

The MiKTeX Installation Procedure

November 17, 2003

Legal Notice

Permission is granted to make and distribute verbatim copies of this manual provided the copyright notice and this permission notice are preserved on all copies.

Permission is granted to copy and distribute modified versions of this manual under the conditions for verbatim copying, provided that the entire resulting derived work is distributed under the terms of a permission notice identical to this one.

Permission is granted to copy and distribute translations of this manual into another language, under the above conditions for modified versions, except that this permission notice may be stated in a translation approved by the Free Software Foundation.

1 About this document

This document describes the MiKTeX installation procedure. The latest version of this document is available from CTAN (PDF¹, HTML²).

2 Introduction

Four steps are necessary to install MiKTeX:

1. Check to see if the prerequisites are met.
2. Choose a package set.
3. Download MiKTeX.
4. Install MiKTeX.

¹<http://www.ctan.org/tex-archive/systems/win32/miktex/setup/install.pdf>

²<http://www.ctan.org/tex-archive/systems/win32/miktex/setup/install.html>

3 Prerequisites

MiK_TE_X runs on all current Windows platforms.

MiK_TE_X Setup Wizard does not install any operating system components (such as `comctl32.dll`). It is taken for granted, that all required system components exist, either because they are a part of the operating system, or because they were installed by an operating system update (service pack).

The following system components are required by MiK_TE_X:

`comctl32.dll`

Version 5.80.2614.3600 (or later) of the Common Controls DLL must be installed. This is the case if the operating is Windows Me or Windows XP. For older operating systems, it might be necessary to get the DLL from Microsoft³.

`wininet.dll`

Version 4.70.0.1300 (or later) of the Internet Extensions DLL must be installed. It is a part of Internet Explorer 4.0 (or later).

MiK_TE_X Setup Wizard displays a message and quits, if one of the required system components is missing.

4 Choosing a Package Set

You can choose between three package sets: “Small MiK_TE_X”, “Large MiK_TE_X” and “Total MiK_TE_X”.

“Small MiK_TE_X”

This is a basic MiK_TE_X system which gets you started.

“Large MiK_TE_X”

This gives you the most important macro packages and fonts.

“Total MiK_TE_X”

This includes all available packages.

Choose “Small MiK_TE_X”, if you are downloading MiK_TE_X over a slow Internet connection or if you want to conserve disk space. It is possible to configure MiK_TE_X in such a way, that missing packages are automatically installed later (during run-time).

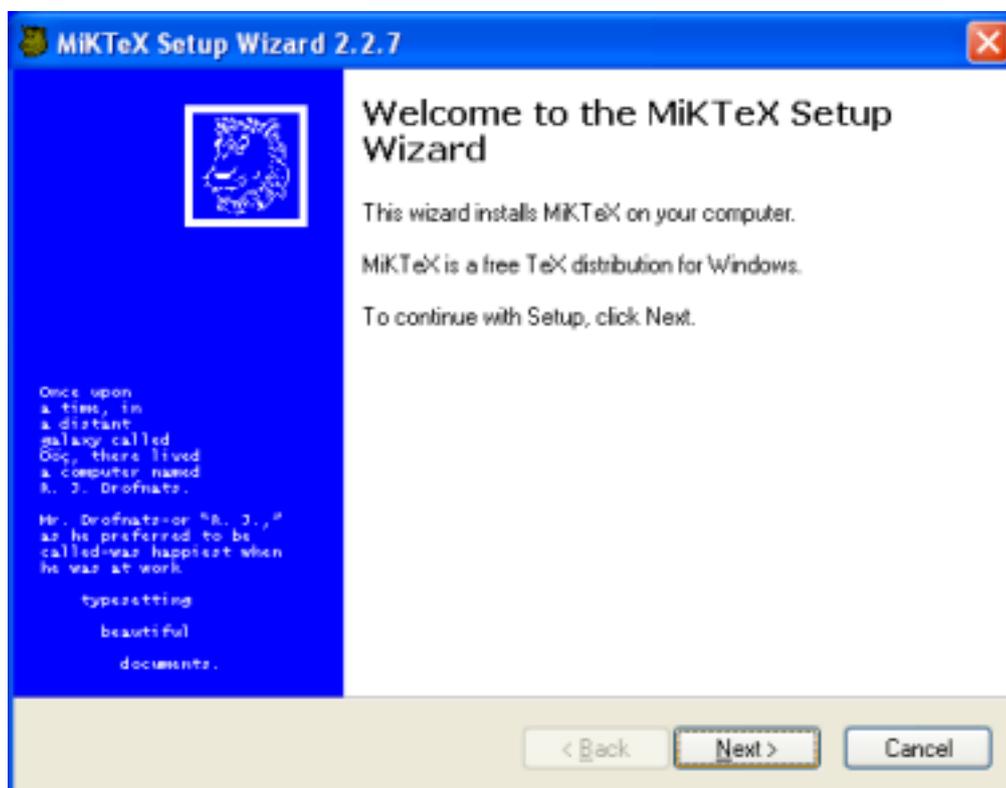
5 Downloading MiK_TE_X

You can download MiK_TE_X either with the help of MiK_TE_X Setup Wizard (`setup.exe`), or manually with the help of an FTP client. This installation guide covers the wizard method, because it is the recommended method for most users. See the MiK_TE_X FAQ⁴, for a detailed description of the FTP method.

³<http://www.microsoft.com/downloads/release.asp?releaseid=30318>

⁴<http://www.miktex.org/faq/index.html>

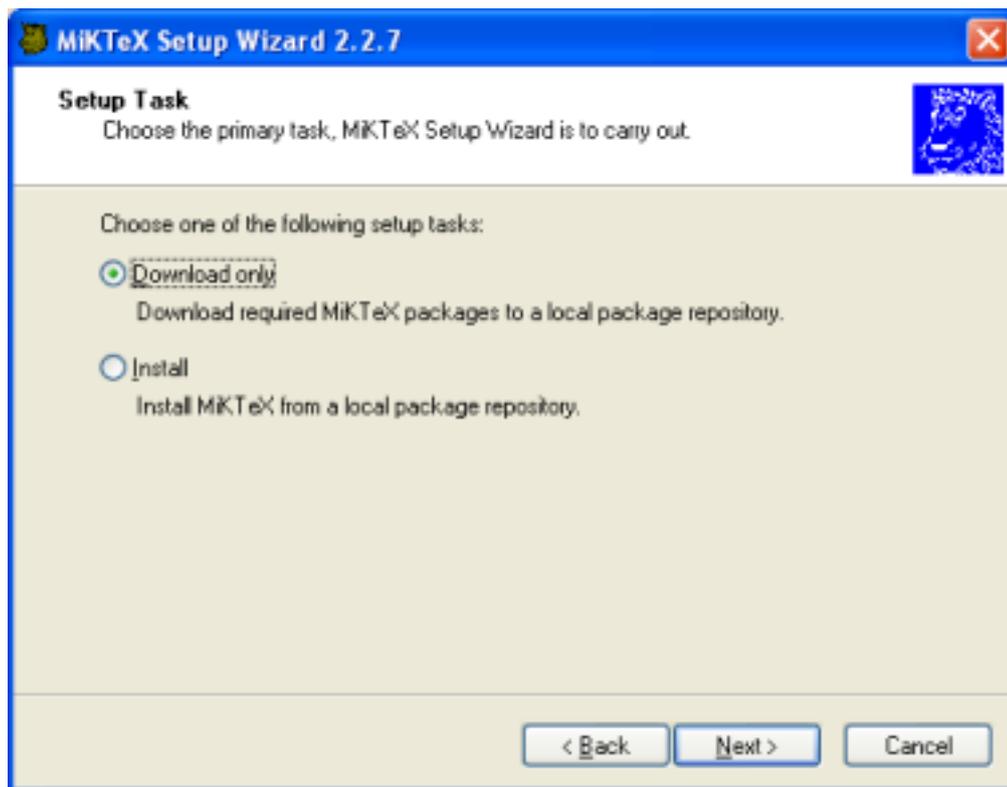
1. Download the latest version of the wizard from the SourceForge.net download server⁵.
2. Start the wizard (**setup.exe**). You will be presented with the welcome page:



Click **Next >** to advance to the next page.

