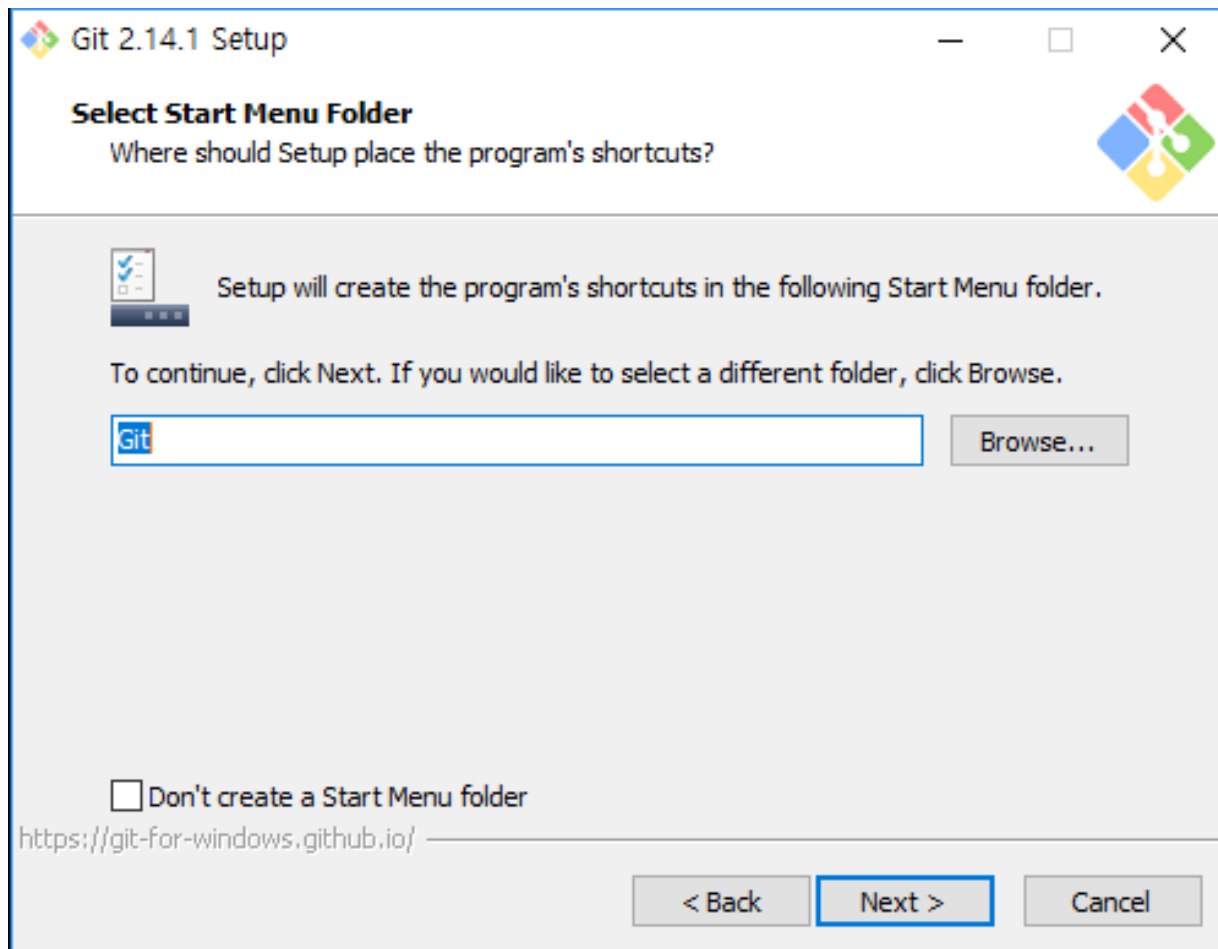
- ☑ Additional icons
  - ☑ On the Desktop
- ☑ Windows Explorer integration
  - ☑ Git Bash Here
  - ☑ Git GUI Here
- ☑ Git LFS (Large File Support)
