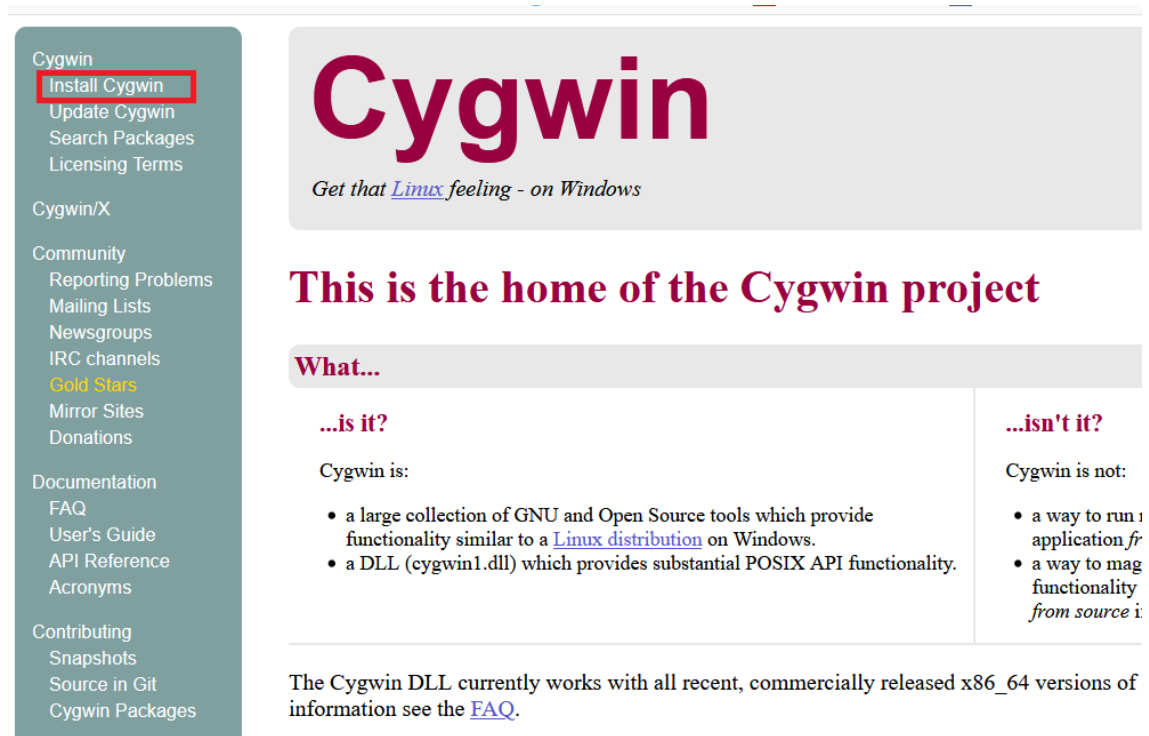


Installing Cygwin and gcc

By: Bilal Aziz

Installing Cygwin

1. Go to: www.cygwin.com and Click on Install Cygwin



Cygwin

- Install Cygwin**
- Update Cygwin
- Search Packages
- Licensing Terms

Cygwin/X

Community

- Reporting Problems
- Mailing Lists
- Newsgroups
- IRC channels
- Gold Stars
- Mirror Sites
- Donations