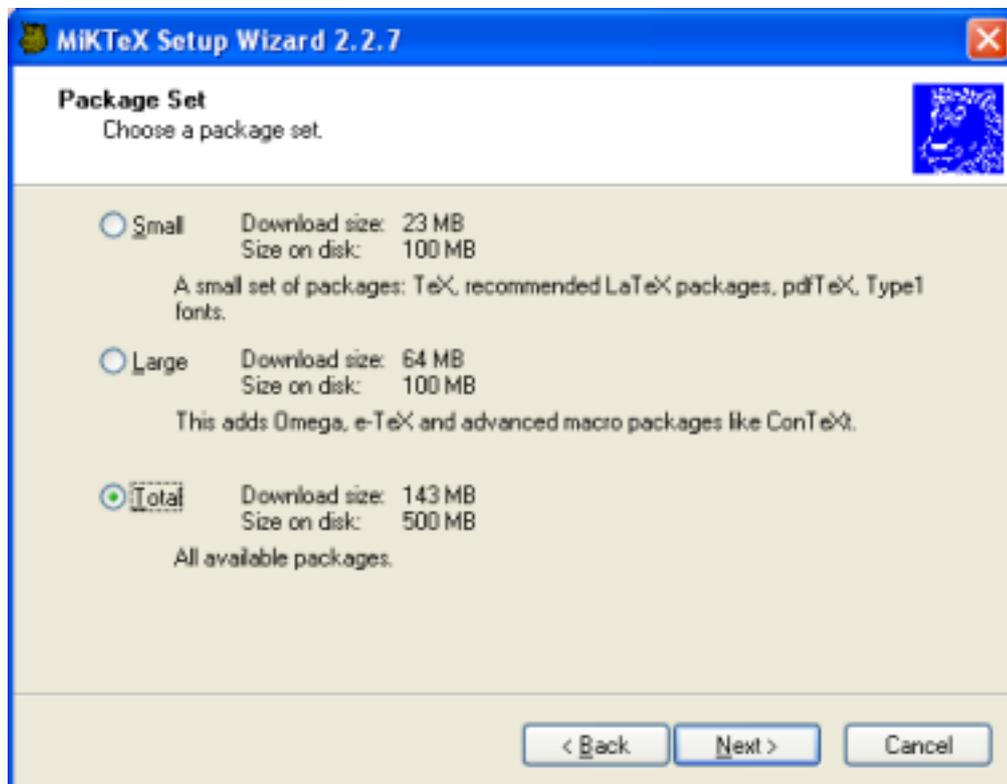
3. Click on the **Download only** radio button:

⁵http://sourceforge.net/project/showfiles.php?group_id=10783



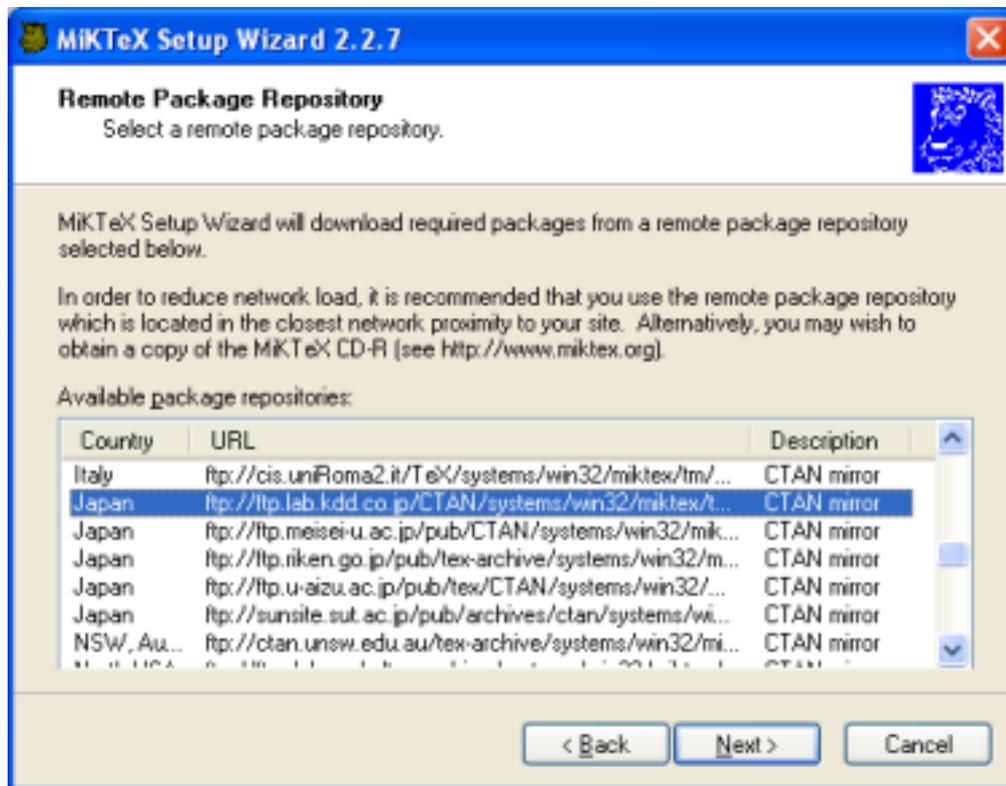
Click **Next >** to go to the next page.

