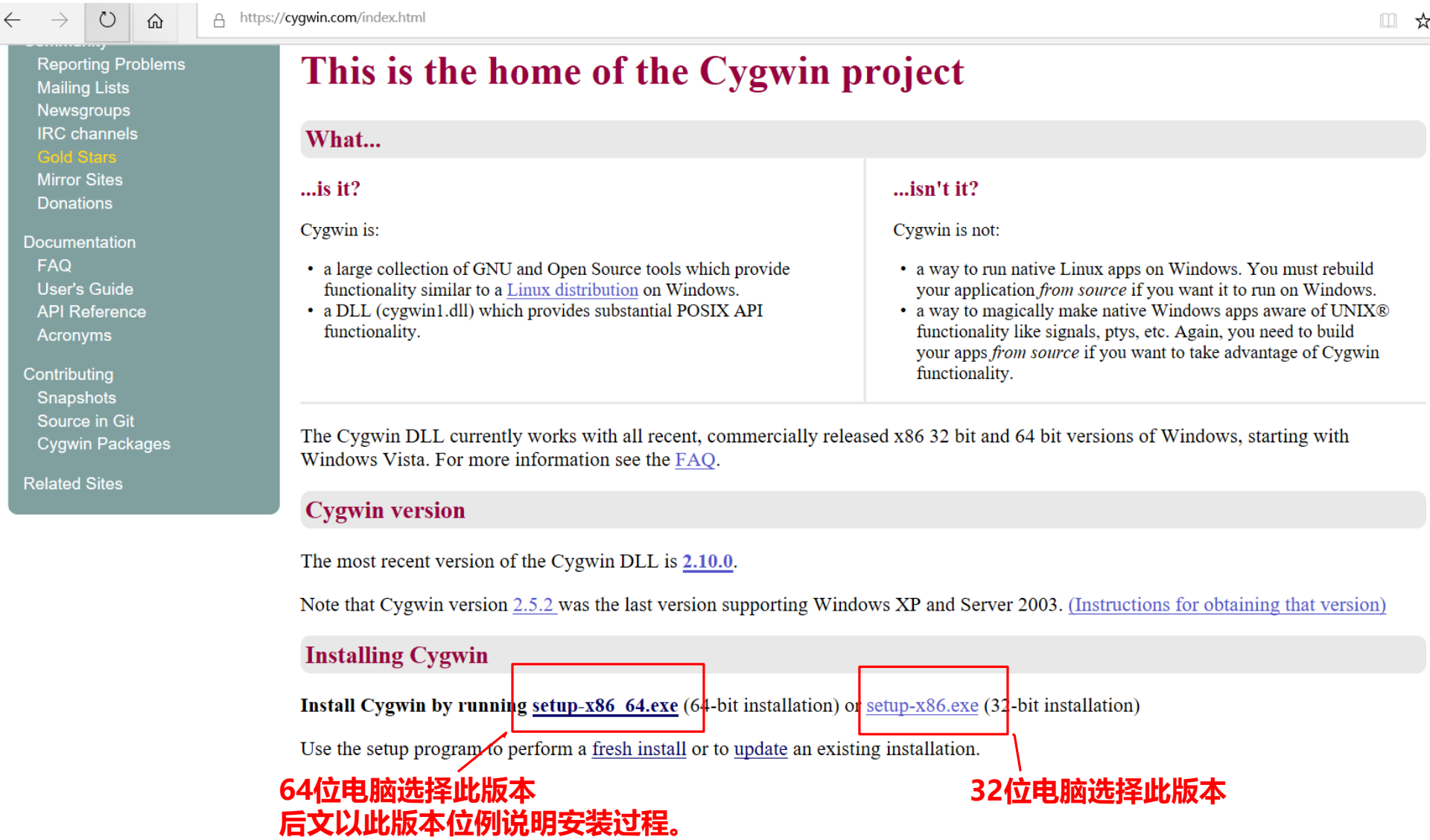
Cygwin安装

上Cygwin官网下载在线安装包

https://cygwin.com/index.html

注意，本安装教程需要您的电脑已联入互联网



Cygwin is:

- 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.

Cygwin is not:

- a way to run native Linux apps on Windows. You must rebuild your application *from source* if you want it to run on Windows.
- a way to magically make native Windows apps aware of UNIX® functionality like signals, ptys, etc. Again, you need to build your apps *from source* if you want to take advantage of Cygwin functionality.

The Cygwin DLL currently works with all recent, commercially released x86 32 bit and 64 bit versions of Windows, starting with Windows Vista. For more information see the FAQ.

Cygwin version

The most recent version of the Cygwin DLL is **2.10.0**.

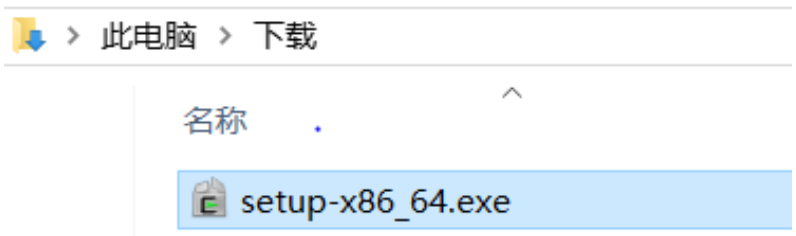
Note that Cygwin version 2.5.2 was the last version supporting Windows XP and Server 2003. (Instructions for obtaining that version)

Installing Cygwin

Install Cygwin by running setup-x86_64.exe (64-bit installation) or setup-x86.exe (32-bit installation)

