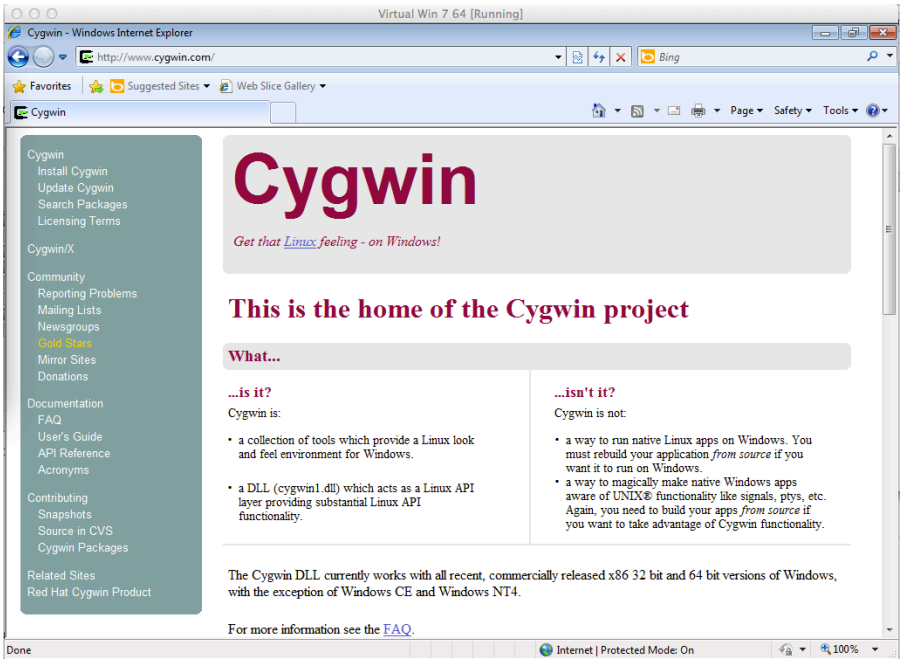
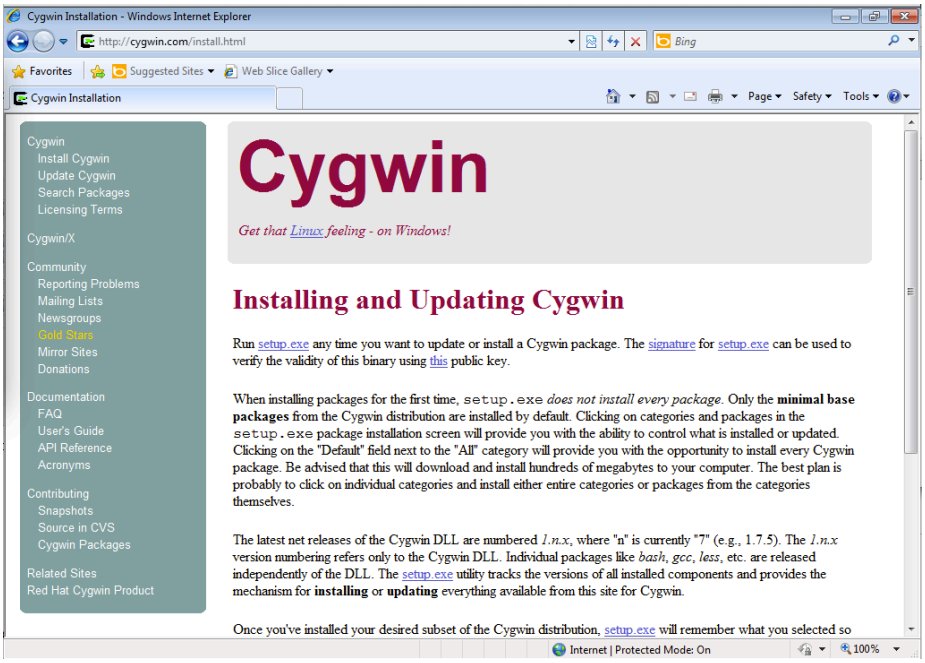
Installing Octave on Cygwin

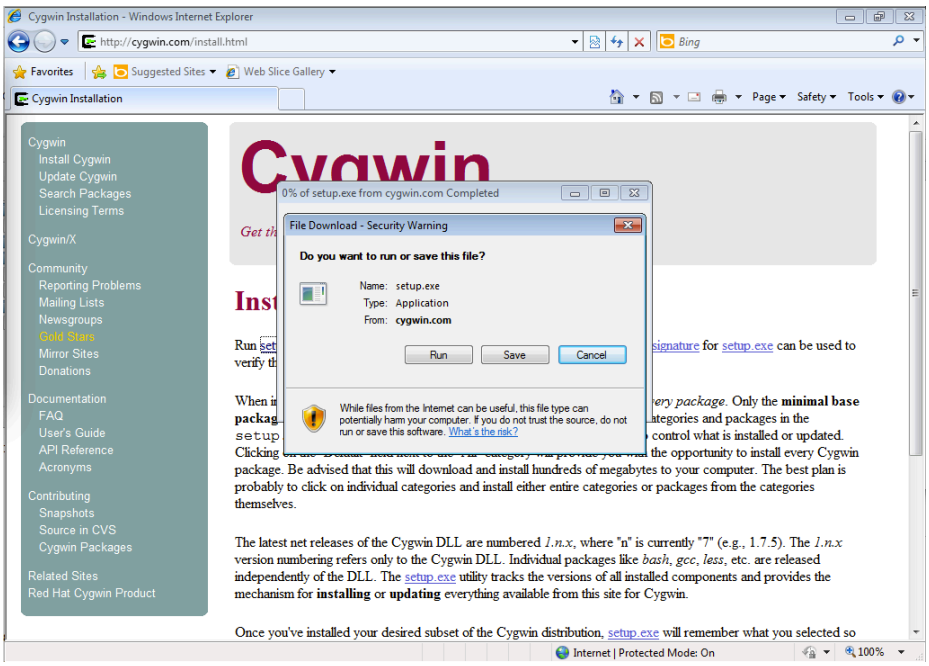
First, go to www.cygwin.com



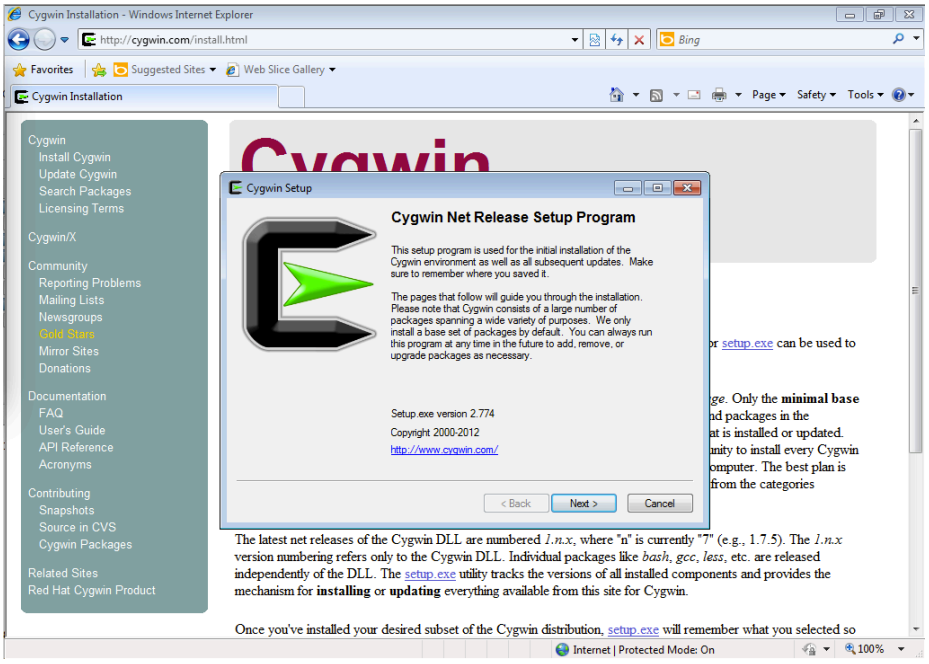
Click the Install Cygwin link on the upper left hand side of the page.



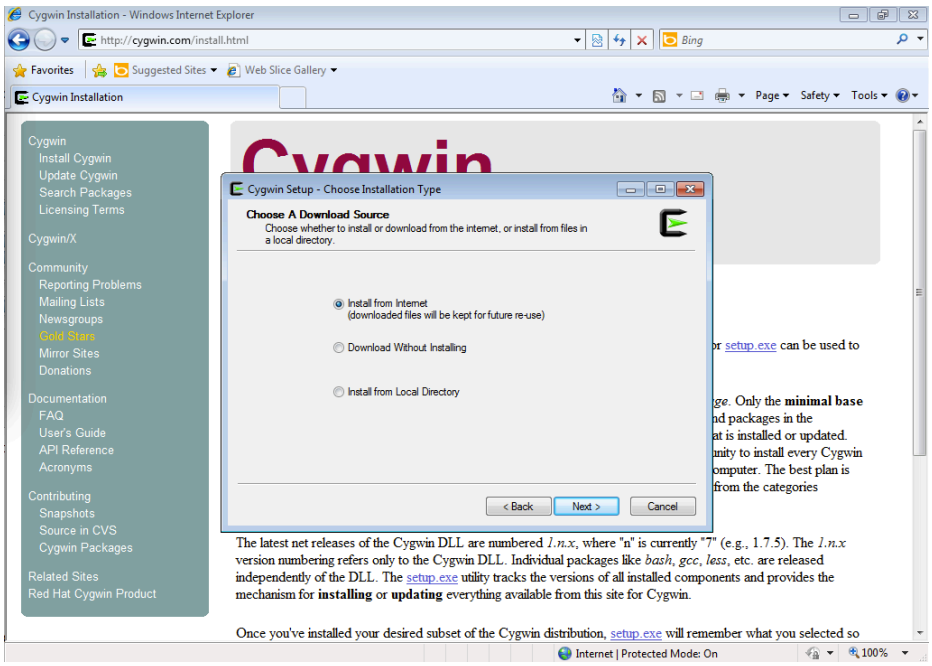
Click the setup.exe link just below the red “Installing and Updating Cygwin” heading.



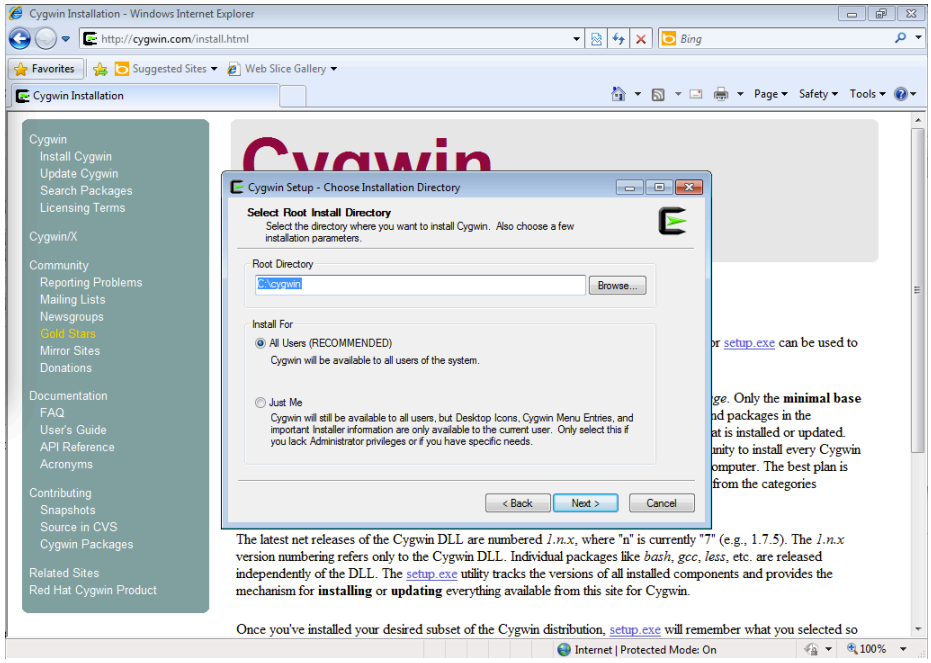
Save and then run setup.exe. Be sure to remember where you put the file.



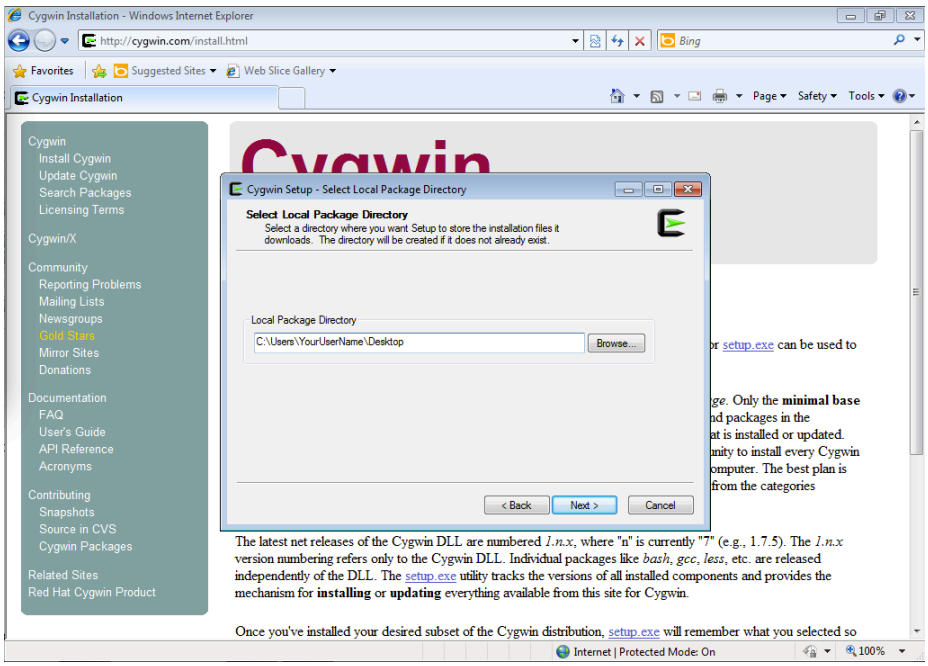
Run setup.exe, then, click next.



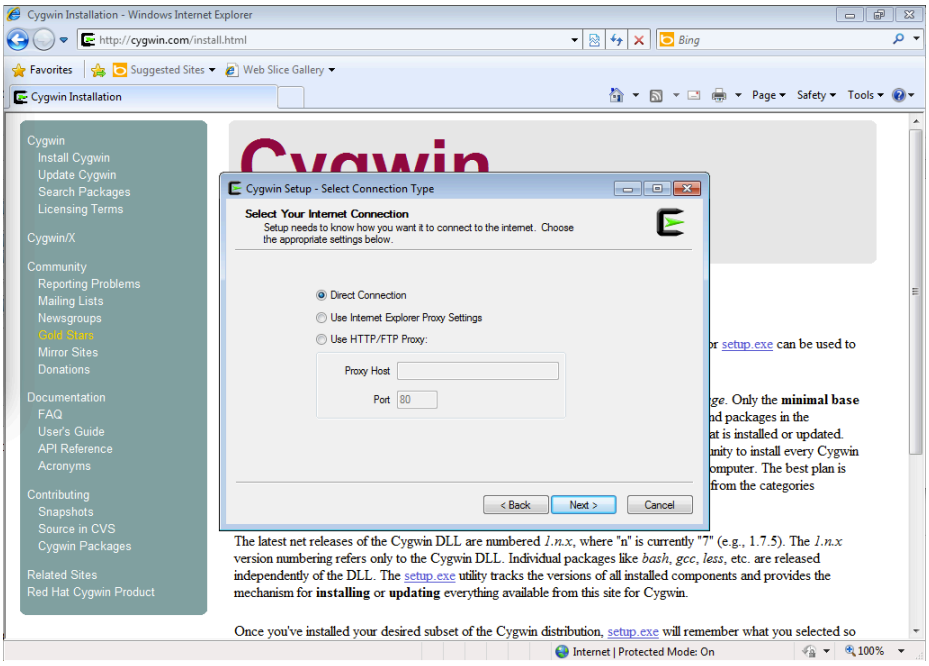
Select Install from Internet, then, click next.



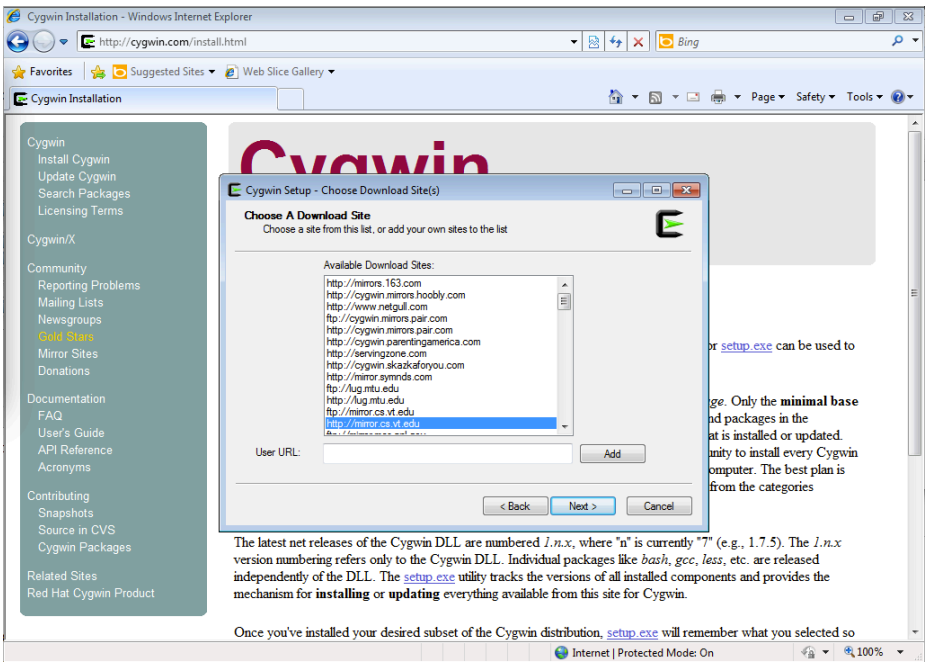
Use the default C:\cygwin for all users as the root directory, then, click next.