- ☑ Associate .git* configuration files with the default text editor
- ☑ Associate .sh files to be run with Bash
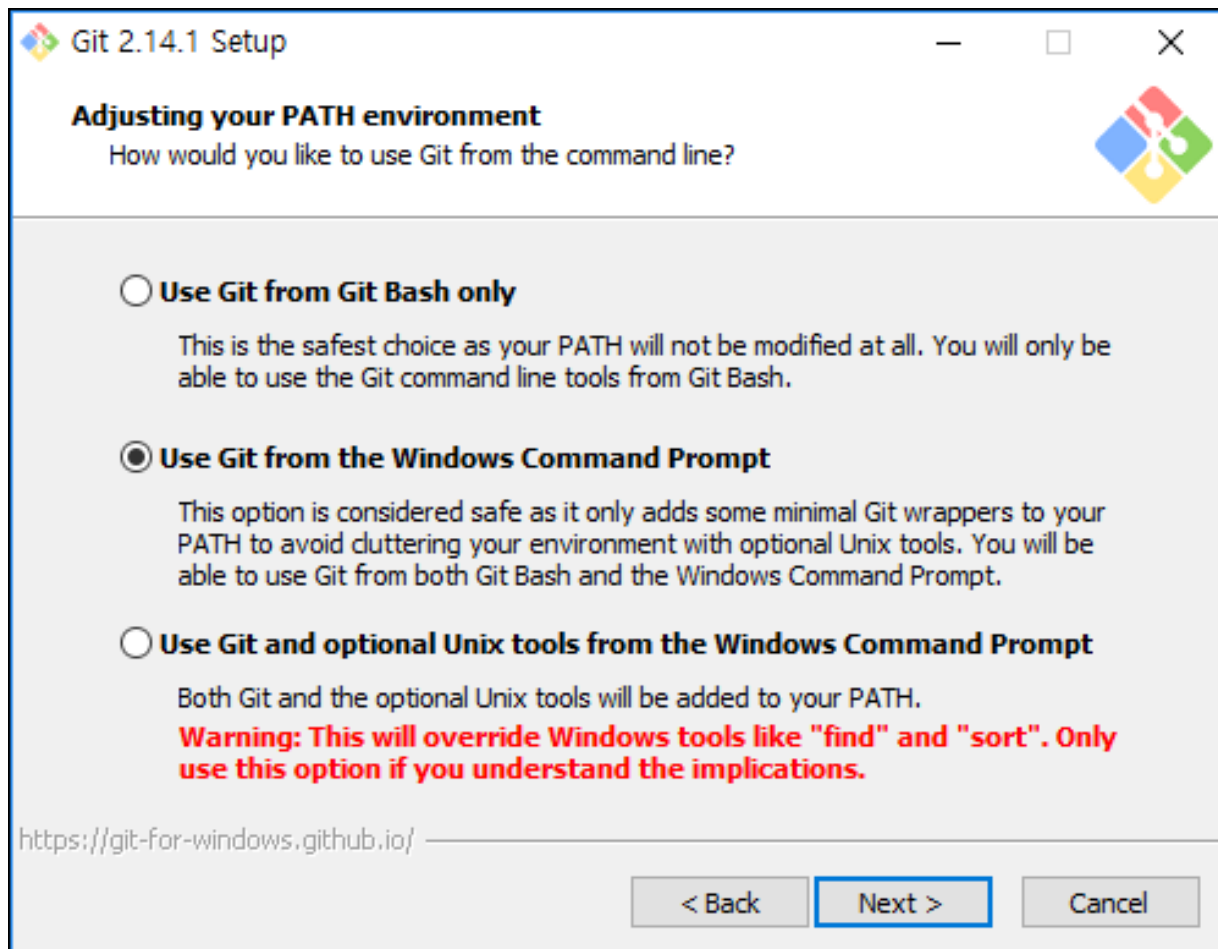- ☐ Use a TrueType font in all console windows