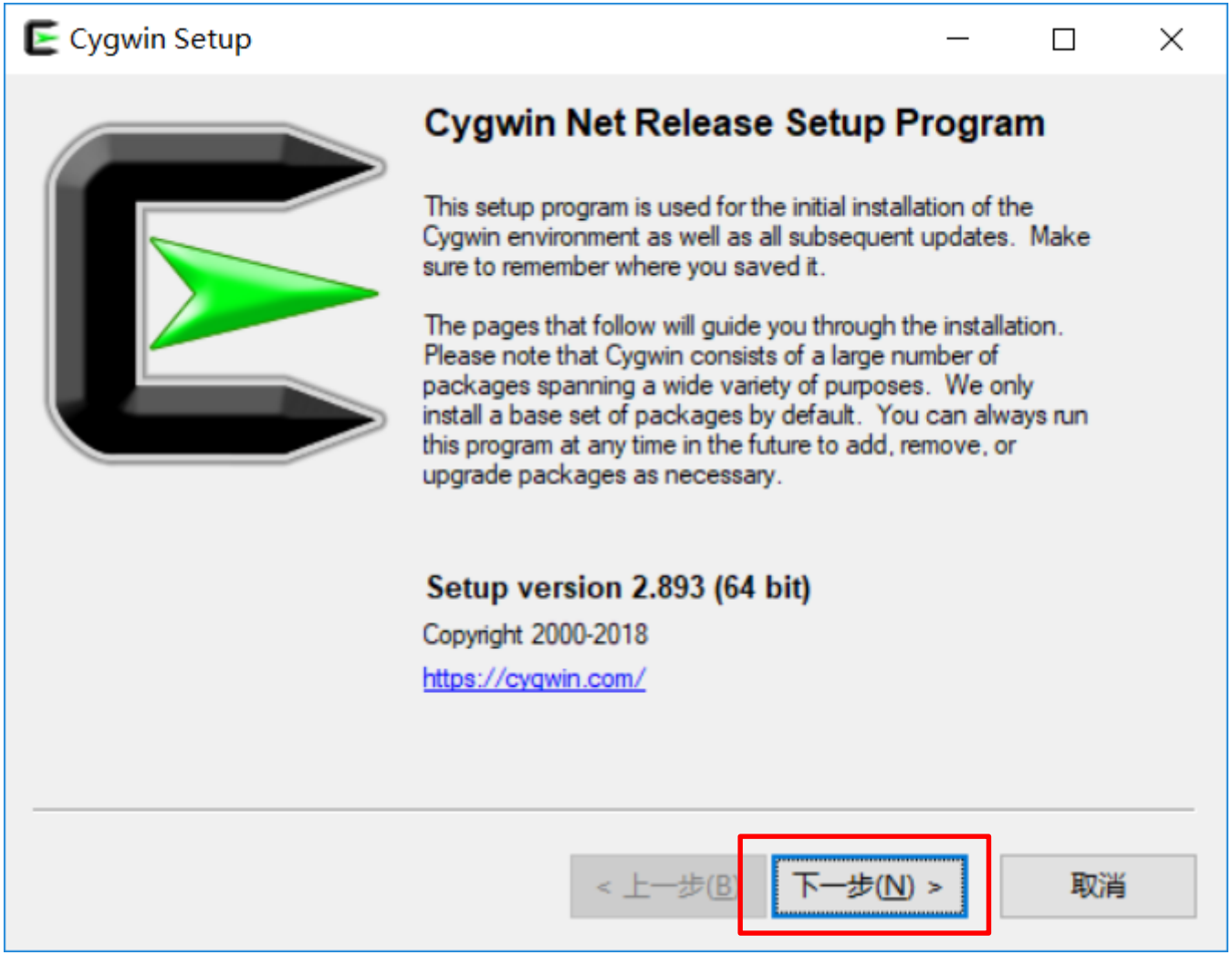
Use the setup program to perform a fresh install or to update an existing installation.