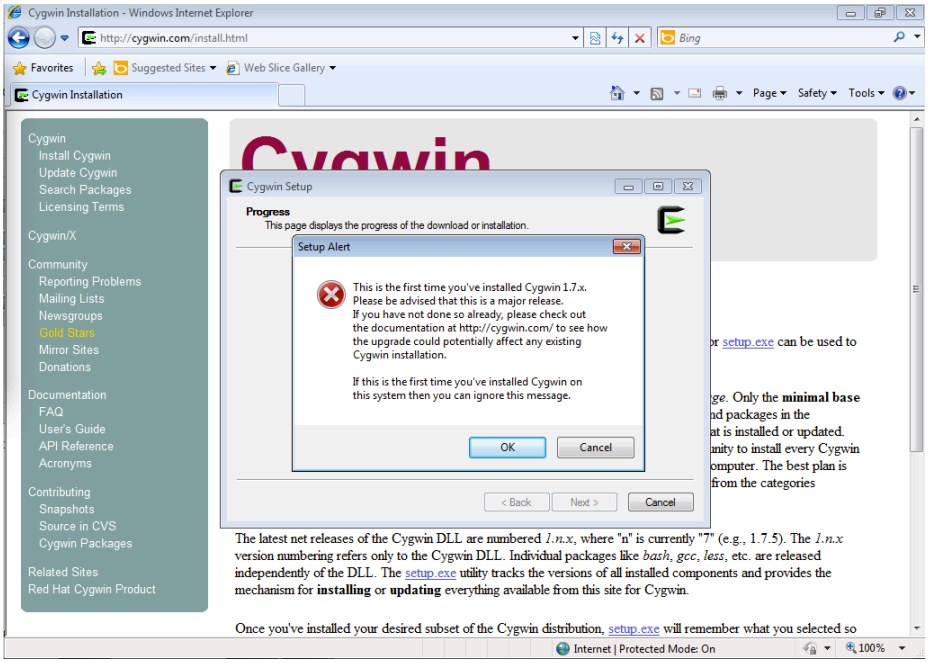
Choose a directory to use as the local package directory (you do not need to remember this).



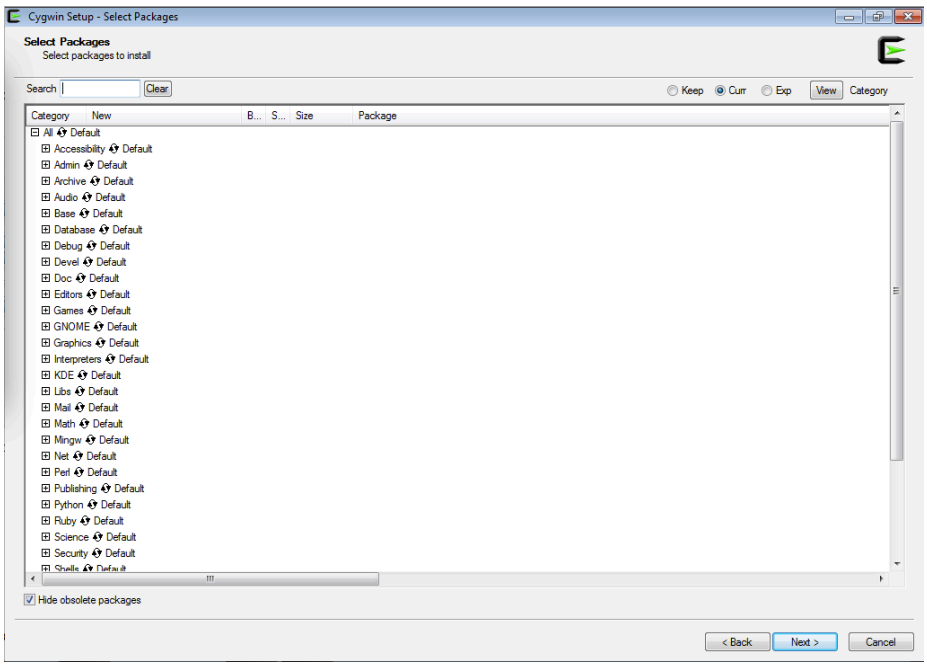
Use a direct Internet connection.



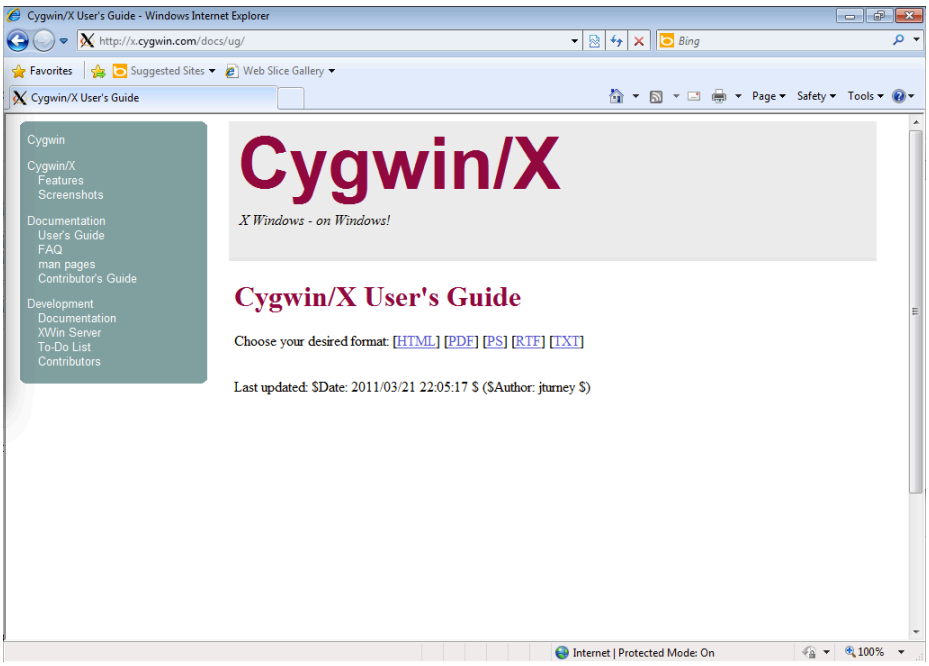
Select a download site. The university sites may be more reliable.



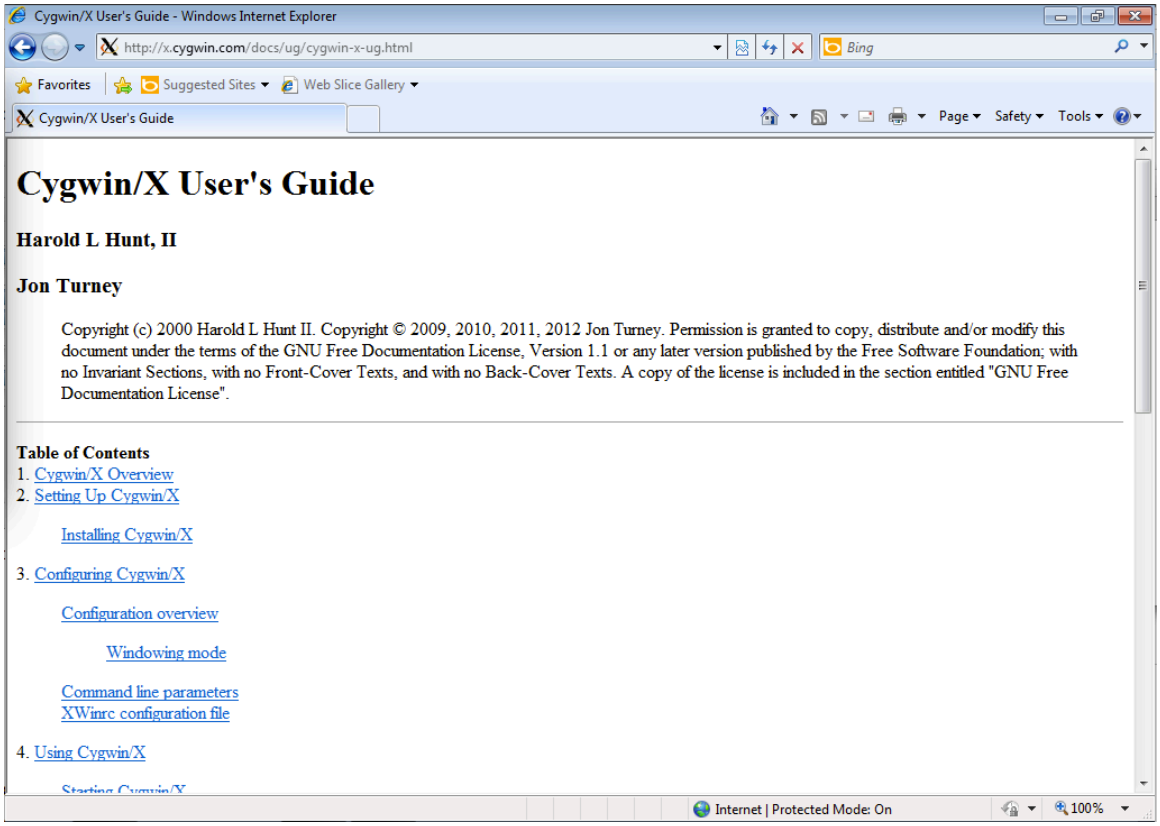
Click ok on the setup alert. If you have a previous version of Cygwin, you may need to read the documentation.

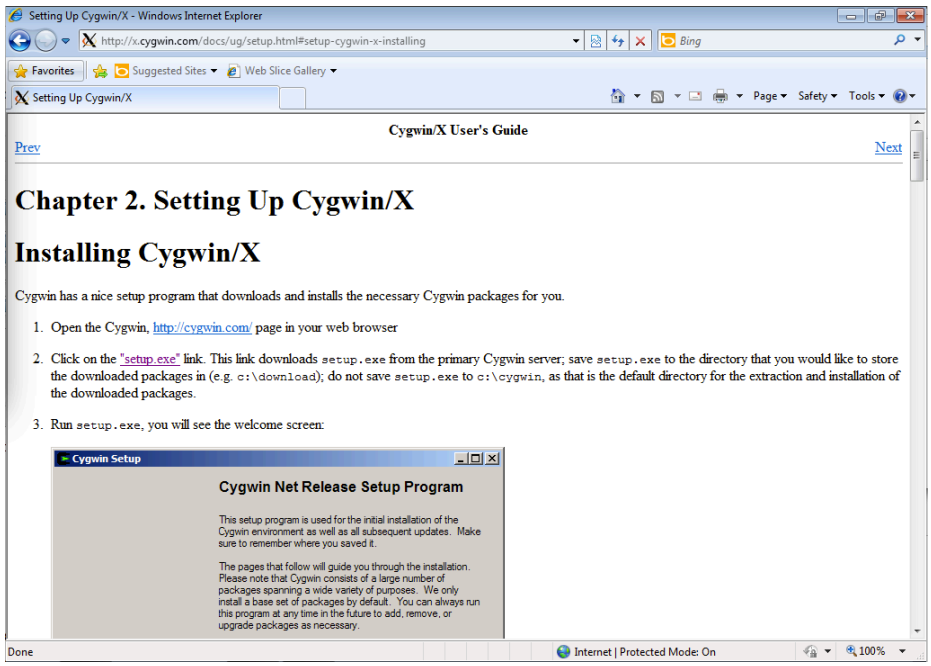


Now you should be on the package selection page within the Cygwin Setup. STOP! You should go to http://x.cygwin.com first. Then, click on the User's Guide.

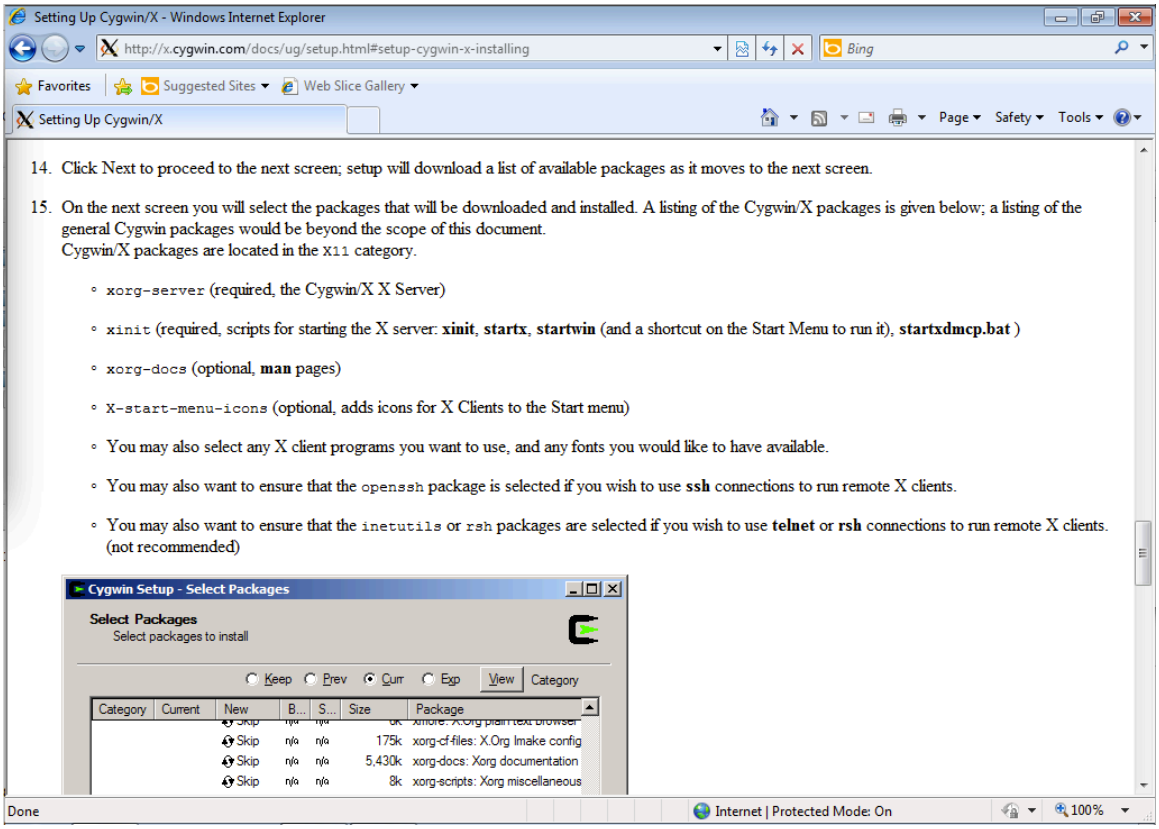


Go to the html version of the user guide. Then click the “Setting Up Cygwin/X” link.





Scroll down to items 14 and 15 of Chapter 2. These list the required packages to run Cygwin/X. You need Cygwin/X to run octave properly.



The following pictures show the packages you will need to run Cygwin/X, Octave, various text editors such as Nano, Emacs, and Vi, and a C compiler called gcc.

Use the search text box in the upper left hand corner to find these packages. Initially, they will be hidden under headings such as X11. You must click the plus button near the heading to open the list of software.

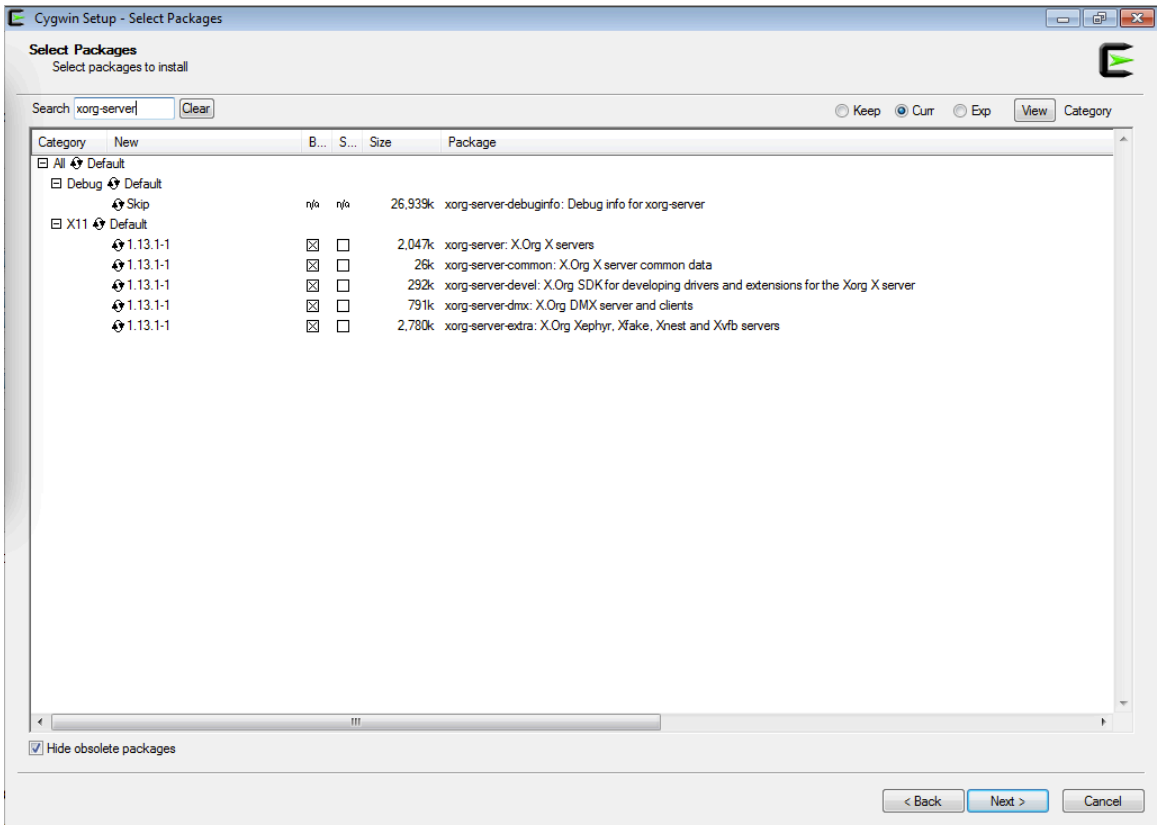
Next, there will be a column containing the word skip across from many of the packages from which you may select. Click skip once for each package. The word skip will change to a version number such as 1.13.1-1.

