

GNU X-Tools Embedded Toolsuite 2.0 on CYGWIN 1.2.0

Abstract

This document describes steps which are necessary to use GNU PPC compiler with Tessy. The description assumes that GNU X-Tools Embedded Toolsuite 2.0 has already been installed. You need local administrator privileges to perform these steps.

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Introduction

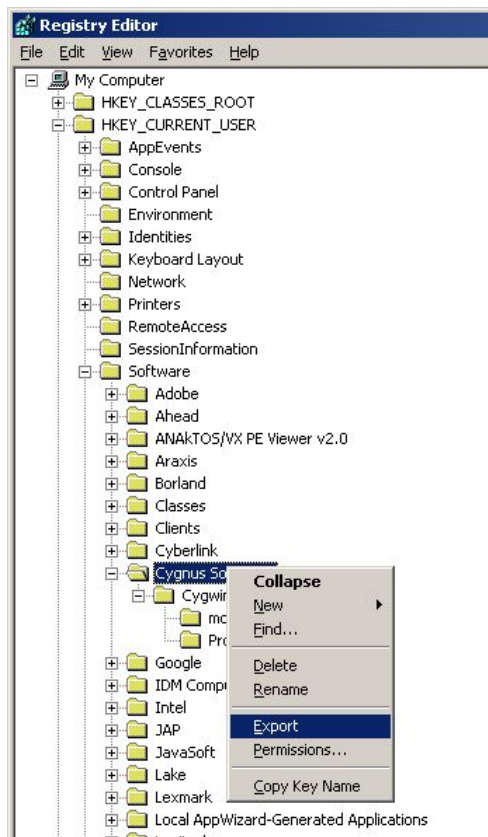
Due to the fact, that all Cygwin versions share the same registry entries, it is normally not possible to have different Cygwin versions installed on the same computer. Since the GNU X-Tools Embedded Toolsuite 2.0 comes with a specific version other than the required version for Tessy, this document describes how to work around this problem.

Please follow the steps described below to get the respective versions installed properly.

Save Registry Keys

In the following you have to export the Registry keys for your CYGWIN 1.2.0 installation (GNU X-Tools Embedded Toolsuite 2.0).

- Open the Windows Registry Editor (Windows Start menu :: Run :: regedit)
- Navigate to **HKEY_CURRENT_USER\Software\Cygnus Solutions**
- Select the key **Cygnus Solutions**. Right-click the key and choose **Export** from the context menu. Save the key, e.g. `cygwin-key-hkcu.reg`.



- Navigate to **HKEY_LOCAL_MACHINE\Software\Cygnus Solutions**
- Export the key, as described above.

- Save the key, e.g. `cygwin-key-hk1m.reg`.

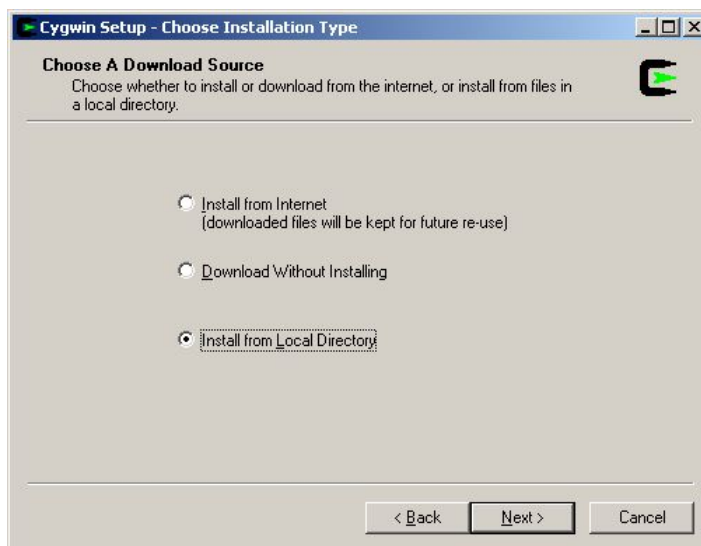
Delete Registry Keys

After you have exported both keys, please delete both keys from the Registry.

