

CTesK 2.2: Installation Instructions

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Contents

System requirements	1
Installation of CTesK	1
Installing in graphical mode	1
Installing in console mode	7
Uninstallation of CTesK.....	10
Uninstalling in graphical mode	10
Uninstalling in console mode	12
Known installation issues	13

This document provides information about installation issues for CTesK 2.2. All known installation defects are also described along with their workarounds (see *Known installation issues* section).

Before starting the installation process make sure that your system complies with CTesK system requirements (see *System requirements* section).

System requirements

CTesK 2.2 could be installed at any platform supported JRE (Java Runtime Environment) 1.4.x or higher and ANSI C89, C99-compatible compiler.

CTesK has been trialed under

- Windows 2000, Service Pack 2 or later
- Windows XP

with Microsoft Visual C 6.0, Service Pack 3 and with Cygwin environment 1.5.7

and under

- RedHat GNU Linux 7.3, 9.0
- Debian GNU Linux 3.0

with gcc 3.0 and later.

Installation of CTesK

Before starting installation please make sure that JRE 1.4.x or higher is installed on your system. If you would like to integrate CTesK into Microsoft Visual Studio 6.0 under Windows platforms please close it before installation.

Installing in graphical mode

This section describes installation in graphical mode, to install CTesK in console mode see *Installing in console mode* section.

To start installation, start appropriate CTesK setup executable contained in CTesK installation package. The list of setup executables and corresponding platforms are presented in the following table, where YYYYMMDD is a build identifier. Evaluation version contains *eval* substring inside file name.

Setup executable	Platforms
<code>ctesk-setup-win32-2.2.YYYYMMDD.exe</code>	Windows
<code>ctesk-setup-linux-2.2.YYYYMMDD</code>	Linux
<code>java -jar ctesk-setup-2.2.YYYYMMDD.jar</code>	Others

If the window appearing contains the message on CTesK installer cannot find an appropriate JVM (Java Virtual Machine), see *Known installation issues* section.

Step 1

On the first step you can see general information about CTesK Toolkit. Click **Next** button to continue.

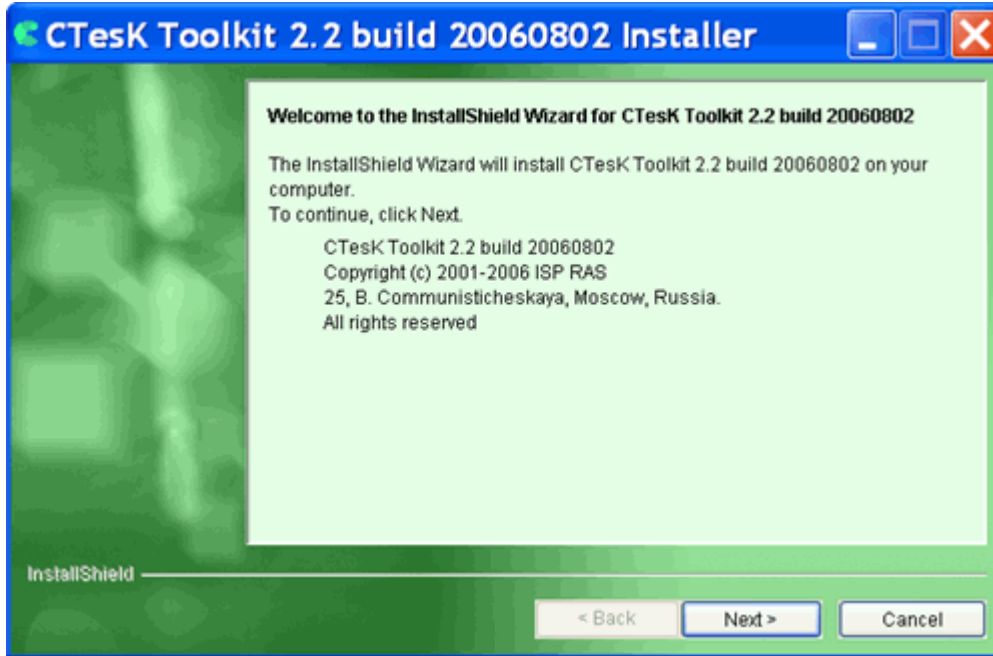


Figure 1. General information.