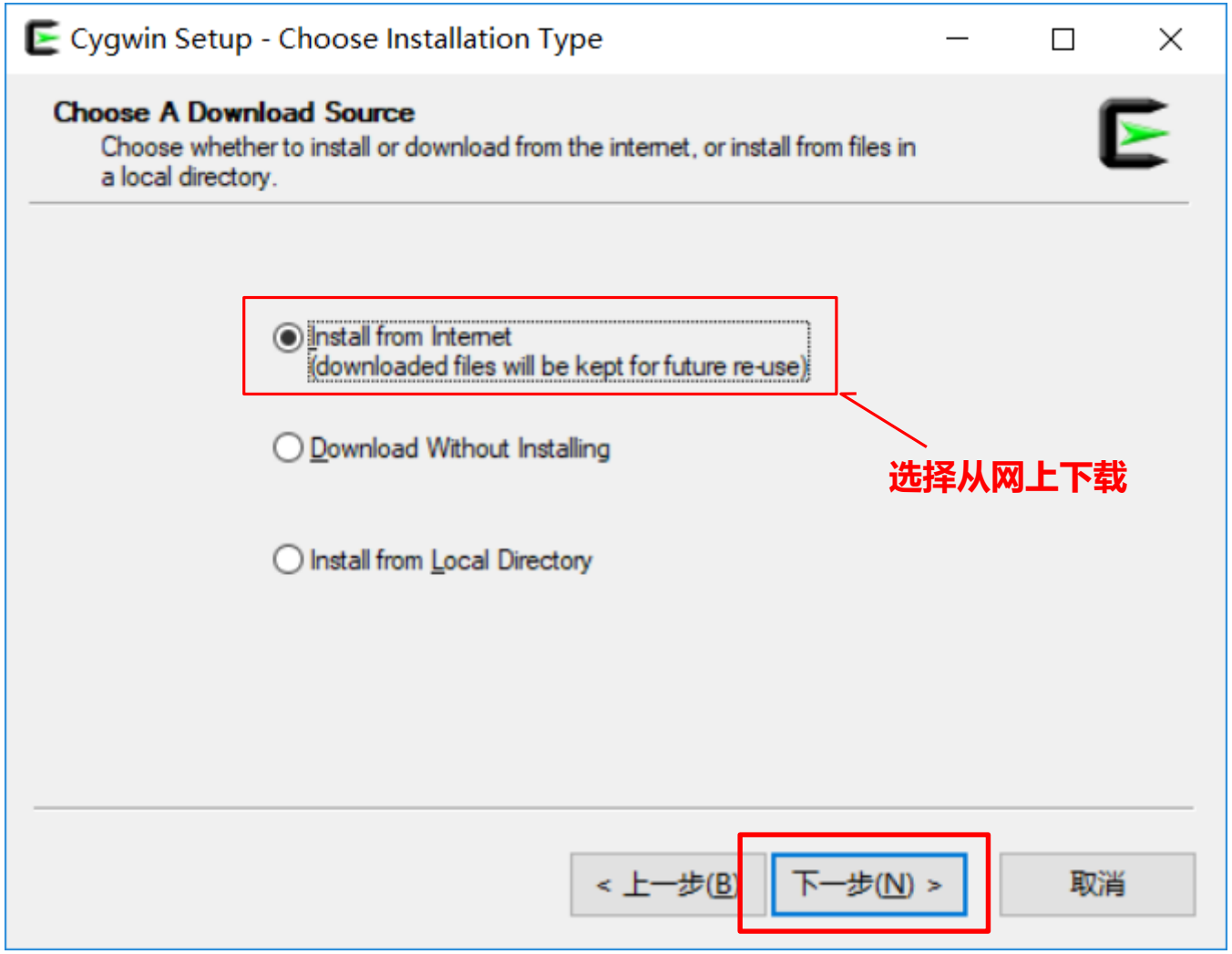
usefu

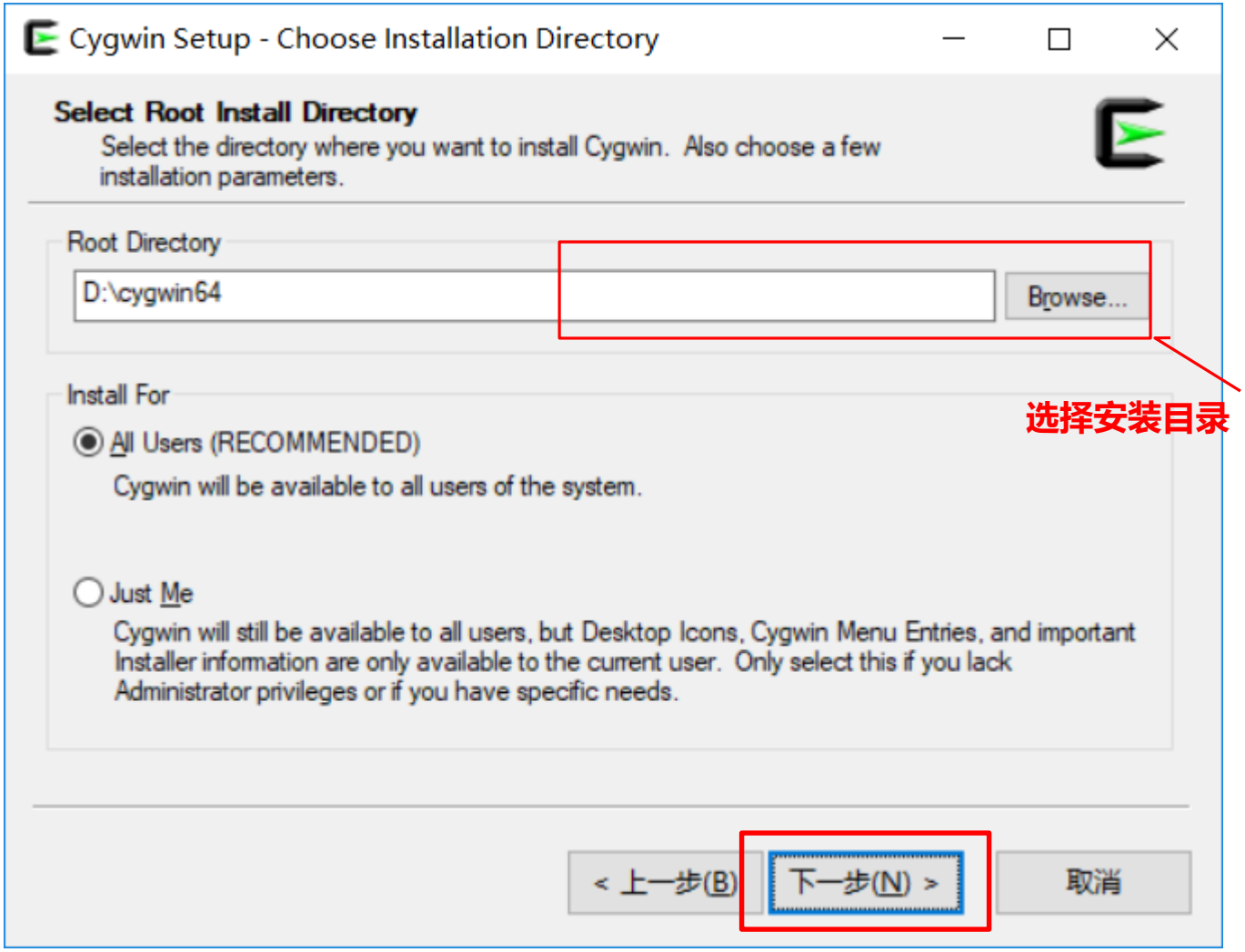


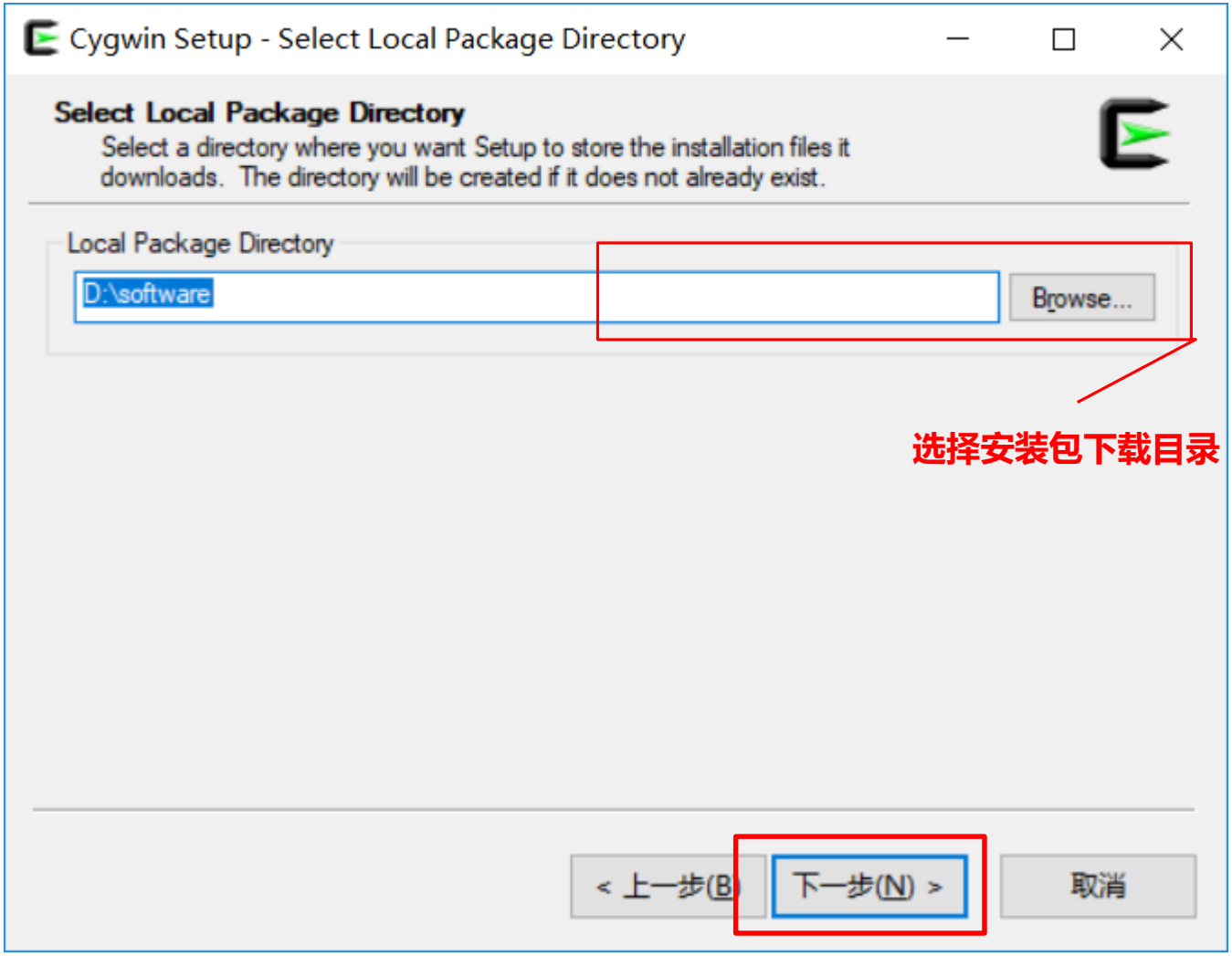
安装在线安装包

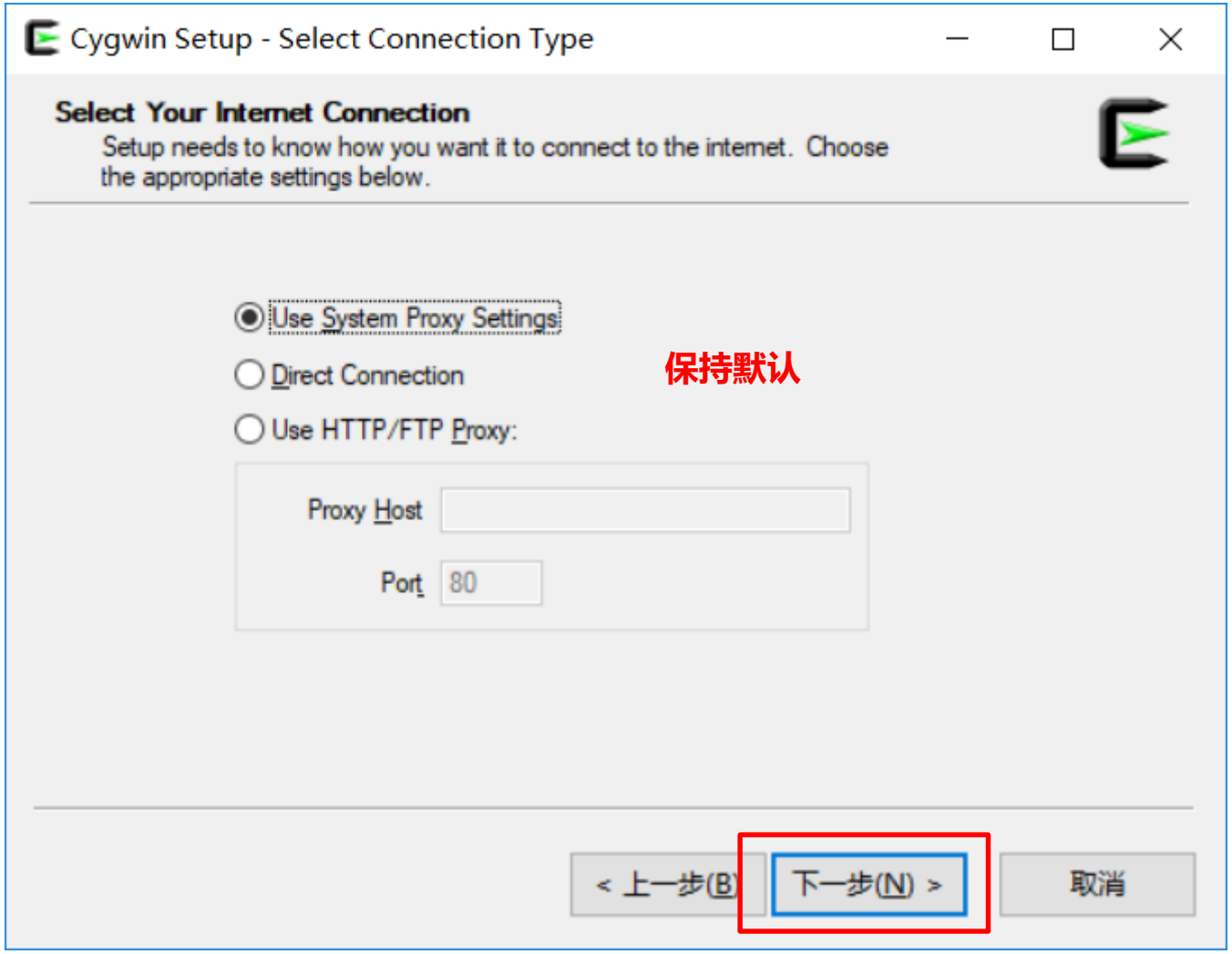
双击setup-x86_64.exe

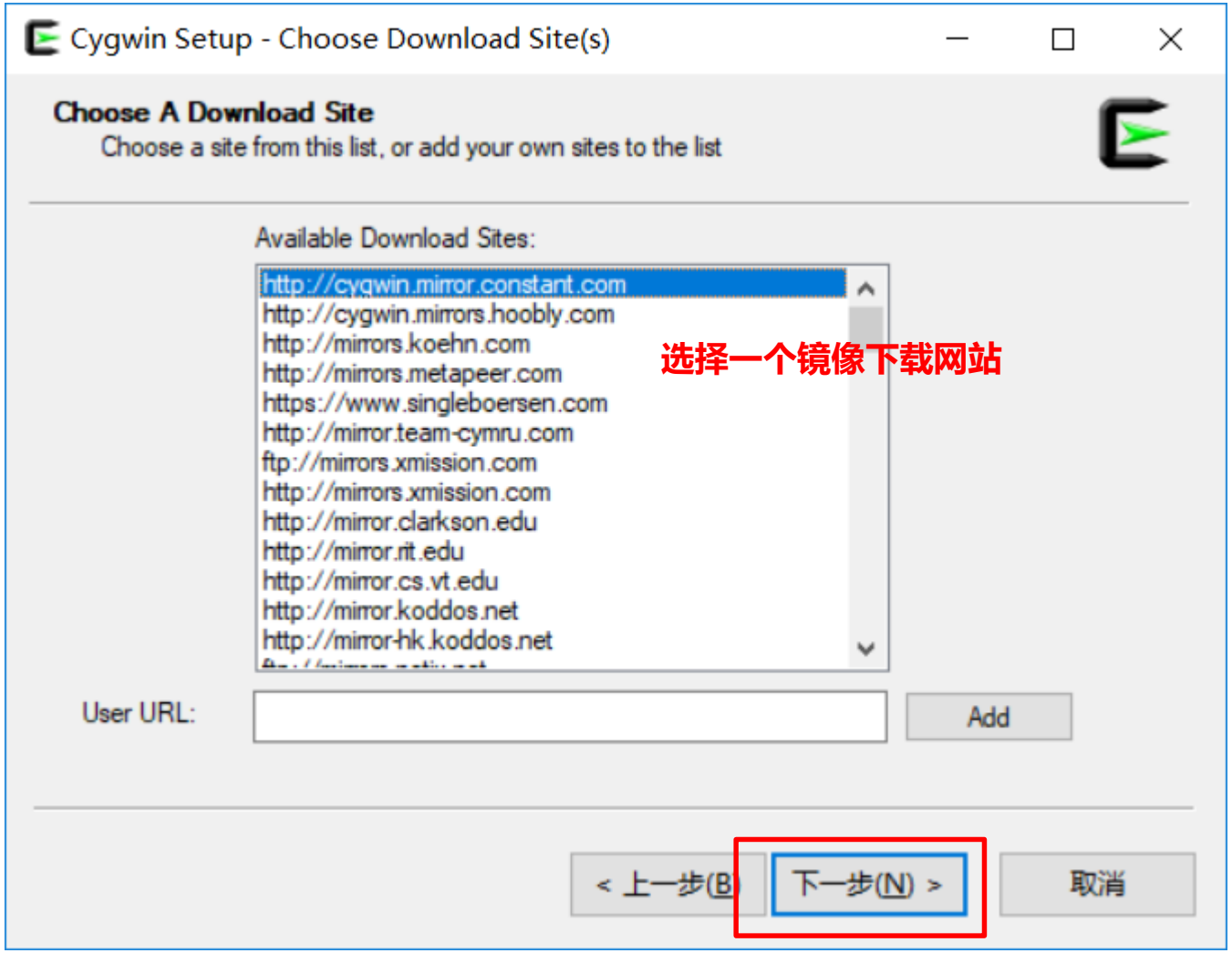


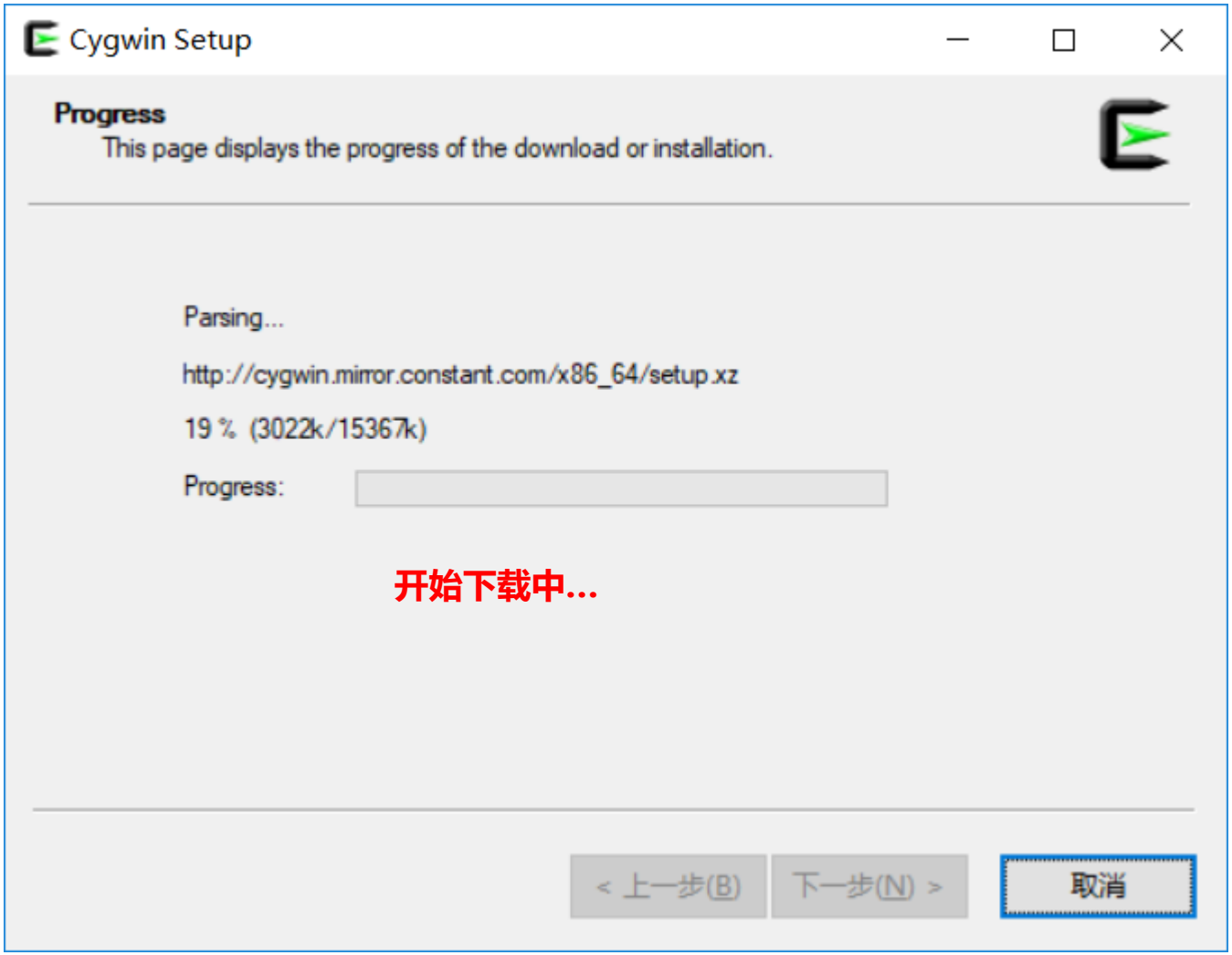

Cygwin Setup - Choose Installation Type
Choose A Download Source
Choose whether to install or download from the internet, or install from files in a local directory.
Install from Internet
(downloaded files will be kept for future re-use)
Download Without Installing
Install from Local Directory
选择从网上下载
< 上一步(B)
下一步(N) >
取消


Cygwin Setup - Choose Installation Directory
Select Root Install Directory
Select the directory where you want to install Cygwin. Also choose a few installation parameters.
Root Directory
D:\cygwin64
Browse...
选择安装目录
Install For
All Users (RECOMMENDED)
Cygwin will be available to all users of the system.
Just Me
Cygwin will still be available to all users, but Desktop Icons, Cygwin Menu Entries, and important Installer information are only available to the current user. Only select this if you lack Administrator privileges or if you have specific needs.
< 上一步(B)
下一步(N) >
取消

