Installing Cygwin
(Windows Installation)
Diane Howard

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What is Cygwin?

- A windows terminal that allows you to use Linux/Unix commands from your Windows system. For our assignments, we use Cygwin to connect to our remote Linux / Unix systems in the Cloud.

What...

...is it?

Cygwin is:

- a collection of tools which provide a Linux look and feel environment for Windows.

- a DLL (cygwin1.dll) which acts as a Linux API layer providing substantial Linux API functionality.

...isn't it?

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, with the exception of Windows CE and Windows NT4.

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Where to get Cygwin?

- http://www.cygwin.org

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How to Install Cygwin (1 of 2)

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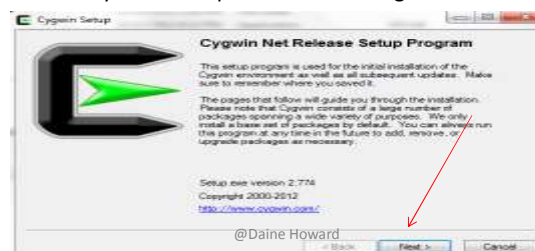# Installing Cygwin (2 of 2)

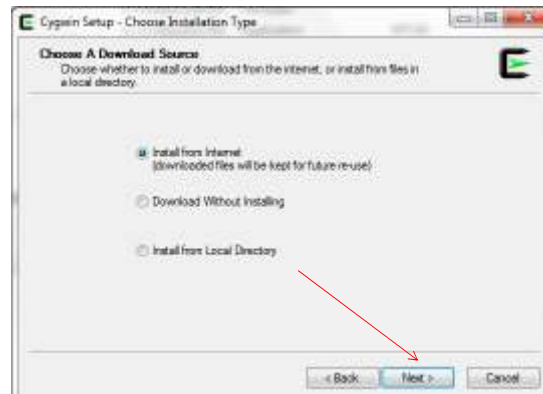- Select setup.exe

Setup.exe

1. Save setup.exe to your desktop (the download may take a few minutes)

2. Select setup.exe from your desktop and the following installer will appear:

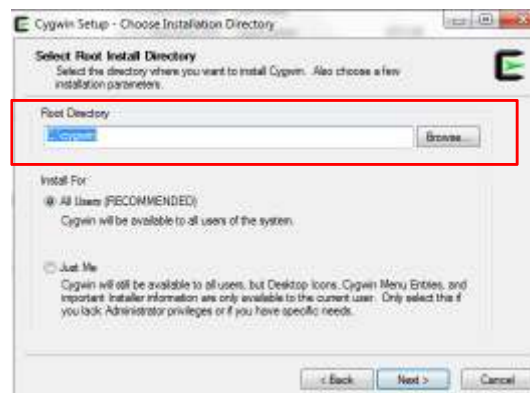# Continuing with installation…

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Choose your Cygwin installation directory

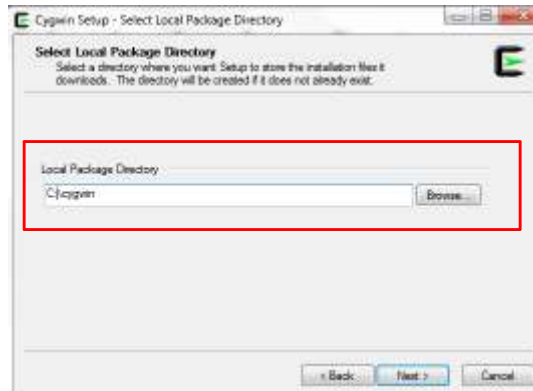@Daine Howard   8

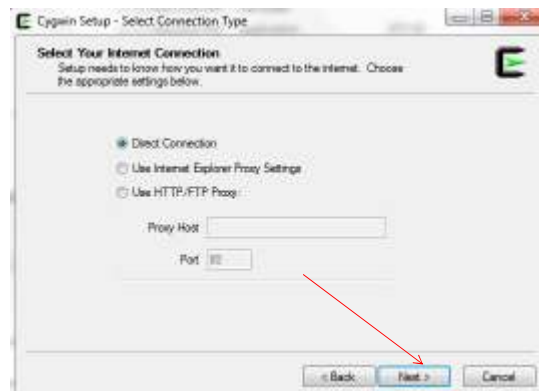# Select local package directory
to store Cygwin files

Note: Local package directory will default to your download directory so if you want Cygwin to reside in another location you must enter it.
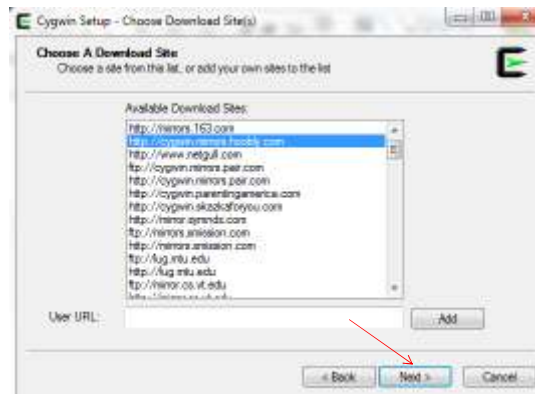

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Select your connection to the Internet
to download Cygwin files