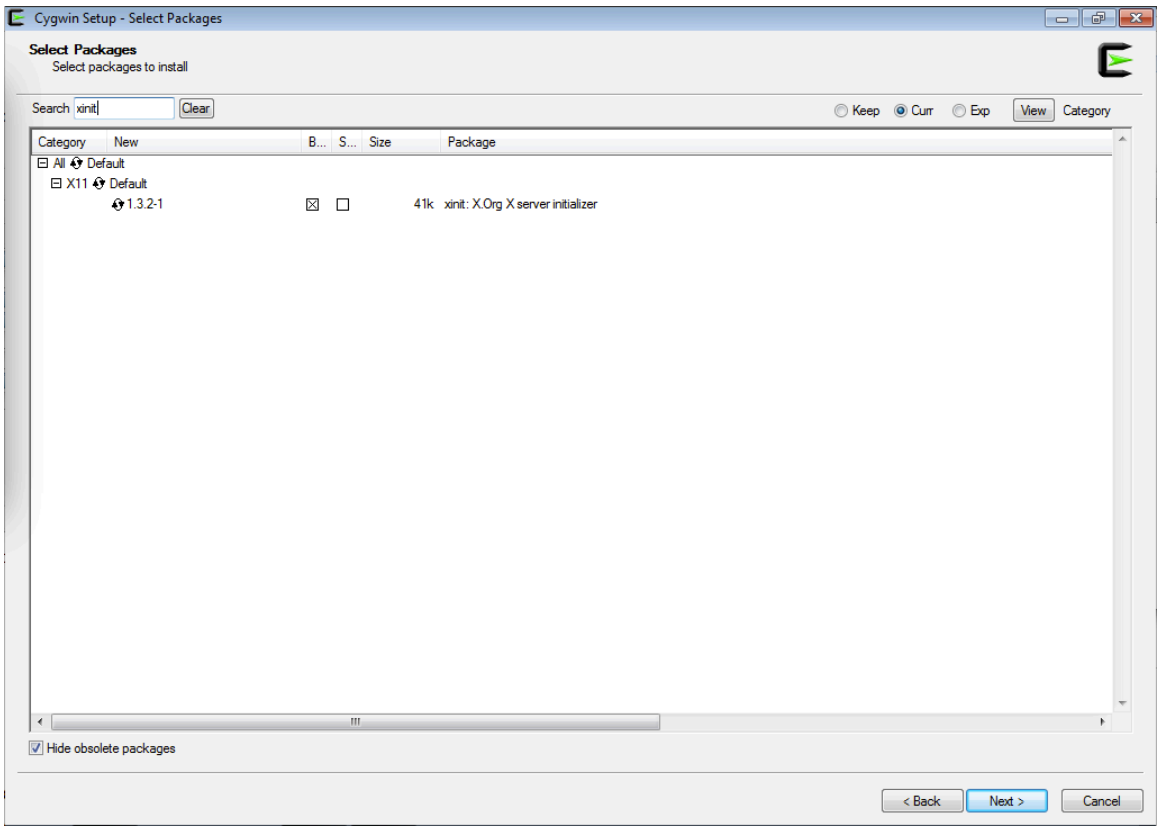
Once you see a version number, you have selected a package.

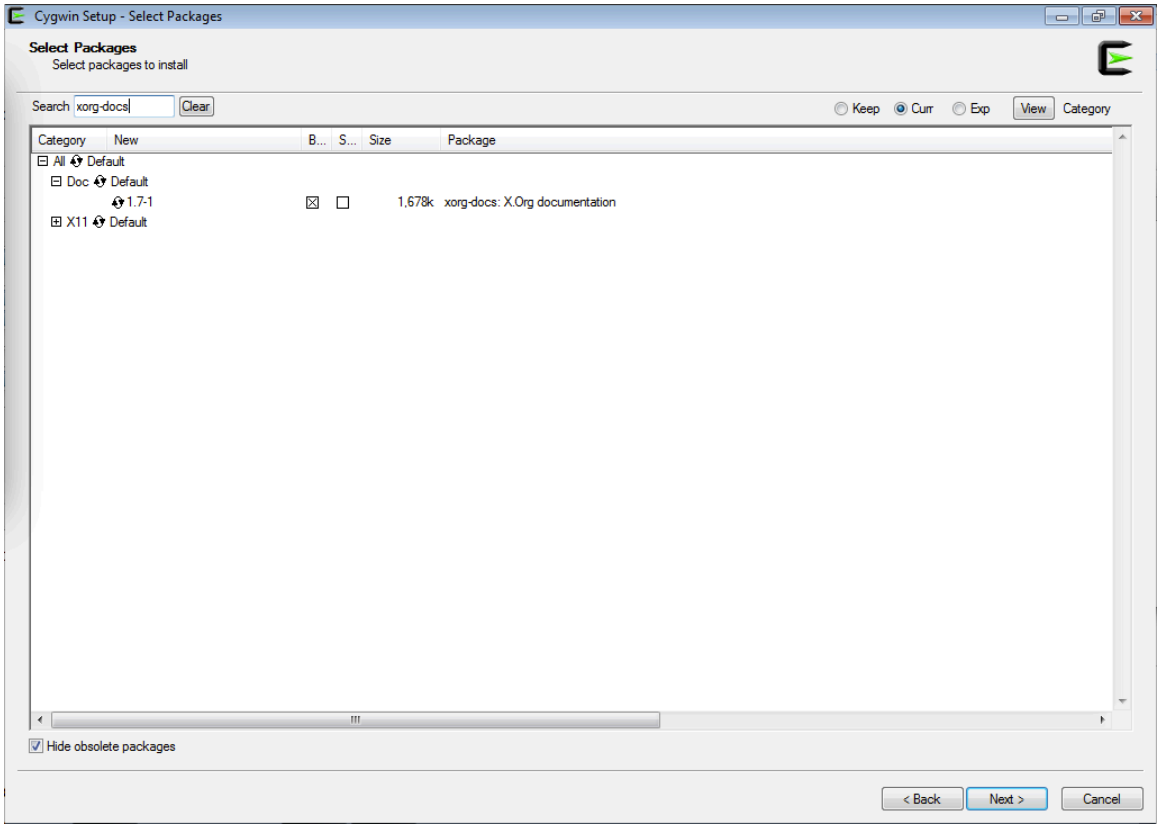
DON'T CLICK NEXT YET!!!

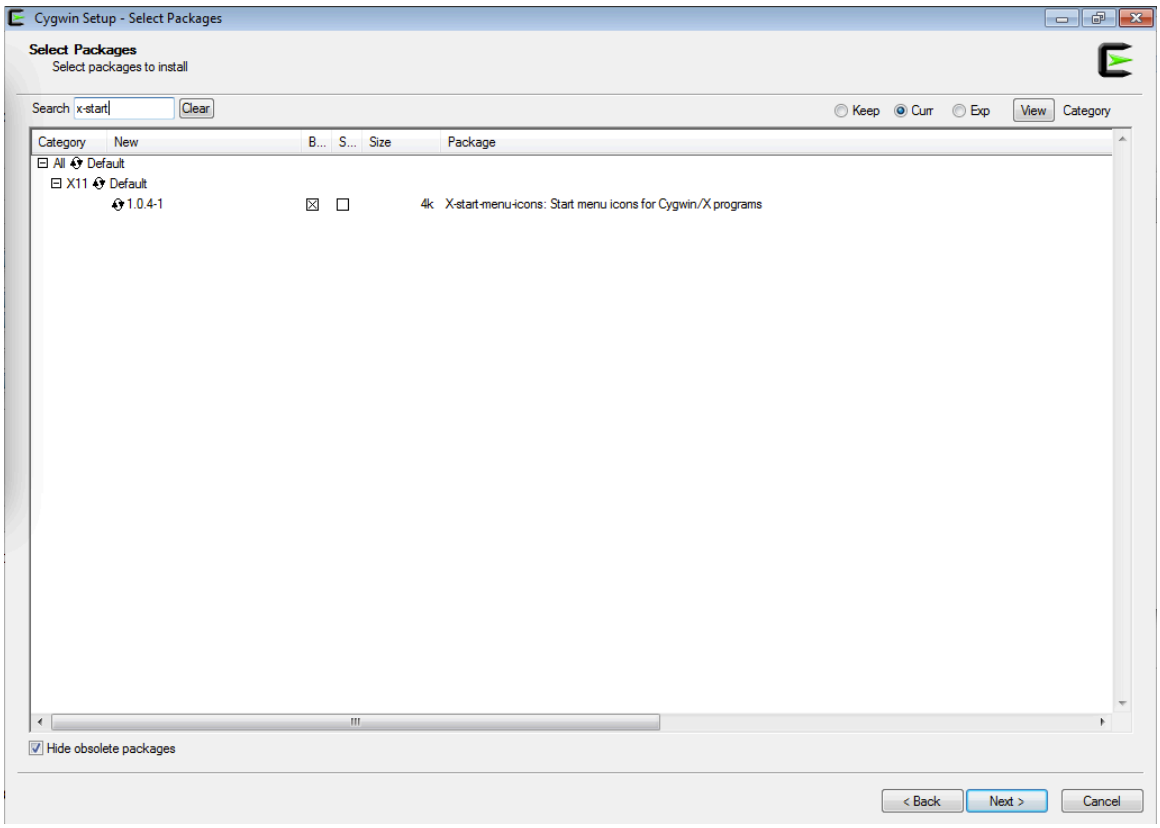
After you select the packages you need, type in the keyword referring to the next package you need. Repeat these steps until you have selected all the packages you need. Then, you can click next!

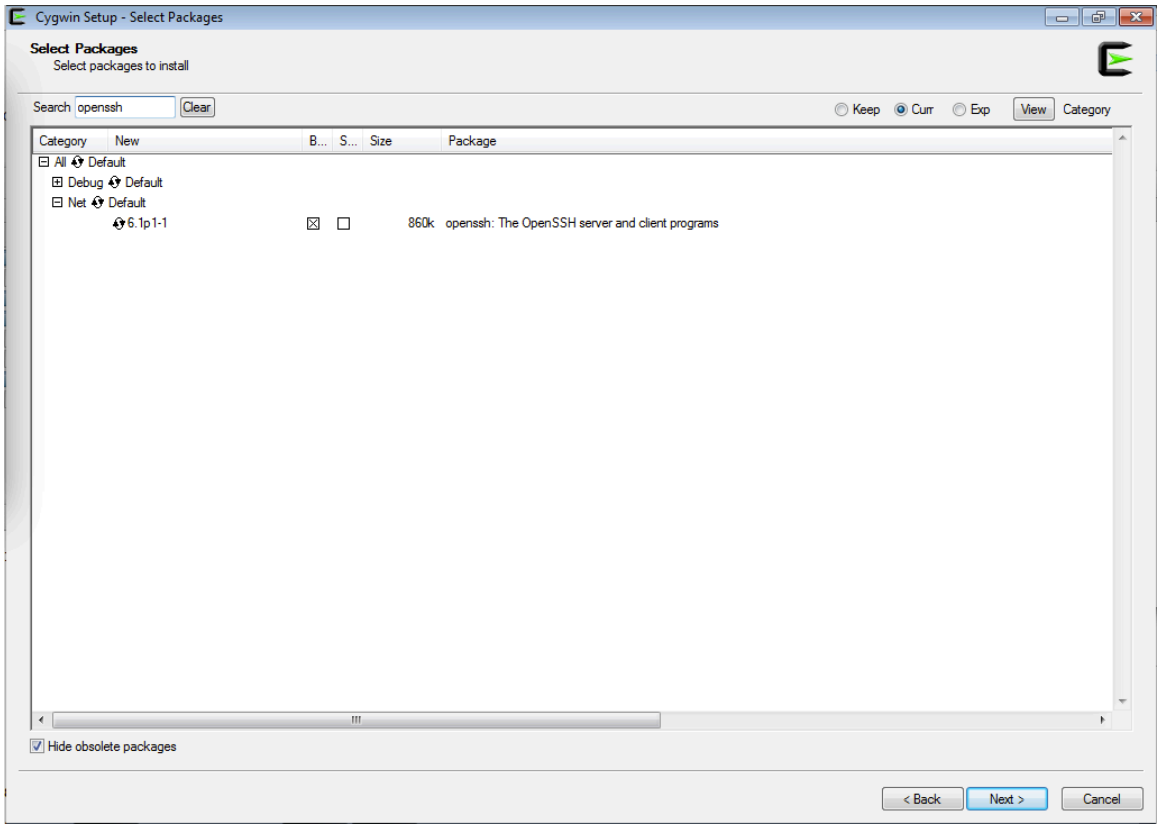
If you click on the version number for a package more than once you may revert to an older version. If you do this on accident, DON'T PANIC! Just keep clicking until you get back to the newest version (the highest number).

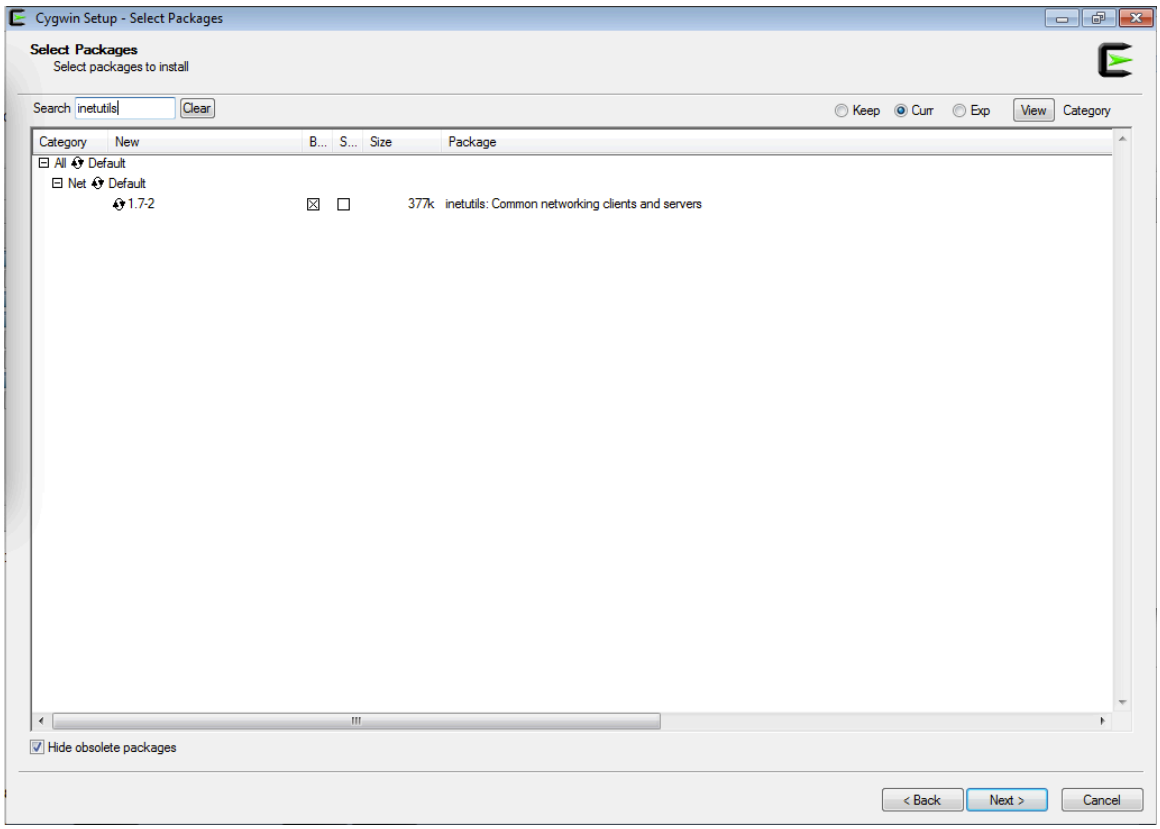


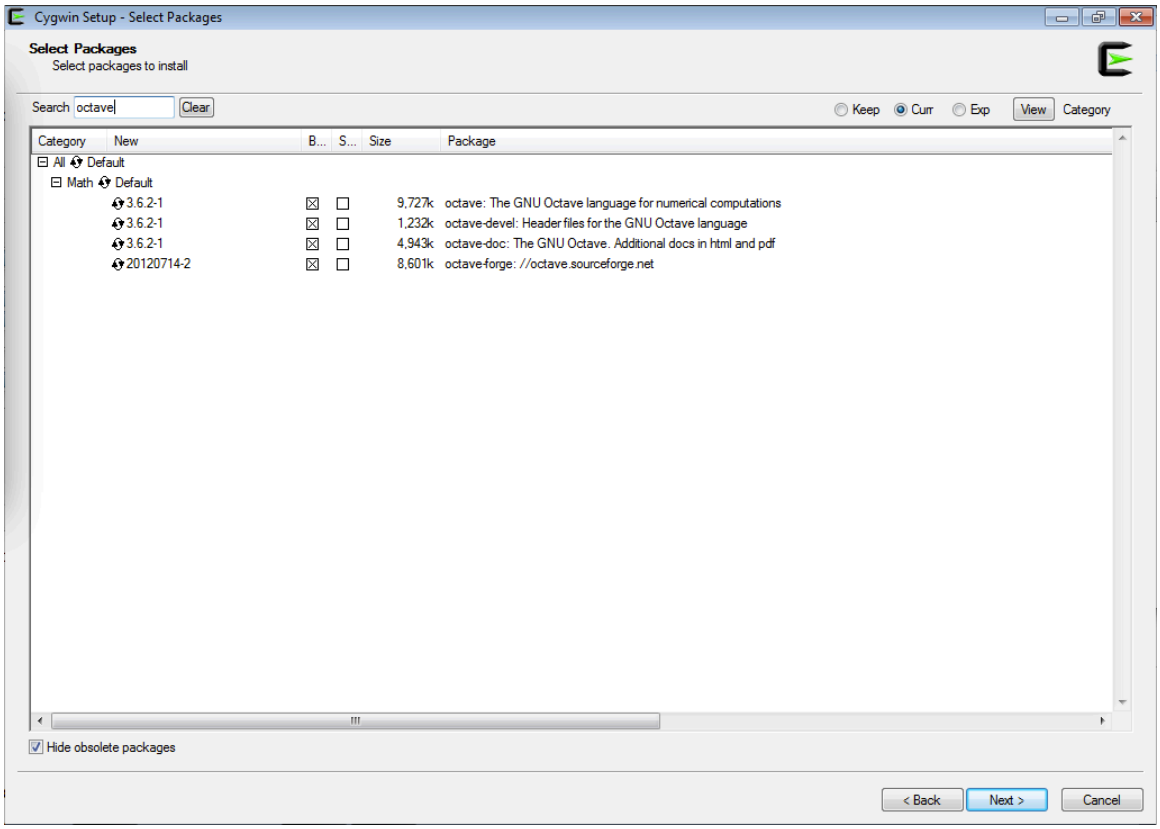

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search xinit
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
X11 Default
1.3.2-1
41k
xinit: X.Org X server initializer
Hide obsolete packages
< Back
Next >
Cancel

