

Setting up a MSYS2 terminal with some useful compilers, libraries and tools on Microsoft Windows systems step by step

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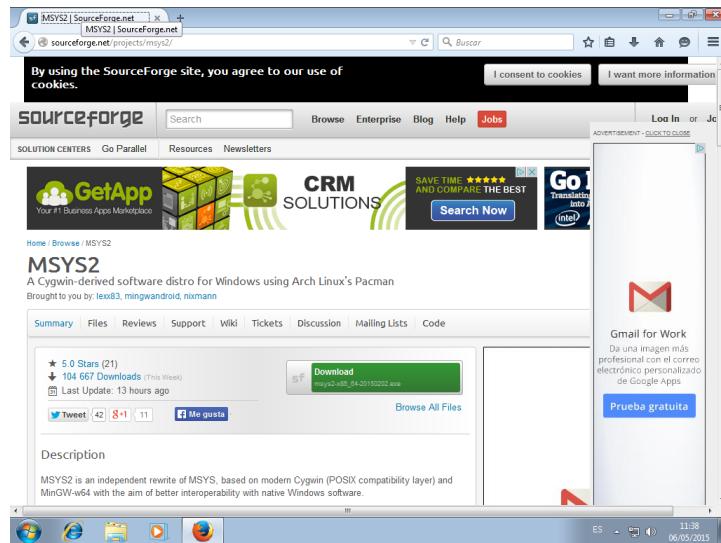
SORRY! I have only a spanish license of Windows 7¹. Therefore, some figures have spanish texts.

¹Windows 7 is a registered trademark of Microsoft Corporation

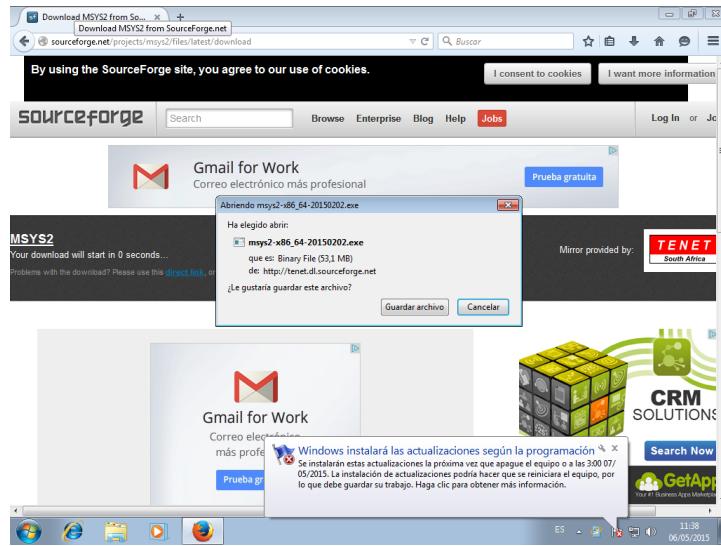
1 Installing MSYS2

MSYS2 is a minimal Unix terminal emulator with a software distribution running over Microsoft Windows systems. In this section we install and we do a direct access on the desktop.

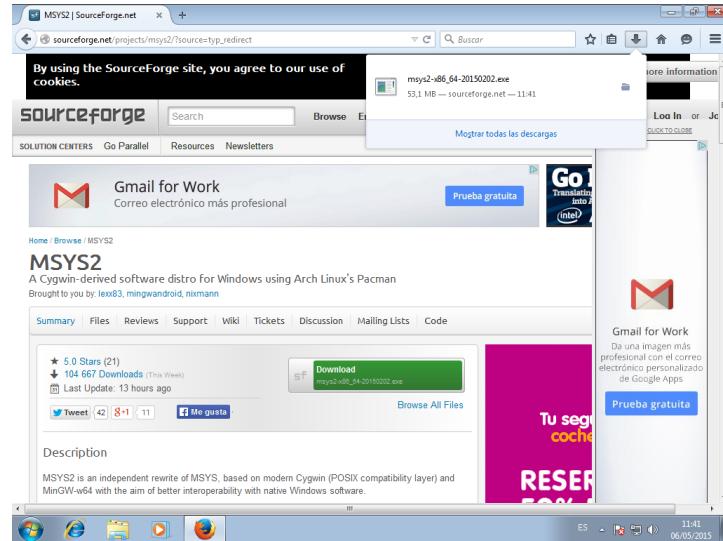
1. Download MSYS2 installer (file `msys2-x86_64-20150202.exe`) on <http://sourceforge.net/projects/msys2>



