

Cygin Installation Guide

Overview

Cygin is a Linux-like environment for Windows. Matrix 500 comes with a Cygin GNU cross compiler to work under Cygin for Windows user who do not want to install complete Linux OS in his computer and would like to develop application under Cygin.

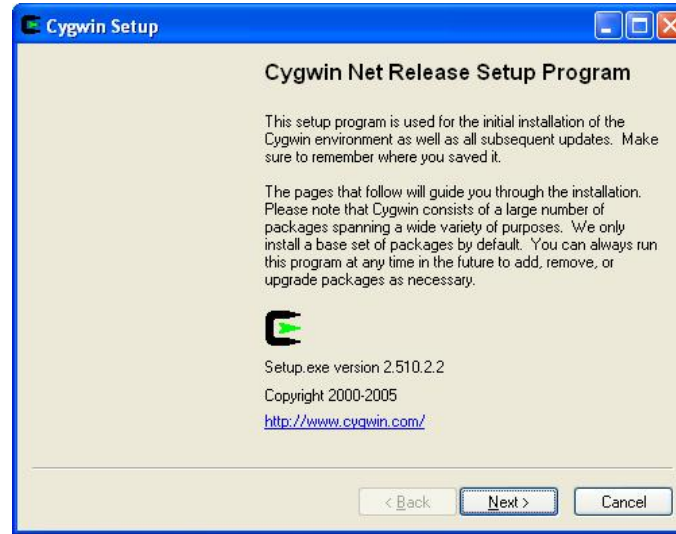
Software package

1. Artila CD Path: \\Matrix 500\cygin\cygin.zip: zipped Cygin installation program
2. Artila CD Path:\\Matrix 500\cygin\arm-linux-cygin.zip: zipped cross compiler for cygin

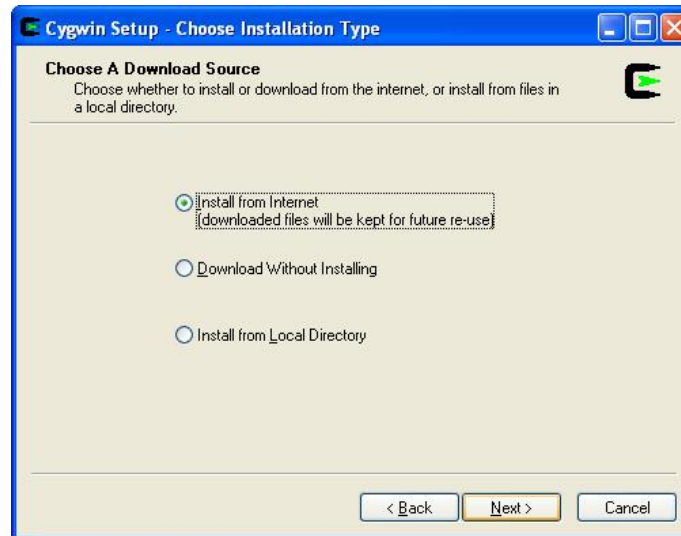
Install Cygin

1. If you already install the Cygin in your computer, you can skip this installation and go to cross compiler installation section.
2. To install the Cygin, please unzip the Cygin installation program to your computer first. Please make sure the installation program is unzipped to C:\

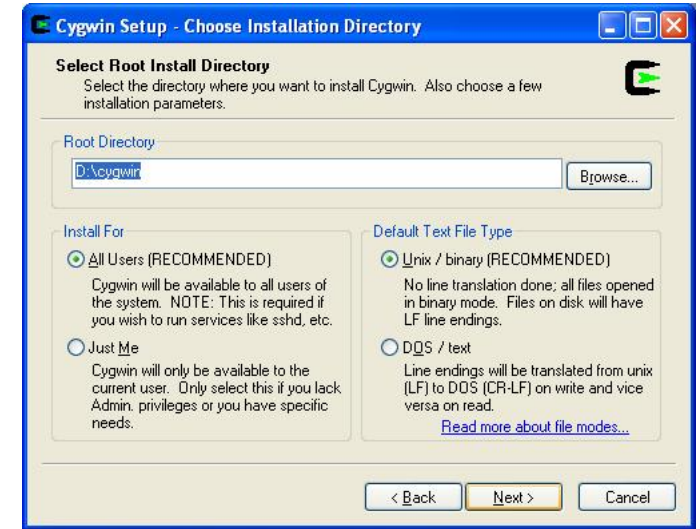
3. After cygin.zip is unzipped to C:\ , you can find c:\cygin folder is created. Please click setup icon to install the cygin to your computer