Step 2

On the second step you can see the licence agreement. Please, read it carefully and check the point on your agreement with the terms of the licence. If you agree choose **I accept the terms of the licence agreement** and then, click **Next** button. If you do not agree with the terms of the licence, click **Cancel** button. CTesK installation will be aborted in this case.

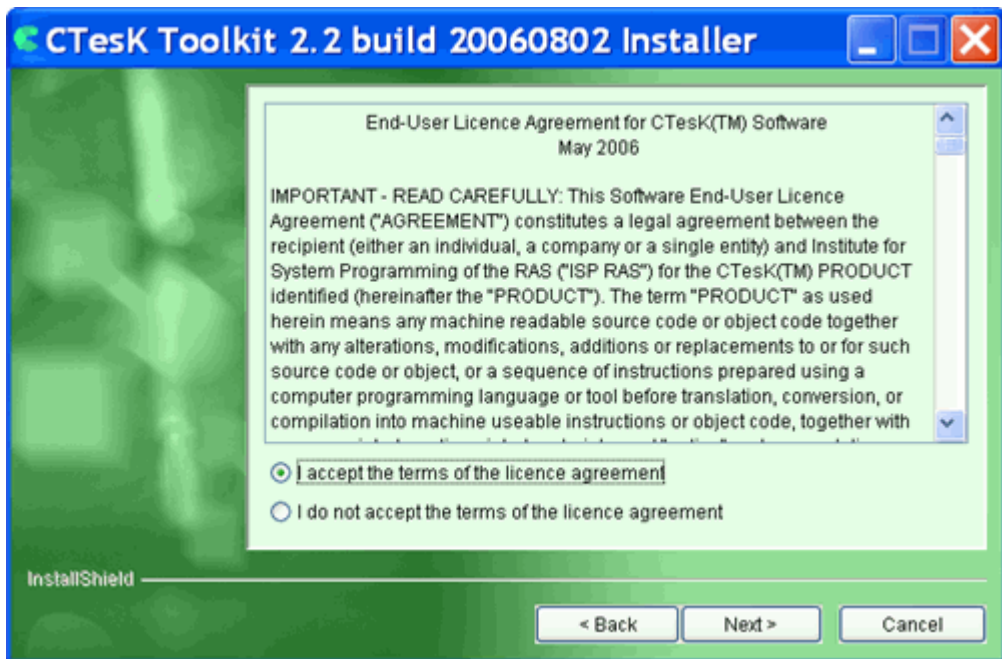


Figure 2. The terms of the licence agreement.

Step 3

On the third step enter the licence key given to you in the text area and click **Next** to continue. If you have no licence click **Cancel**. CTestK installation will be aborted in this case. For evaluation version licence key is not required.