Current selection requires at least 212.9 MB of disk space.

https://git-for-windows.github.io/

[< Back] [Next >] [Cancel]

Git 2.14.1 Setup

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

Git   Browse...

☐ Don't create a Start Menu folder

https://git-for-windows.github.io/

< Back   Next >   Cancel

Git 2.14.1 Setup

Adjusting your PATH environment
How would you like to use Git from the command line?

○ **Use Git from Git Bash only**

This is the safest choice as your PATH will not be modified at all. You will only be able to use the Git command line tools from Git Bash.

◉ **Use Git from the Windows Command Prompt**

This option is considered safe as it only adds some minimal Git wrappers to your PATH to avoid cluttering your environment with optional Unix tools. You will be able to use Git from both Git Bash and the Windows Command Prompt.

○ **Use Git and optional Unix tools from the Windows Command Prompt**

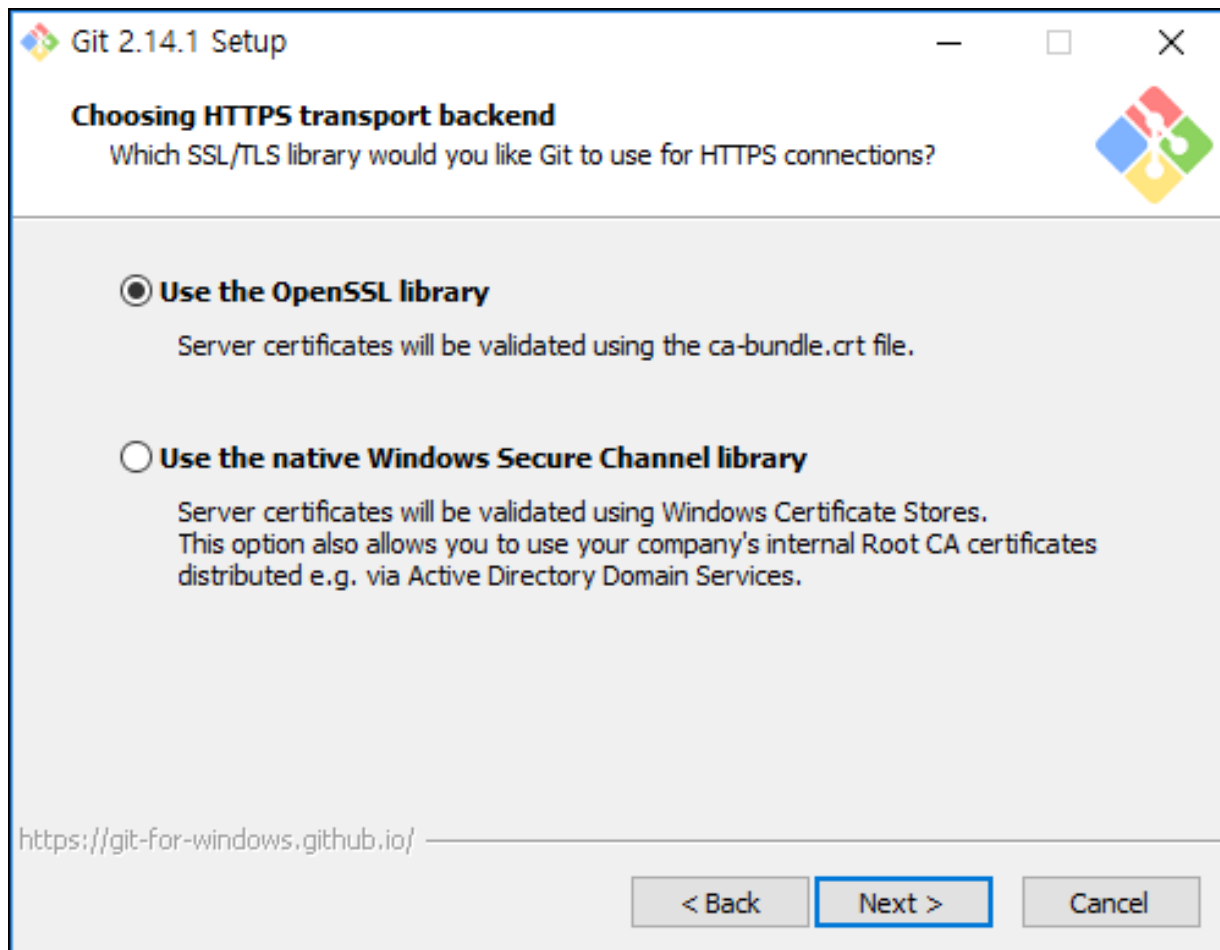Both Git and the optional Unix tools will be added to your PATH.