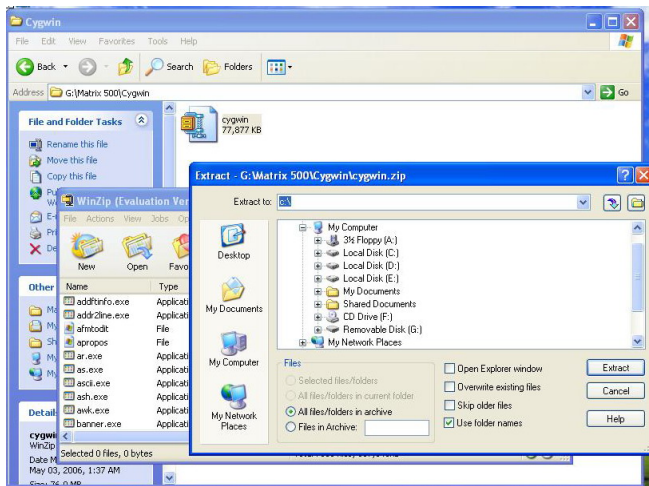
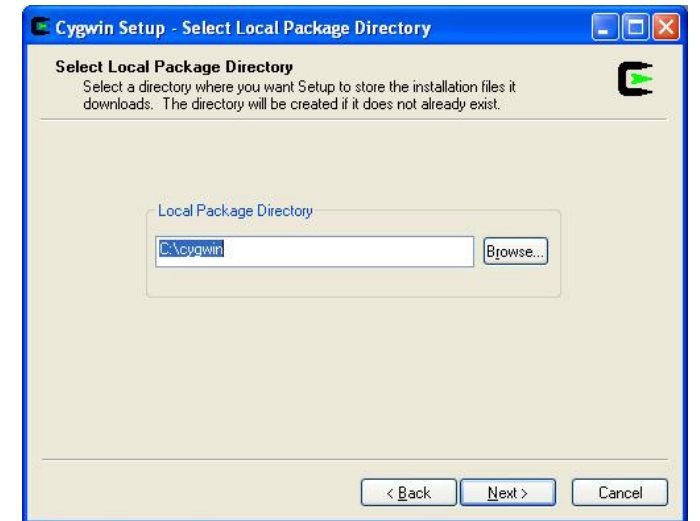
4. click the installation from Internet option



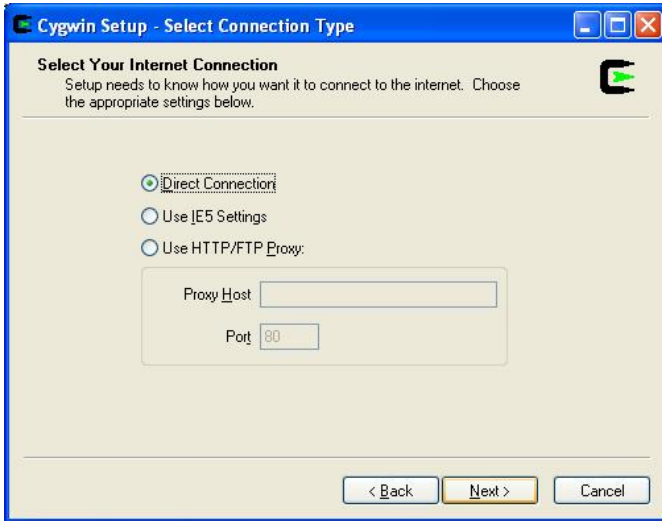
5. Select the cygin directory c:\cygin and click next