4. Click on the package set that you wish to download:



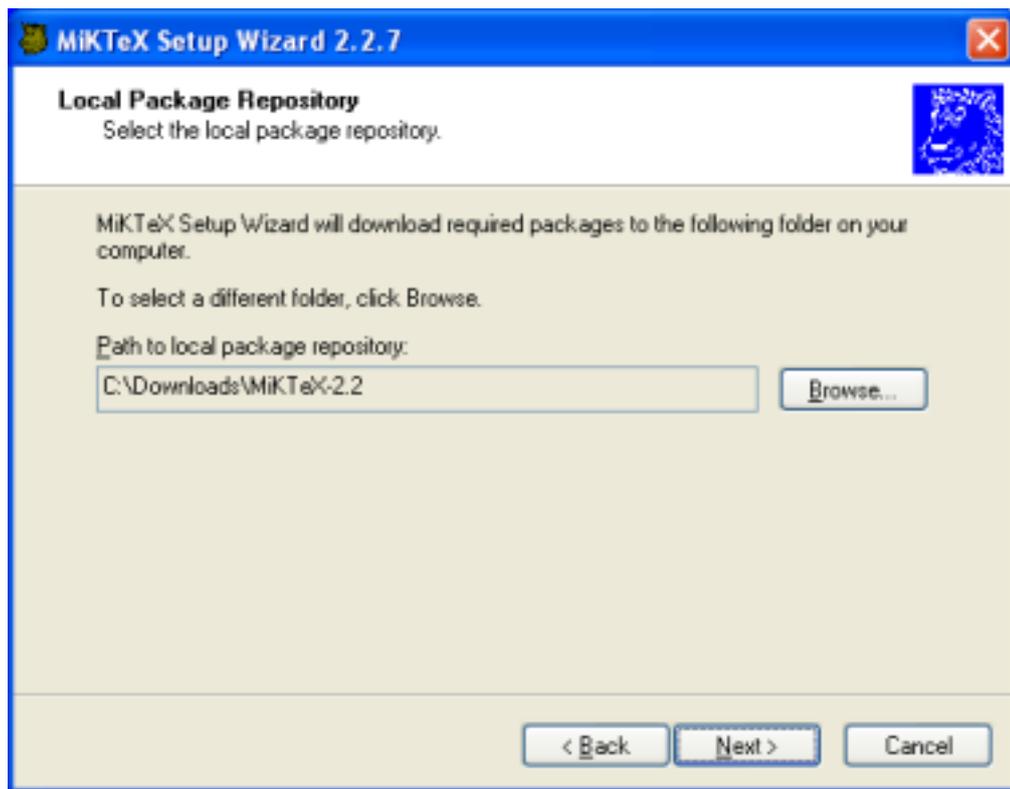
Click **Next >** to go to the next page.

5. Choose a download location:



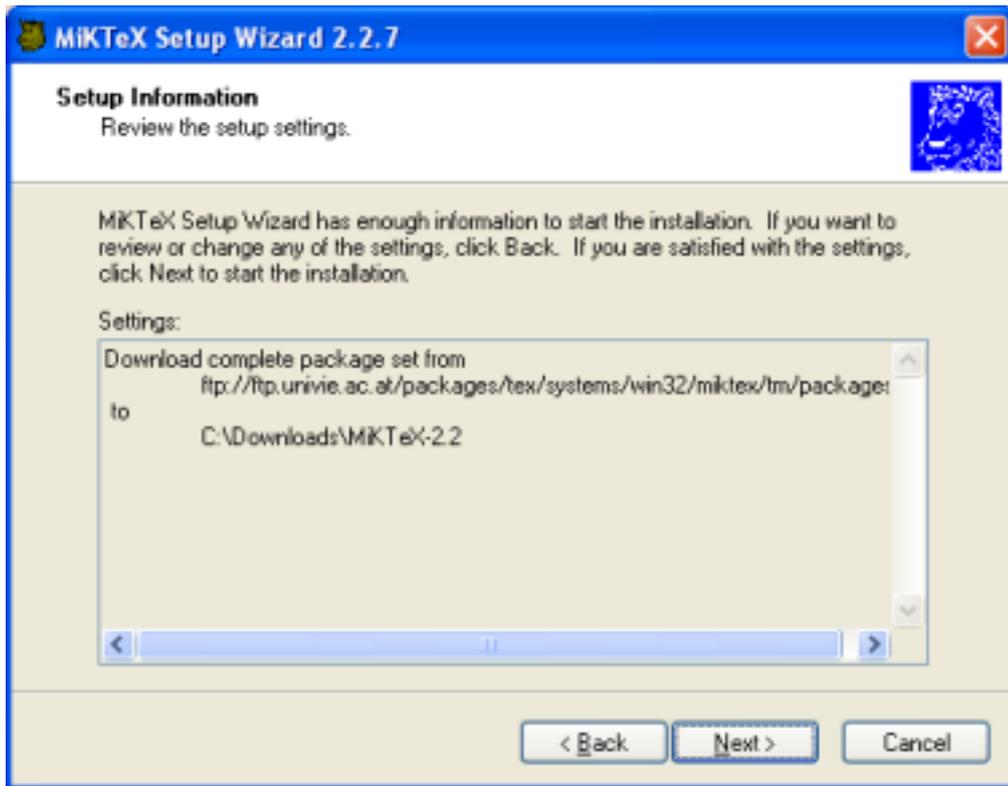
MIKTeX Setup Wizard will download packages from a remote package repository. Choose a repository which is located in the closest network proximity to your location. Click **Next >** to go to the next page.

6. Specify the location of the local package repository:



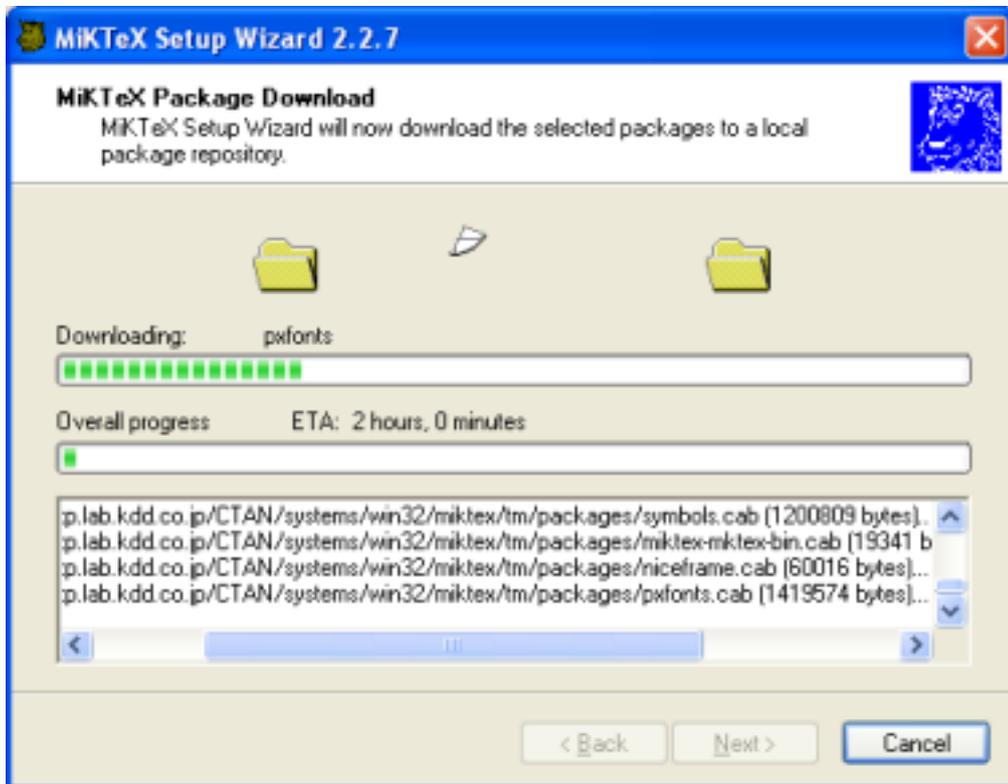
Downloaded packages will be stored in the *local package repository*, a directory on your computer. Later you will run the wizard again to install MiK_TE_X from here. Click **Next >** to go to the next page.