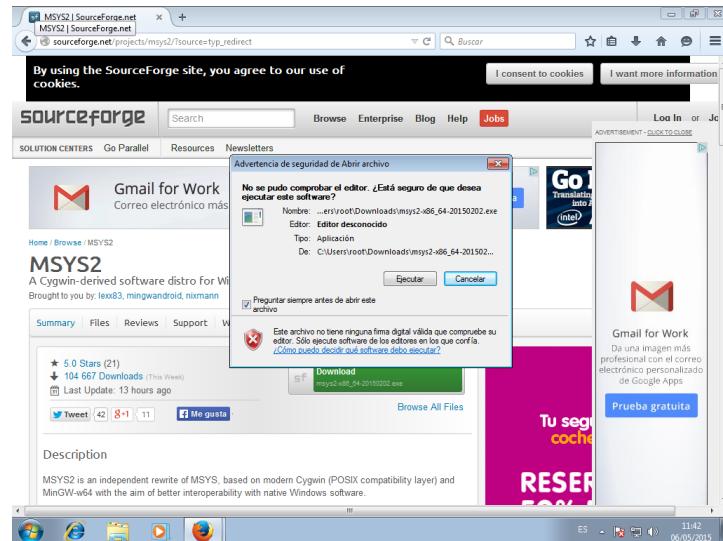
2. Click on **Save file** button



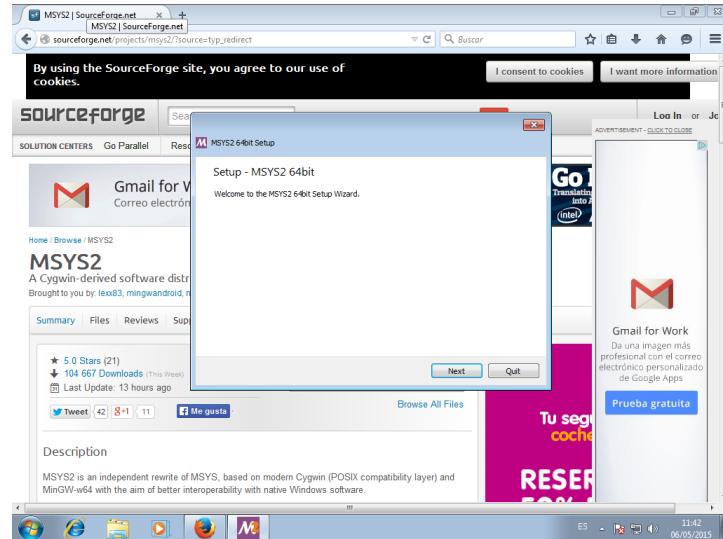
3. Click on the downloaded **msys2-x86_64-20150202.exe** installer