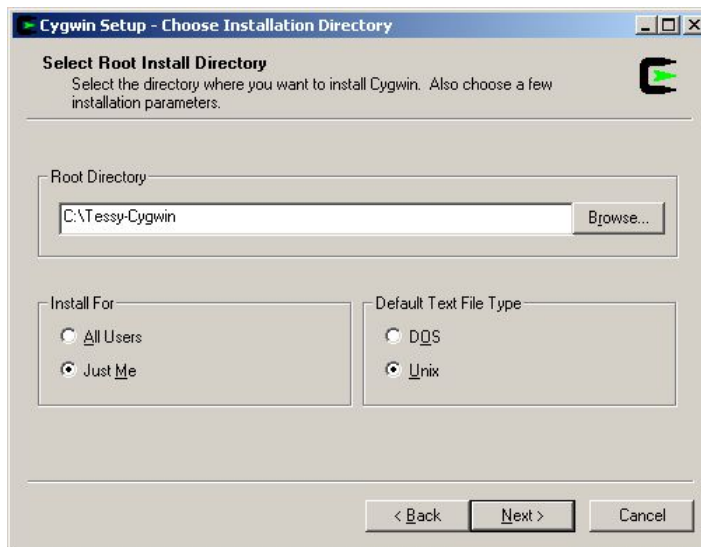
- HKEY_LOCAL_MACHINE\Software\Cygnus Solutions
- HKEY_CURRENT_USER\Software\Cygnus Solutions

Installing Cygwin 1.5.18 for Tessy

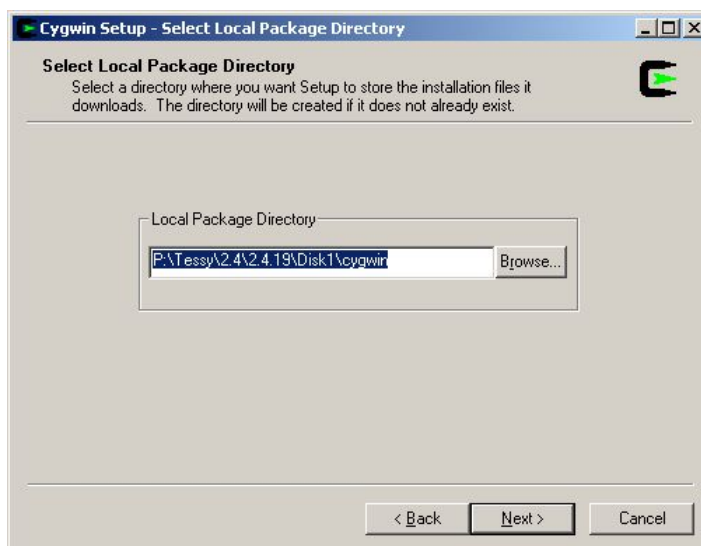
- Start **setup.exe** in the **cygwin** folder of the **Tessy** distribution.
- Select option **Install from local Directory**.

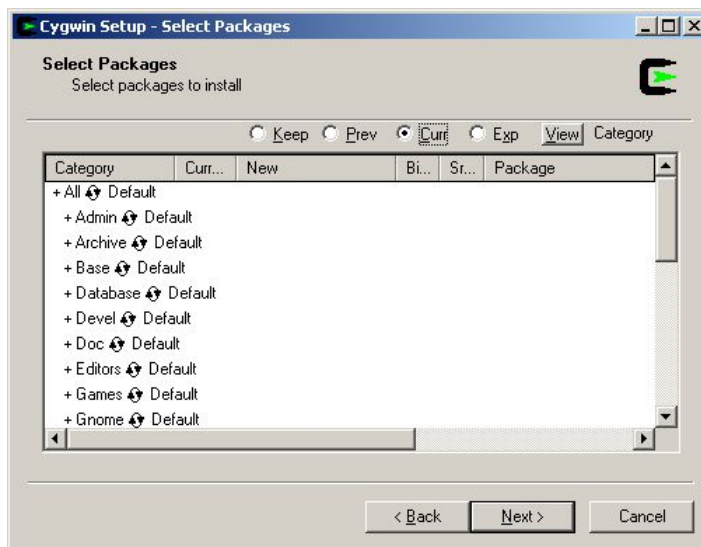


- Choose the installation root directory. You must select a different one than your GNU X-Tools installation. (e.g. `C:\Tessy-Cygwin`)



- Just select **Next** on the next two dialogs.

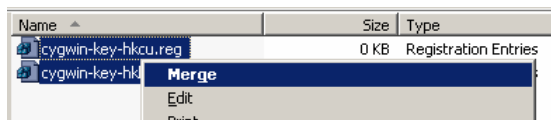




Restore Registry Keys

After you have installed Cygwin 1.5.18, you have to delete the newly created keys from the Registry.

