Dear Participant,
In some of the sessions you will be required to use a terminal. To follow through these sessions, you will need to have either a macbook or Linux operating system. For those with windows, follow the instructions below to have a terminal on your computer

If your computer runs Windows, you can get **Cygwin** (which should be introduced during the training). We will show you here how to install Cygwin so that you can get familiar with the interface before the sessions begin.

If you are running **Windows 10 version 16215.0 or higher**, then getting a minimal installation of linux on your computer is a lot easier.

1. Go to **App Store**
2. Search **Ubuntu**
3. Click to **install** (any version of Ubuntu will do)
4. Once installed, search Ubuntu and **launch** it

How to install Cygwin on your Windows computer
There are several options for getting linux on your computer without necessarily removing your Windows installation. However, these will only give you a minimal installation which should be enough to get you through the training. We will show you how to get Cygwin. Feel free to install any other simulator/emulator of your choice.

Installing Cygwin

1. Go to https://www.cygwin.com/install.html or copy and paste the link in your browser
2. Click to download a setup based on your computer architecture [64-bit (x86_64) or 32-bit (x86)].

Cygwin

Get that Linux feeling - on Windows
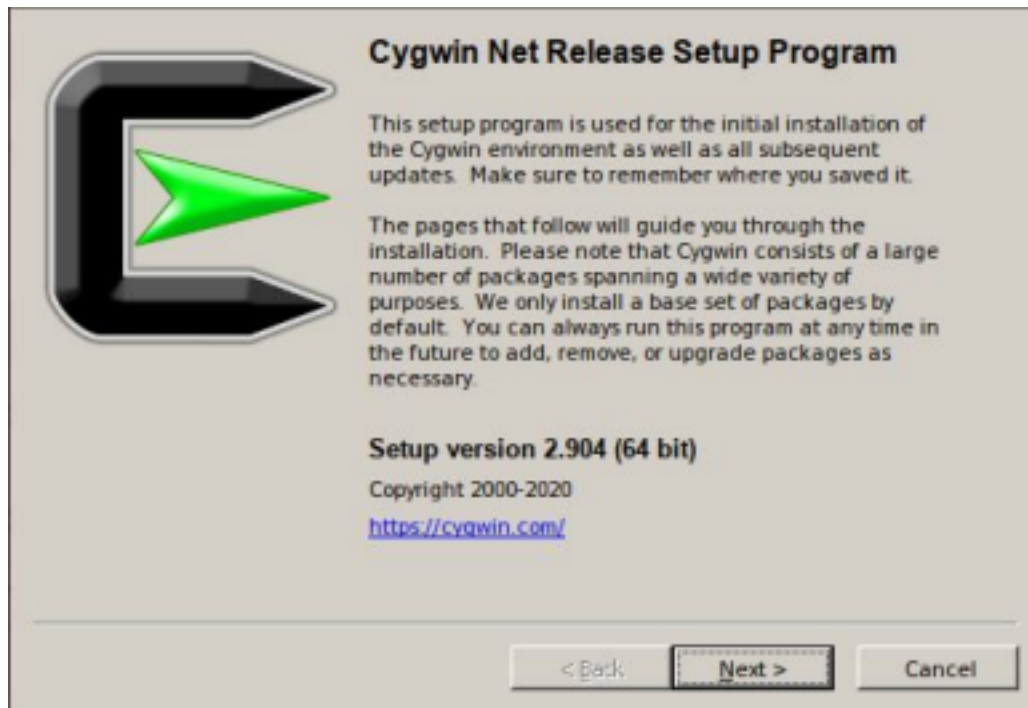
Installing and Updating Cygwin Packages