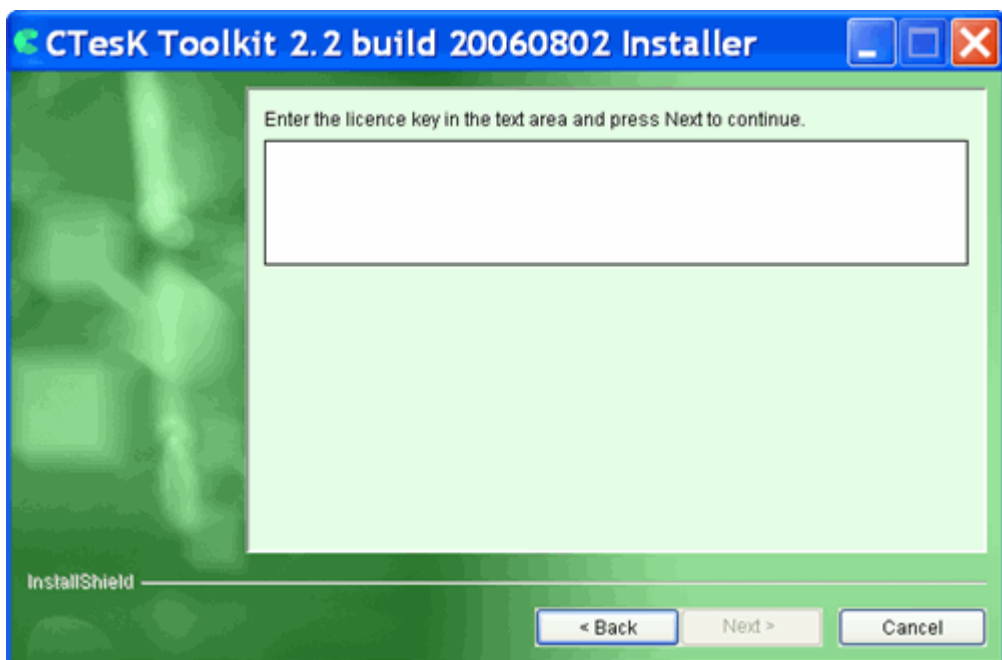


Figure 3. The licence key.

Step 4

On the fourth step select **Just for me** install level, if you need to install CTestK just for the current system user. If you need to install CTestK for all system users, select **For all users** install level. After selection click **Next**.

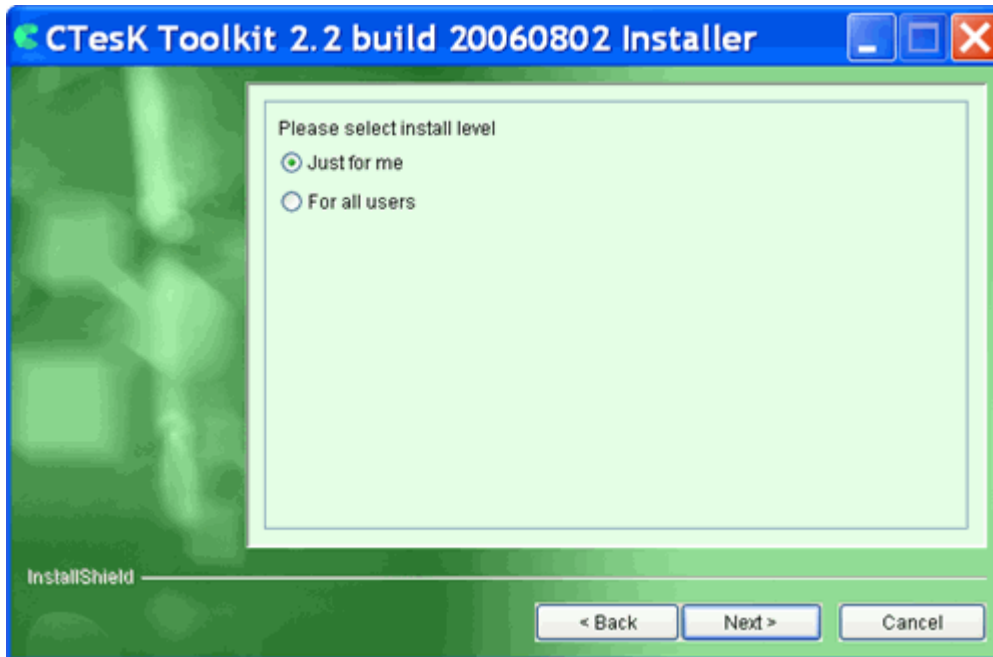


Figure 4. Install level.

Step 5

On the fifth step choose the directory to install CTesK in. By default CTesK installer uses **C:\Program Files\CTesK** for Windows platforms or **/opt/CTesK** for Unix ones. You may write its pathname by hands or use **Browse** button to select it. After that, click **Next** button again.