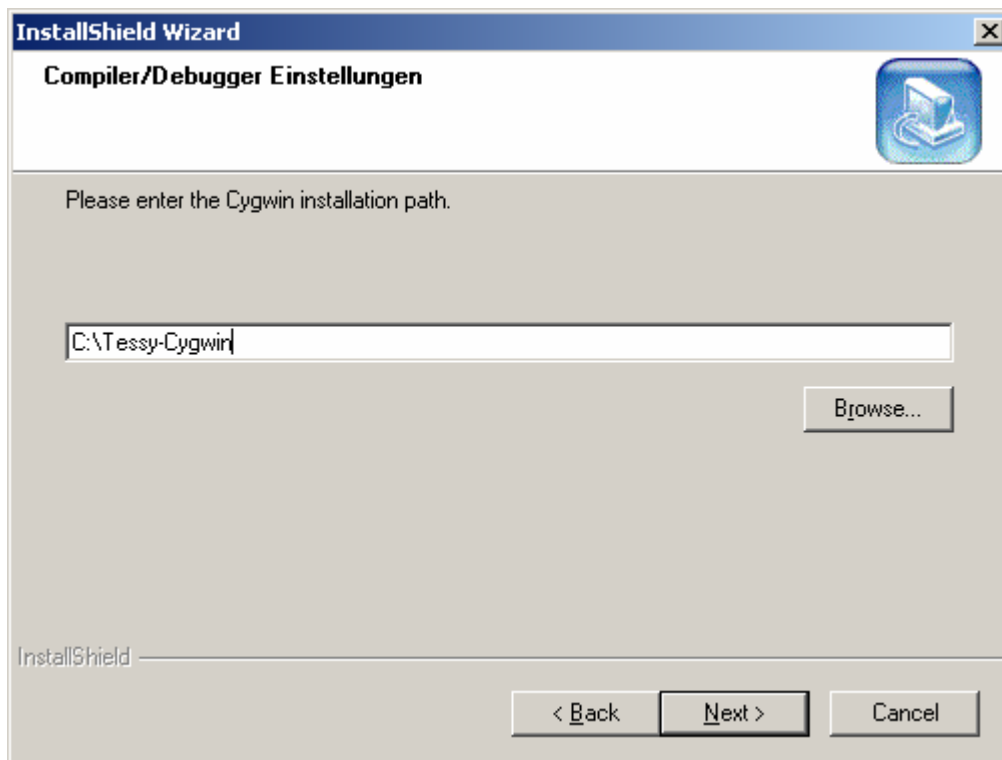
- **HKEY_CURRENT_USER\Software\Cygnus Solutions** and/or **HKEY_LOCAL_MACHINE\Software\Cygnus Solutions**
- After that please restore the saved registry keys



Install Tessy

Start **setup.exe** of the **Tessy** distribution. Follow the instructions of the dialogs. Because Cygwin was already installed, the check boxes of the dialog will be unchecked. Just click Next to determine the path.

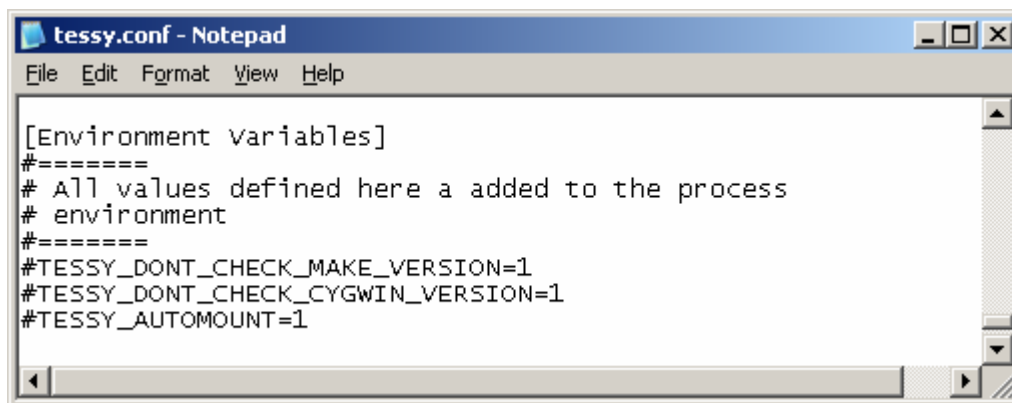
- Select the folder where you have installed the **Cygwin** package for Tessy (e.g. C:\Tessy-Cygwin).



Edit tessy.conf

This last step ensures that Tessy uses the correct Cygwin installation.

- Open the file `tessy.conf` in the folder `...\Razorcat\Tessy_2.4\config` with a text editor.
- Navigate to the section **[Environment Variables]**
- Remove the `#` in front of **TESSY_AUTOMOUNT=1**



```
[Environment variables]
#====#
# All values defined here a added to the process
# environment
#====#
#TESSY_DONT_CHECK_MAKE_VERSION=1
#TESSY_DONT_CHECK_CYGWIN_VERSION=1
#TESSY_AUTOMOUNT=1
```

Note: Check please whether TESSY_AUTOMOUNT has been enabled in the user `tessy.conf` under `C:\Documents and Settings\[Login Name]\Application Data\Razorcat\Tessy\[Version]\config\`. Setup has copied `tessy.conf` automatically from `...\Razorcat\Tessy_2.4\config` in this folder.