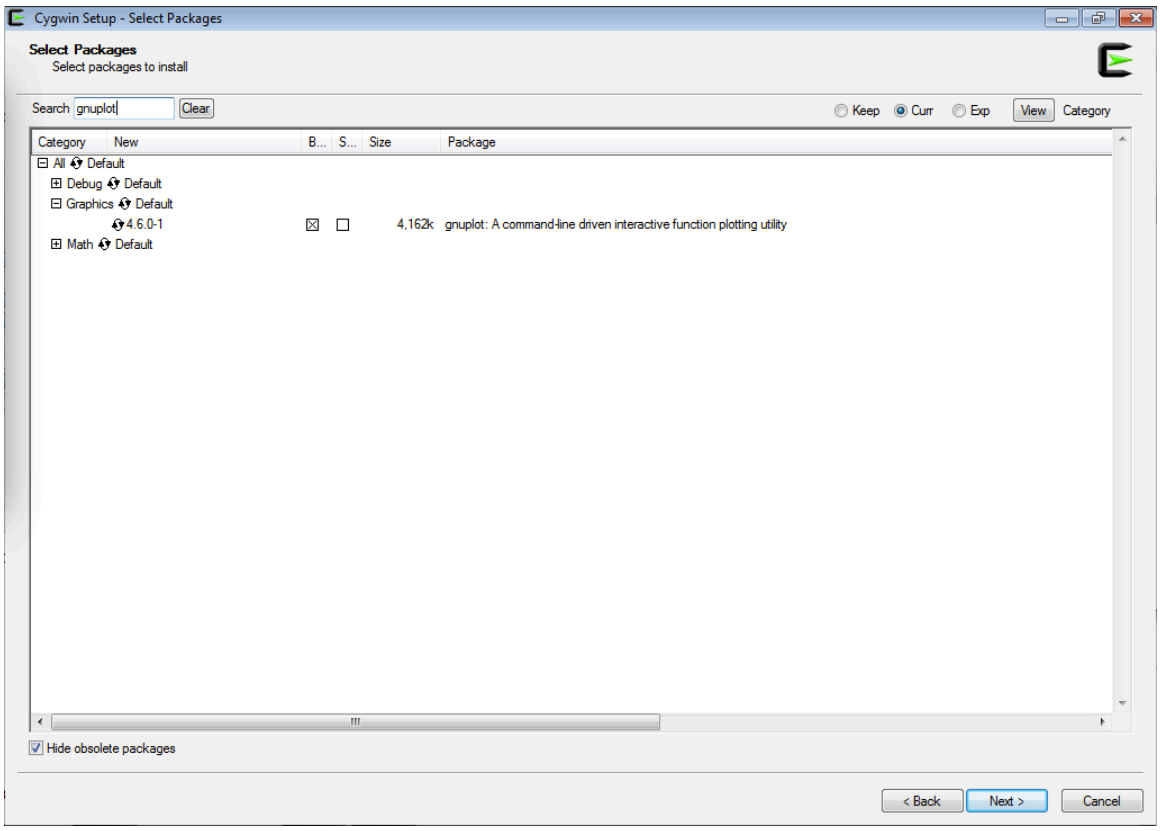

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search xorg-docs
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Doc Default
1.7-1
1,678k
xorg-docs: X.Org documentation
X11 Default
Hide obsolete packages
< Back
Next >
Cancel

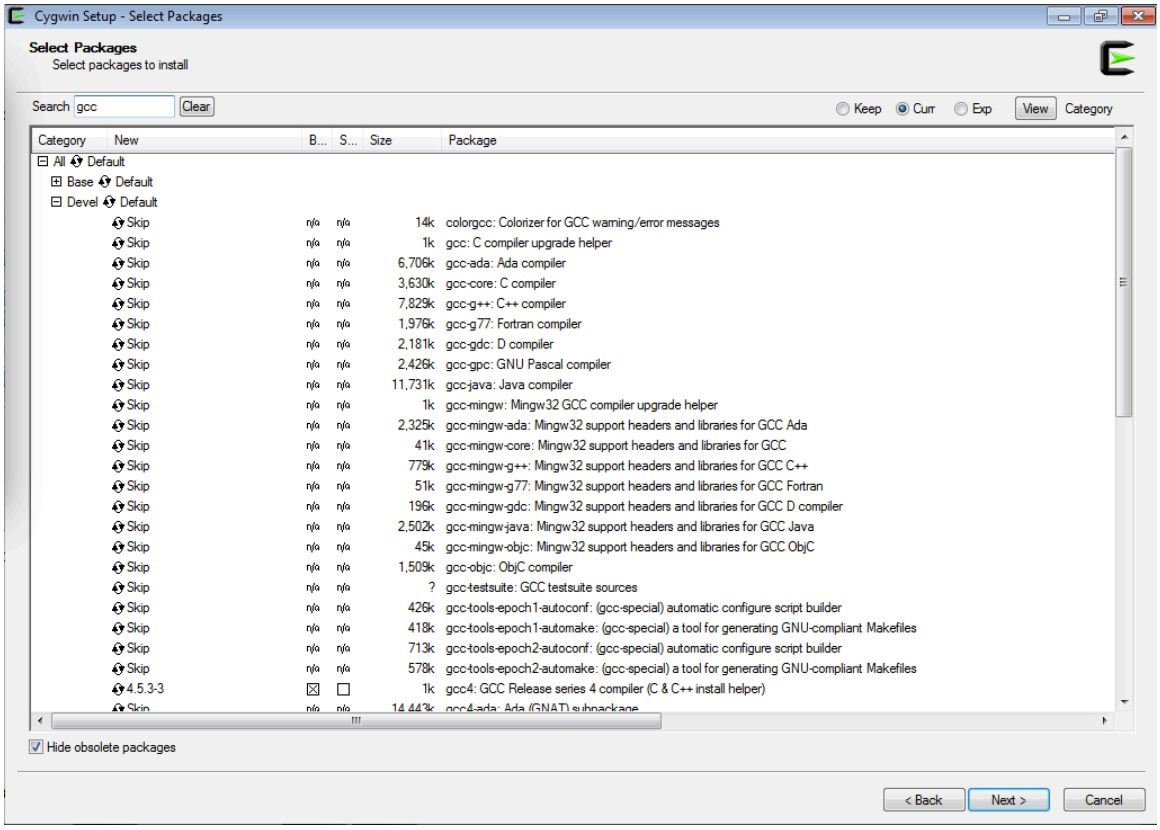

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search x-start
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
X11 Default
1.0.4-1
4k
X-start-menu-icons: Start menu icons for Cygwin/X programs
Hide obsolete packages
< Back
Next >
Cancel

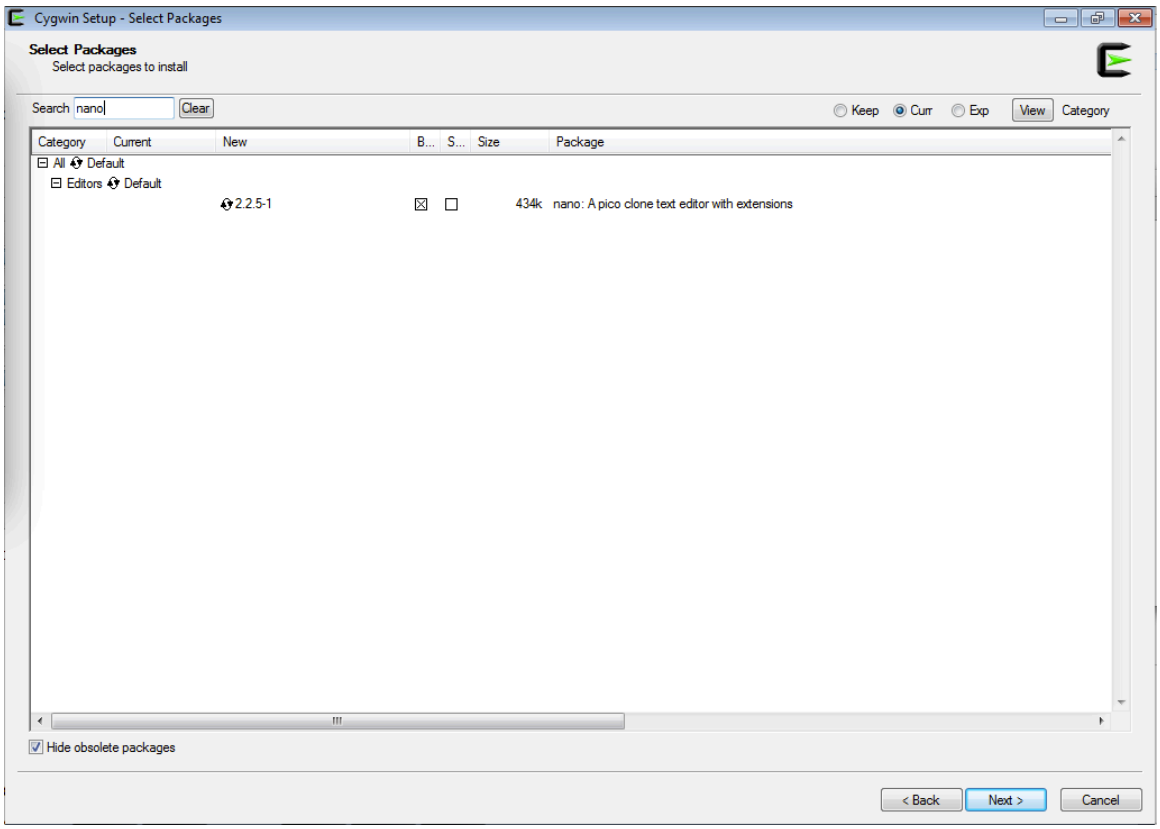

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search openssh
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Debug Default
Net Default
6.1p1-1
860k
openssh: The OpenSSH server and client programs
Hide obsolete packages
< Back
Next >
Cancel

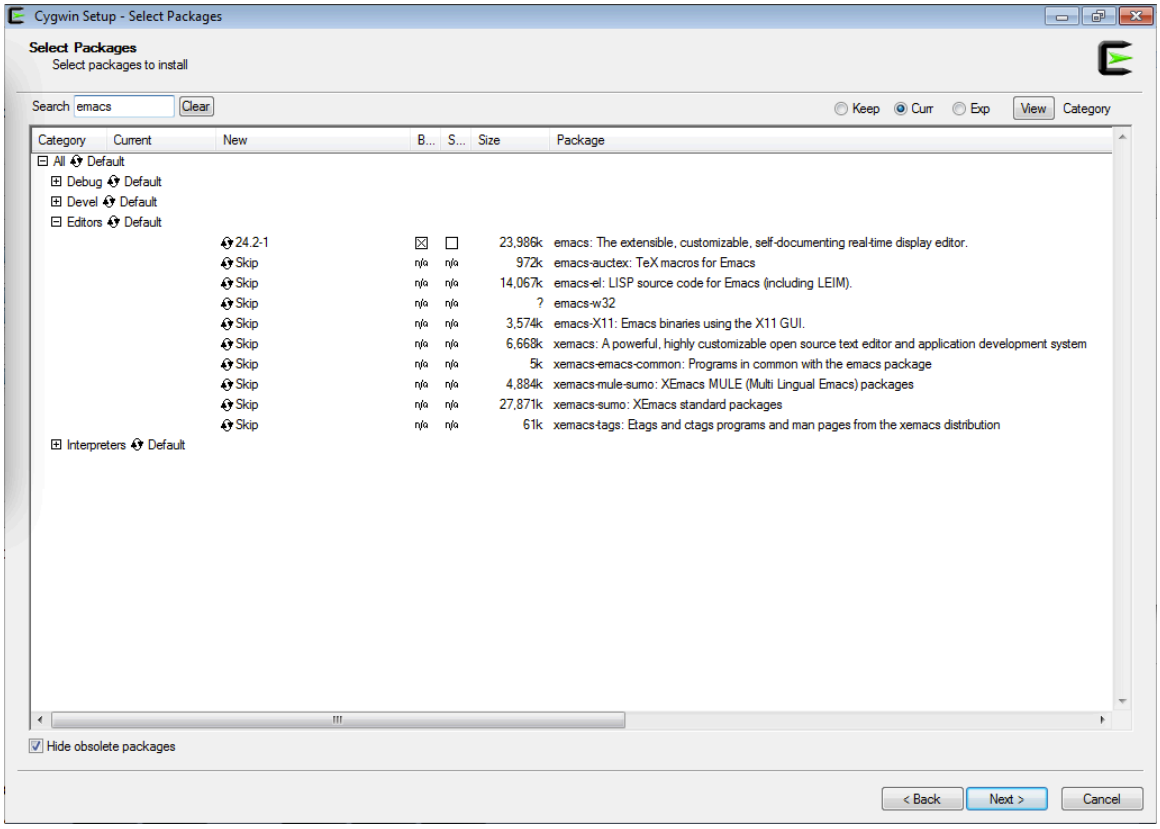

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search inetutils
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Net Default
1.7-2
377k
inetutils: Common networking clients and servers
Hide obsolete packages
< Back
Next >
Cancel

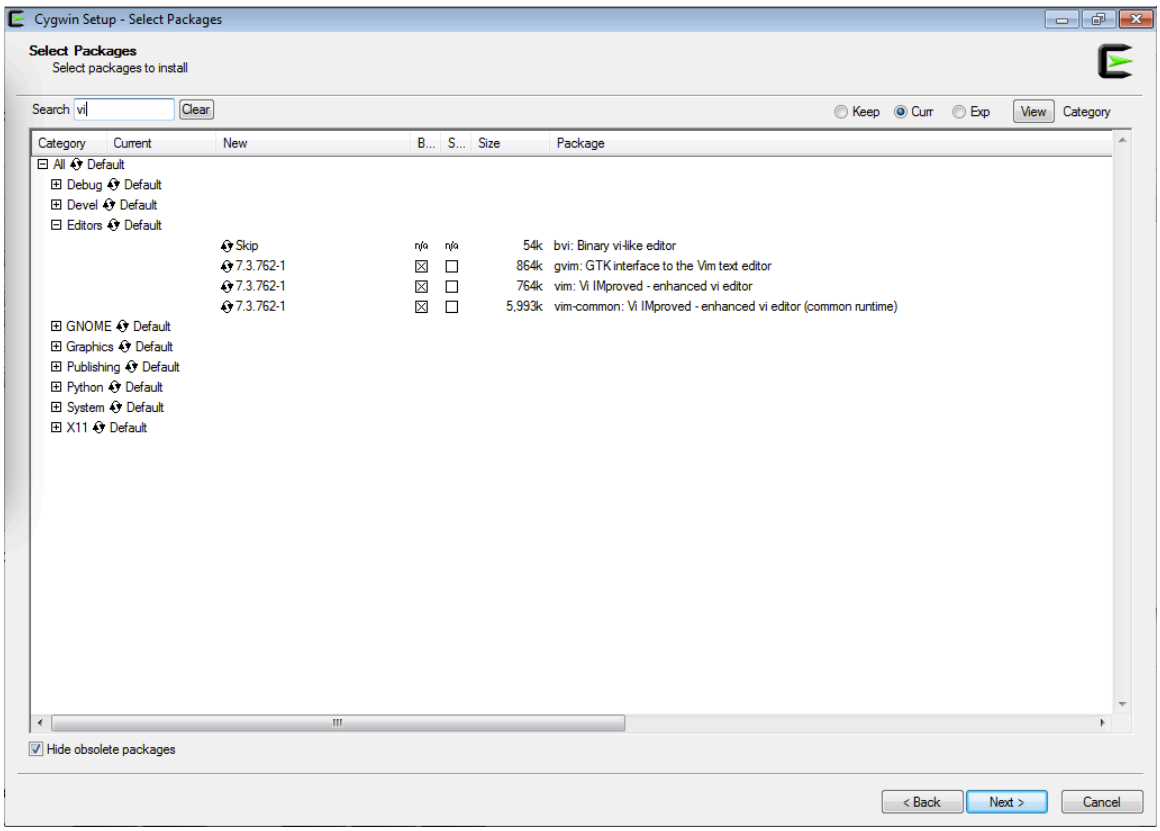

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search octave
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Math Default
3.6.2-1
9,727k
octave: The GNU Octave language for numerical computations
3.6.2-1
1,232k
octave-devel: Header files for the GNU Octave language
3.6.2-1
4,943k
octave-doc: The GNU Octave. Additional docs in html and pdf
20120714-2
8,601k
octave-forge: //octave.sourceforge.net
Hide obsolete packages
< Back
Next >
Cancel

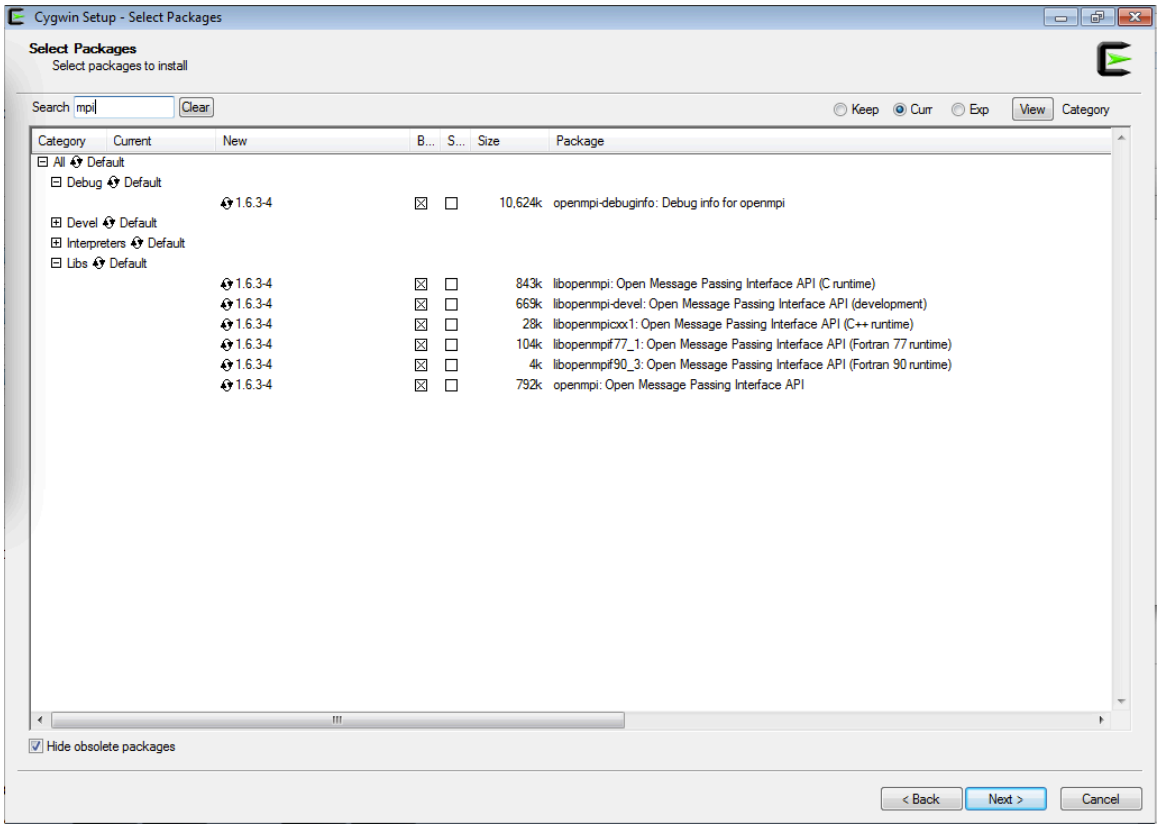

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search gnuplot
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Debug Default
Graphics Default
4.6.0-1
4,162k
gnuplot: A command-line driven interactive function plotting utility
Math Default
Hide obsolete packages
< Back
Next >
Cancel