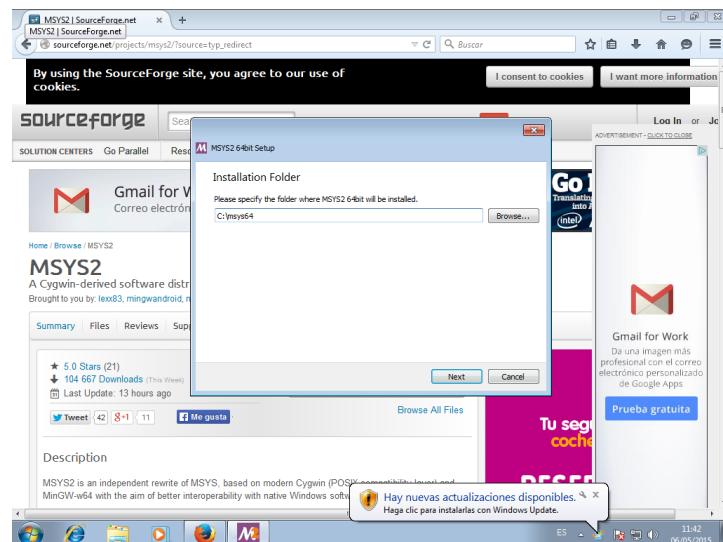
4. Click on the **Execute** button



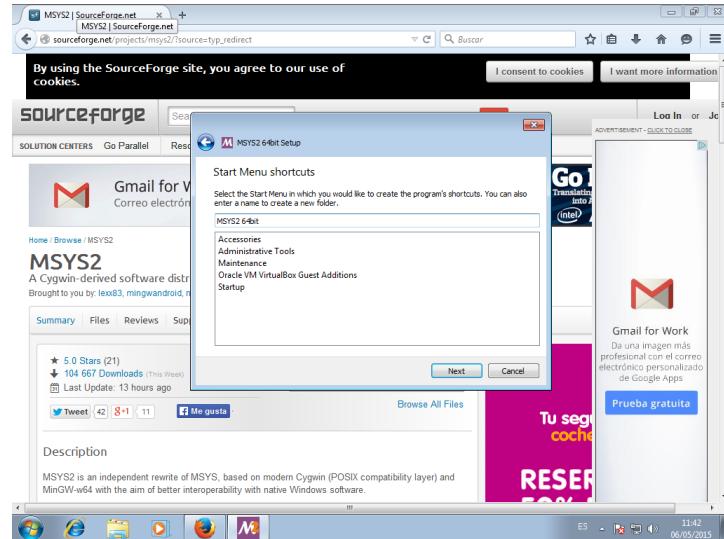
5. Click on the **Next** button



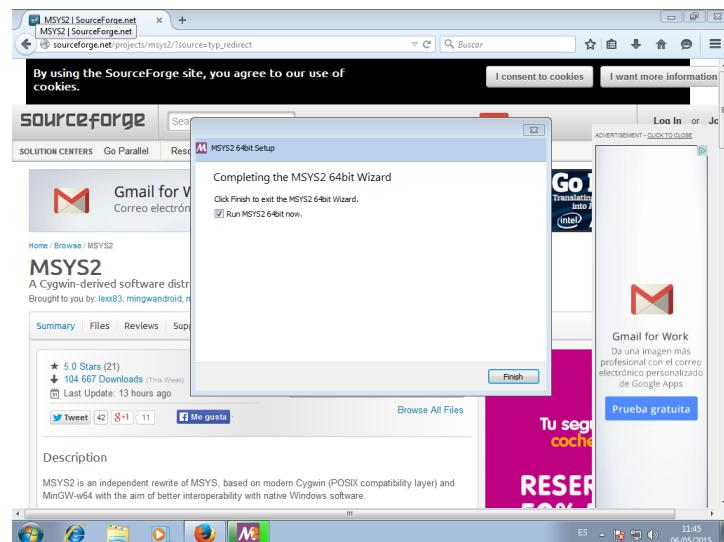
6. Click on the **Next** button



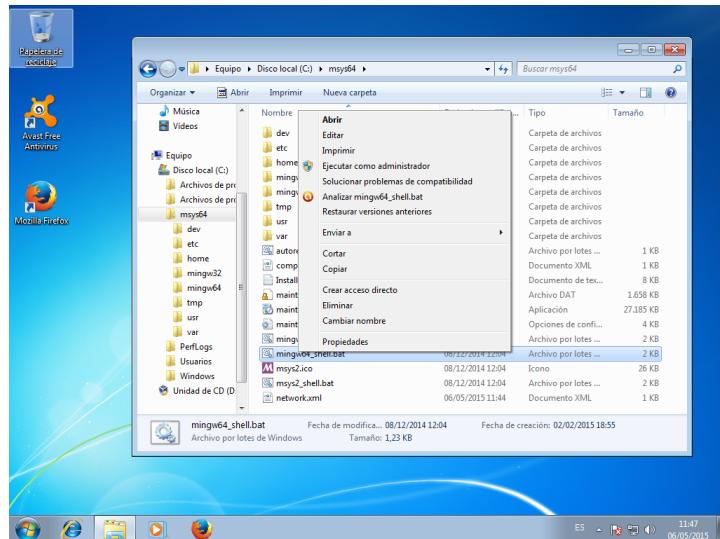
7. Click on the **Next** button



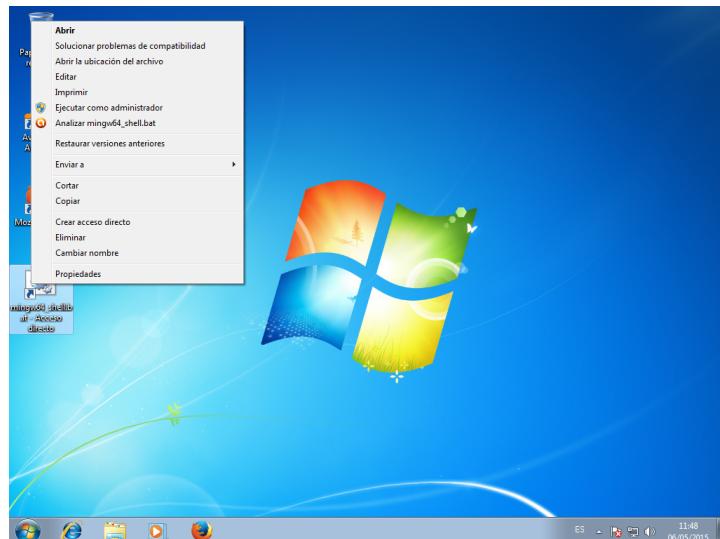
8. Click on the **Finish** button



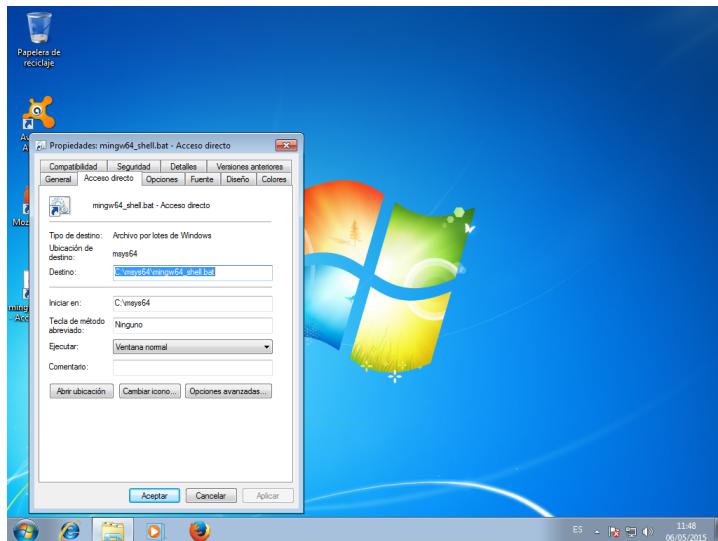
9. Create a direct access of the **C:\msys64\mingw64_shell.bat** file sending it to the desktop



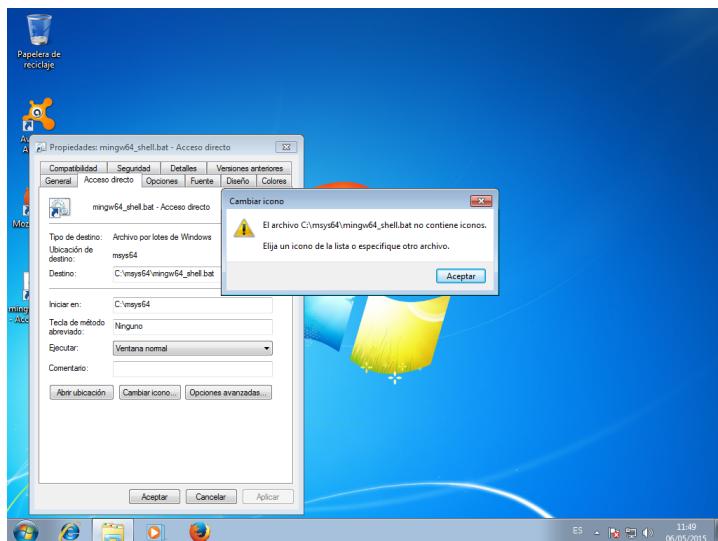
10. Select the new direct access and clicking on the right button and click on the **Properties** menu option