Warning: This will override Windows tools like "find" and "sort". Only use this option if you understand the implications.

https://git-for-windows.github.io/

[< Back] [Next >] [Cancel]

Git 2.14.1 Setup

Choosing HTTPS transport backend

Which SSL/TLS library would you like Git to use for HTTPS connections?

◉ Use the OpenSSL library

Server certificates will be validated using the ca-bundle.crt file.

○ Use the native Windows Secure Channel library

Server certificates will be validated using Windows Certificate Stores.
This option also allows you to use your company's internal Root CA certificates
distributed e.g. via Active Directory Domain Services.

https://git-for-windows.github.io/

[< Back] [Next >] [Cancel]

Git 2.14.1 Setup

Configuring the line ending conversions
How should Git treat line endings in text files?

◉ **Checkout Windows-style, commit Unix-style line endings**

Git will convert LF to CRLF when checking out text files. When committing
text files, CRLF will be converted to LF. For cross-platform projects,
this is the recommended setting on Windows ("core.autocrlf" is set to "true").

○ **Checkout as-is, commit Unix-style line endings**

Git will not perform any conversion when checking out text files. When
committing text files, CRLF will be converted to LF. For cross-platform projects,
this is the recommended setting on Unix ("core.autocrlf" is set to "input").
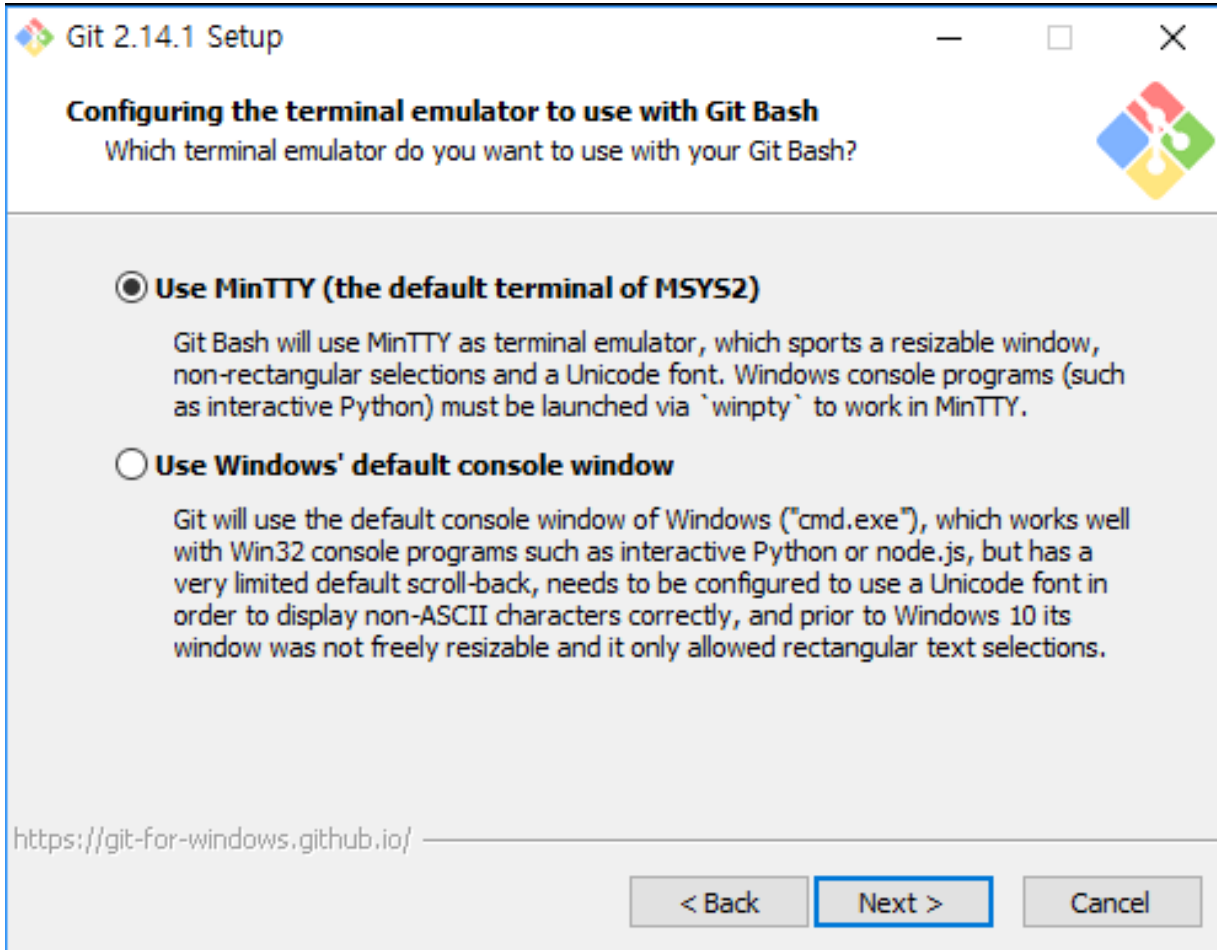
○ **Checkout as-is, commit as-is**