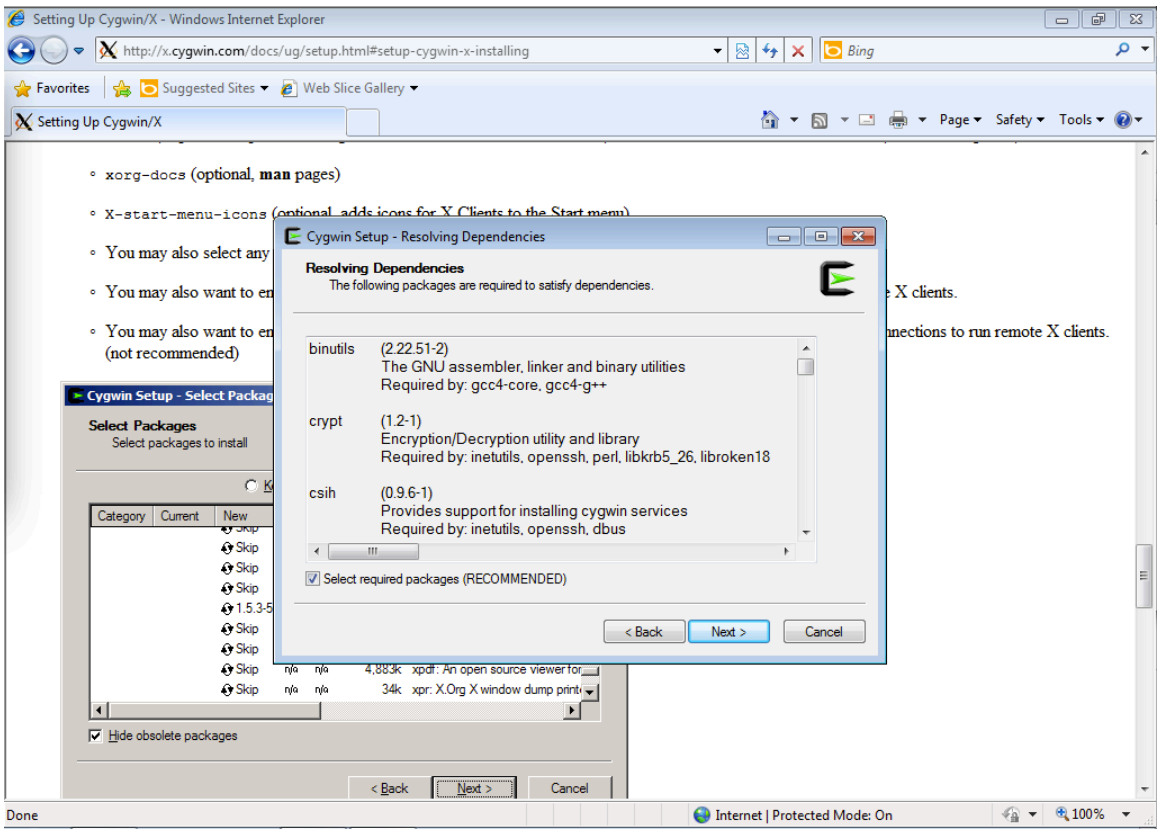

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search gcc
Clear
Keep
Curr
Exp
View
Category
Category
New
B...
S...
Size
Package
All Default
Base Default
Devel Default
Skip n/a n/a 14k colorgcc: Colorizer for GCC warning/error messages
Skip n/a n/a 1k gcc: C compiler upgrade helper
Skip n/a n/a 6,706k gcc-ada: Ada compiler
Skip n/a n/a 3,630k gcc-core: C compiler
Skip n/a n/a 7,829k gcc-g++: C++ compiler
Skip n/a n/a 1,976k gcc-g77: Fortran compiler
Skip n/a n/a 2,181k gcc-gdc: D compiler
Skip n/a n/a 2,426k gcc-gpc: GNU Pascal compiler
Skip n/a n/a 11,731k gcc-java: Java compiler
Skip n/a n/a 1k gcc-mingw: Mingw32 GCC compiler upgrade helper
Skip n/a n/a 2,325k gcc-mingw-ada: Mingw32 support headers and libraries for GCC Ada
Skip n/a n/a 41k gcc-mingw-core: Mingw32 support headers and libraries for GCC
Skip n/a n/a 779k gcc-mingw-g++: Mingw32 support headers and libraries for GCC C++
Skip n/a n/a 51k gcc-mingw-g77: Mingw32 support headers and libraries for GCC Fortran
Skip n/a n/a 196k gcc-mingw-gdc: Mingw32 support headers and libraries for GCC D compiler
Skip n/a n/a 2,502k gcc-mingw-java: Mingw32 support headers and libraries for GCC Java
Skip n/a n/a 45k gcc-mingw-objc: Mingw32 support headers and libraries for GCC ObjC
Skip n/a n/a 1,509k gcc-objc: ObjC compiler
Skip n/a n/a ? gcc-testsuite: GCC testsuite sources
Skip n/a n/a 426k gcc-tools-epoch1-autoconf: (gcc-special) automatic configure script builder
Skip n/a n/a 418k gcc-tools-epoch1-automake: (gcc-special) a tool for generating GNU-compliant Makefiles
Skip n/a n/a 713k gcc-tools-epoch2-autoconf: (gcc-special) automatic configure script builder
Skip n/a n/a 578k gcc-tools-epoch2-automake: (gcc-special) a tool for generating GNU-compliant Makefiles
4.5.3-3 1k gcc4: GCC Release series 4 compiler (C & C++ install helper)
Skip n/a n/a 14,443k gcc4-ada: Ada (GNAT) subpackage
Hide obsolete packages
< Back
Next >
Cancel

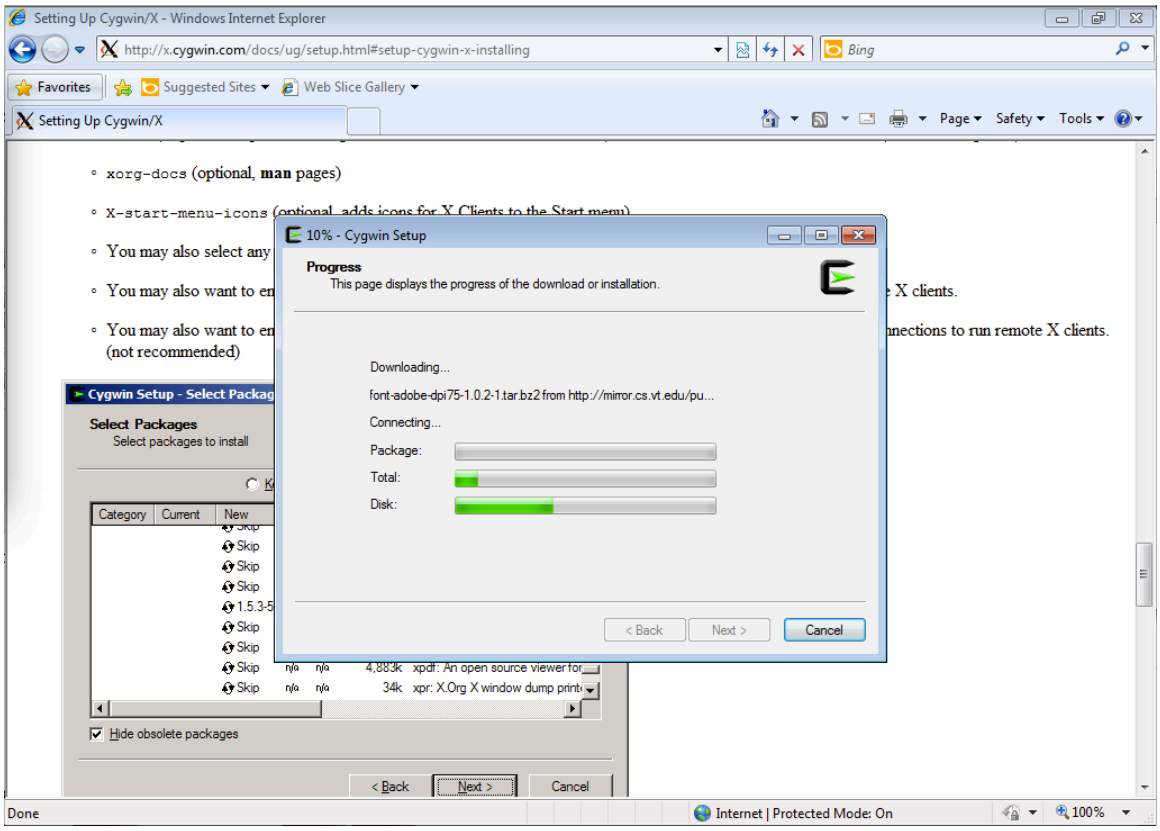

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search nano
Clear
Keep
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
All Default
Editors Default
2.2.5-1
434k
nano: A pico clone text editor with extensions
Hide obsolete packages
< Back
Next >
Cancel

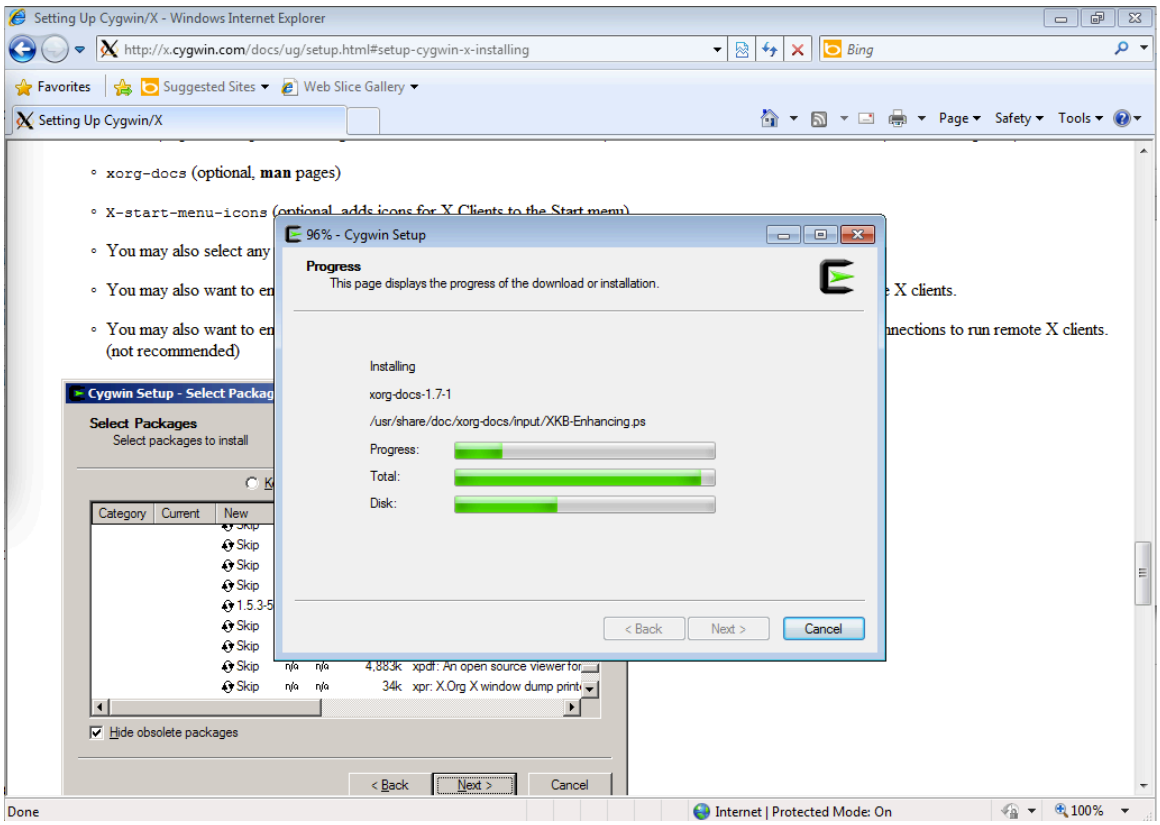

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search emacs
Clear
Keep
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
All Default
Debug Default
Devel Default
Editors Default
24.2-1
23,986k
emacs: The extensible, customizable, self-documenting real-time display editor.
Skip
n/a
n/a
972k
emacs-auctex: TeX macros for Emacs
Skip
n/a
n/a
14,067k
emacs-el: LISP source code for Emacs (including LEIM).
Skip
n/a
n/a
?
emacs-w32
Skip
n/a
n/a
3,574k
emacs-X11: Emacs binaries using the X11 GUI.
Skip
n/a
n/a
6,668k
xemacs: A powerful, highly customizable open source text editor and application development system
Skip
n/a
n/a
5k
xemacs-emacs-common: Programs in common with the emacs package
Skip
n/a
n/a
4,884k
xemacs-mule-sumo: XEmacs MULE (Multi Lingual Emacs) packages
Skip
n/a
n/a
27,871k
xemacs-sumo: XEmacs standard packages
Skip
n/a
n/a
61k
xemacs-tags: Etags and ctags programs and man pages from the xemacs distribution
Interpreters Default
Hide obsolete packages
< Back
Next >
Cancel

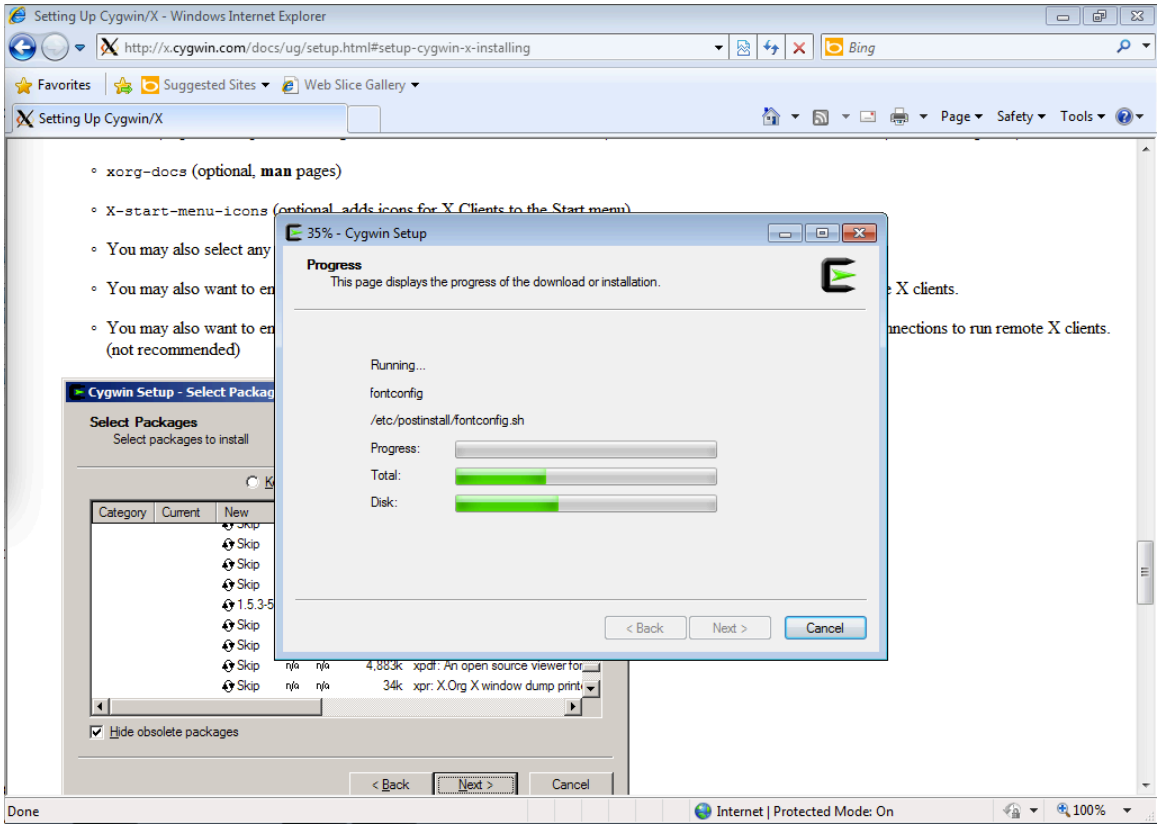

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search vi
Clear
Keep
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
All Default
Debug Default
Devel Default
Editors Default
Skip
n/a
n/a
54k
bvi: Binary vi-like editor
7.3.762-1
864k
gvim: GTK interface to the Vim text editor
7.3.762-1
764k
vim: Vi IMproved - enhanced vi editor
7.3.762-1
5,993k
vim-common: Vi IMproved - enhanced vi editor (common runtime)
GNOME Default
Graphics Default
Publishing Default
Python Default
System Default
X11 Default
Hide obsolete packages
< Back
Next >
Cancel