Installing and Updating Cygwin for 64-bit versions of Windows

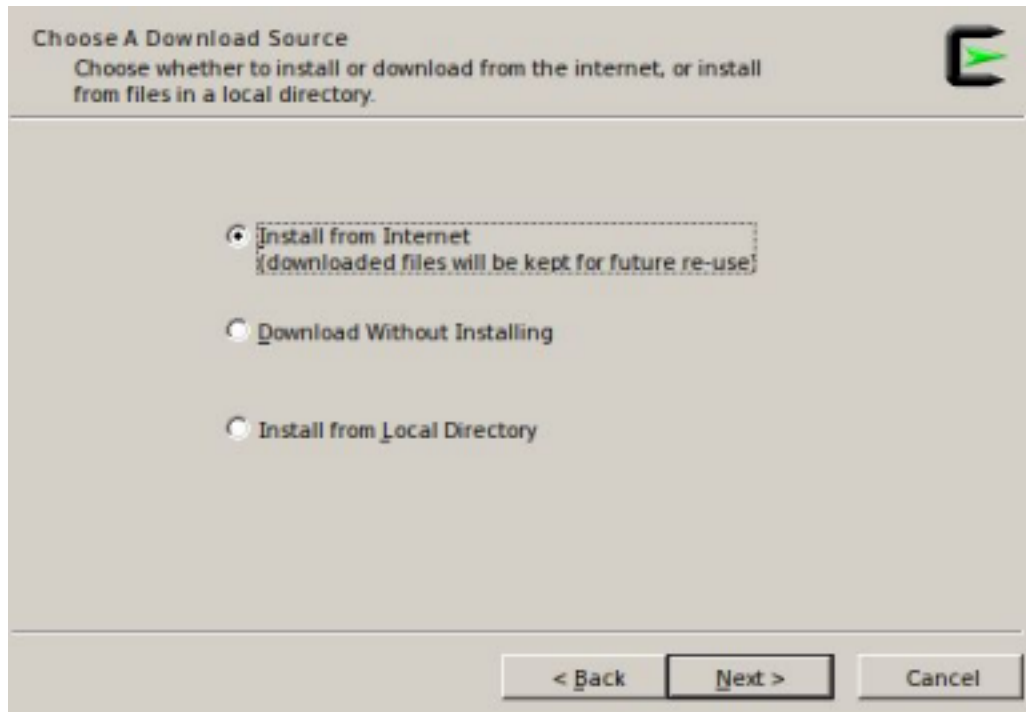Run setup-x86_64.exe any time you want to update or install a Cygwin package for 64-bit windows. binary.

Installing and Updating Cygwin for 32-bit versions of Windows

Run setup-x86.exe any time you want to update or install a Cygwin package for 32-bit windows. The

3. Run the installer (setup) Click next

Cygwin Net Release Setup Program

This setup program is used for the initial installation of the Cygwin environment as well as all subsequent updates. Make sure to remember where you saved it.

The pages that follow will guide you through the installation. Please note that Cygwin consists of a large number of packages spanning a wide variety of purposes. We only install a base set of packages by default. You can always run this program at any time in the future to add, remove, or upgrade packages as necessary.

Setup version 2.904 (64 bit)

Copyright 2000-2020

https://cygwin.com/

< Back | Next > | Cancel

4. Click next

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

< Back   Next >   Cancel

5. Click next

Select Root Install Directory
Select the directory where you want to install Cygwin. Also choose a
few installation parameters.

Root Directory
C:\cygwin64   Browse...

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.