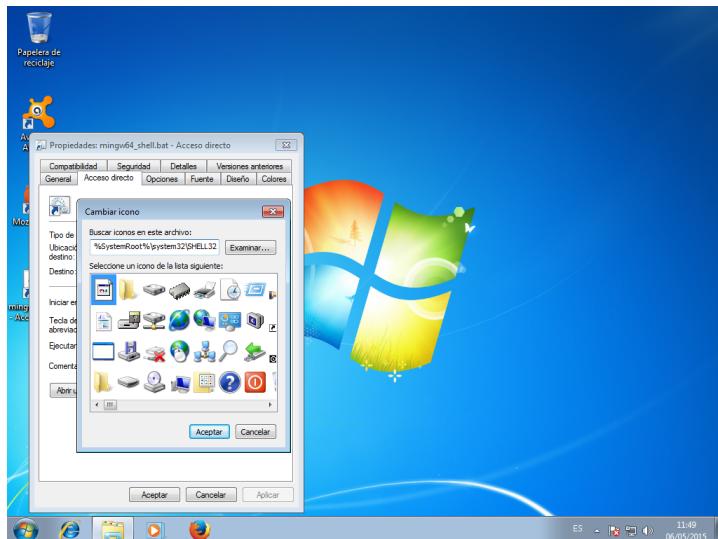
11. Click on the **Change icon** button



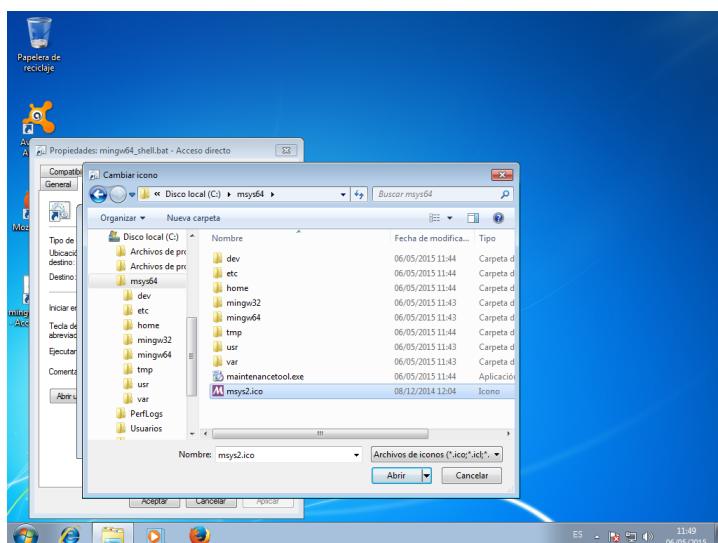
12. Click on the **Accept** button



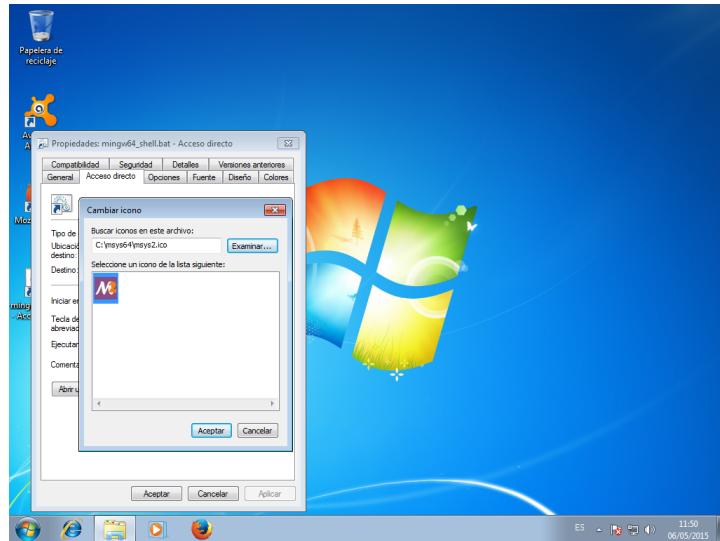
13. Click on the **Check** button



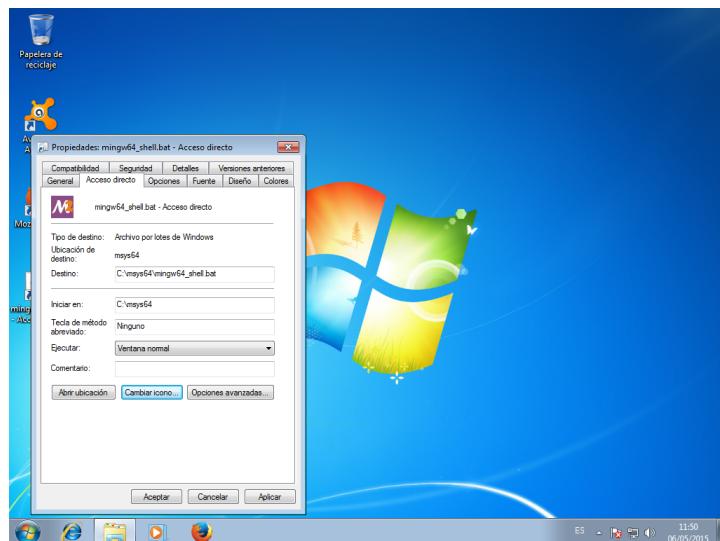
14. Select the C:\msys64\msys2.ico file and click on the **Accept** button