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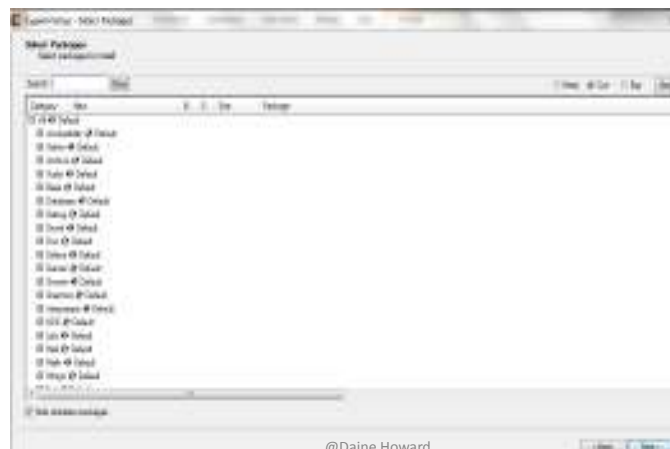
Choose a download site
(any site will suffice)

Selecting packages to install (1 of 4)

- Files will be downloaded then you will be asked what file(s) to select.
- It is very important you select Open SSH / Open SSL to allow secure logins and encrypted copying over the internet.   The Open SSH and Open SSHL is located in Net. (see next slide for expansion of Net).

Selecting packages to install (2 of 4)

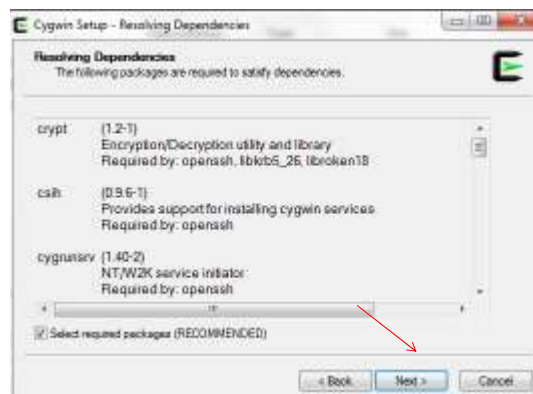- Here's what Net looks like. You must scroll down to find it.   (don't touch that Next button just yet!)

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Selecting packages to install (3 of 4)

- Select Skip.

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Selecting packages to install (4 of 4)

- Your screen will look like the following:
- Now select Next.

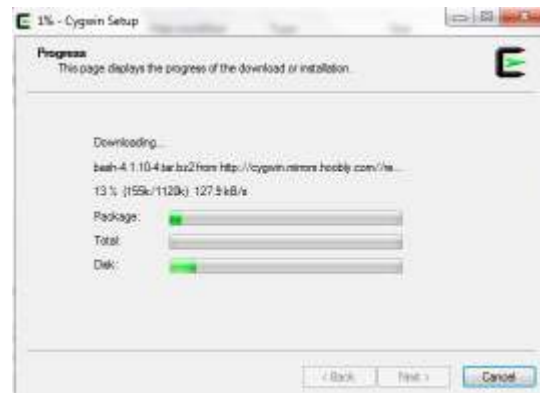
Resolving Dependencies

- Select the defaults provided.

Setting up…

- This may take up to 10-20 minutes…
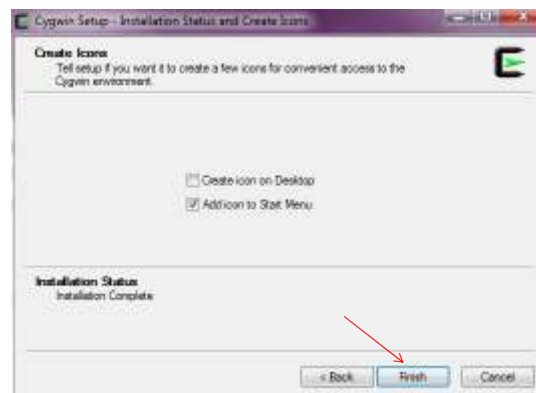
Final Step
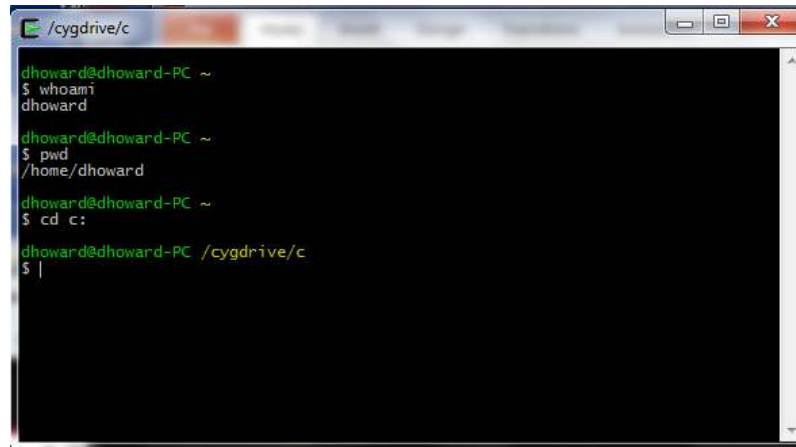
Cygwin terminal window looks like:

- Now you can run Linux / Unix commands (whoami, pwd, …)

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Another tool similar to Cygwin

- PuTTY – www.putty.org

Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY here.

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