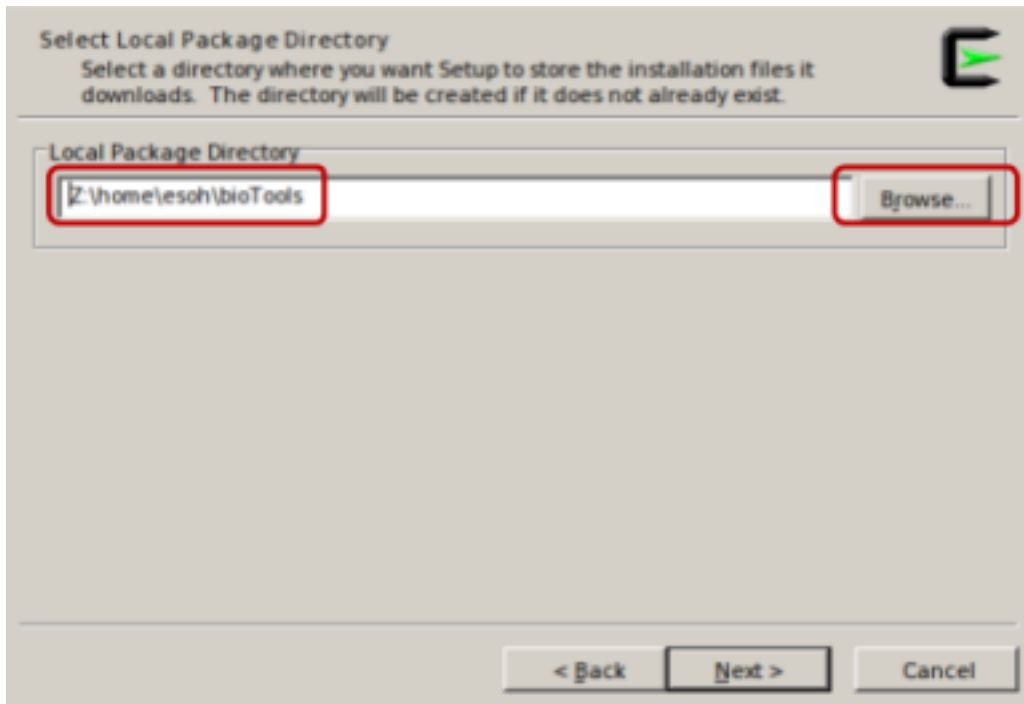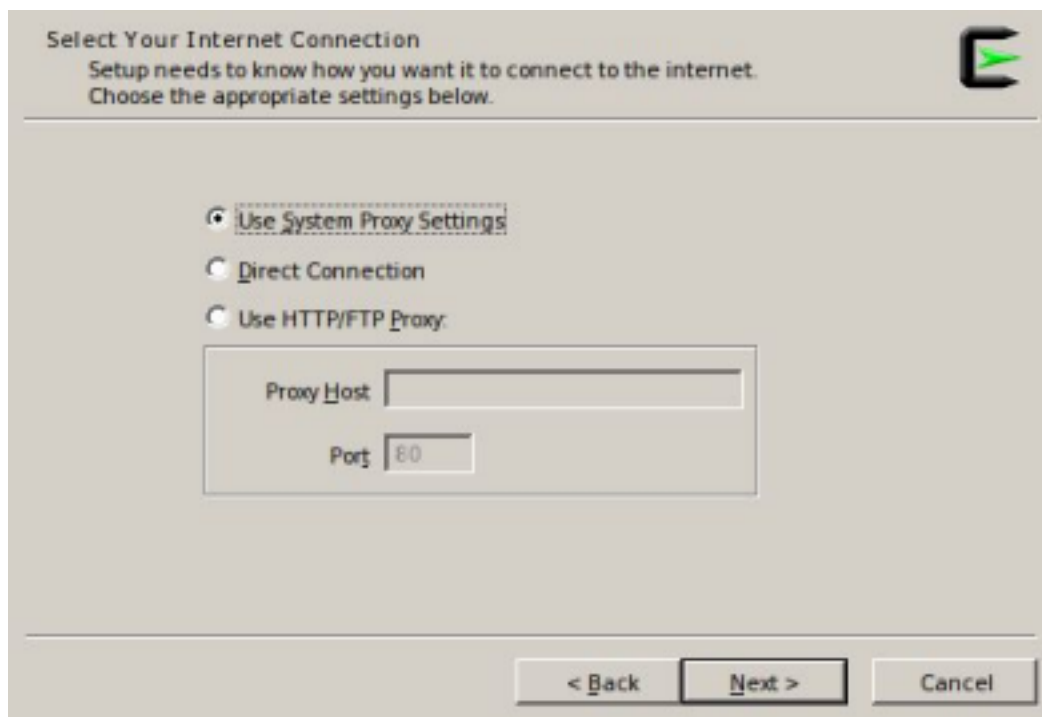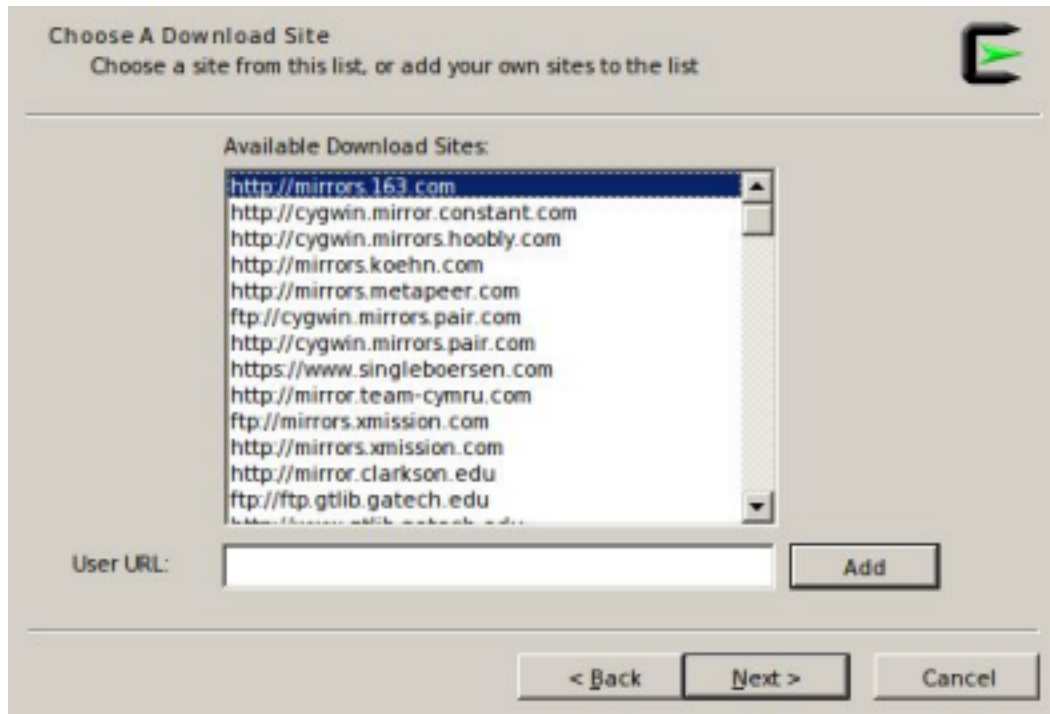< Back   Next >   Cancel