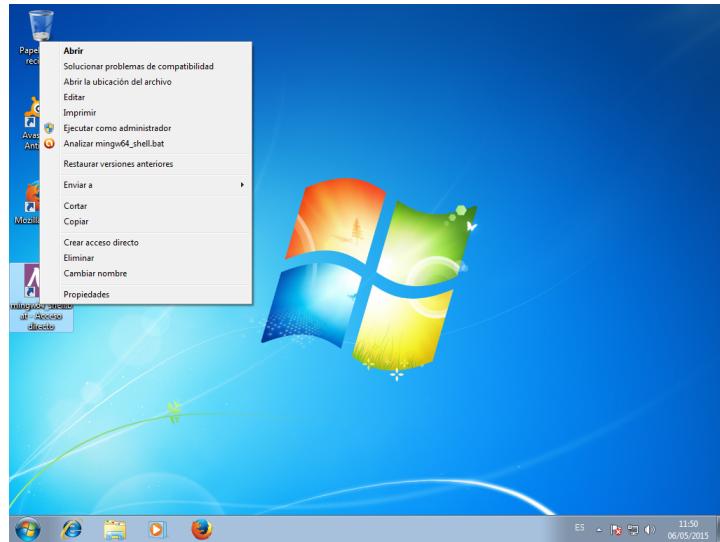
15. Select the icon and click on the **Accept** button



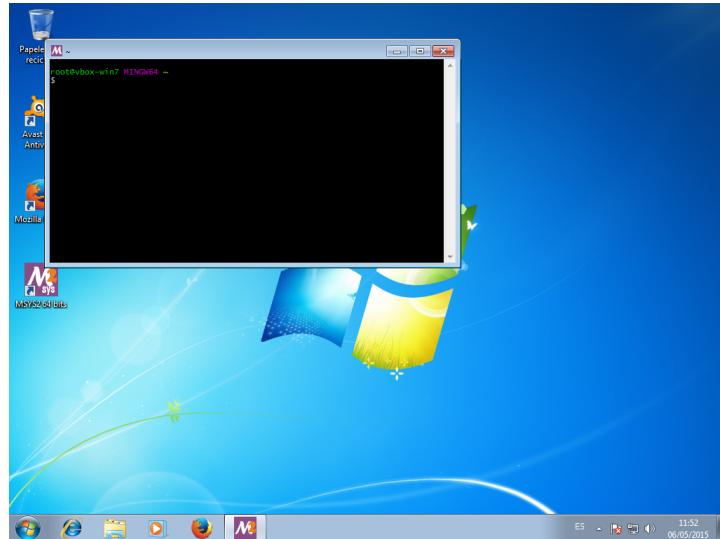
16. Click on the **Accept** button



17. Select the direct access clicking on the right button and click on the **Renomear** menu option. Then change the label (i.e. MSYS2 64 bits)



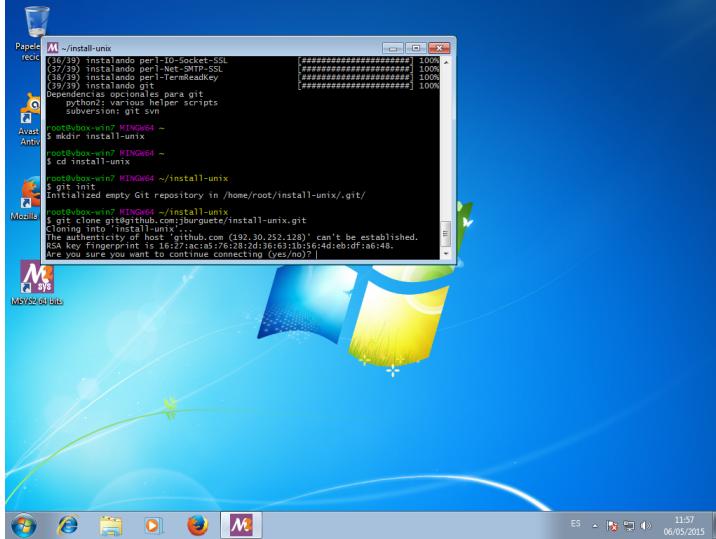
18. Click on the direct access button and you have a MSYS2 (minimal Unix) terminal



19. Install the required git and make tools by typing in the terminal:

```
$ pacman -S make git
```

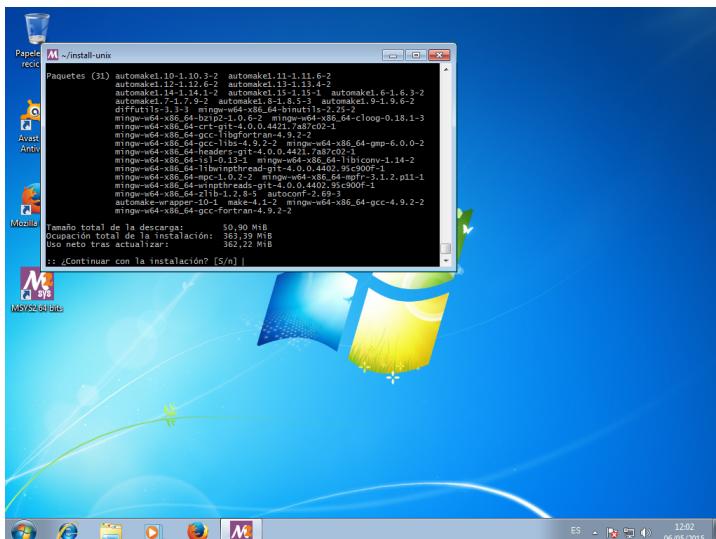
and pressing Y in all questions.