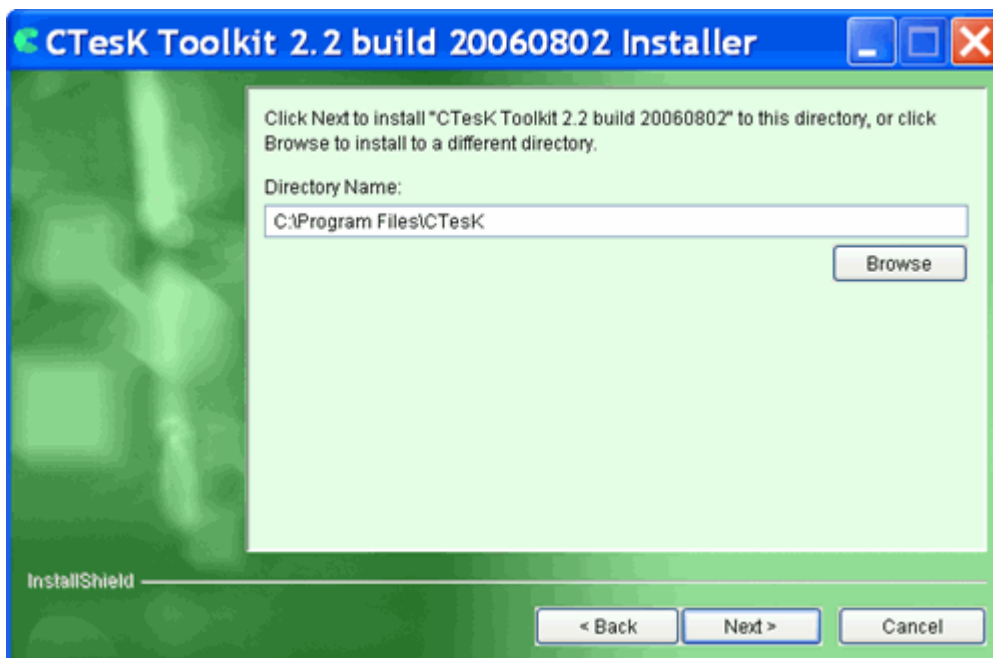


Figure 5. CTesK installation directory choosing.

Step 5a (Windows only)

Under Windows platforms choose compilers you want to use and IDE installations to integrate into. If you want to integrate CTesK into Microsoft Visual Studio 6.0 then Microsoft Visual C 6.0 compiler should be selected. Choose needed compilers and IDEs and then, click **Next** button.

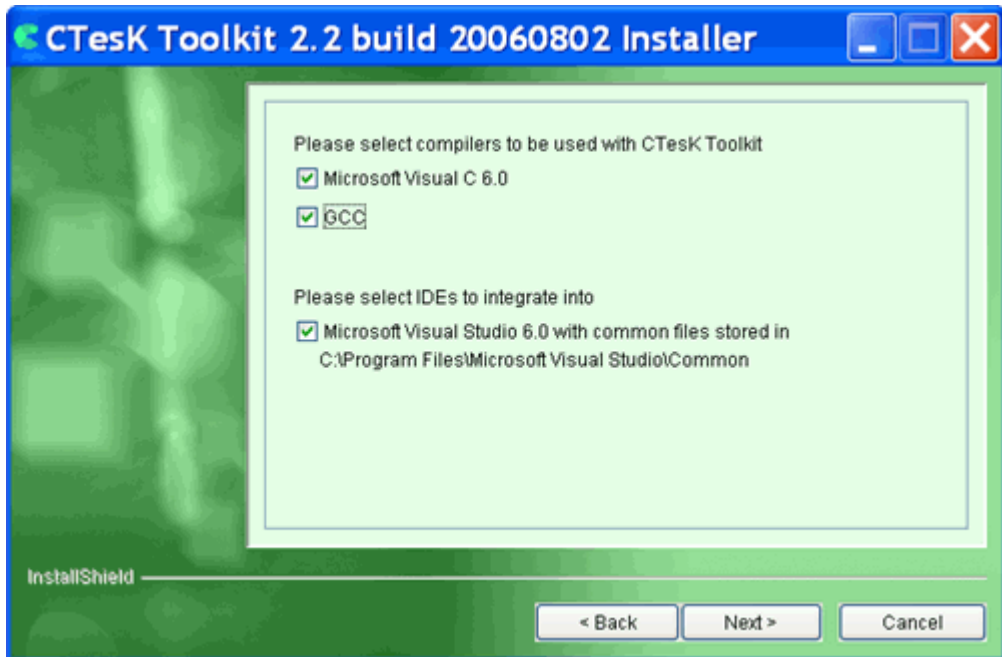


Figure 6. Choosing compiler(s) and IDE(s) to integrate into.