7. Review the download settings:



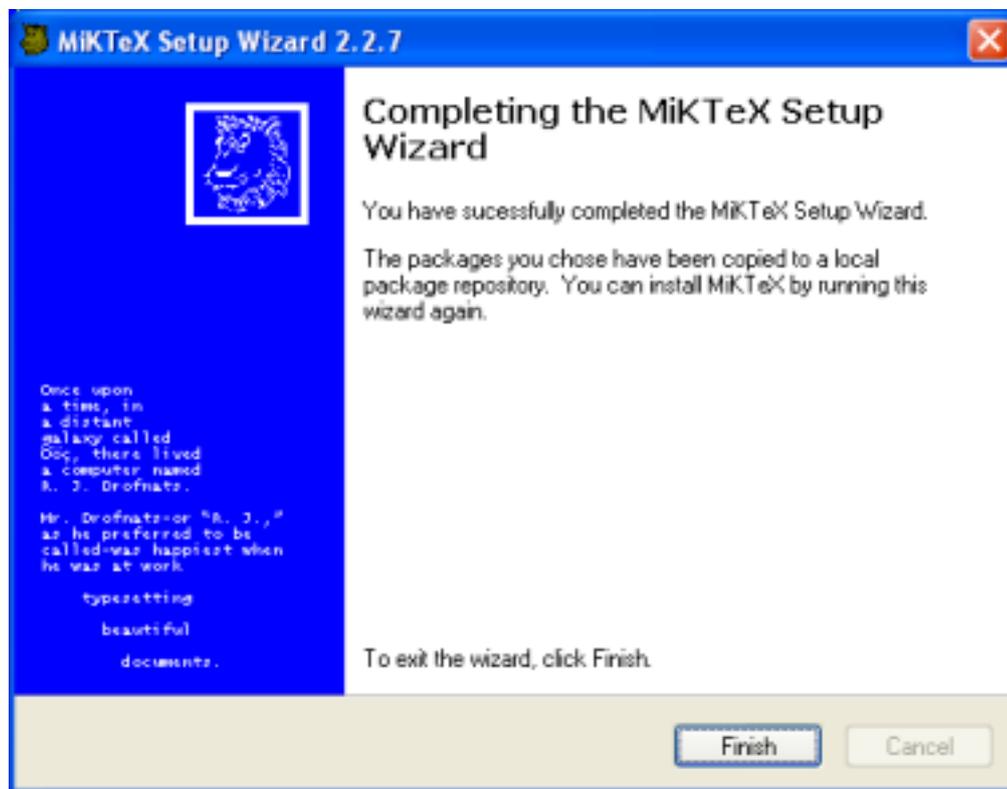
Click **< Back**, if you want to change the settings. Click **Next >** to start the download process.

8. Two progress bars indicate the progress of the download operation:



Click **Next** > when the download is complete.

9. You will see the final wizard page:



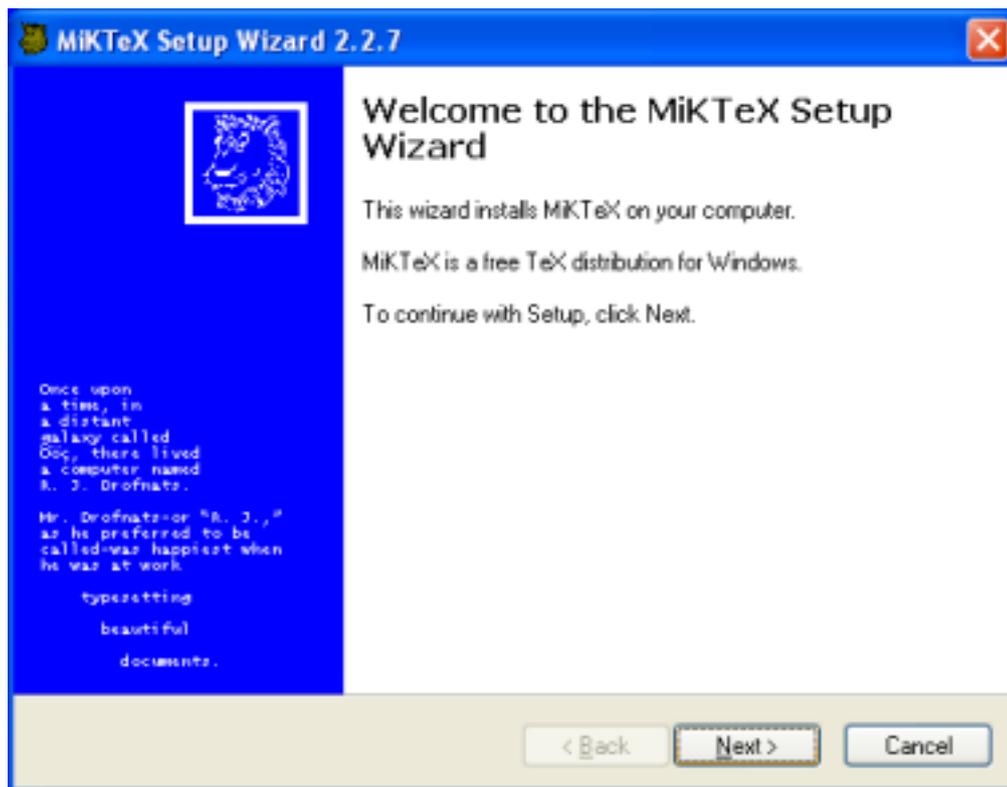
Click **Finish** to close the wizard.

6 Installing MiKTeX

You install MiKTeX with the help of MiKTeX Setup Wizard:

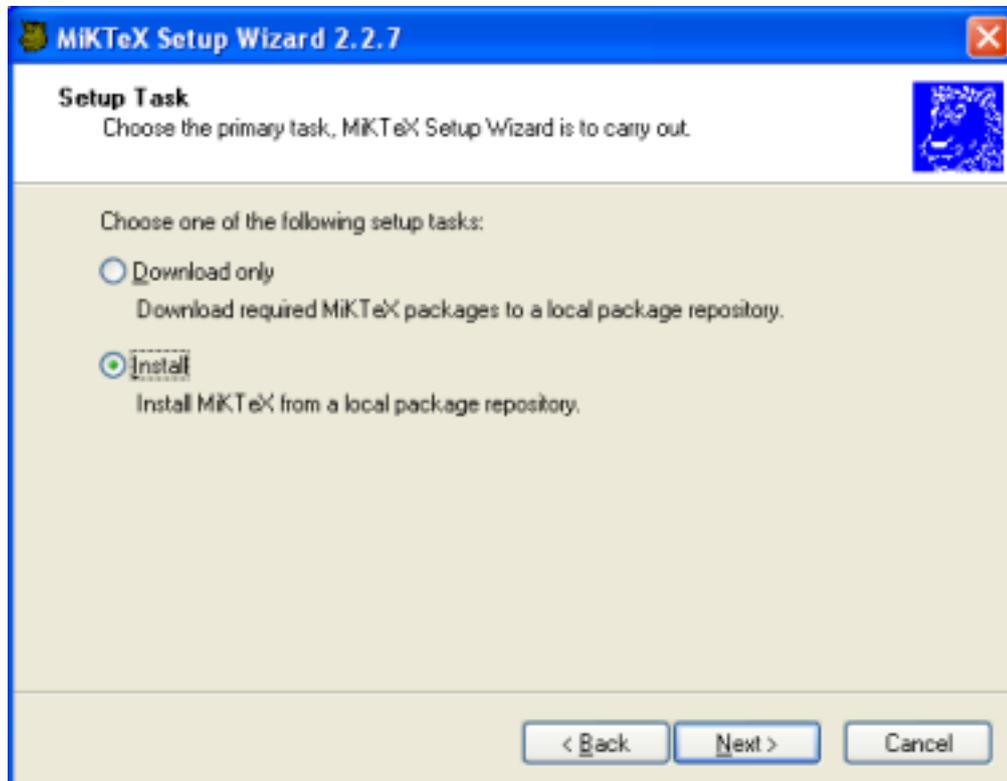
1. Download the latest version of the wizard from the SourceForge.net download server⁶.
2. Login as Administrator, if you want to set up a shared MiKTeX system.
3. Make sure that no MiKTeX application is running.
4. Start the wizard (**setup.exe**). You will be presented with the welcome page:

