## **Installing Git on Windows**

Please note: You will need administrator's rights to install the Git software. If you do not have Administrator's right, please contact your computer support team.

1. Navigate to <u>http://git-scm.com/</u>

The webpage will auto-detect what operating system. Look for the computer screen on the right-hand side of the page. Click on Download 2.21.0 for Windows. Your computer should automatically launch an explorer window and ask you where to save the program on your computer.



2. Navigate to where you saved the Git program .exe file. Right-click on the file and choose 'Run as Administrator'. If asked, enter in administrator credentials. This should launch the installer.

You may receive a security warning about the software being from an unknown publisher. You can safely ignore this message. Click the Run or Yes button to continue or cancel to exit out of the installation.

3. The Git License will display. Read through and then Click Next to accept the terms of the license.

🚸 Git 2.21.0 Setup —		$\times$
Information Please read the following important information before continuing.		<b>&gt;</b>
When you are ready to continue with Setup, dick 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 Pi License is intended to guarantee your freedom to share and char https://gitforwindows.org/	ublic 📖	
nccps;}/gicrorwindows.org)	Can	cel

4. Choose where Git will be installed. Click Next to choose the default location provided unless you know you need to install the software somewhere else on your machine.

🚸 Git 2.21.0 Setup	-	-		$\times$
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	Brow	/se.	
C:\Program Files\Git		Bro	wse	
At least 246.9 MB of free disk space is required.				
https://gitforwindows.org/	(t >		Ca	ncel

5. Select the components you want installed along with the Git software. There are already some default options checked. Make sure to check: Windows Explorer integration, including Git Bash Here and Git GUI Here. This component will allow you to use the Windows Explorer context menu to access git Bash and Git Gui. All other options are optional. See screenshot below.

Oit 2.21.0 Setup	_		$\times$
Select Components			
Which components should be installed?			$\mathbf{\mathbf{v}}$
Select the components you want to install dear the components you install. Click Next when you are ready to continue.	ı do not	want to	
Additional icons			
On the Desktop			
Windows Explorer integration			
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			
Check daily for Git for Windows updates			
Current selection requires at least 246.5 MB of disk space.			
https://gitforwindows.org/			
< Back Next	>	Car	ncel

6. Select your Start menu Folder. Choose Next to use the default.

🚸 Git 2.21.0 Setup	_		$\times$
Select Start Menu Folder Where should Setup place the program's shortcuts?			
Setup will create the program's shortcuts in the following Star	t Me	enu folder	
To continue, click Next. If you would like to select a different folder, cli	ck B	rowse.	
Git	1	Browse	
Don't create a Start Menu folder			
https://gittorwindows.org/	>	Ca	ancel

7. Choose which default editor you would like Git to use. For this class, choose 'Use the Nano editor by default' and click Next

🚸 Git 2.21.0 Setup		_		$\times$
Choosing the default editor used by Git Which editor would you like Git to use?				<b>&gt;</b>
Use the Nano editor by default			~	
(NEW!) <u>GNU nano</u> is a small and friendly text ed window.	itor running in the	e console	2	
https://gitforwindows.org/	ck Next >		Can	rel
< Da	IN NEXU		Cani	Jei

8. Choose how you would like to use Git from the command line. You can choose 'Git from the command line and also from 3<sup>rd</sup>-party software' or 'Use Git from Git Bash only' See screenshot.

🚸 Git 2.21.0 Setup	_		$\times$		
Adjusting your PATH environment How would you like to use Git from the command line?			<b>&gt;</b>		
◯ Use Git from Git Bash only					
This is the safest choice as your PATH will not be modified at a able to use the Git command line tools from Git Bash.	all. You w	ill only be			
If the second					
This option is considered safe as it only adds some minimal Git wrappers to your PATH to avoid duttering your environment with optional Unix tools. You will be able to use Git from Git Bash, the Command Prompt and the Windows PowerShell as well as any third-party software looking for Git in PATH.					
$\bigcirc$ Use Git and optional Unix tools from the Command Prompt					
Both Git and the optional Unix tools will be added to your PAT Warning: This will override Windows tools like "find" and "sort" use this option if you understand the implications.					
https://gitforwindows.org/ < Back Ne:	xt >	Can	cel		

9. Choose a SSL/TLS library. Select 'Use the native Windows Secure Channel library. This allows Git to use the certificates that are native to your machine and may avoid a path problem later on. See screenshot.



10. Choose an option for how Git should treat line endings in text files. Recommended to keep the default as this is better if you're planning on sharing your project with others who may be using a different operating system. Choose 'Checkout Windows-style, commit Unix-style line endings'. See screenshot.

🚸 Git 2.20.1 Setup	_		×	
<b>Configuring the line ending conversions</b> How should Git treat line endings in text files?		•		
Checkout Windows-style, commit Unix-style line endin	gs			
Git will convert LF to CRLF when checking out text files. When text files, CRLF will be converted to LF. For cross-platform pro this is the recommended setting on Windows ("core.autocrlf" is	jects,	-		
O 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://gitforwindows.org/				
< Back Nex	t >	Ca	ncel	

11. Configure your terminal emulator to use with Git Bash. Use the default 'Use MinTTY'

🚸 Git 2.21.0 Setup	—		$\times$		
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 non-rectangular selections and a Unicode font. Windows cons as interactive Python) must be launched via `winpty` to work	sole progr	ams (such	ı		
○ 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://gitforwindows.org/ < Back Ne:	xt >	Can	cel		

## 12. Configure extra options. Check: Enable file system caching and Enable Git Credential Manager

🚸 Git 2.21.0 Setup	—		$\times$	
Configuring extra options Which features would you like to enable?			<b>&gt;</b>	
✓ Enable file system caching				
File system data will be read in bulk and cached in me operations ("core.fscache" is set to "true"). This prov performance boost.		:		
🗹 Enable Git Credential Manager				
The <u>Git Credential Manager for Windows</u> 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 later).				
Enable symbolic links				
Enable <u>symbolic links</u> (requires the SeCreateSymbolic Please note that existing repositories are unaffected				
nttps://gitforwindows.org/				
< Back	Install	Car	ncel	

- 13. Choose Install to start the installation.
- 14. Check or uncheck the boxes to launch Git Bash or to view the release notes. Click Finish to exit the installer.

Once installed, you can access Git bash or the Git GUI via two different ways:

- 1. Open the Start menu, you'll find a new Git entry with the Git Bash icon
- 2. Best Way: Navigate to a folder on your machine where you want to use Git
  - a. Right click inside the folder. You'll notice two new options in your context menu: Git Bash and Git Gui . Choose Git Bash.

Either way, you will see the following when you open Git Bash.



Note that you can't use Git in directories that are from Box Sync or Box Drive.

After the class, if you want to change from Nano to using Notepad ++ as your text editor, see these instructions. <u>https://www.toolsqa.com/git/set-up-notepad-for-git-bash/</u>