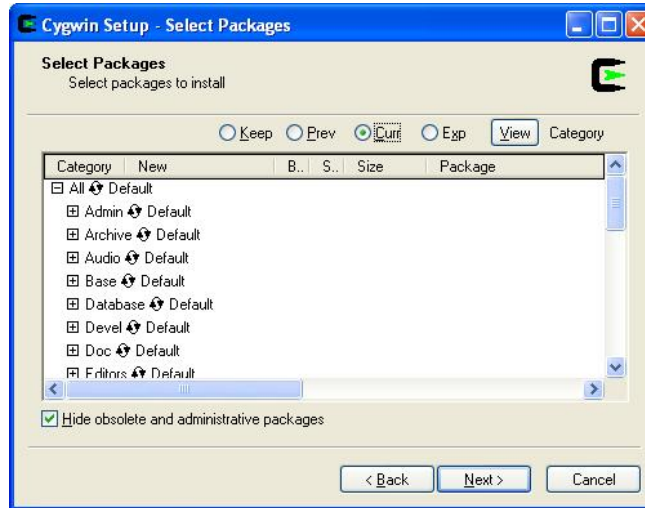
6. Click next to continue



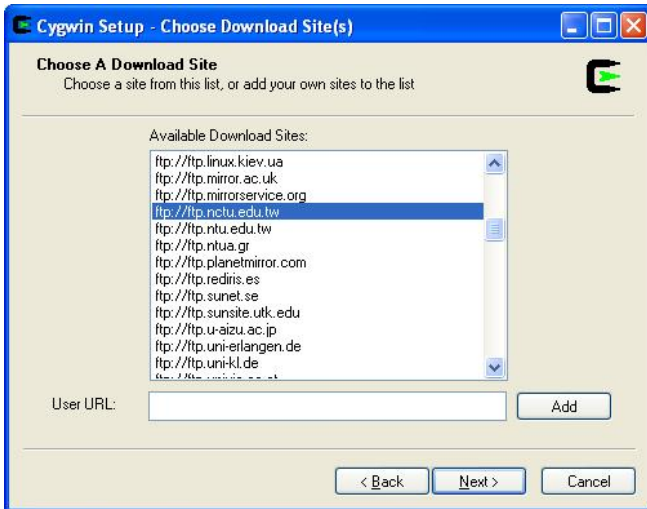
7. Select your Internet connection



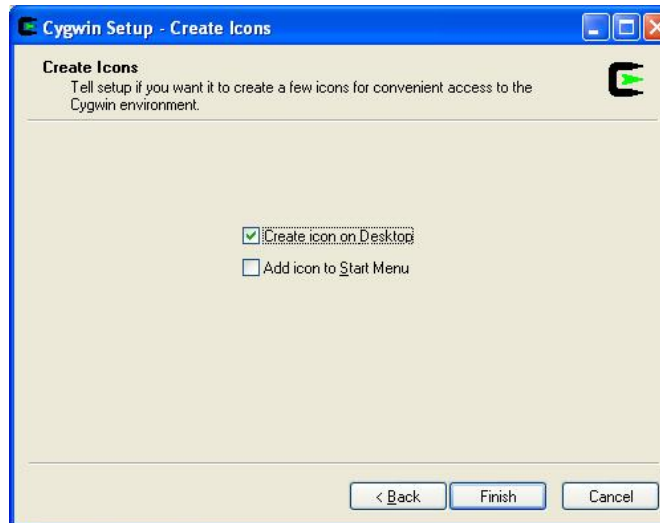
9. Click next button to install the default packages



8. Choose a download site from Internet



10. Click finish to complete the installation.

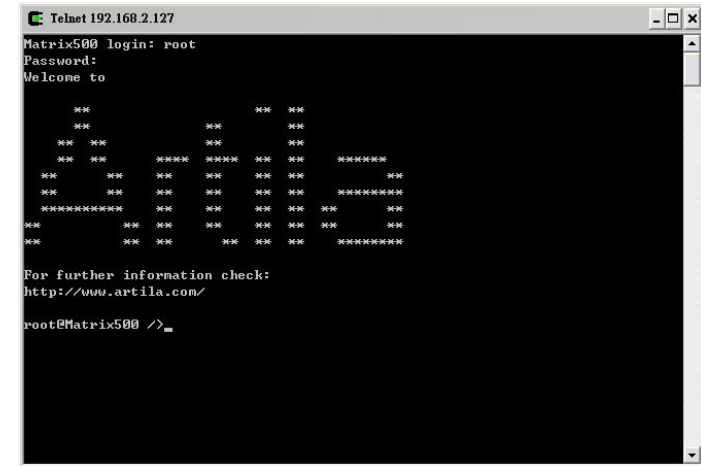


Install GNU cross compiler for Cygwin

To install the cross compiler for Cygwin, please unzip \\arm-linux-cygwin.zip to C:\cygwin. Two directories, \home and \usr will be created. There are many example programs are available under \home\matrix500\examples. You can try to compile the example using the cross compiler for Cygwin.

Start Cygwin

Click the cygwin icon to start the cygwin program. Then you will find a Linux like windows appear. Now you can telnet Matrix 500's IP to connect it.



To compile the example program, simple use the Makefile of the example program and type *make clean* to clean the execution file that had been built and then type *make* to compile the new execution file