⁶http://sourceforge.net/project/showfiles.php?group_id=10783



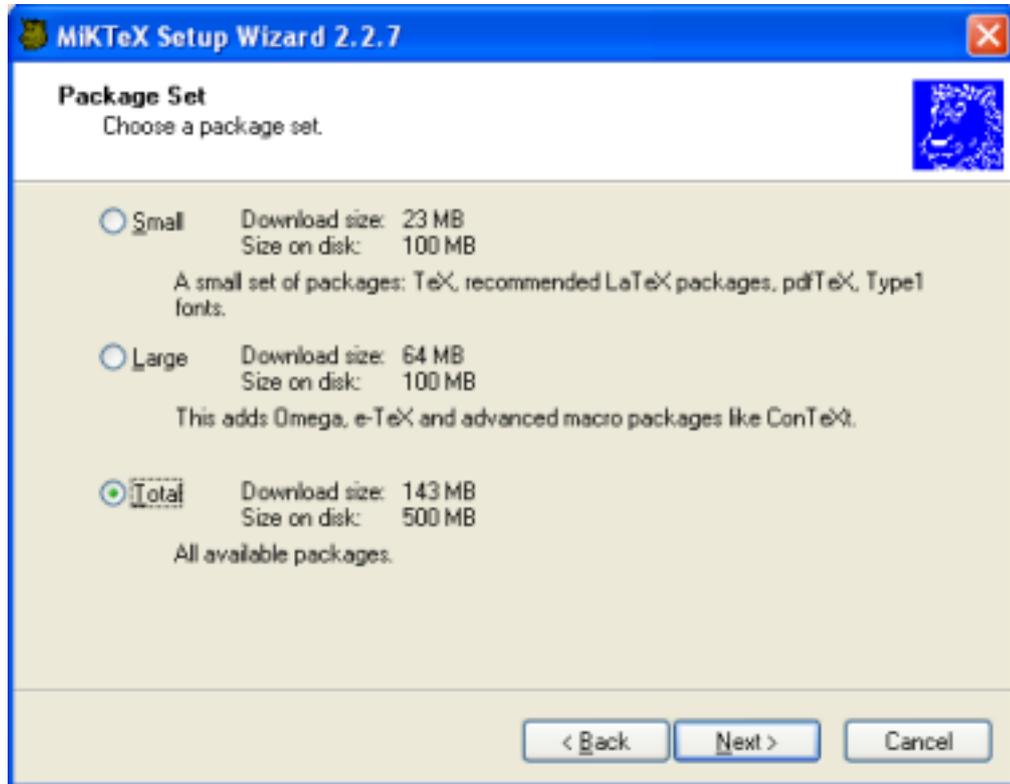
Click **Next >** to go to the next page.

5. Click on the **Install** radio button:



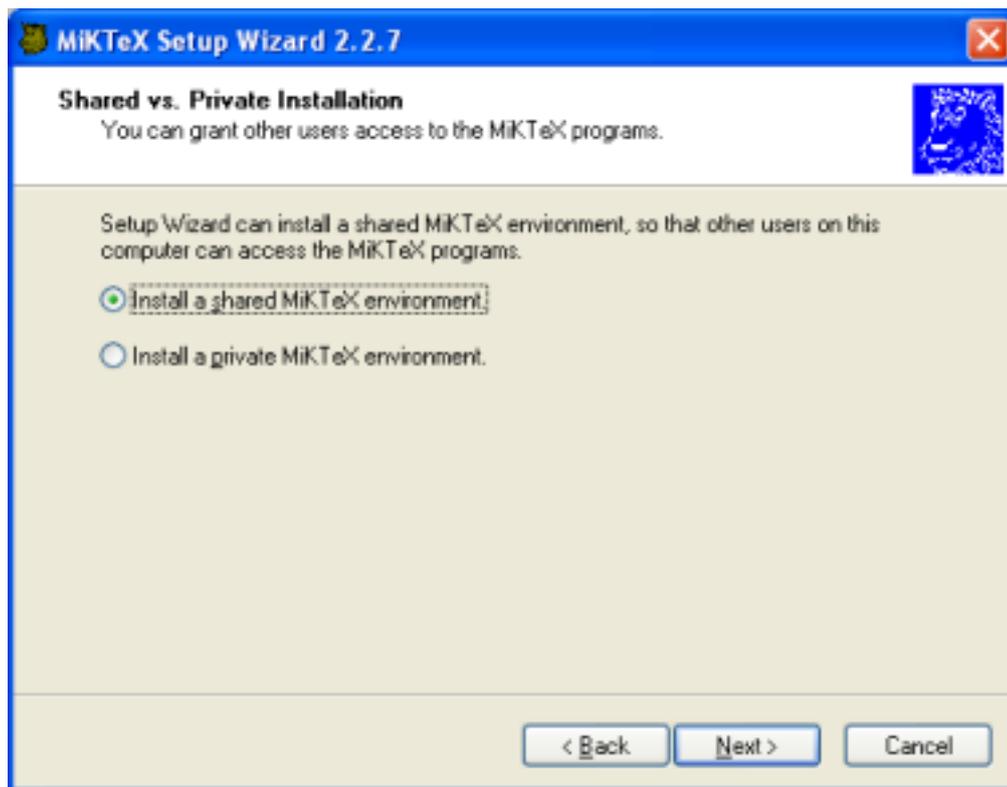
Click **Next >** to go to the next page.