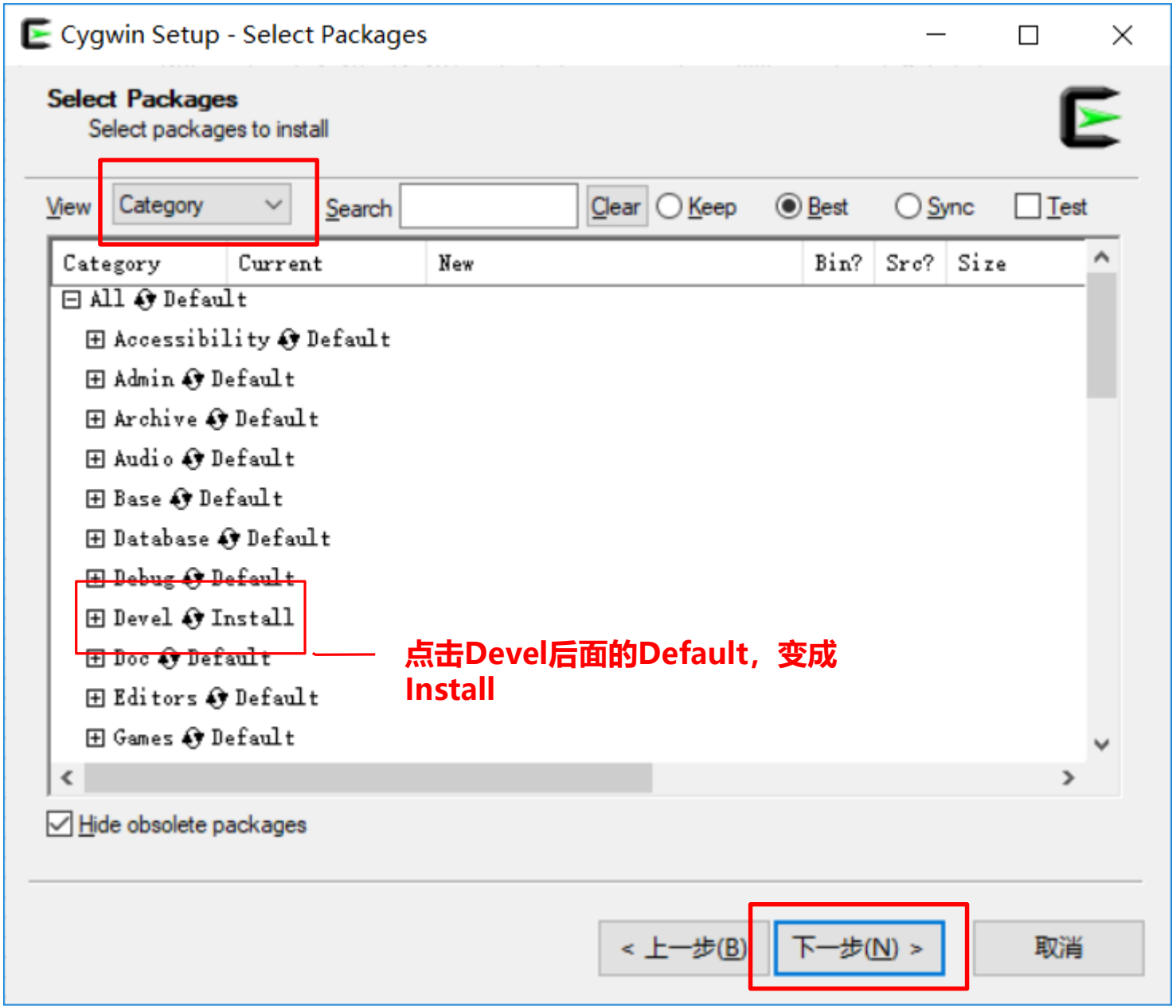

Cygwin Setup - Select Local Package Directory
Select Local Package Directory
Select a directory where you want Setup to store the installation files it downloads. The directory will be created if it does not already exist.
Local Package Directory
D:\software
Browse...
选择安装包下载目录
< 上一步(B)
下一步(N) >
取消


Cygwin Setup - Select Connection Type
Select Your Internet Connection
Setup needs to know how you want it to connect to the internet. Choose the appropriate settings below.
Use System Proxy Settings
Direct Connection
Use HTTP/FTP Proxy:
Proxy Host
Port
80
保持默认
< 上一步(B)
下一步(N) >
取消


Cygwin Setup - Choose Download Site(s)
Choose A Download Site
Choose a site from this list, or add your own sites to the list
Available Download Sites:
http://cygwin.mirror.constant.com
http://cygwin.mirrors.hoobly.com
http://mirrors.koehn.com
http://mirrors.metapeer.com
https://www.singleboersen.com
http://mirror.team-cymru.com
ftp://mirrors.xmission.com
http://mirrors.xmission.com
http://mirror.clarkson.edu
http://mirror.rit.edu
http://mirror.cs.vt.edu
http://mirror.koddos.net
http://mirror-hk.koddos.net
选择一个镜像下载网站
User URL:
Add
< 上一步(B)
下一步(N) >
取消


Cygwin Setup
Progress
This page displays the progress of the download or installation.
Parsing...
http://cygwin.mirror.constant.com/x86_64/setup.xz
19 % (3022k/15367k)
Progress:
开始下载中...
< 上一步(B)
下一步(N) >
取消