6. Choose a path where you would want the Cygwin packages to be installed. Click on
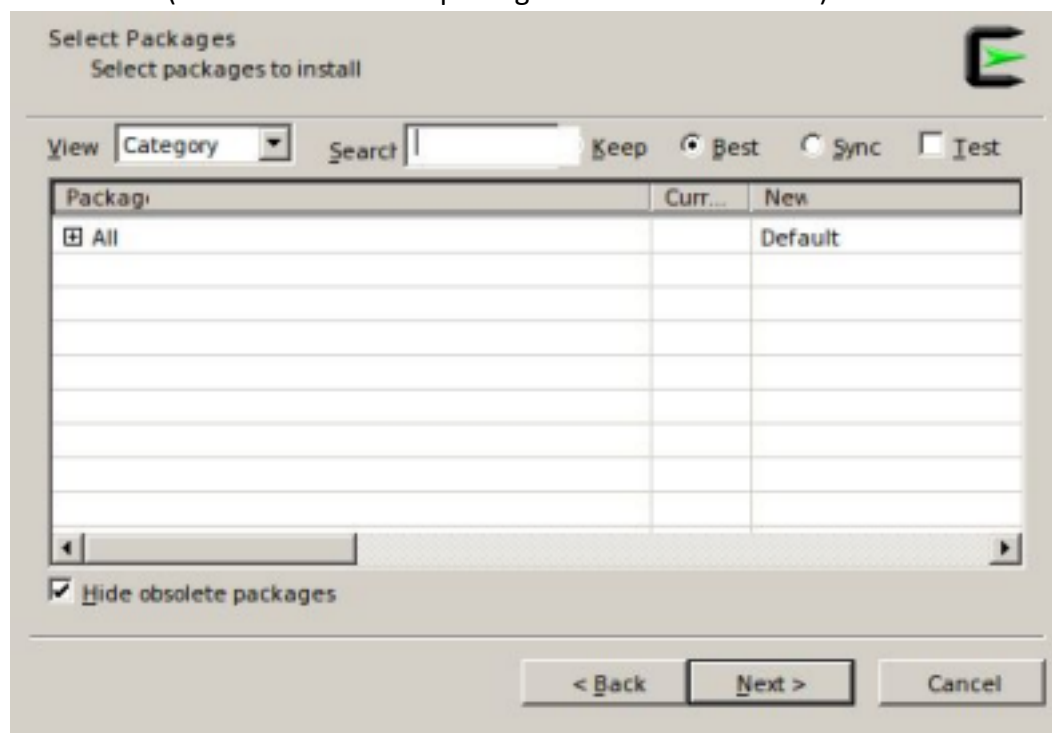   browse and select your folder. Click next after selecting a folder

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

Z:\home\esoh\bioTools   Browse...