Step 6

On the sixth step you can see the installation directory you have chosen and total size of CTesK after installation. If you want to change installation directory, return to the corresponding step with the help of **Back** buttons, perform the necessary changes, and return to the information window with the help of **Next** buttons. If the directory is set correctly, click **Next** button.



Figure 7. Information on the installation options.

Wait while the installer copies the necessary files, creates uninstaller program, and registers CTesK in the system.

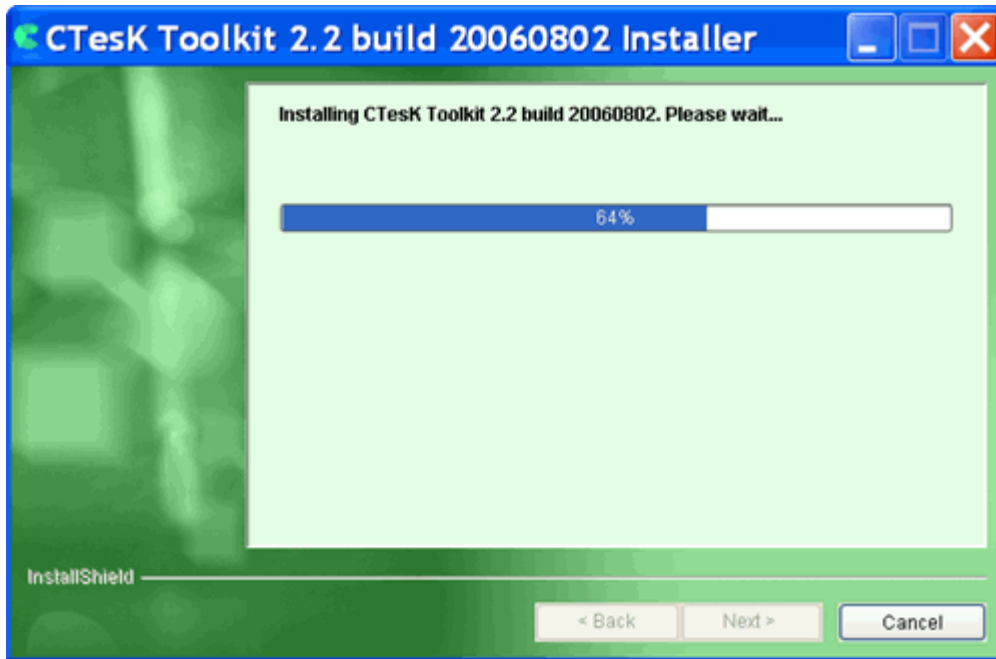


Figure 8. Coping of the files and creation of the uninstaller program.

Under Windows platforms with integration into Visual Studio, if the installer asks you to overwrite `usertype.dat` file see *Known installation issues* section.

Step 7

On the final step you can see the installation results. Click **Finish** button.