Documentation

- FAQ
- User's Guide
- API Reference
- Acronyms

Contributing

- Snapshots
- Source in Git
- Cygwin Packages

Cygwin

Get that [Linux](#) feeling - on Windows

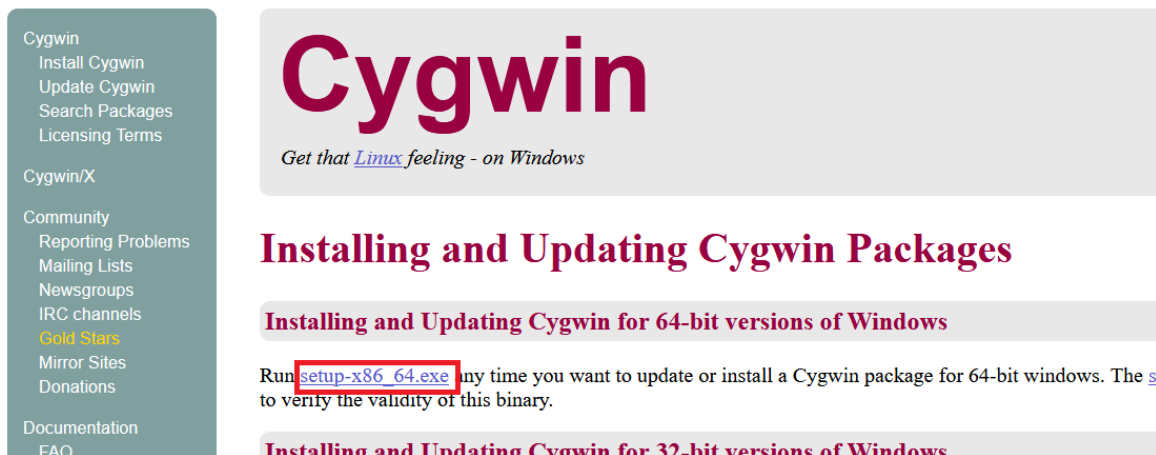
This is the home of the Cygwin project

What...

...is it?	...isn't it?
<p>Cygwin is:</p> <ul style="list-style-type: none">• a large collection of GNU and Open Source tools which provide functionality similar to a Linux distribution on Windows.• a DLL (cygwin1.dll) which provides substantial POSIX API functionality.	<p>Cygwin is not:</p> <ul style="list-style-type: none">• a way to run 1 application fr• a way to mag functionality from source i

The Cygwin DLL currently works with all recent, commercially released x86_64 versions of information see the [FAQ](#).

2. Find correct installer for your computer and Click:



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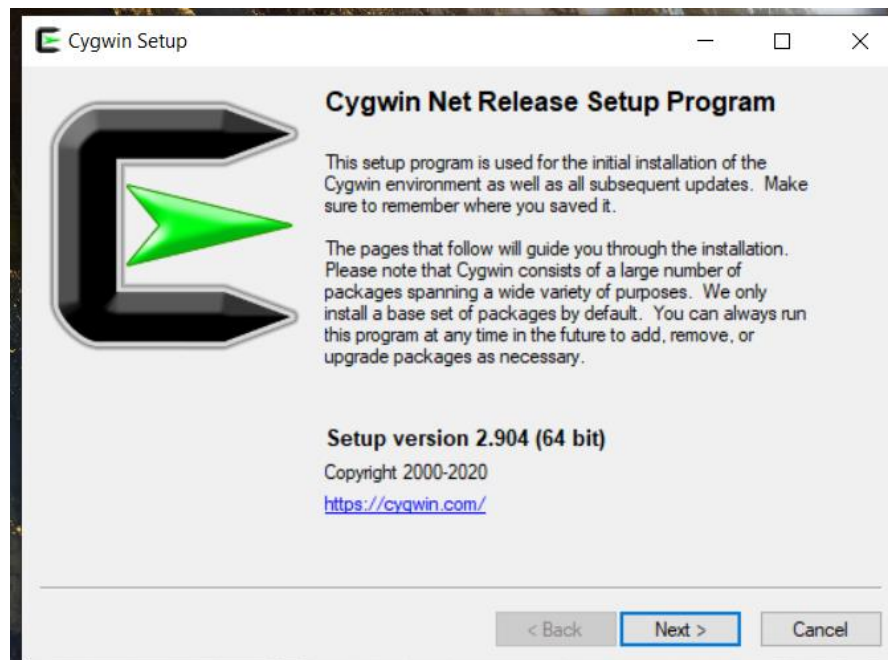
Installing and Updating Cygwin Packages