6. Click on the package set you wish to install:



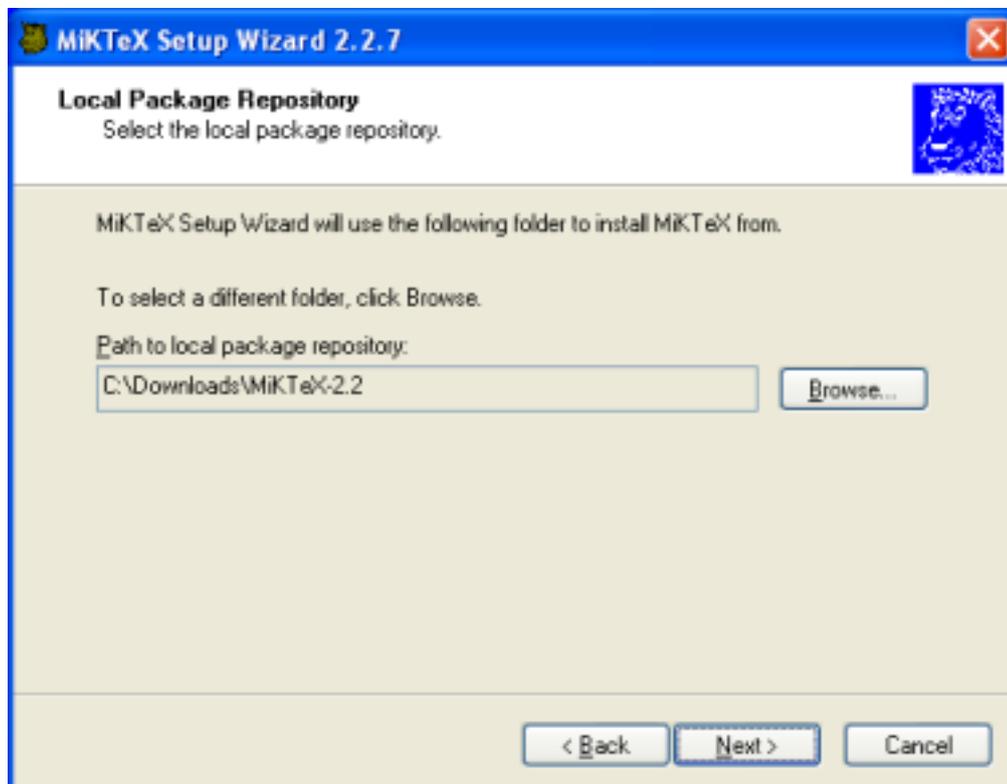
Click **Next >** to go to the next page.

7. Choose if you want to set up a shared MiKTeX system or if you want to run MiKTeX privately:



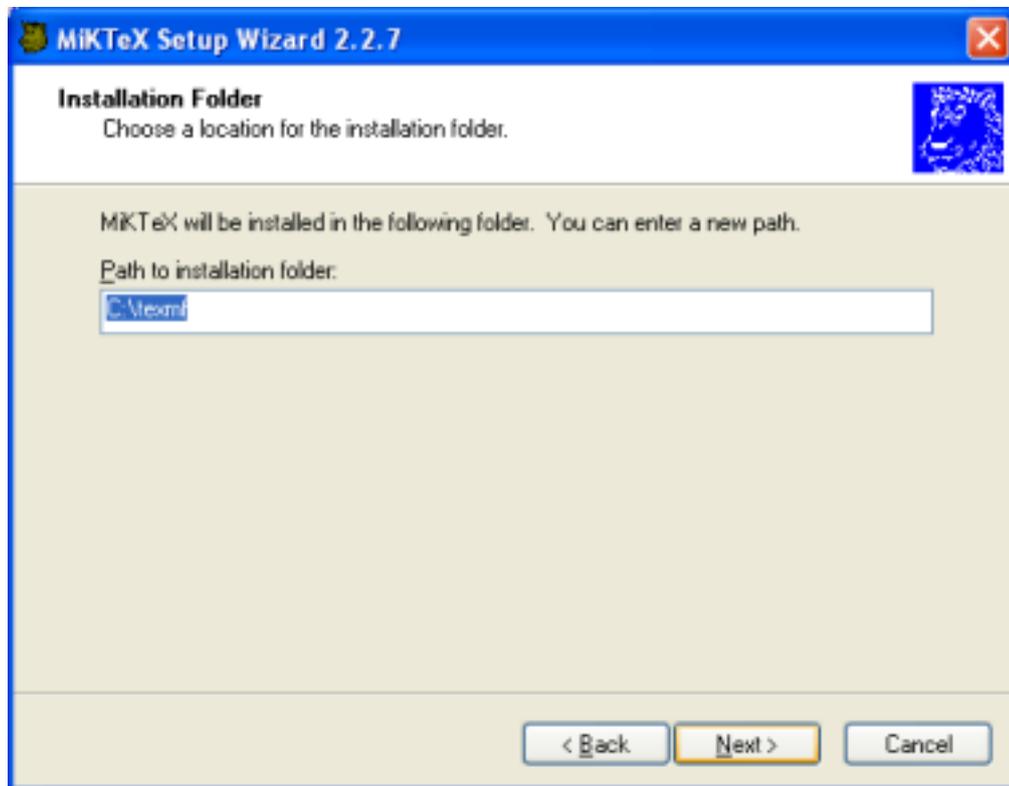
Click **Next >** to go to the next page.

8. Specify the location of the local package repository:



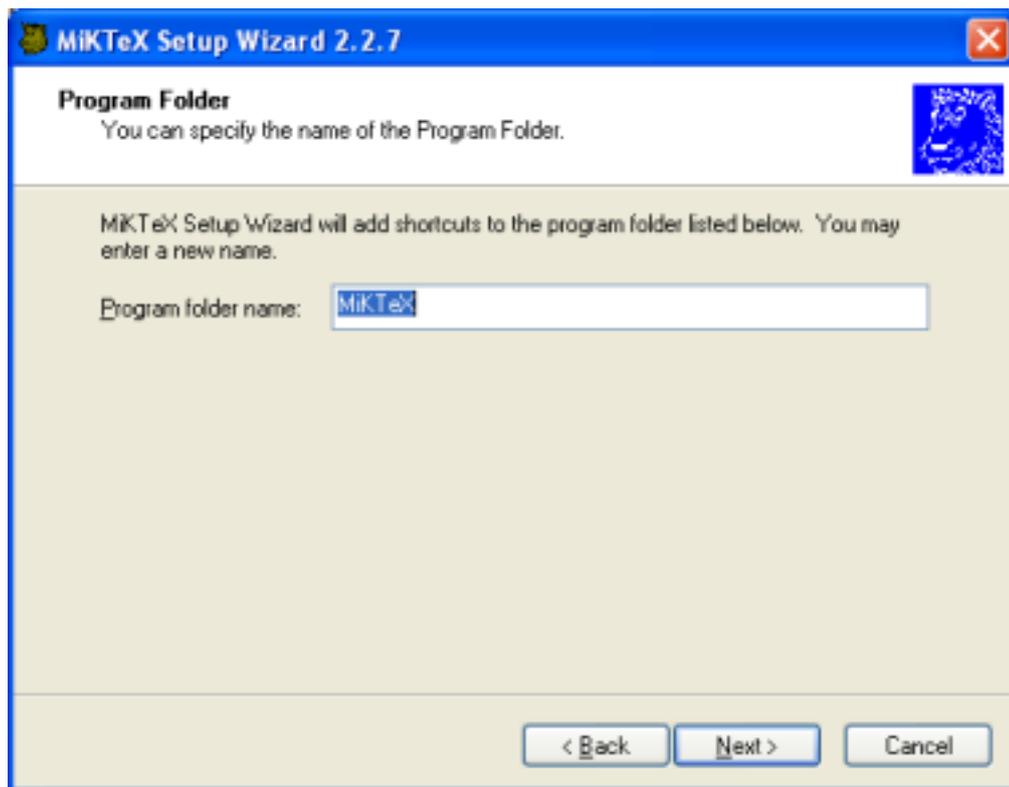
MiKTeX will be installed from a local package repository, i.e., a directory on your computer which mirrors the contents (or parts of it) of a remote package repository. You have created the local package repository during the download stage. Click **Next >** to go to the next page.