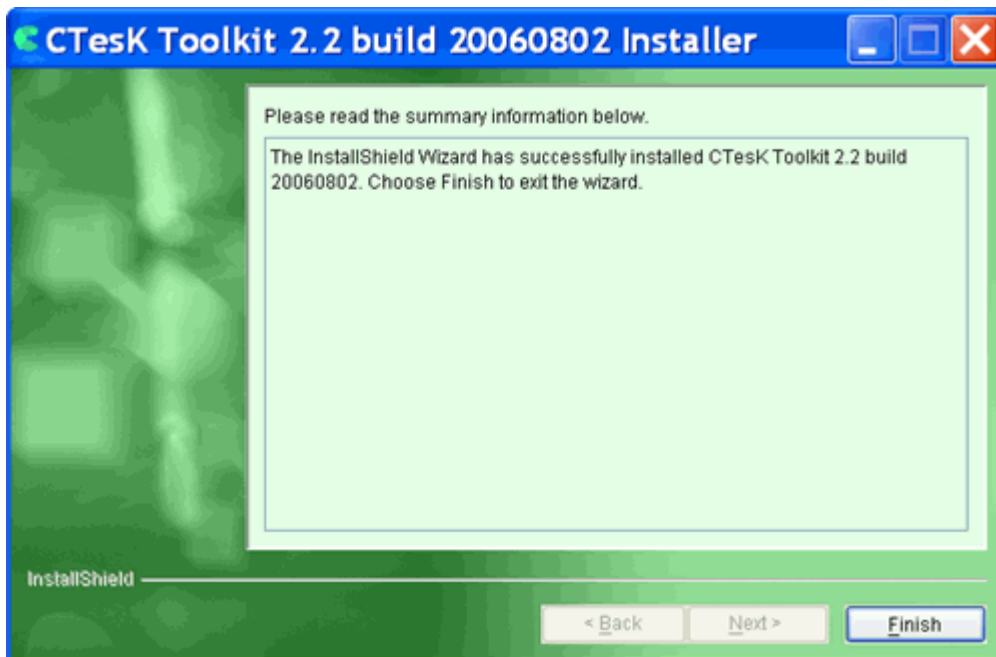


Figure 9. Finish the installation.

As installation is complete you can start using all the features of CTesK. The basic concepts of CTesK you can find in *Getting Started* document.

Installing in console mode

To start installation, start appropriate CTesK setup executable contained in CTesK installation package with option `-console`. The list of setup executables and corresponding platforms are presented in the following table. Where YYYYMMDD is a build identifier. Evaluation version contains *eval* substring inside file name.

Setup executable	Platforms
<code>ctesk-setup-win32-2.2.YYYYMMDD.exe -console</code>	Windows
<code>ctesk-setup-linux-2.2.YYYYMMDD -console</code>	Linux
<code>java -jar ctesk-setup-2.2.YYYYMMDD.jar -console</code>	Others

If the message **A suitable JVM could not be found** is appeared, see *Known installation issues* section.

Step 1

On the first step you can see general information about CTesK Toolkit. To continue press **1** then press **ENTER**.

```

Welcome to the InstallShield Wizard for CTesK Toolkit 2.2 build
20060802

The InstallShield Wizard will install CTesK Toolkit 2.2 build 20060802
on your computer.

To continue, click Next.

CTesK Toolkit 2.2 build 20060802
Copyright (c) 2001-2006 ISP RAS
B. Communisticheskaya, 25, Moscow, Russia.
All rights reserved

Press 1 for Next, 3 to Cancel or 4 to Redisplay [1]

```

Figure 10. General information.

Step 2

On the second step you can see the licence agreement. Please, read it carefully. To read next page of license agreement press **ENTER**. Type **q** to finish reading the agreement.

If you agree with the terms of the license press **1**. In the next prompt enter **0** to confirm your agreement, then press **1**.

If you do not agree press **2**. In the next prompt enter **0** to confirm that you do not agree and then press **3**. CTesK installation will be aborted in this case.

```
Press ENTER to read the text [Type q to quit] q
Please choose from the following options:
[ ] 1 - I accept the terms of the licence agreement
[X] 2 - I do not accept the terms of the licence agreement
To select an item enter its number, or 0 when you are finished: [0] 1
Enter 0 to continue or 1 to make another selection: [0] 0
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

Figure 11. The terms of the licence agreement.

Step 3

On the third step enter the licence key given to you in the text area and press **1**.

If you have no licence press **3**. CTesK installation will be aborted in this case.

```
Enter the licence key in the text area and press Next to continue.
Enter licence key:
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

Figure 12. The licence key.