Installing and Updating Cygwin for 64-bit versions of Windows

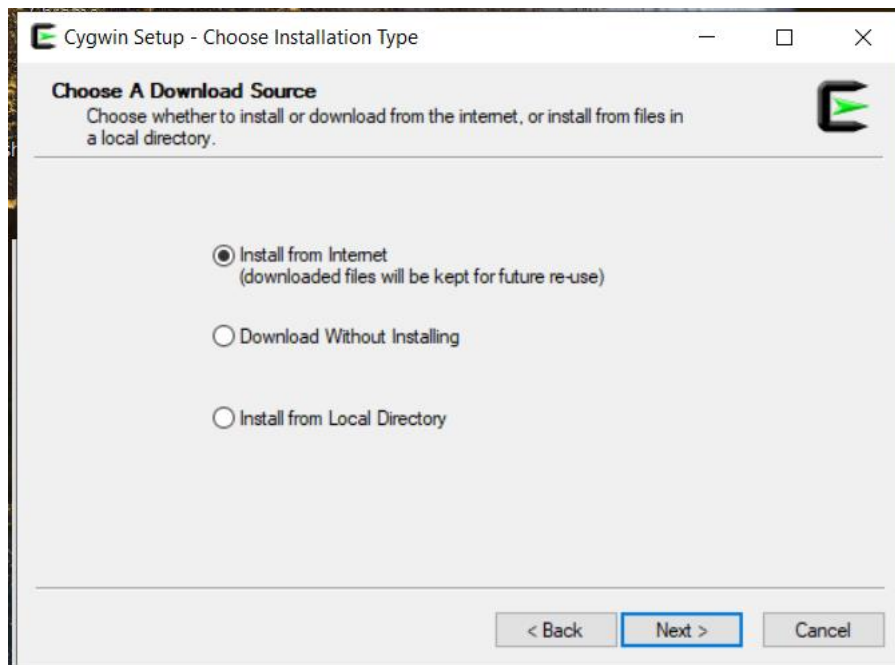
Run [setup-x86_64.exe](#) any time you want to update or install a Cygwin package for 64-bit windows. The [si](#) to verify the validity of this binary.

Installing and Updating Cygwin for 32-bit versions of Windows

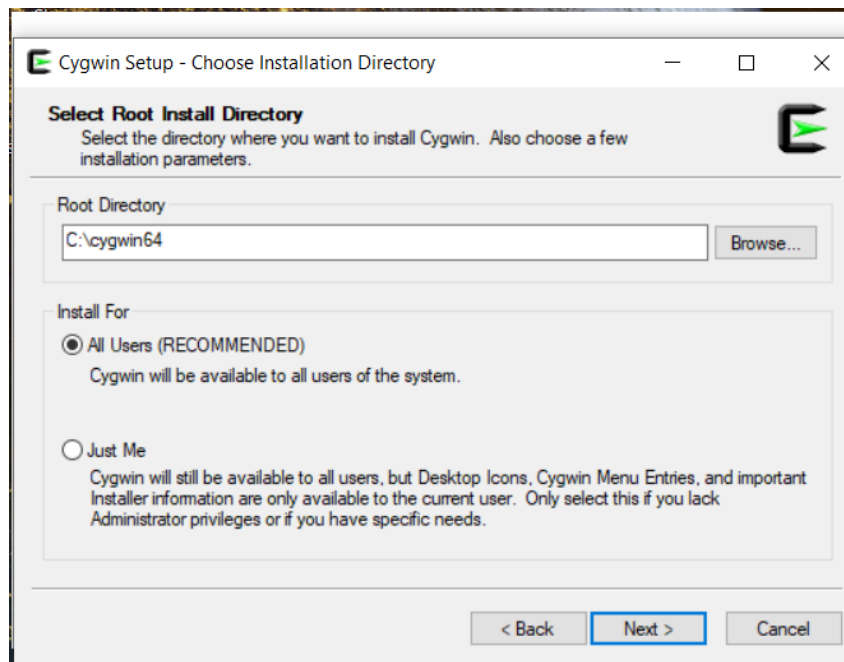
3. Save the file in your computer and run it. Click Next:



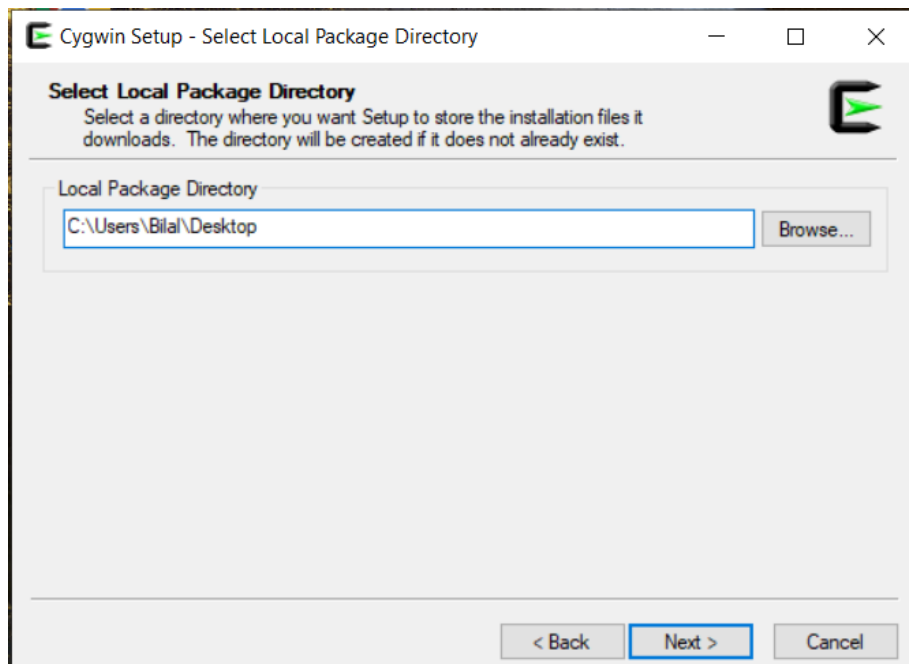
4. Choose Install from Internet and click Next



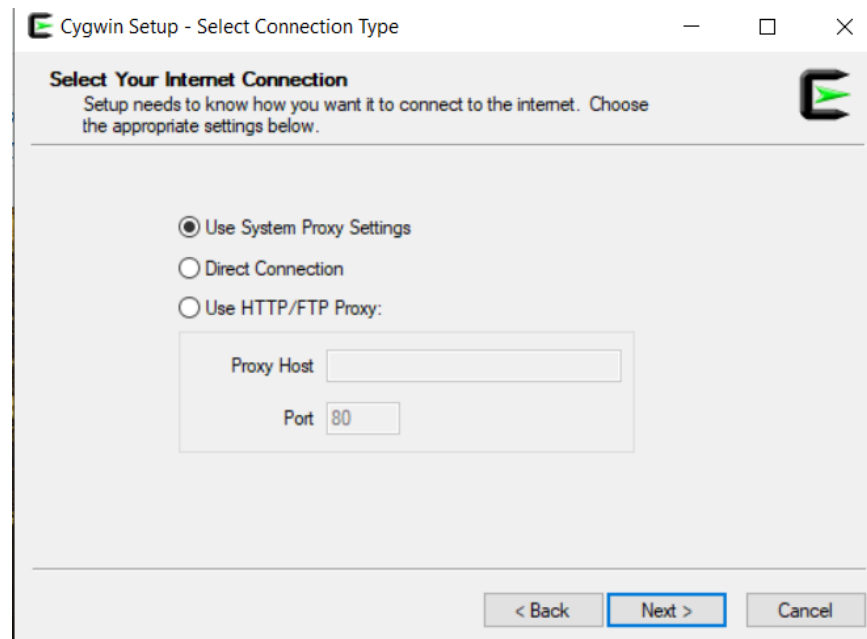
5. In next screen leave everything and click next