9. Accept the suggested installation directory or enter your own choice:



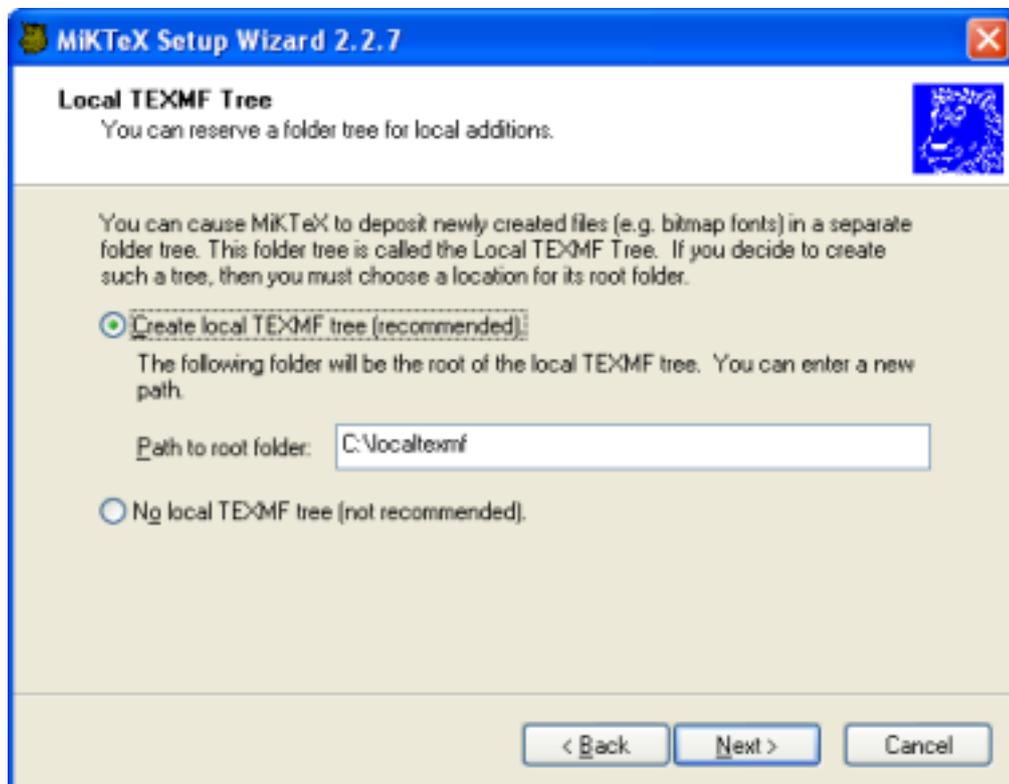
Click **Next >** to go to the next page.

10. Accept the suggested program folder name or enter your own choice:



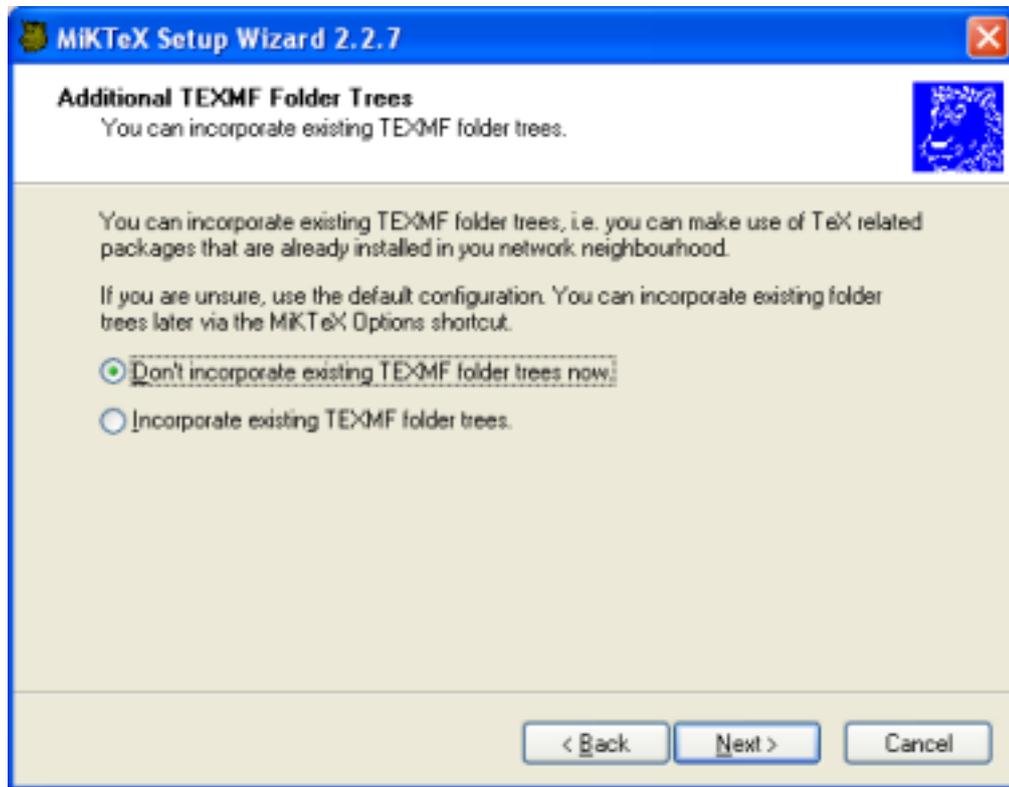
Click **Next >**, to go to the next page.

11. Accept the suggested path to the local TEXMF directory or enter your own choice:



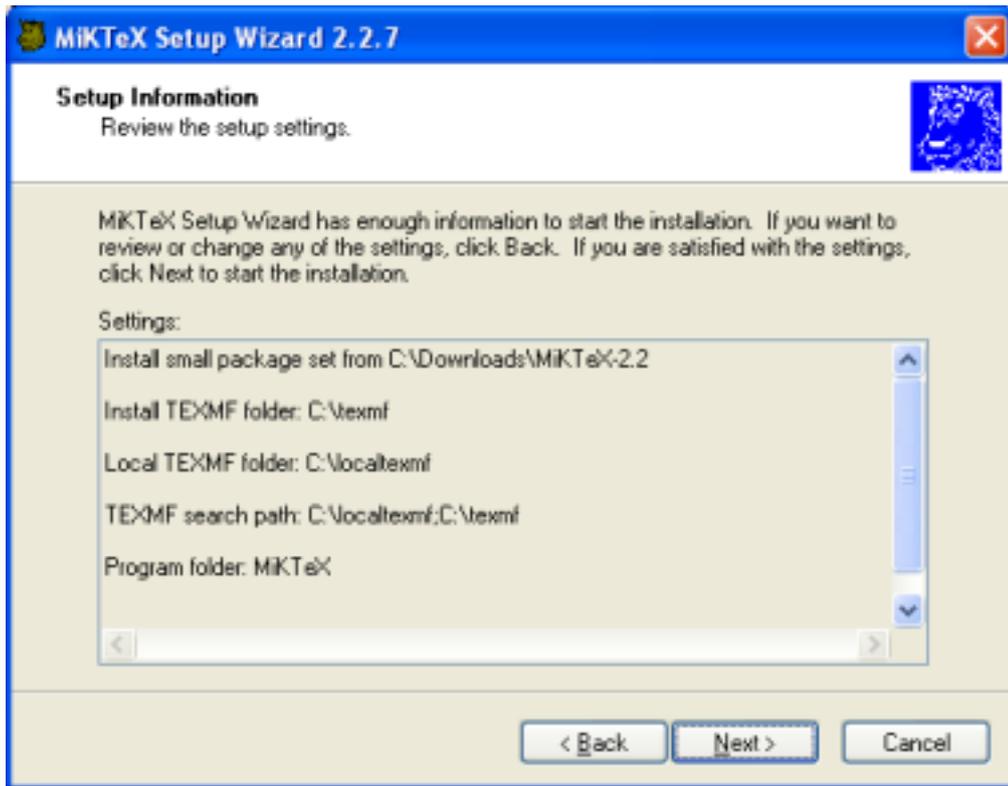
Click **Next >** to go to the next page.