20. Install the tools by typing in the terminal:

```
$ git clone https://github.com/jburguete/install-unix.git  
$ cd install-unix  
$ make
```

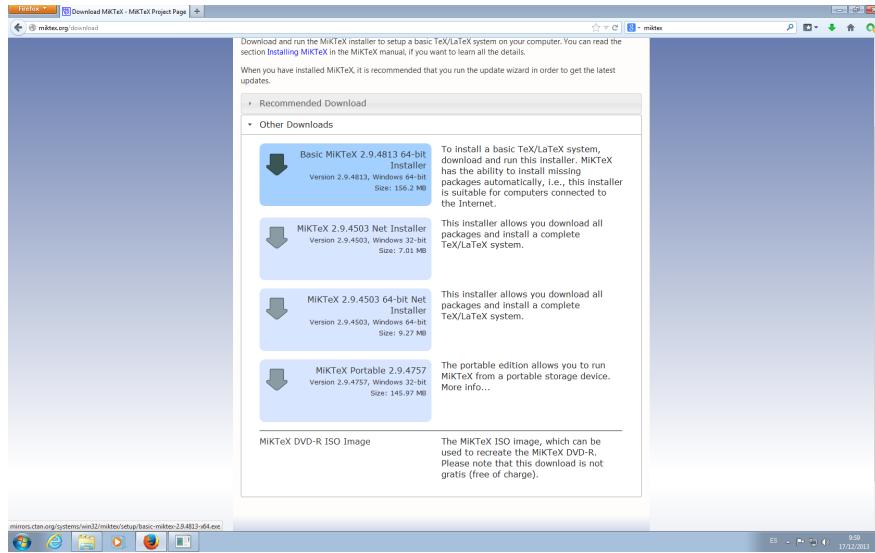
and pressing yes or Y in all questions.



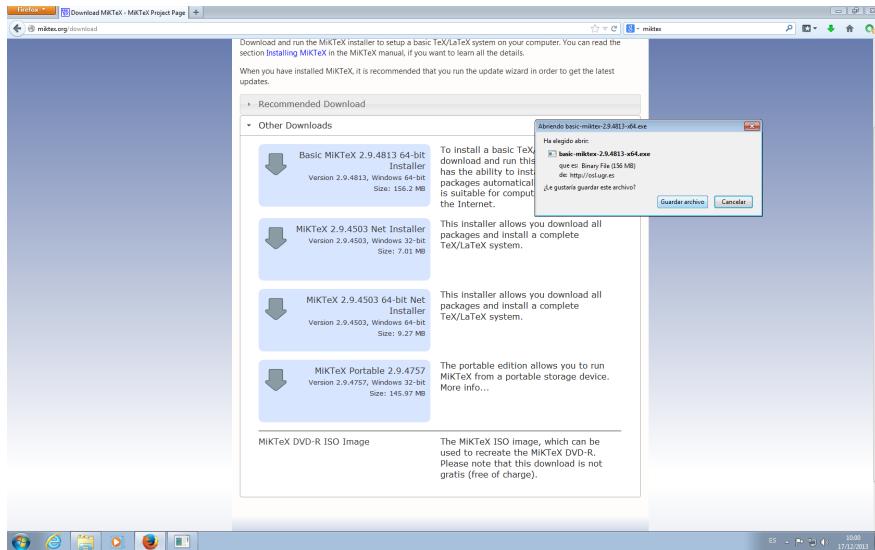
2 Installing MiKTeX LaTeX (optional)

MiKTeX is a distribution of the LaTeX text processor for Windows. We install here the basic 64 bits distribution.

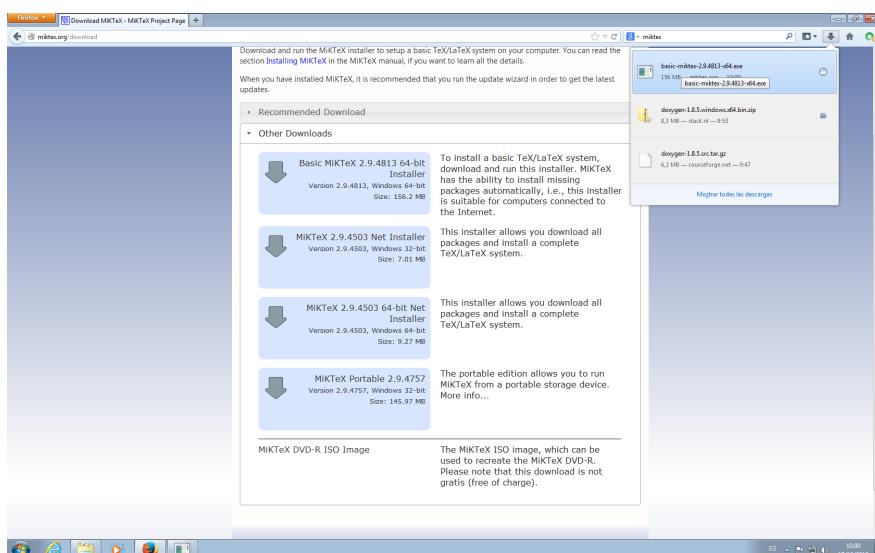
1. Download the distribution from <http://miktex.org/download> clicking on the **Other Downloads** panel and the **Basic MiKTeX 2.9.4813 64-bit Installer** (the number is the version at the date to make this tutorial)