Step 4

On the fourth step press **1**, if you need to install CTesK just for the current system user. If you need to install CTesK for all system users, press **2**. After that press **0**, then **0** and **1**.

```
Please select install level
[X] 1 - Just for me
[ ] 2 - For all users
To select an item enter its number, or 0 when you are finished: [0] 1
Enter 0 to continue or 1 to make another selection: [0]
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

Figure 13. Install level.

Step 5

On the fifth step specify the directory to install CTesK in. By default CTesK installer uses C:\Program Files\CTesK for Windows platforms or /opt/CTesK for Unix ones. You may write its pathname by hands or use default pathname. To accept default pathname leave directory name empty and press **ENTER**. The installer will check rights for the directory chosen, you should have write access permissions. After it press **1** to continue.

```
CTesK Toolkit 2.2 build 20060802 Install Location
Please specify a directory or press Enter to accept the default directory.
Directory Name: [C:\Program Files\CTesK]
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

Figure 14. CTesK installation directory choosing.

Step 5a (Windows only)

Under Windows platforms the next step choose compilers you want to use and IDE installations to integrate into. If you want to integrate CTesK into Microsoft Visual Studio 6.0 then Microsoft Visual C 6.0 compiler should be selected. Choose needed compilers and IDEs and then, press **1**.

```

Please select compilers to be used with CTesK Toolkit
[X] 1 - Microsoft Visual C 6.0
[X] 2 - GCC
To select an item enter its number, or 0 when you are finished:[0]
Please select IDEs to integrate into
[X] 1 - Microsoft Visual Studio 6.0 with common files stored in
To select an item enter its number, or 0 when you are finished:[0]
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]

```

Figure 15. Choosing compiler(s) and IDE(s) to integrate into.

Step 6

On the sixth step you can see installation directory you have chosen and total size of CTesK after installation. If you want to change installation directory, return to the corresponding step with the help of key **2**, perform the necessary changes, and return to the information step with the help of button **1**. If the directory is set correctly, press **1**.

```

CTesK Toolkit 2.2 build 20060802 will be installed in the following
location:
C:\Program Files\CTesK
With support for the following compilers:
Microsoft Visual C 6.0
GCC
It will be integrated into the following IDEs:
Microsoft Visual Studio 6.0
Total space required:
14.29 MB
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]

```

Figure 16. Information on the installation options.

Wait while the installer copies the necessary files, creates uninstaller program, and registers CTesK in the system.

```

Installing CTesK Toolkit 2.2 build 20060802. Please wait...
0 % complete
30 % complete
40 % complete
50 % complete
80 % complete
90 % complete
Creating uninstaller...

```

Figure 17. Coping of the files and creation of the uninstaller program.

Step 7

On the final step you can see the installation results. Press **3** to finish installation.

The InstallShield Wizard has successfully installed CTesK Toolkit 2.2 build 20050408. Choose Finish to exit the wizard.
Press 3 to Finish or 4 to Redisplay [3]

Figure 18. Finish the installation.

As installation is complete you can start using all the features of CTesK. The basic concepts of CTesK you can find in the *Getting Started* document.

Uninstallation of CTesK

Uninstallation could be performed in two modes console and graphical. By default uninstallation will start in graphical mode. To start uninstallation in console mode use option `-console` (See *Uninstalling in console mode* section).

Uninstalling in graphical mode

To start CTesK uninstall process on Windows platforms, go to the **Start Menu/Settings/Control Panel**, double-click **Add/Remove Programs** icon, and find CTesK item in the list of installed applications. Select this item and click **Change/Remove** button appeared near it (on Windows NT/2000/XP) or **Add/Remove . . .** (on Windows 98/ME).

To start CTesK uninstall process on Unix platforms, go to the `_uninst` subdirectory of CTesK home directory, and start **uninstaller** executable file.

Step 1

Click **Next** button in the opened window.