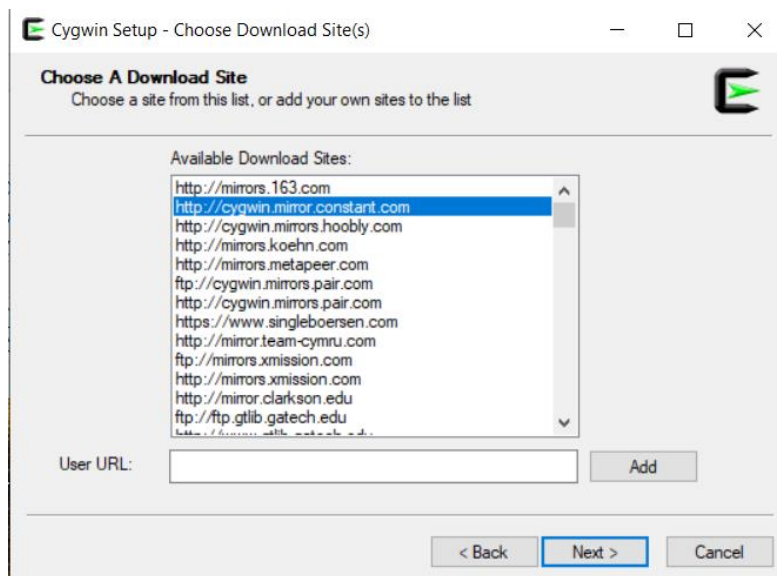
6. In next screen leave everything the way it is. It should point the location the you downloaded the installer (I put in desktop)



7. In next screen leave everything as selected and click Next



8. In next screen select one of the sites for download and click Next:



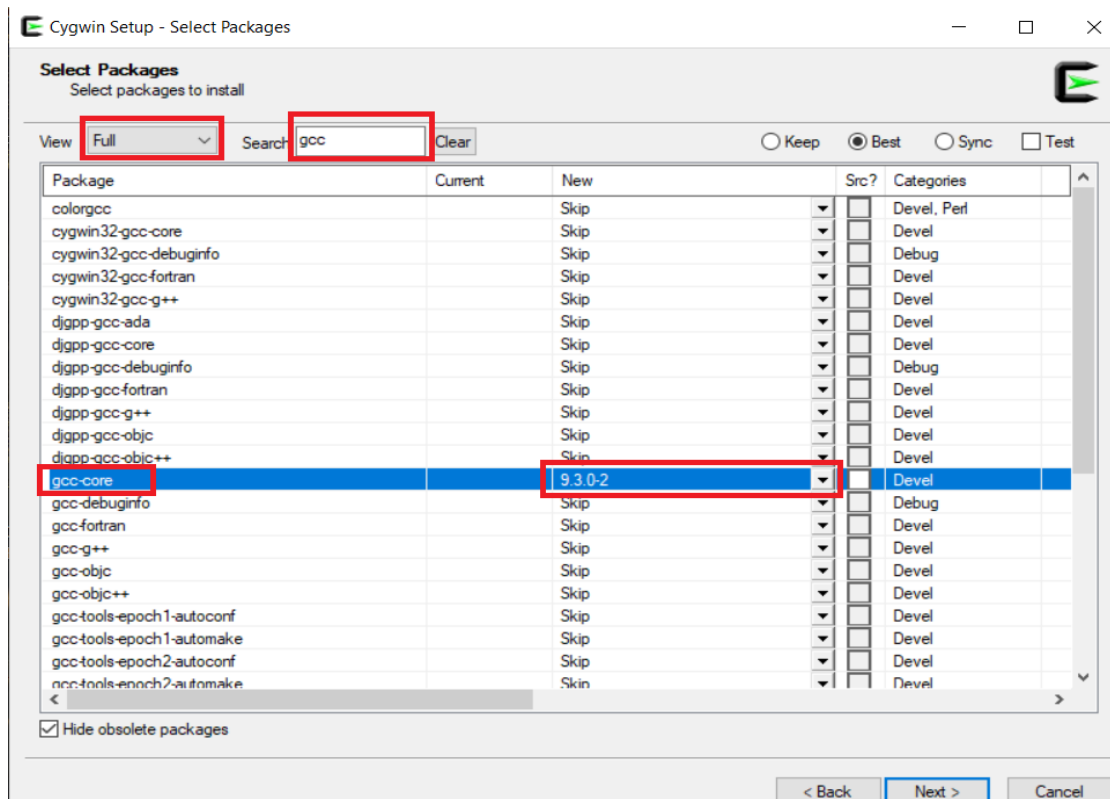
9. In next screen leave everything as it is and click Next:

You can use the desktop shortcut or find Cygwin from start menu to launch:

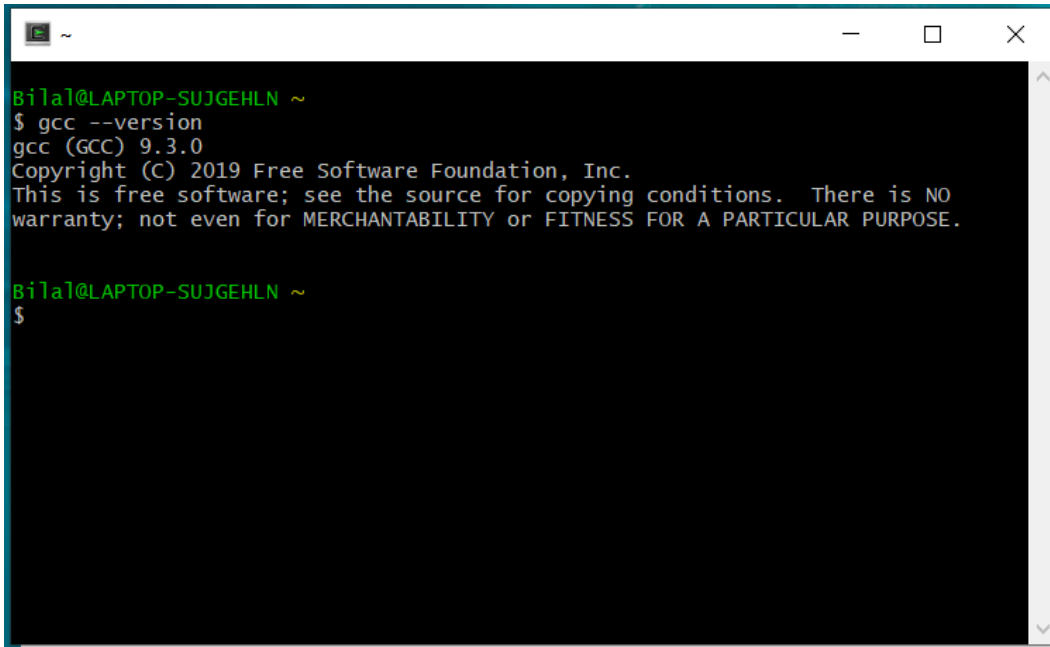
```
~  
Copying skeleton files.  
These files are for the users to personalise their cygwin experience.  
  
They will never be overwritten nor automatically updated.  
  
'./bashrc' -> '/home/Bilal//.bashrc'  
'./bash_profile' -> '/home/Bilal//.bash_profile'  
'./inputrc' -> '/home/Bilal//.inputrc'  
'./profile' -> '/home/Bilal//.profile'  
  
Bilal@LAPTOP-SUJGEHLN ~  
$
```

Installing gcc for compiling C programs

1. Launch Cygwin installer again and click Next in all screens until it brings the package screen similar to step 9.
2. In the package installer screen change the first drop down to Full and type gcc in search screen. Then select gcc-core and in drop down in front of gcc-core select latest version



3. Click Next and Next and let its complete installation (you don't need to check Desktop shortcut)
4. Once installation is completed launch Cygwin again and type this command:
 - a. `gcc --version`
5. If installation was done correctly it should display the current gcc version



```
Bilal@LAPTOP-SUJGEHLN ~  
$ gcc --version  
gcc (GCC) 9.3.0  
Copyright (C) 2019 Free Software Foundation, Inc.  
This is free software; see the source for copying conditions. There is NO  
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
  
Bilal@LAPTOP-SUJGEHLN ~  
$
```