< Back   Next >   Cancel

7. Click next

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

< Back   Next >   Cancel

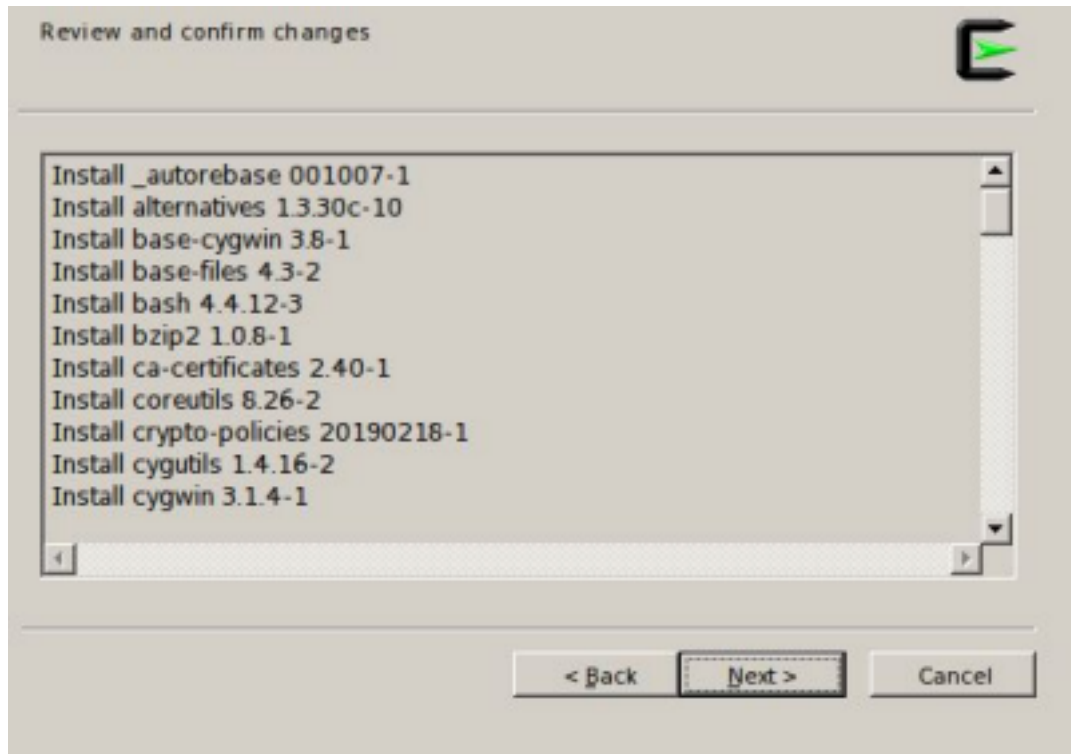8. Select a mirror (any) and Click next

9. Click next (This will install base packages needed to run linux).

10. Click next

Review and confirm changes

Install _autorebase 001007-1
Install alternatives 1.3.30c-10
Install base-cygwin 3.8-1
Install base-files 4.3-2
Install bash 4.4.12-3
Install bzip2 1.0.8-1
Install ca-certificates 2.40-1
Install coreutils 8.26-2
Install crypto-policies 20190218-1
Install cygutils 1.4.16-2
Install cygwin 3.1.4-1

< Back   Next >   Cancel

11. You will see the download/install progress. If no errors occur, you will be prompted to create a desktop icon and finish the installation.

Progress
This page displays the progress of the download or installation.

Downloading...

cygwin-3.1.4-1.tar.xz from http://mirrors.163.com/cygwin/x...

67 % (1425k/2125k) 124.4 kB/s

Progress:

Total:

Disk:

< Back   Next >   Cancel