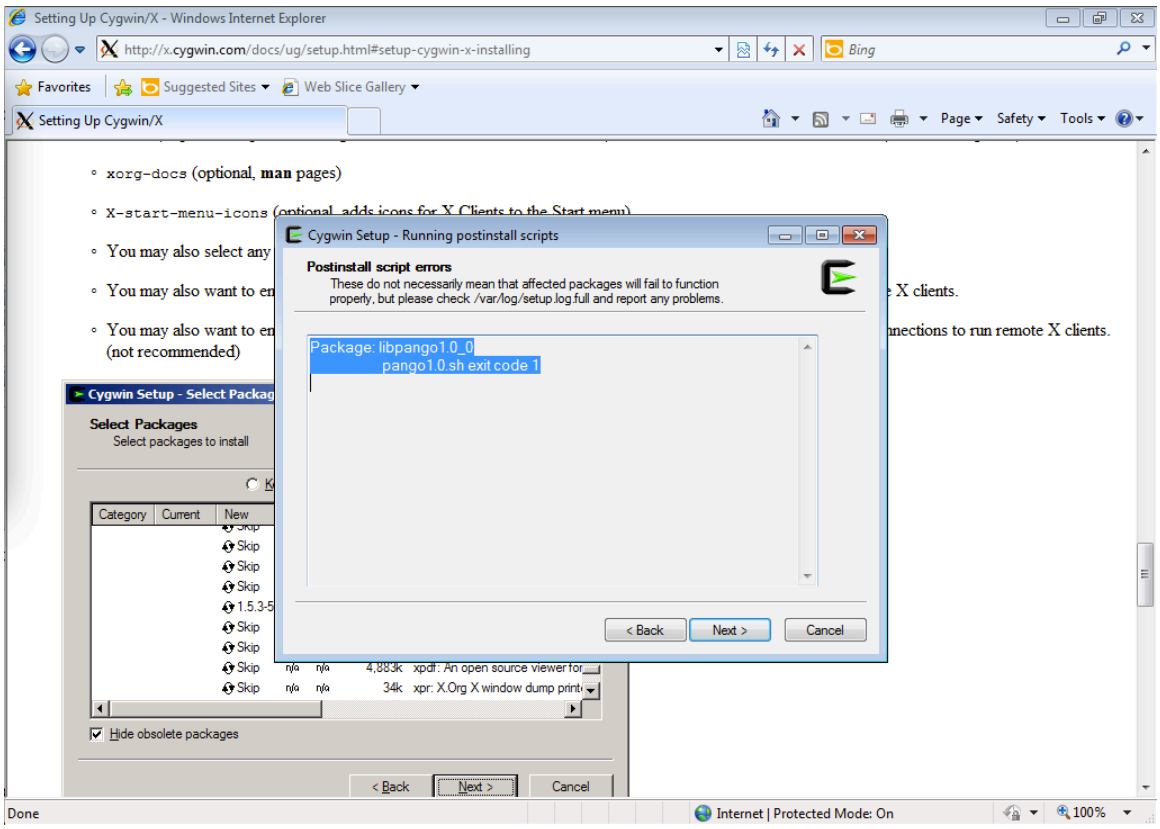

Cygwin Setup - Select Packages
Select Packages
Select packages to install
Search mpi
Clear
Keep
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
All Default
Debug Default
1.6.3-4
10,624k
openmpi-debuginfo: Debug info for openmpi
Devel Default
Interpreters Default
Libs Default
1.6.3-4
843k
libopenmpi: Open Message Passing Interface API (C runtime)
1.6.3-4
669k
libopenmpi-devel: Open Message Passing Interface API (development)
1.6.3-4
28k
libopenmpicxx1: Open Message Passing Interface API (C++ runtime)
1.6.3-4
104k
libopenmpif77_1: Open Message Passing Interface API (Fortran 77 runtime)
1.6.3-4
4k
libopenmpif90_3: Open Message Passing Interface API (Fortran 90 runtime)
1.6.3-4
792k
openmpi: Open Message Passing Interface API
Hide obsolete packages
< Back
Next >
Cancel

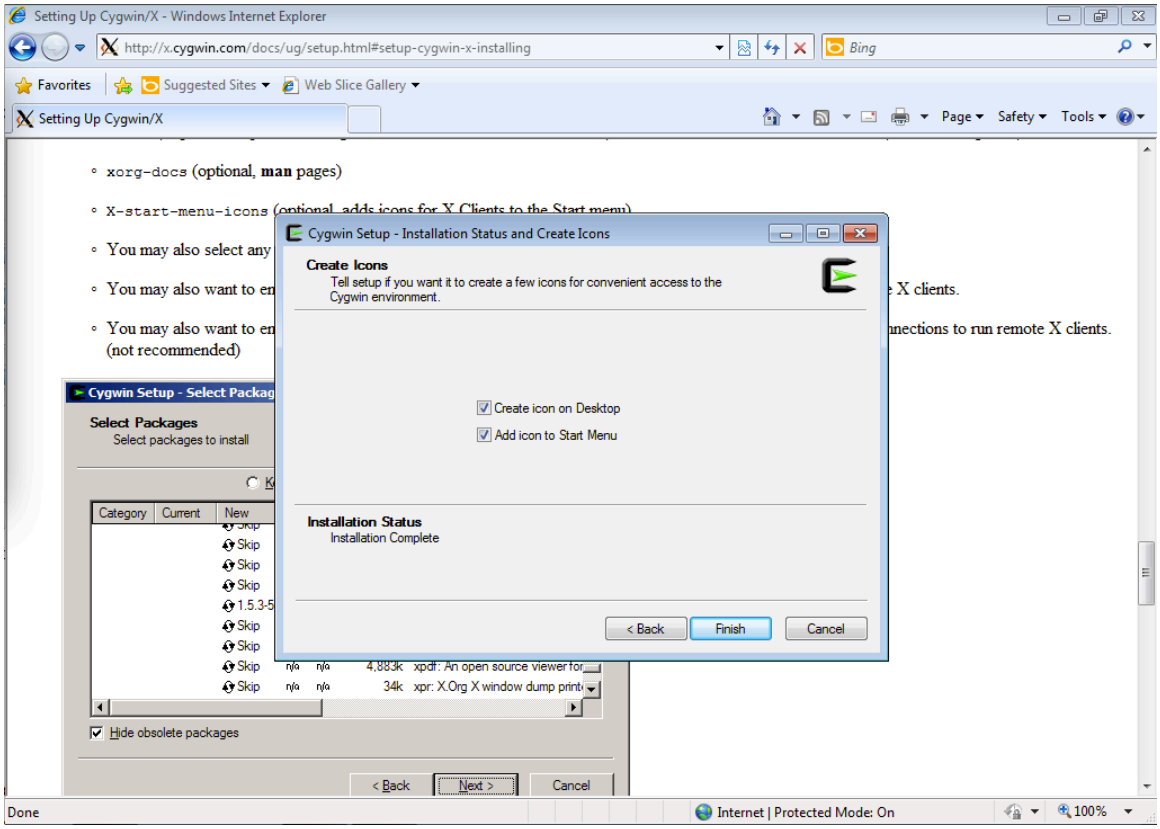

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Setting Up Cygwin/X
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
You may also want to en
(not recommended)
Cygwin Setup - Resolving Dependencies
Resolving Dependencies
The following packages are required to satisfy dependencies.
binutils (2.22.51-2)
The GNU assembler, linker and binary utilities
Required by: gcc4-core, gcc4-g++
crypt (1.2-1)
Encryption/Decryption utility and library
Required by: inetutils, openssh, perl, libkrb5_26, libroken18
csih (0.9.6-1)
Provides support for installing cygwin services
Required by: inetutils, openssh, dbus
Select required packages (RECOMMENDED)
< Back
Next >
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Hide obsolete packages
Done
Internet | Protected Mode: On
100%

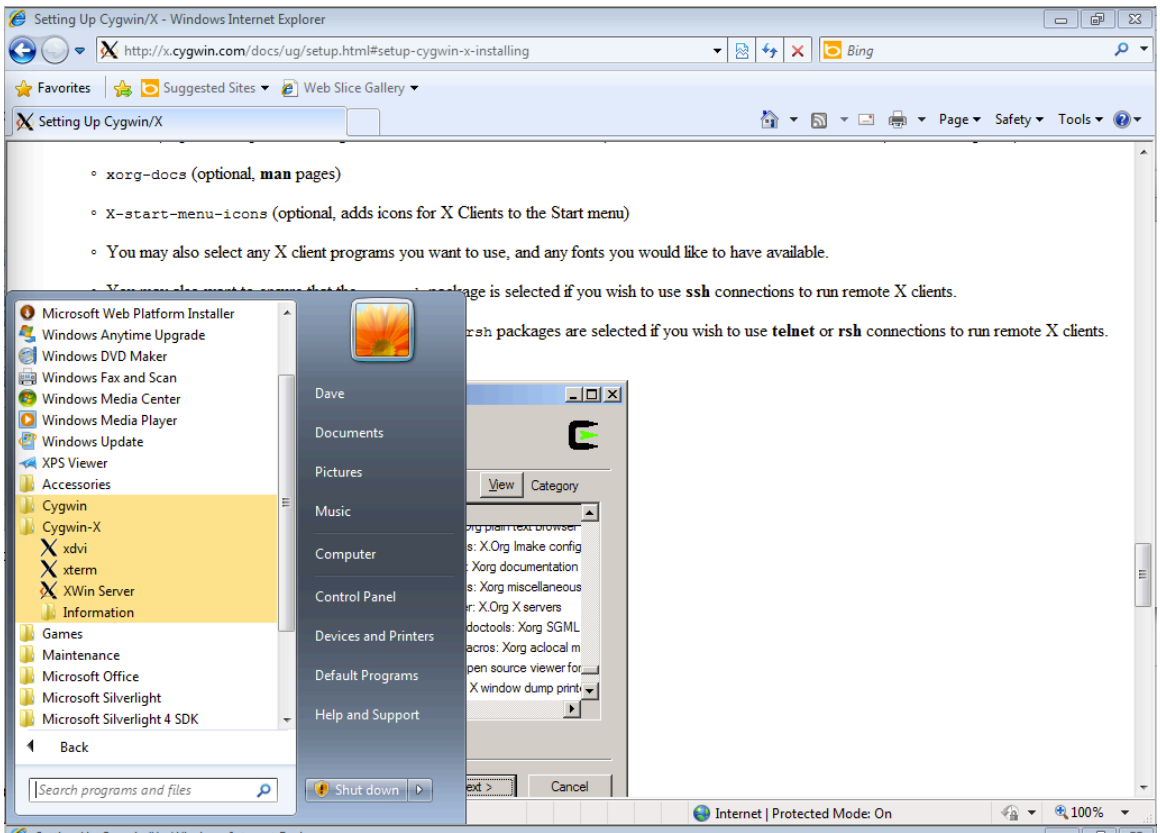

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Setting Up Cygwin/X
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
You may also want to en
(not recommended)
10% - Cygwin Setup
Progress
This page displays the progress of the download or installation.
Downloading...
font-adobe-dpi75-1.0.2-1.tar.bz2 from http://mirror.cs.vt.edu/pu...
Connecting...
Package:
Total:
Disk:
< Back
Next >
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Hide obsolete packages
Done
Internet | Protected Mode: On
100%

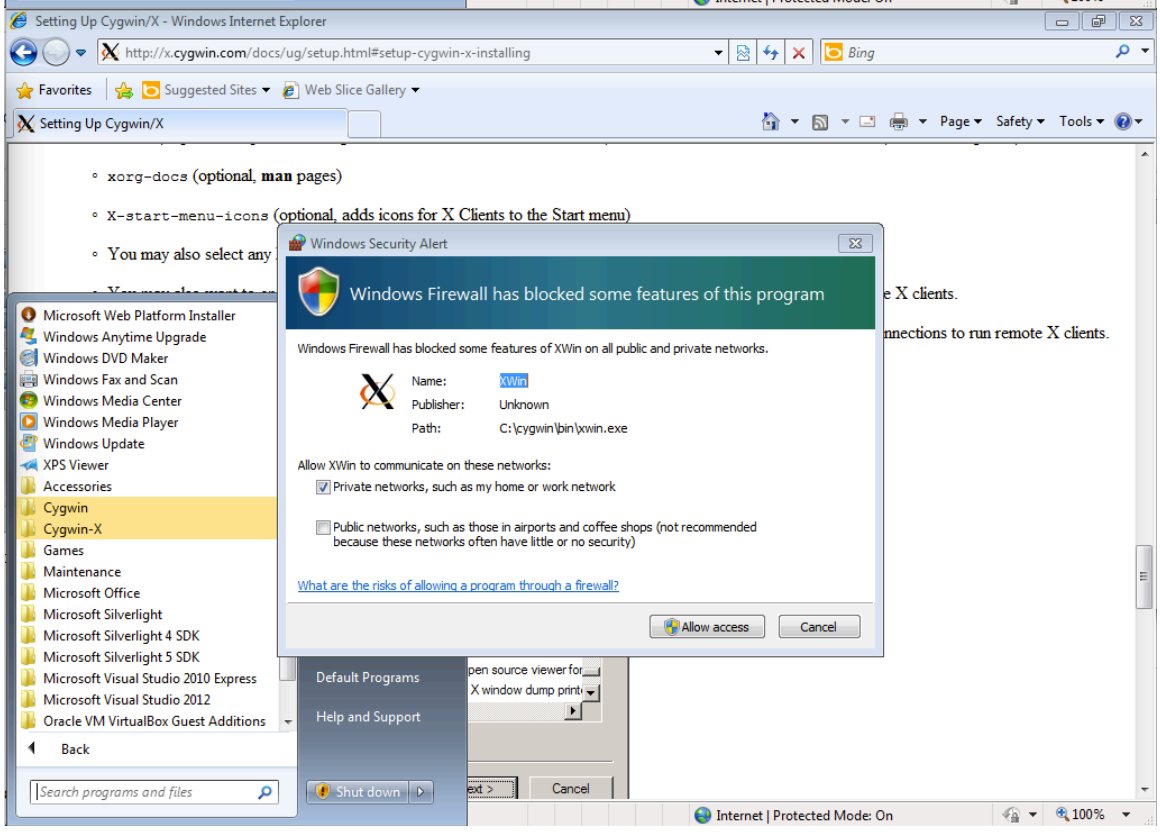

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Setting Up Cygwin/X
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
You may also want to en
(not recommended)
X clients.
nections to run remote X clients.
96% - Cygwin Setup
Progress
This page displays the progress of the download or installation.
Installing
xorg-docs-1.7-1
/usr/share/doc/xorg-docs/input/XKB-Enhancing.ps
Progress:
Total:
Disk:
< Back
Next >
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Hide obsolete packages
Done
Internet | Protected Mode: On
100%

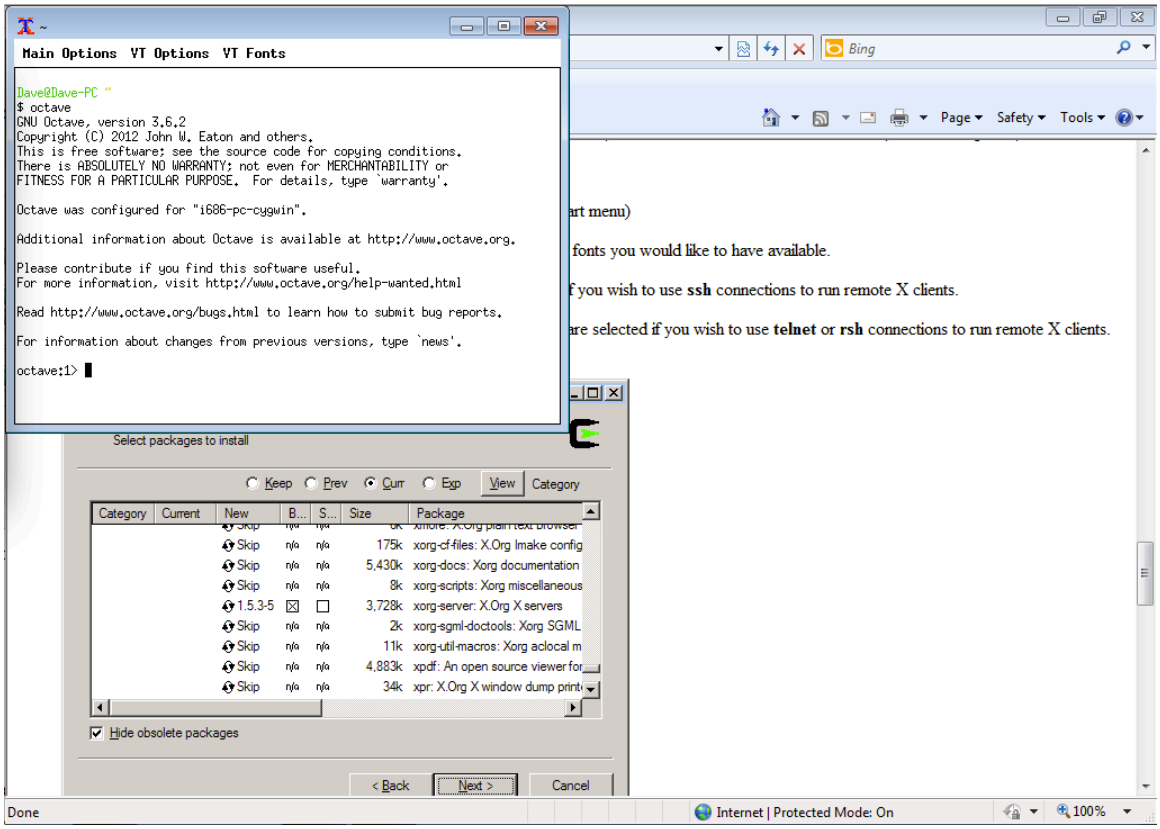

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Setting Up Cygwin/X
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
You may also want to en
(not recommended)
X clients.
nections to run remote X clients.
35% - Cygwin Setup
Progress
This page displays the progress of the download or installation.
Running...
fontconfig
/etc/postinstall/fontconfig.sh
Progress:
Total:
Disk:
< Back
Next >
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Hide obsolete packages
Done
Internet | Protected Mode: On
100%