安装包安装好后，自动跳到安装界面



点击Devel前面的+，需确保make安装包已选上

Select Packages

Select packages to install

View Category Search Clear

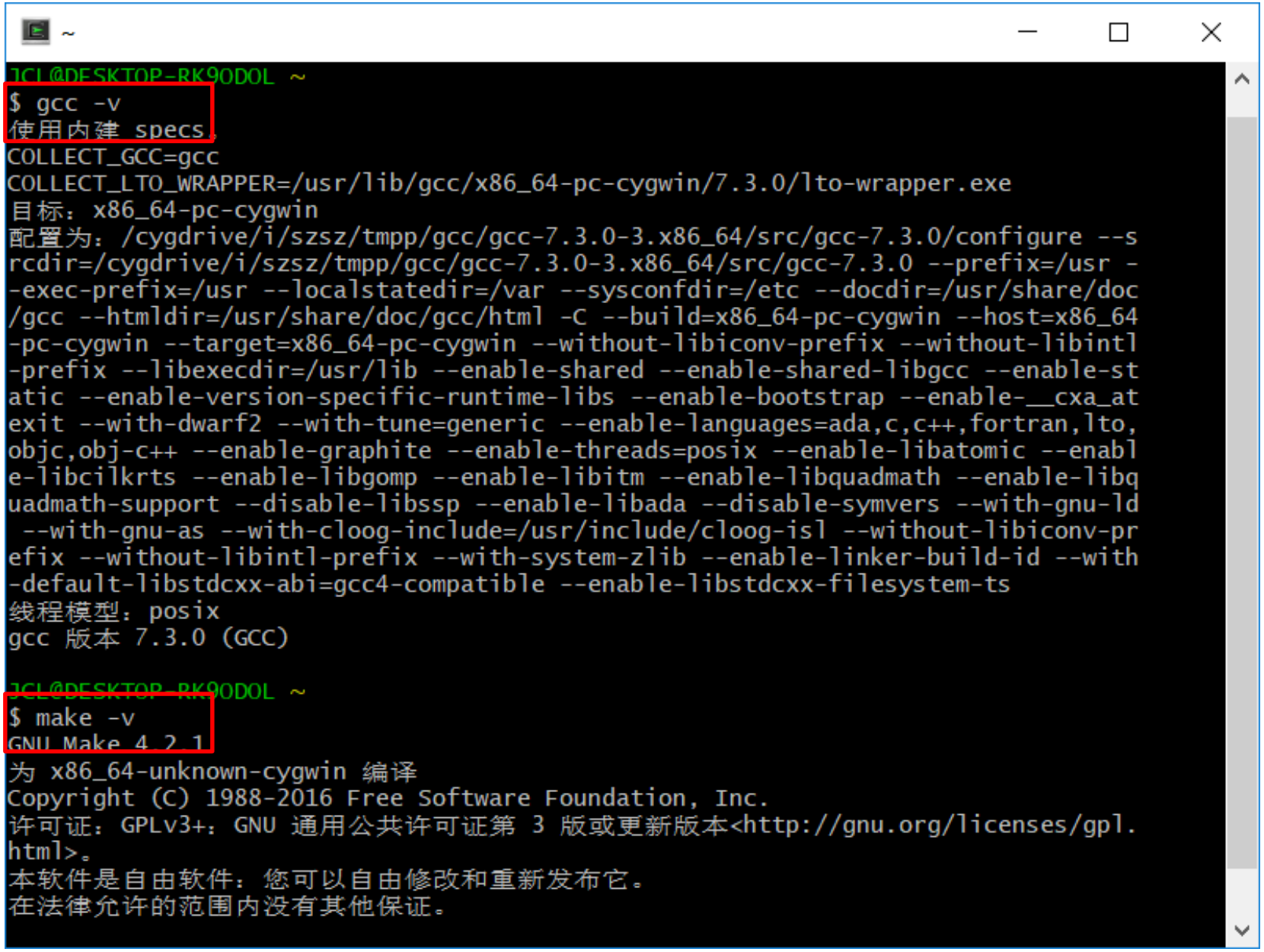
Category	Current	New	Bin?	Src?	Size	Package
		0.9.10-1	☒	☐	40k	libunistring-devel: Library for manipulating Unicode strings - development
		1.0.4-12	☒	☐	1,239k	libustr-devel: Micro string library (devel)
		0.30.2-1	☒	☐	1,435k	libvala0.30_0: Compiler for the GObject type system
		0.34.8-1	☒	☐	1,478k	libvala0.34_0: Compiler for the GObject type system
		0.36.4-1	☒	☐	1,517k	libvala0.36_0: Compiler for the GObject type system
		0.38.8-1	☒	☐	170k	libvala0.38-devel: Compiler for the GObject type system
		0.38.8-1	☒	☐	1,823k	libvala0.38_0: Compiler for the GObject type system
		1.3.6-1	☒	☐	14k	libvorbis-devel: The Vorbis General Audio Compression Codec (Development)
		3.5.12-1	☒	☐	107k	libXpm-noX-devel: X.Org X Pixmap library — no X required (devel)
		17.12.3-1	☒	☐	2,366k	lokalize: KDE gettext catalog editor
		0.4.0-1	☒	☐	16k	lxqt-build-tools: LXQt build macros
	4.2.1-2	Reinstall	n/a	☐	449k	make: The GNU version of the 'make' utility
		1.0.5-1	☒	☐	30k	makedepend: X Makefile dependency tool
		1.20.0-1	☒	☐	30k	mate-common: Common development files for MATE Desktop packages
		2.7.2-2	☒	☐	171k	mcpp: C/C++ preprocessor
		1.2.1-1	☒	☐	80k	mdds1.2-devel: C++ multi-dimensional data structure template library
		3.18.0-1	☒	☐	621k	meld: GNOME diff tool for files, directories, and VCS
		4.3.2-1	☒	☐	2,801k	mercurial: Python based distributed version control system (DVCS)
		0.47.1-1	☒	☐	534k	meson: Meson is an open source build system
		0.7.4-2	☒	☐	40k	mingw64-i686-a52dec: ATSC A/52 (AC-3) decoder library for Win32 toolchain
		1.4rc5-2	☒	☐	62k	mingw64-i686-aalib: ASCII art library for Win32 toolchain
		3.26.1-1	☒	☐	12,862k	mingw64-i686-adwaita-icon-theme: GNOME desktop icon theme for Win32 toolchain
		3.22.3-1	☒	☐	57k	mingw64-i686-adwaita-themes: Default GNOME themes for Win32 toolchain
		0.0.8-2	☒	☐	81k	mingw64-i686-aften: A/52 (AC-3) audio encoder for Win32 toolchain
		2.26.1-1	☒	☐	222k	mingw64-i686-atk1.0: GNOME Accessibility Toolkit library for Win32 toolchain
		2.24.2-1	☒	☐	115k	mingw64-i686-atkmm1.6: ATK C++ bindings for Win32 toolchain
		0.3.6-2	☒	☐	169k	mingw64-i686-audiofile: Digital audio file library for Win32 toolchain
		0.1.28-1	☒	☐	240k	mingw64-i686-babl0.1: Any-to-any pixel format conversion library for Win32 toolchain

一路下一步，即可安装好cygwin

安装好后，桌面将出现图标：Cygwin64 Terminal

测试cygwin是否安装好，双击图标：Cygwin64 Terminal

分别执行gcc –v 与make –v，将安装版本信息，则表示安装成功。



Thank you !