12. Choose if you want to incorporate additional TEXMF directories:



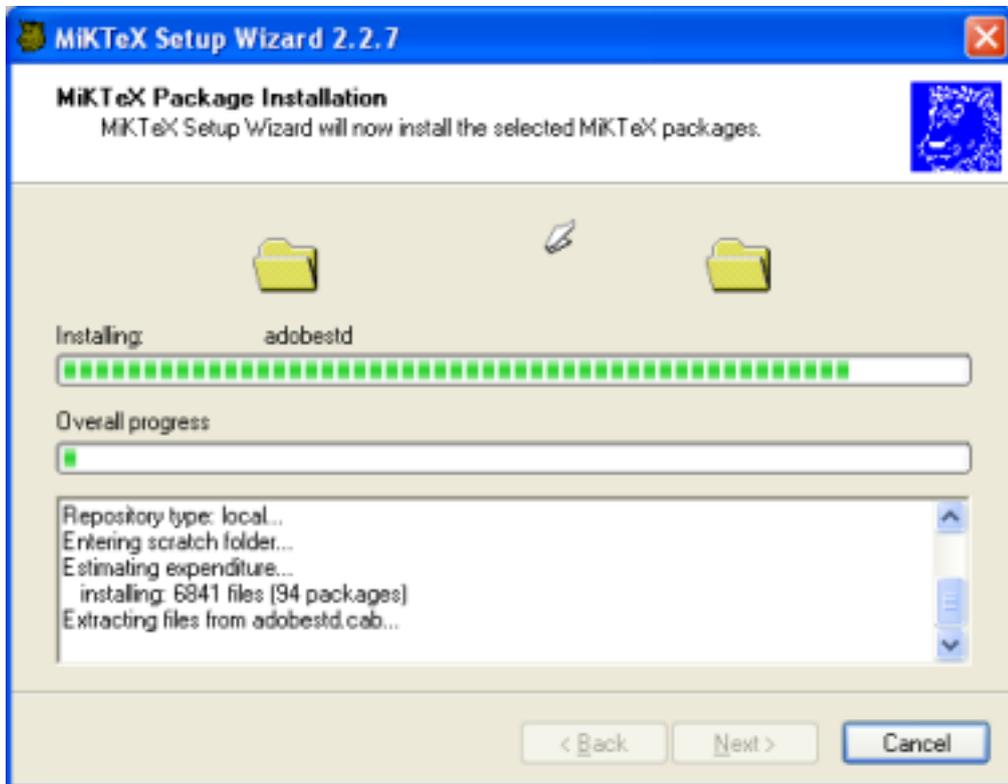
You can safely defer the decision. TEXMF directories can be configured later with the help of MiKTeX Options. Click **Next >** to go to the next page.

13. Review the setup settings:



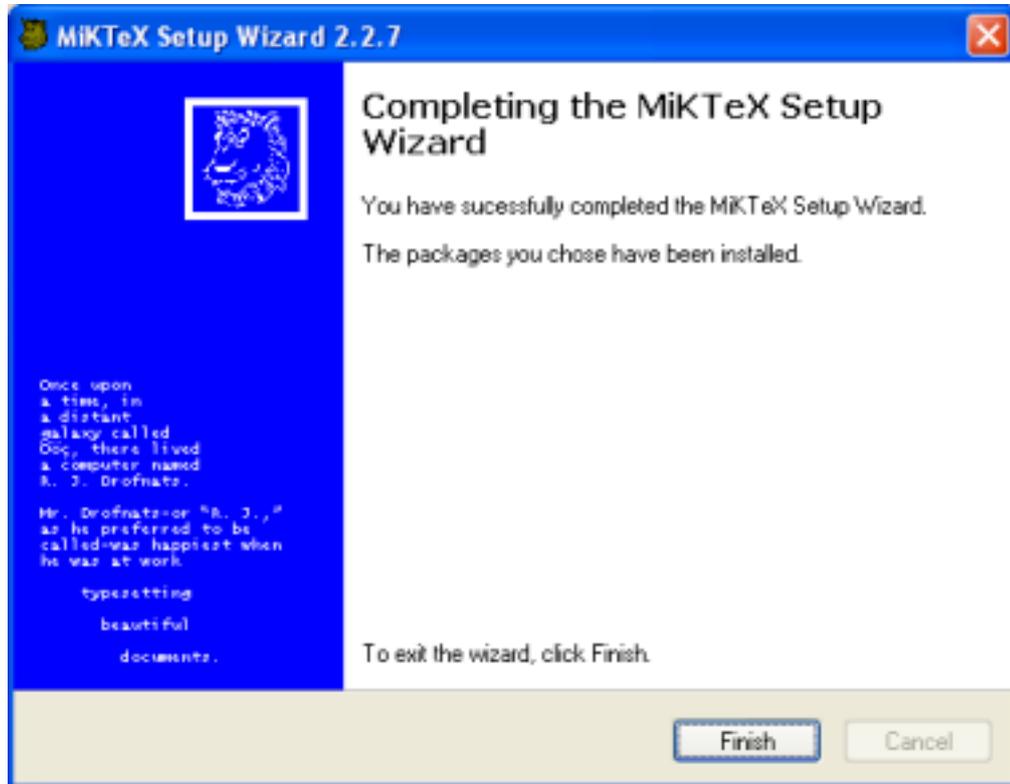
Click < **Back**, if you want to change the settings. Click **Next** > to start the installation process.

14. Two progress bars indicate the progress of the installation process:



Click **Next** > when the installation is complete.

15. You will see the final wizard page:



Click **Finish** to close the wizard.

7 Troubleshooting the Setup Process

MiKTeX Setup Wizard logs all actions into the DebugView window. You need to download and install DebugView, if you intend to troubleshoot setup related problems.

To download DebugView, visit the DebugView page⁷ and follow the download/installation instructions.

To create a trace, start DebugView prior to the setup wizard.

In addition, the wizard reports some actions into a log file. The name of the log file is `setup-currentdate.log`. Search for this file in the config directory (usually `C:\texmf\miktex\config\`).

⁷<http://www.sysinternals.com/ntw2k/freeware/debugview.shtml>