Git will not perform any conversions when checking out or committing
text files. Choosing this option is not recommended for cross-platform
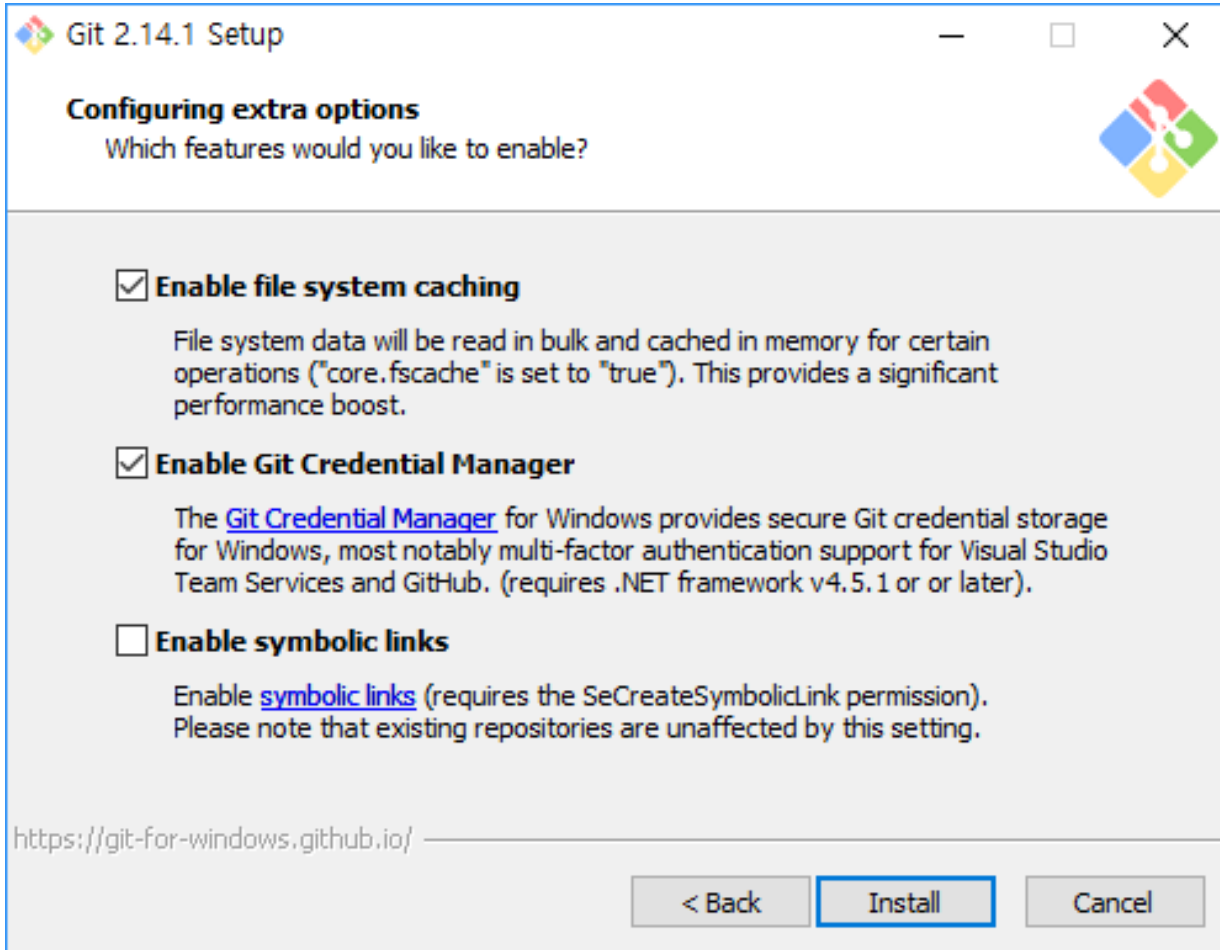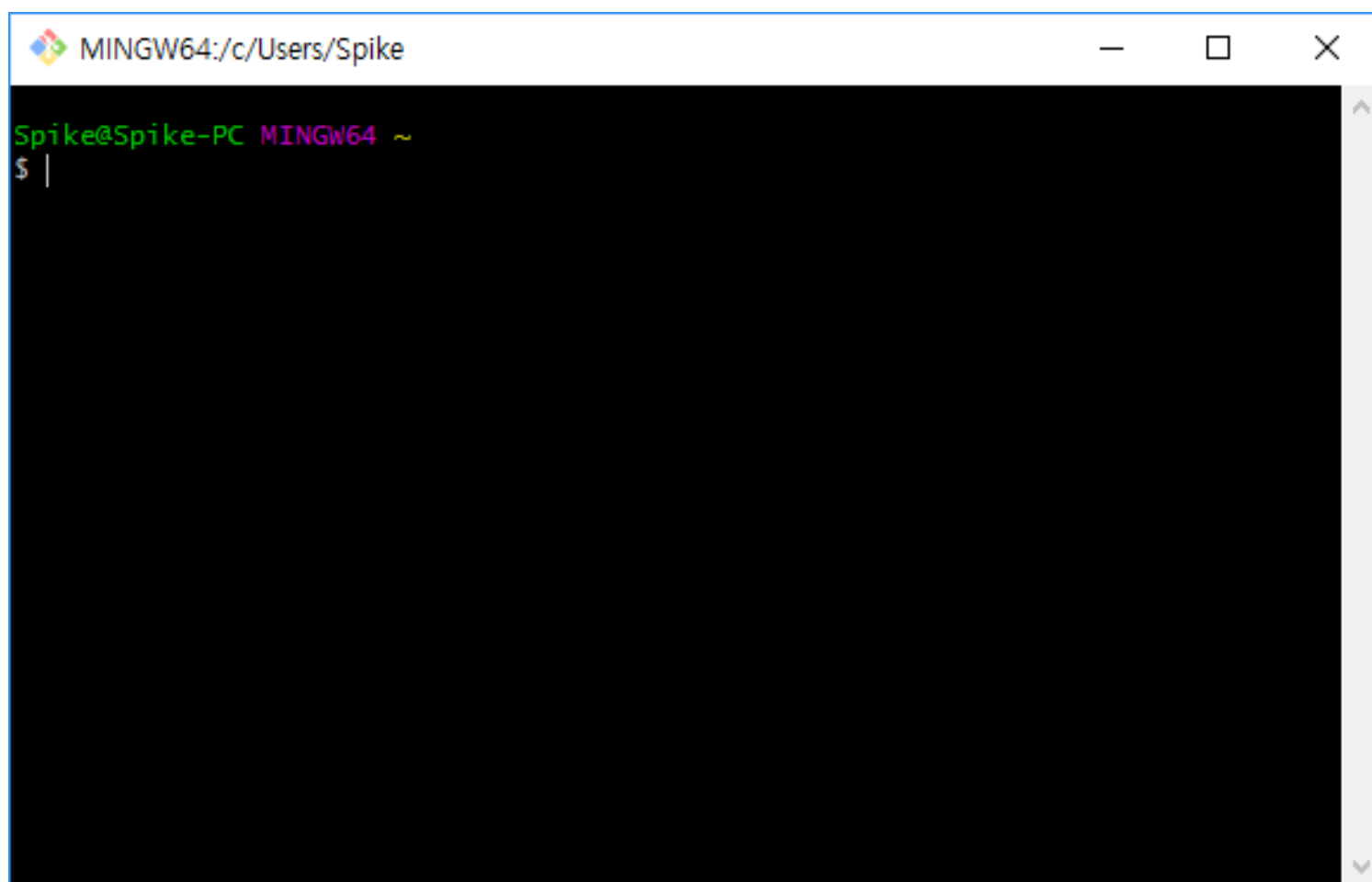projects ("core.autocrlf" is set to "false").