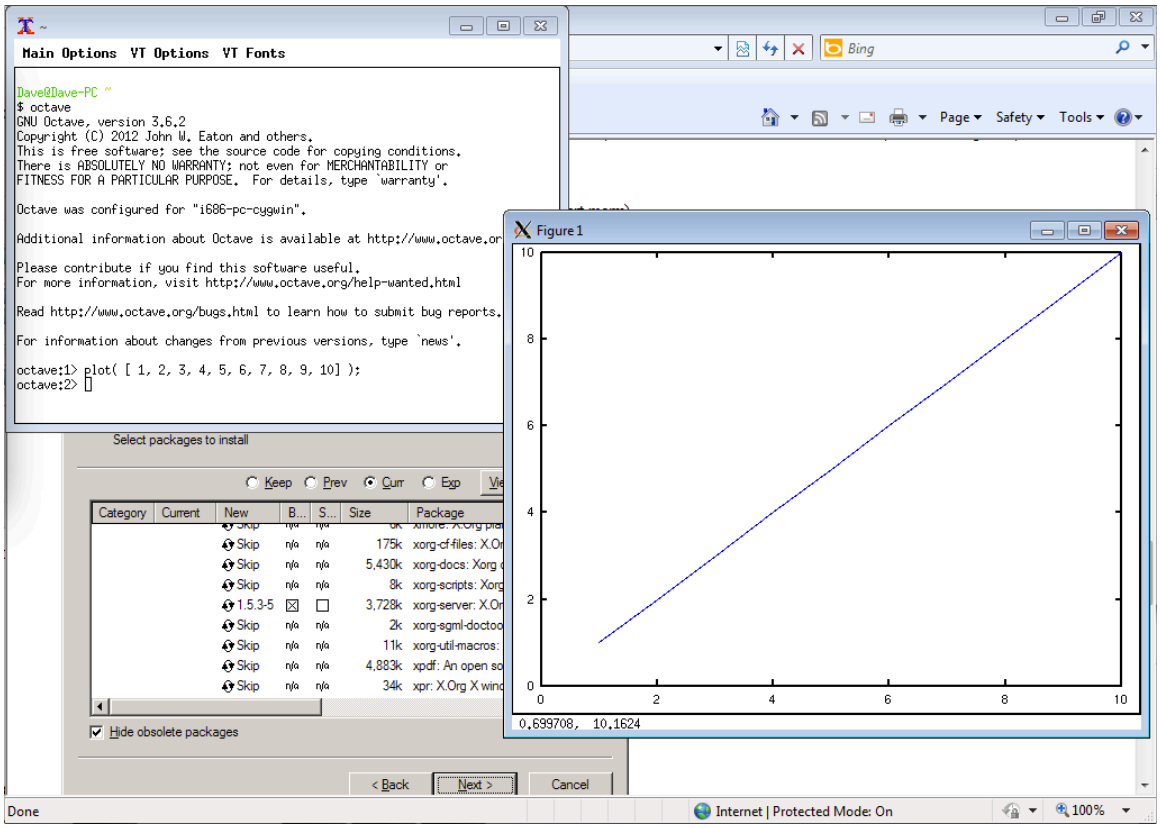

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
X clients.
You may also want to en
nections to run remote X clients.
(not recommended)
Cygwin Setup - Running postinstall scripts
Postinstall script errors
These do not necessarily mean that affected packages will fail to function properly, but please check /var/log/setup.log.full and report any problems.
Package: libpango1.0_0
pango1.0.sh exit code 1
< Back
Next >
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Skip
1.5.3-5
4,883k xpdf: An open source viewer for
34k xpr: X.Org X window dump print
Hide obsolete packages
< Back
Next >
Cancel
Done
Internet | Protected Mode: On
100%

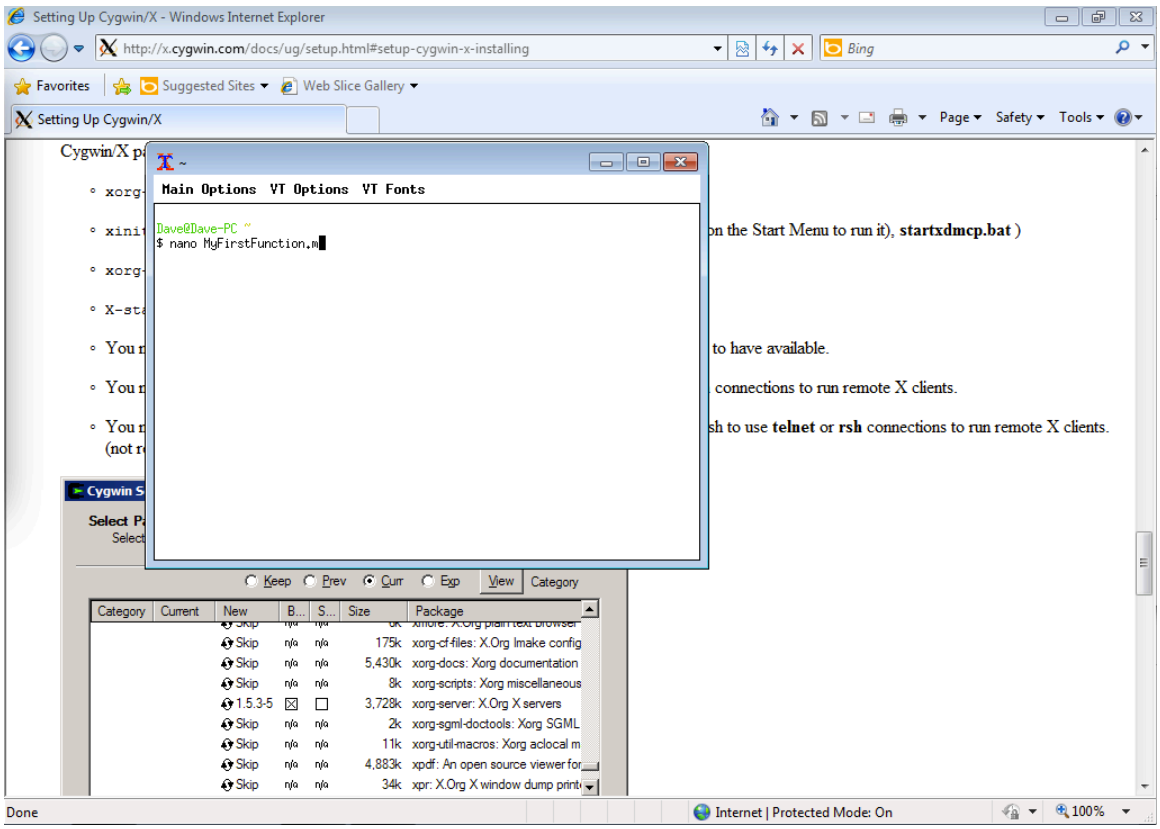

Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
You may also want to en
X clients.
You may also want to en
nections to run remote X clients.
(not recommended)
Cygwin Setup - Installation Status and Create Icons
Create Icons
Tell setup if you want it to create a few icons for convenient access to the Cygwin environment.
Create icon on Desktop
Add icon to Start Menu
Installation Status
Installation Complete
< Back
Finish
Cancel
Cygwin Setup - Select Packag
Select Packages
Select packages to install
Category
Current
New
Skip
1.5.3-5
4,883k xpdf: An open source viewer for
34k xpr: X.Org X window dump print
Hide obsolete packages
< Back
Next >
Cancel
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any X client programs you want to use, and any fonts you would like to have available.
ssh packages are selected if you wish to use ssh connections to run remote X clients.
rsh packages are selected if you wish to use telnet or rsh connections to run remote X clients.
Microsoft Web Platform Installer
Windows Anytime Upgrade
Windows DVD Maker
Windows Fax and Scan
Windows Media Center
Windows Media Player
Windows Update
XPS Viewer
Accessories
Cygwin
Cygwin-X
xdvi
xterm
XWin Server
Information
Games
Maintenance
Microsoft Office
Microsoft Silverlight
Microsoft Silverlight 4 SDK
Back
Search programs and files
Dave
Documents
Pictures
Music
Computer
Control Panel
Devices and Printers
Default Programs
Help and Support
Shut down
View
Category
Cancel
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
xorg-docs (optional, man pages)
X-start-menu-icons (optional, adds icons for X Clients to the Start menu)
You may also select any
e X clients.
nnections to run remote X clients.
Windows Security Alert
Windows Firewall has blocked some features of this program
Windows Firewall has blocked some features of XWin on all public and private networks.
Name: XWin
Publisher: Unknown
Path: C:\cygwin\bin\xwin.exe
Allow XWin to communicate on these networks:
Private networks, such as my home or work network
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)
What are the risks of allowing a program through a firewall?
Allow access
Cancel
Microsoft Web Platform Installer
Windows Anytime Upgrade
Windows DVD Maker
Windows Fax and Scan
Windows Media Center
Windows Media Player
Windows Update
XPS Viewer
Accessories
Cygwin
Cygwin-X
Games
Maintenance
Microsoft Office
Microsoft Silverlight
Microsoft Silverlight 4 SDK
Microsoft Silverlight 5 SDK
Microsoft Visual Studio 2010 Express
Microsoft Visual Studio 2012
Oracle VM VirtualBox Guest Additions
Back
Search programs and files
Default Programs
Help and Support
Shut down
Cancel
Internet | Protected Mode: On
100%


Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ octave
GNU Octave, version 3.6.2
Copyright (C) 2012 John W. Eaton and others.
This is free software; see the source code for copying conditions.
There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. For details, type `warranty'.
Octave was configured for "i686-pc-cygwin".
Additional information about Octave is available at http://www.octave.org.
Please contribute if you find this software useful.
For more information, visit http://www.octave.org/help-wanted.html
Read http://www.octave.org/bugs.html to learn how to submit bug reports.
For information about changes from previous versions, type `news'.
octave:1>
Select packages to install
Keep Prev Curr Exp View Category
Category Current New B... S... Size Package
Hide obsolete packages
< Back Next > Cancel
Done
Internet | Protected Mode: On
100%


Main Options VT Options VT Fonts
octave:1> plot([1, 2, 3, 4, 5, 6, 7, 8, 9, 10]);
octave:2>
Figure 1
0.699708, 10.1624
Select packages to install
Hide obsolete packages
< Back Next > Cancel
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Bing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
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Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ nano MyFirstFunction.m
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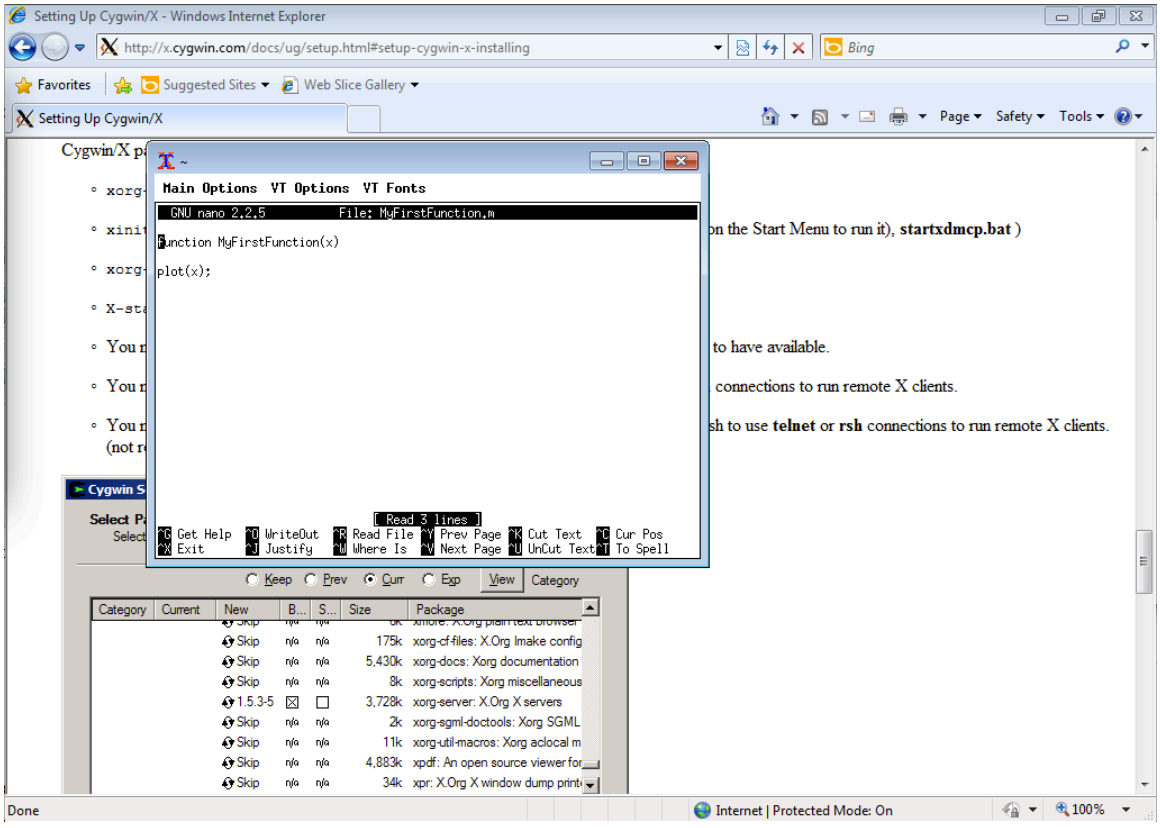
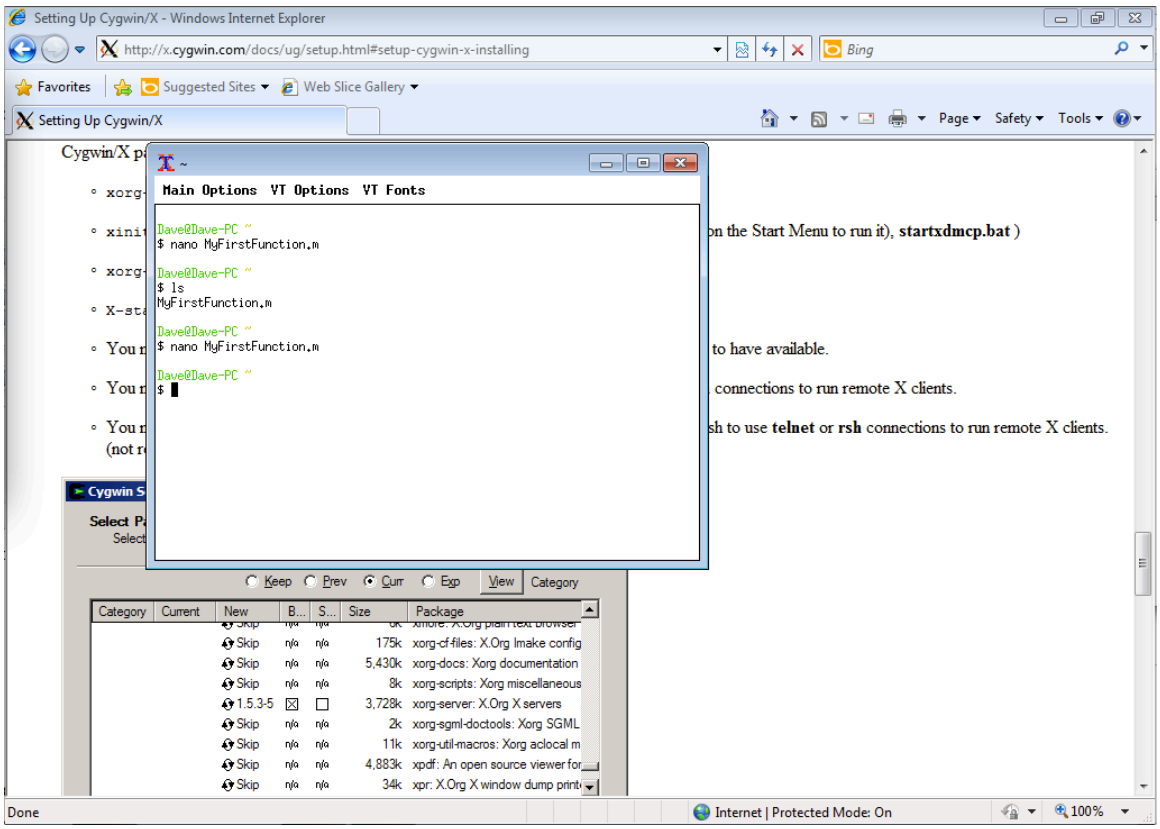
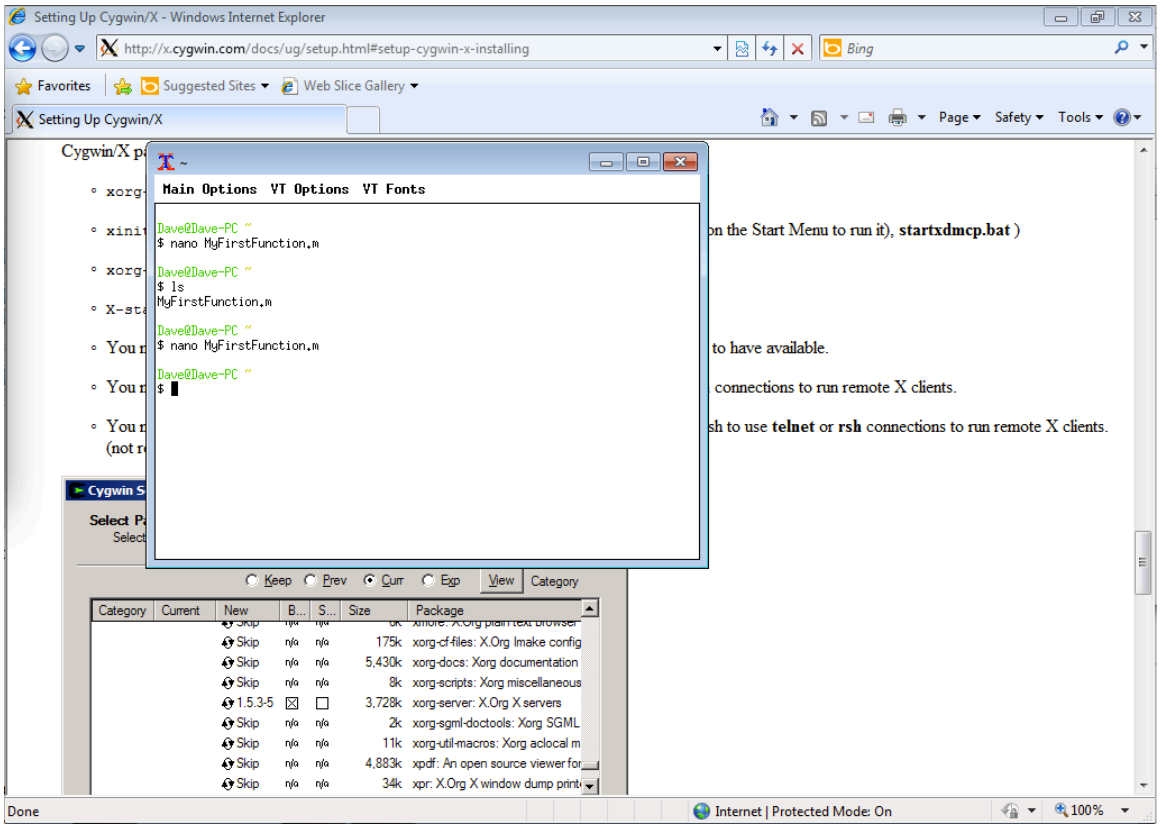
Size
Package
Skip n/a n/a 175k xorg-cf-files: X.Org Imake config
Skip n/a n/a 5,430k xorg-docs: Xorg documentation
Skip n/a n/a 8k xorg-scripts: Xorg miscellaneous
1.5.3-5 3,728k xorg-server: X.Org X servers
Skip n/a n/a 2k xorg-sgml-doctools: Xorg SGML
Skip n/a n/a 11k xorg-util-macros: Xorg aclocal m
Skip n/a n/a 4,883k xpdf: An open source viewer for
Skip n/a n/a 34k xpr: X.Org X window dump print
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Bing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
~
Main Options VT Options VT Fonts
GNU nano 2.2.5 File: MyFirstFunction.m
function MyFirstFunction(x)
plot(x);
[Read 3 lines]
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Keep
Prev
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
Skip n/a n/a 175k xorg-cf-files: X.Org Imake config
Skip n/a n/a 5,430k xorg-docs: Xorg documentation
Skip n/a n/a 8k xorg-scripts: Xorg miscellaneous
1.5.3-5 3,728k xorg-server: X.Org X servers
Skip n/a n/a 2k xorg-sgml-doctools: Xorg SGML
Skip n/a n/a 11k xorg-util-macros: Xorg aclocal m
Skip n/a n/a 4,883k xpdf: An open source viewer for
Skip n/a n/a 34k xpr: X.Org X window dump print
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Bing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
~
Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$ ls
MyFirstFunction.m
Dave@Dave-PC ~
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$
on the Start Menu to run it), startxdmcp.bat)
to have available.
connections to run remote X clients.
sh to use telnet or rsh connections to run remote X clients.
Keep
Prev
Curr
Exp
View
Category
Category
Current
New
B...
S...
Size
Package
Skip n/a n/a 175k xorg-cf-files: X.Org Imake config
Skip n/a n/a 5,430k xorg-docs: Xorg documentation
Skip n/a n/a 8k xorg-scripts: Xorg miscellaneous
1.5.3-5 3,728k xorg-server: X.Org X servers
Skip n/a n/a 2k xorg-sgml-doctools: Xorg SGML
Skip n/a n/a 11k xorg-util-macros: Xorg aclocal m
Skip n/a n/a 4,883k xpdf: An open source viewer for
Skip n/a n/a 34k xpr: X.Org X window dump print
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Bing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
~
Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$ ls
MyFirstFunction.m
Dave@Dave-PC ~
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$
on the Start Menu to run it), startxdmcp.bat)
to have available.
connections to run remote X clients.
sh to use telnet or rsh connections to run remote X clients.
Keep
Prev
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New
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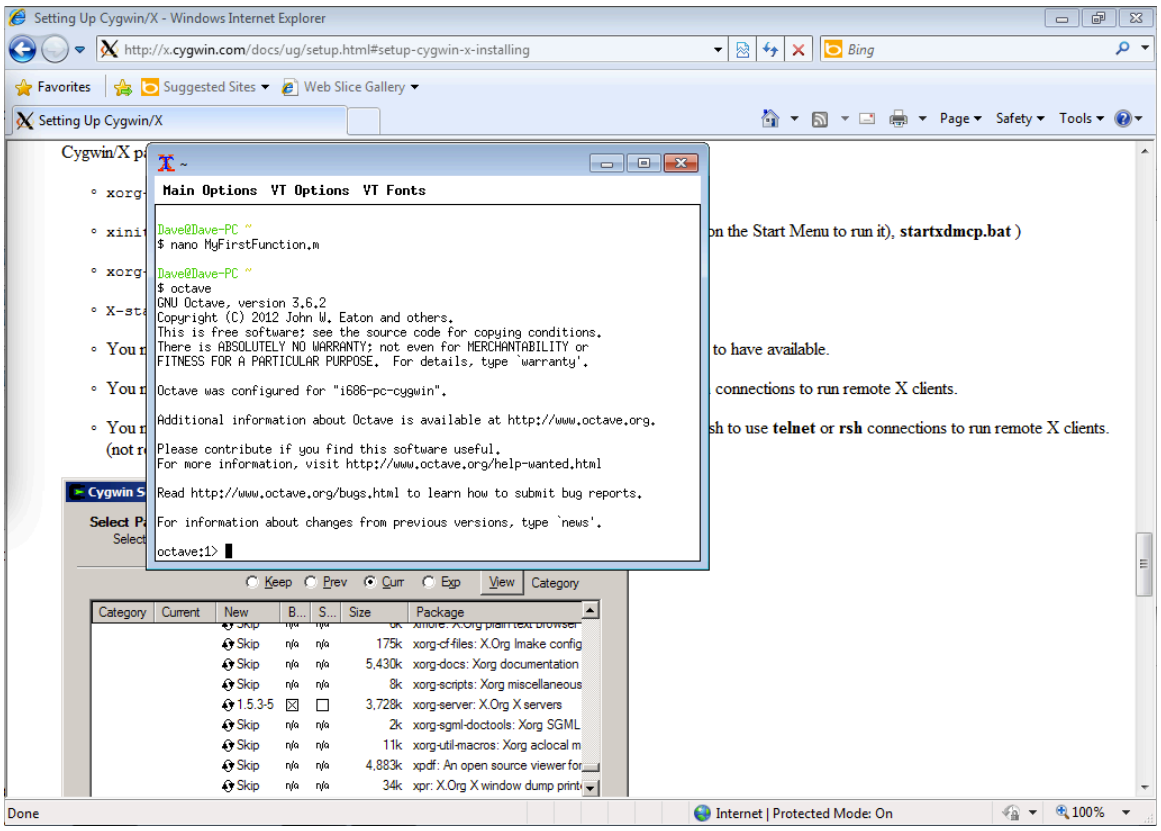
Size
Package
Skip n/a n/a 175k xorg-cf-files: X.Org Imake config
Skip n/a n/a 5,430k xorg-docs: Xorg documentation
Skip n/a n/a 8k xorg-scripts: Xorg miscellaneous
1.5.3-5 3,728k xorg-server: X.Org X servers
Skip n/a n/a 2k xorg-sgml-doctools: Xorg SGML
Skip n/a n/a 11k xorg-util-macros: Xorg aclocal m
Skip n/a n/a 4,883k xpdf: An open source viewer for
Skip n/a n/a 34k xpr: X.Org X window dump print
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
http://x.cygwin.com/docs/ug/setup.html#setup-cygwin-x-installing
Favorites
Suggested Sites
Web Slice Gallery
Setting Up Cygwin/X
Page
Safety
Tools
Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$ octave
GNU Octave, version 3.6.2
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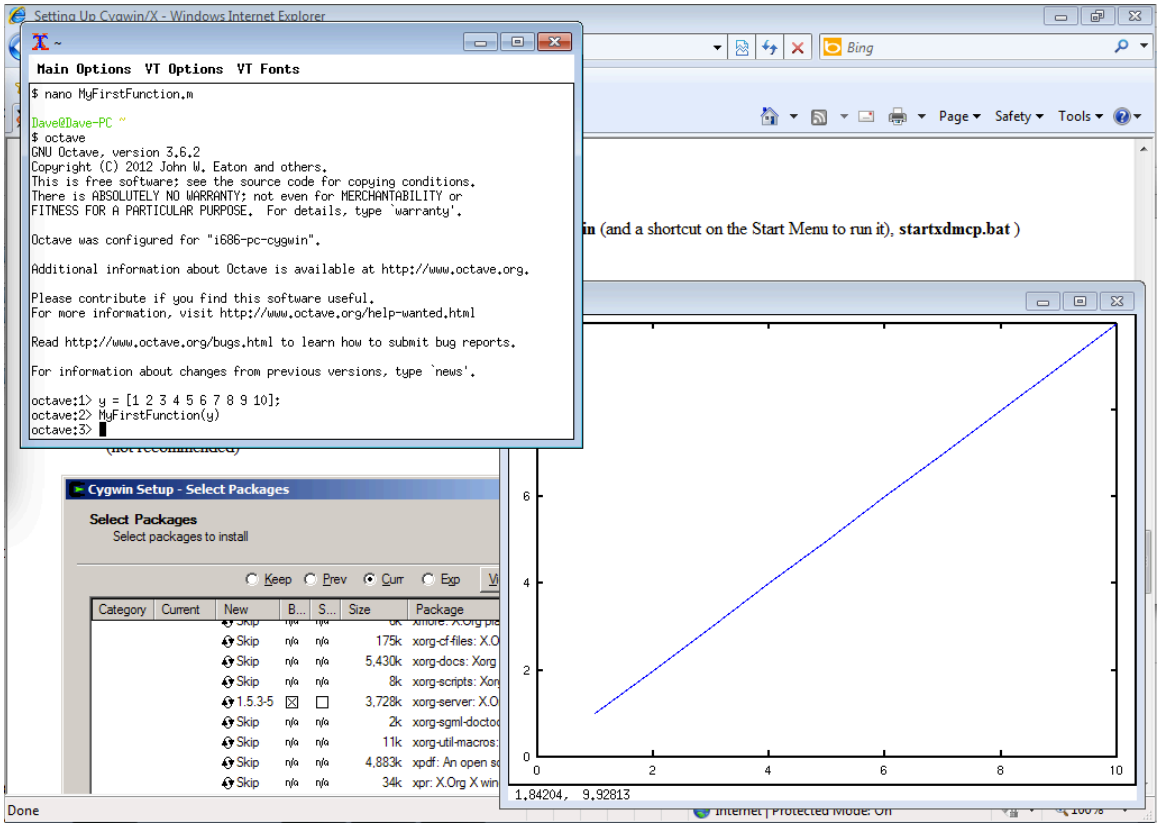
This is free software; see the source code for copying conditions.
There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. For details, type `warranty'.
Octave was configured for "i686-pc-cygwin".
Additional information about Octave is available at http://www.octave.org.
Please contribute if you find this software useful.
For more information, visit http://www.octave.org/help-wanted.html
Read http://www.octave.org/bugs.html to learn how to submit bug reports.
For information about changes from previous versions, type `news'.
octave:1>
Keep
Prev
Curr
Exp
View
Category
Category
Current
New
Size
Package
Done
Internet | Protected Mode: On
100%