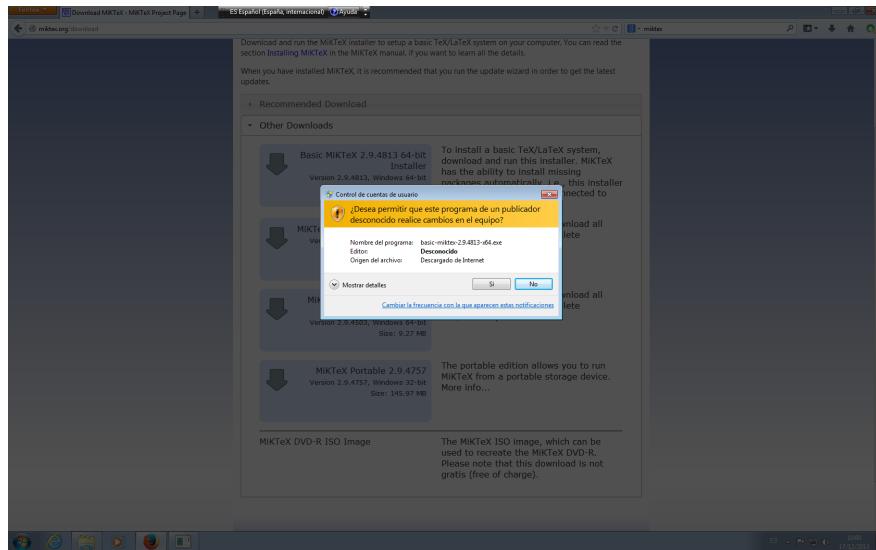
2. Click on the **Save file** button



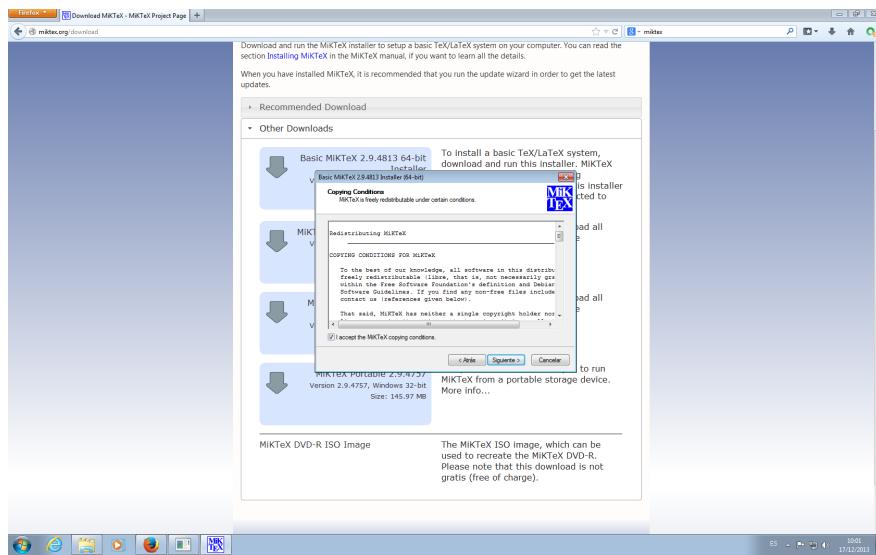
3. Click on the downloaded installer (**basic-miktex-2.9.4813-x64.exe** is the last version at the date to make this tutorial)



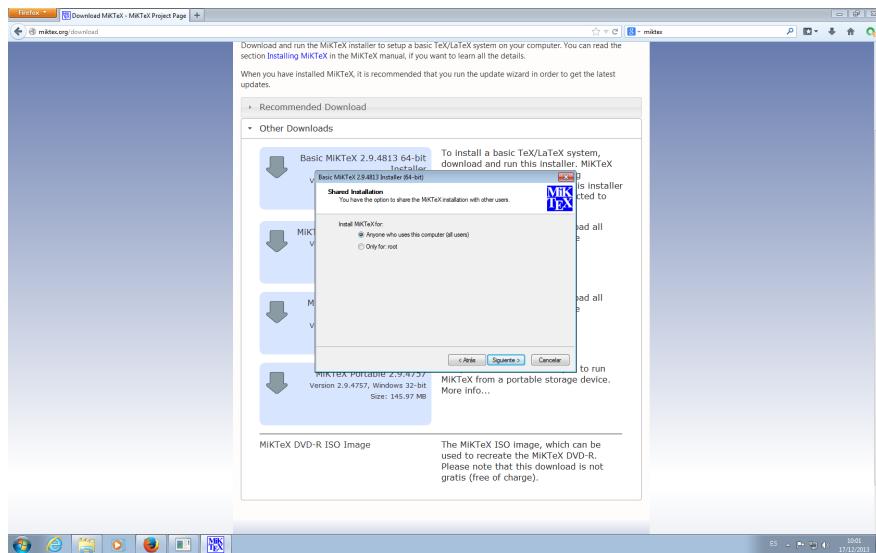
4. Click on the Yes button



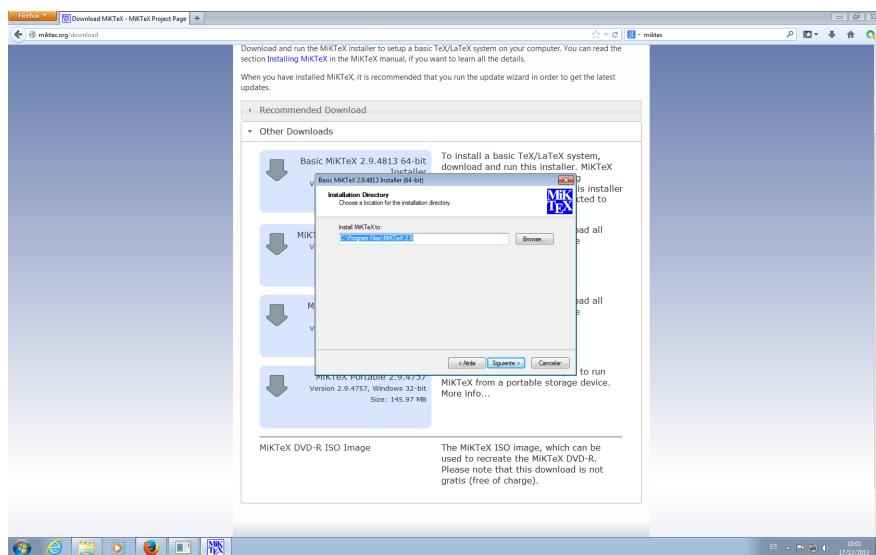
5. Accept the license and click on the Next button