https://git-for-windows.github.io/

[< Back] [Next >] [Cancel]

Git 2.14.1 Setup

Configuring the terminal emulator to use with Git Bash
Which terminal emulator do you want to use with your Git Bash?

◉ Use MinTTY (the default terminal of MSYS2)

Git Bash will use MinTTY as terminal emulator, which sports a resizable window, non-rectangular selections and a Unicode font. Windows console programs (such as interactive Python) must be launched via `winpty` to work in MinTTY.

○ Use Windows' default console window

Git will use the default console window of Windows ("cmd.exe"), which works well with Win32 console programs such as interactive Python or node.js, but has a very limited default scroll-back, needs to be configured to use a Unicode font in order to display non-ASCII characters correctly, and prior to Windows 10 its window was not freely resizable and it only allowed rectangular text selections.

https://git-for-windows.github.io/

[< Back] [Next >] [Cancel]

Git 2.14.1 Setup

Configuring extra options
Which features would you like to enable?

☑ **Enable file system caching**

File system data will be read in bulk and cached in memory for certain operations ("core.fscache" is set to "true"). This provides a significant performance boost.

☑ **Enable Git Credential Manager**

The Git Credential Manager for Windows provides secure Git credential storage for Windows, most notably multi-factor authentication support for Visual Studio Team Services and GitHub. (requires .NET framework v4.5.1 or or later).

☐ **Enable symbolic links**

Enable symbolic links (requires the SeCreateSymbolicLink permission). Please note that existing repositories are unaffected by this setting.

https://git-for-windows.github.io/

[< Back] [**Install**] [Cancel]

```
Spike@Spike-PC MINGW64 ~
$ 
```