Main Options VT Options VT Fonts
$ nano MyFirstFunction.m
Dave@Dave-PC ~
$ octave
GNU Octave, version 3.6.2
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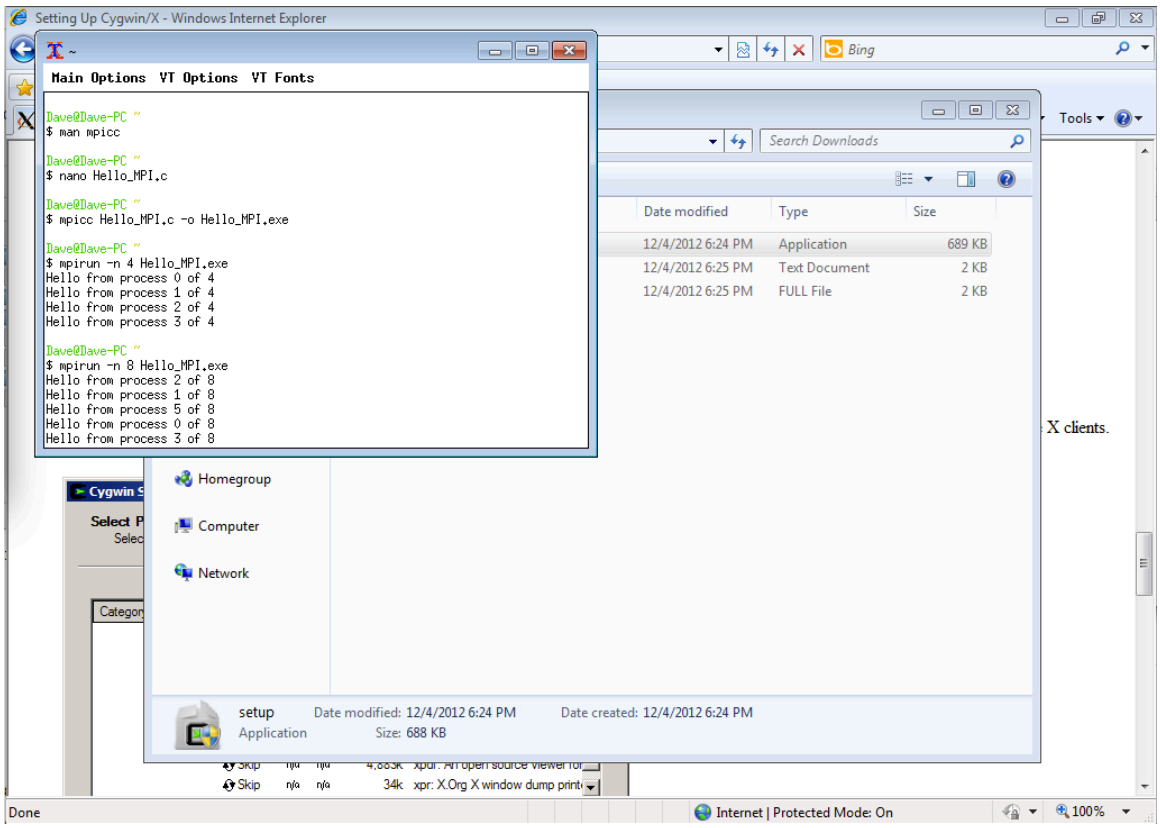
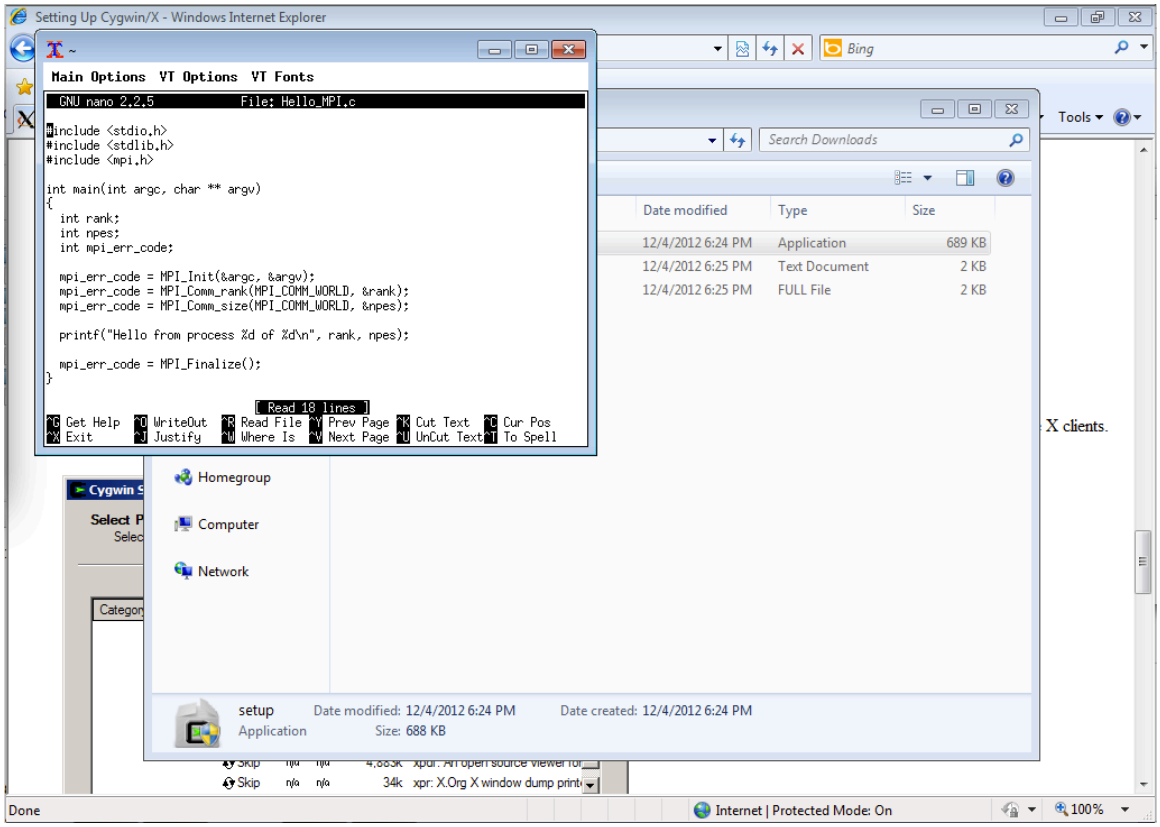
This is free software; see the source code for copying conditions.
There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. For details, type `warranty'.
Octave was configured for "i686-pc-cygwin".
Additional information about Octave is available at http://www.octave.org.
Please contribute if you find this software useful.
For more information, visit http://www.octave.org/help-wanted.html
Read http://www.octave.org/bugs.html to learn how to submit bug reports.
For information about changes from previous versions, type `news'.
octave:1> y = [1 2 3 4 5 6 7 8 9 10];
octave:2> MyFirstFunction(y)
octave:3>
Cygwin Setup - Select Packages
Select Packages
Select packages to install
1,84204, 9,92813


Setting Up Cygwin/X - Windows Internet Explorer
Main Options VT Options VT Fonts
Dave@Dave-PC ~
$ man mpicc
Dave@Dave-PC ~
$ nano Hello_MPI.c
Dave@Dave-PC ~
$ mpicc Hello_MPI.c -o Hello_MPI.exe
Dave@Dave-PC ~
$ mpirun -n 4 Hello_MPI.exe
Hello from process 0 of 4
Hello from process 1 of 4
Hello from process 2 of 4
Hello from process 3 of 4
Dave@Dave-PC ~
$ mpirun -n 8 Hello_MPI.exe
Hello from process 2 of 8
Hello from process 1 of 8
Hello from process 5 of 8
Hello from process 0 of 8
Hello from process 3 of 8
Homegroup
Computer
Network
setup
Application
Date modified: 12/4/2012 6:24 PM
Size: 688 KB
Date created: 12/4/2012 6:24 PM
Date modified
Type
Size
12/4/2012 6:24 PM Application 689 KB
12/4/2012 6:25 PM Text Document 2 KB
12/4/2012 6:25 PM FULL File 2 KB
X clients.
Done
Internet | Protected Mode: On
100%


Setting Up Cygwin/X - Windows Internet Explorer
Main Options VT Options VT Fonts
GNU nano 2.2.5 File: Hello_MPI.c
#include <stdio.h>
#include <stdlib.h>
#include <mpi.h>
int main(int argc, char ** argv)
{
int rank;
int npes;
int mpi_err_code;
mpi_err_code = MPI_Init(&argc, &argv);
mpi_err_code = MPI_Comm_rank(MPI_COMM_WORLD, &rank);
mpi_err_code = MPI_Comm_size(MPI_COMM_WORLD, &npes);
printf("Hello from process %d of %d\n", rank, npes);
mpi_err_code = MPI_Finalize();
}
[Read 18 lines]
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Homegroup
Computer
Network
setup
Application
Date modified: 12/4/2012 6:24 PM
Size: 688 KB
Date created: 12/4/2012 6:24 PM
Date modified
Type
Size
12/4/2012 6:24 PM Application 689 KB
12/4/2012 6:25 PM Text Document 2 KB
12/4/2012 6:25 PM FULL File 2 KB
X clients.
Done
Internet | Protected Mode: On
100%