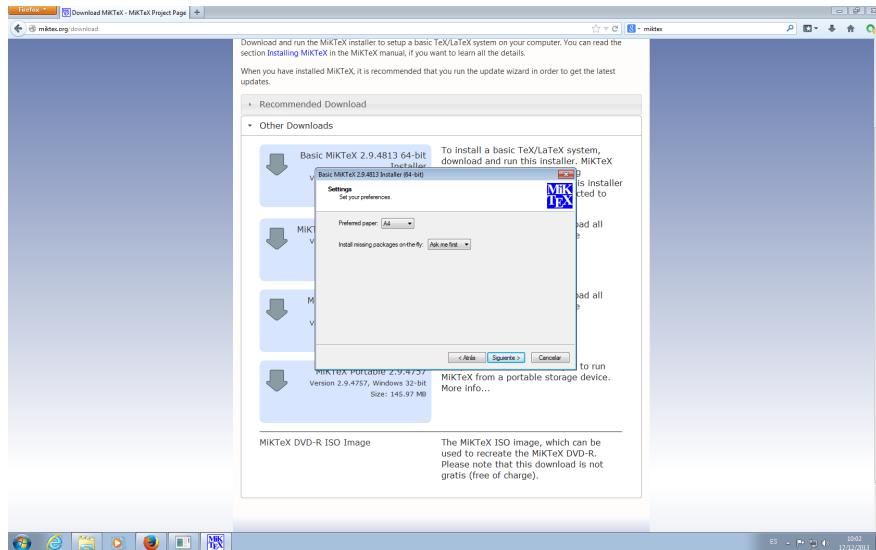
6. Select the **Anyone who uses the computer (all users)** option and click on the **Next** button



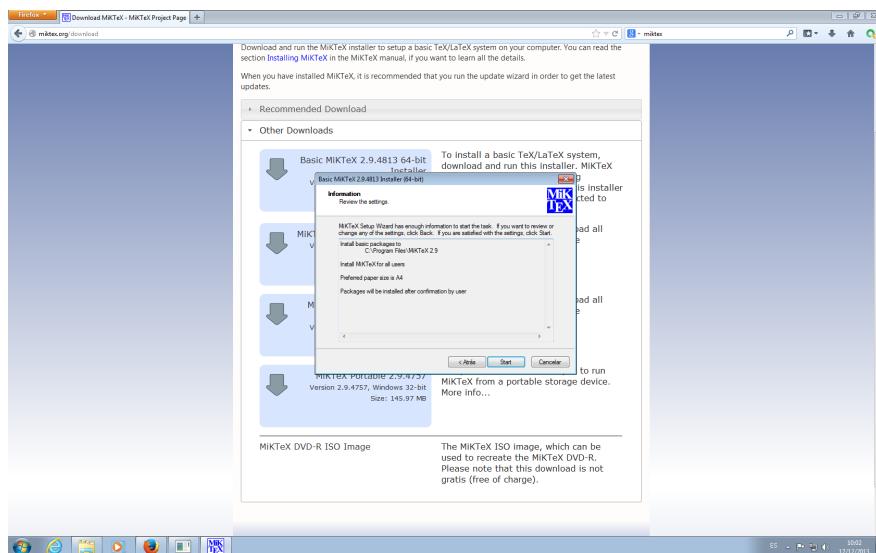
7. Select the installation directory and click on the **Next** button



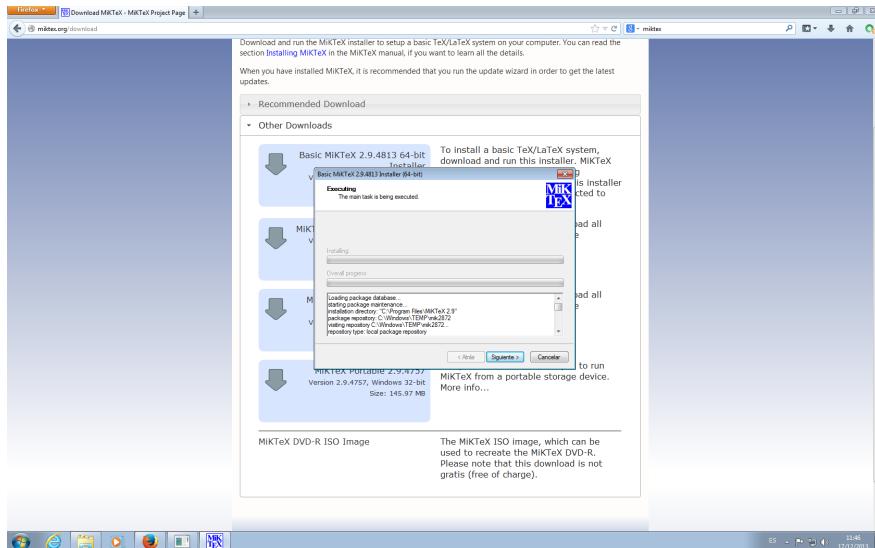
8. Select the preferred options and click on the **Next** button



9. Click on the **Start** button



10. Click on the **Next** button



11. Click on the **Close** button