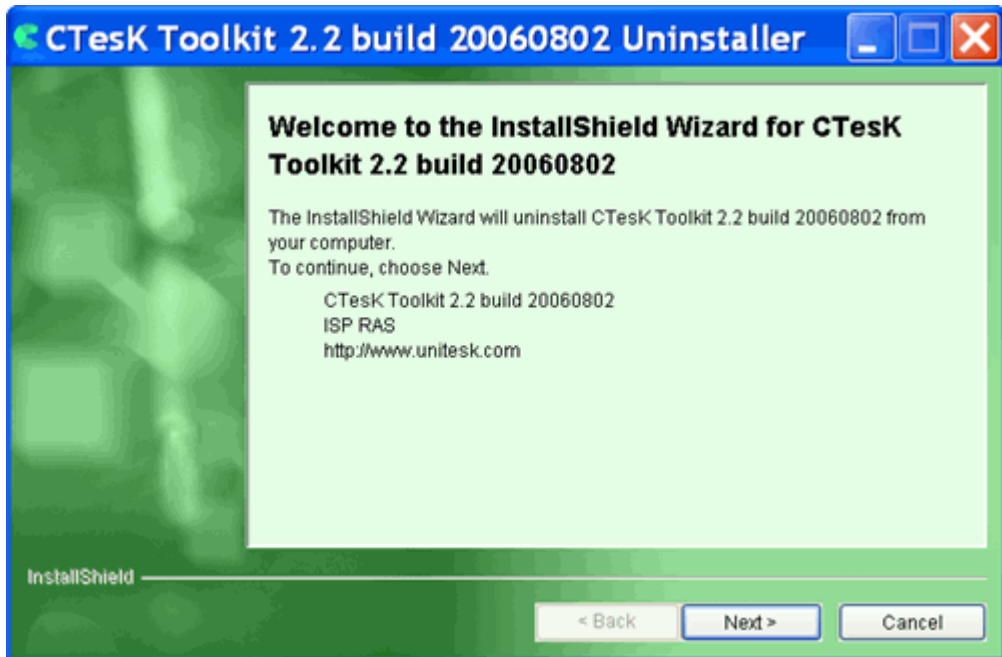


Figure 19. CTesK uninstaller.

Step 2

The next step presents the information of uninstall options. Click **Next** button. Wait for uninstall process to finish. After it uninstallation results window should appear.

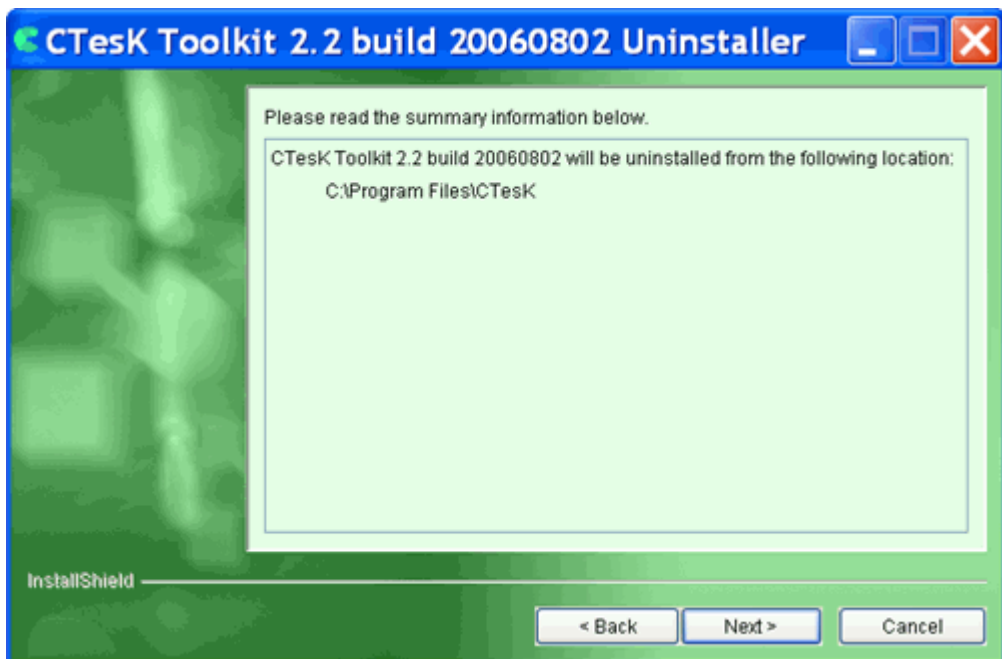


Figure 20. Information on the uninstallation options.

Step 3

Click **Finish** button after the end of uninstallation process.

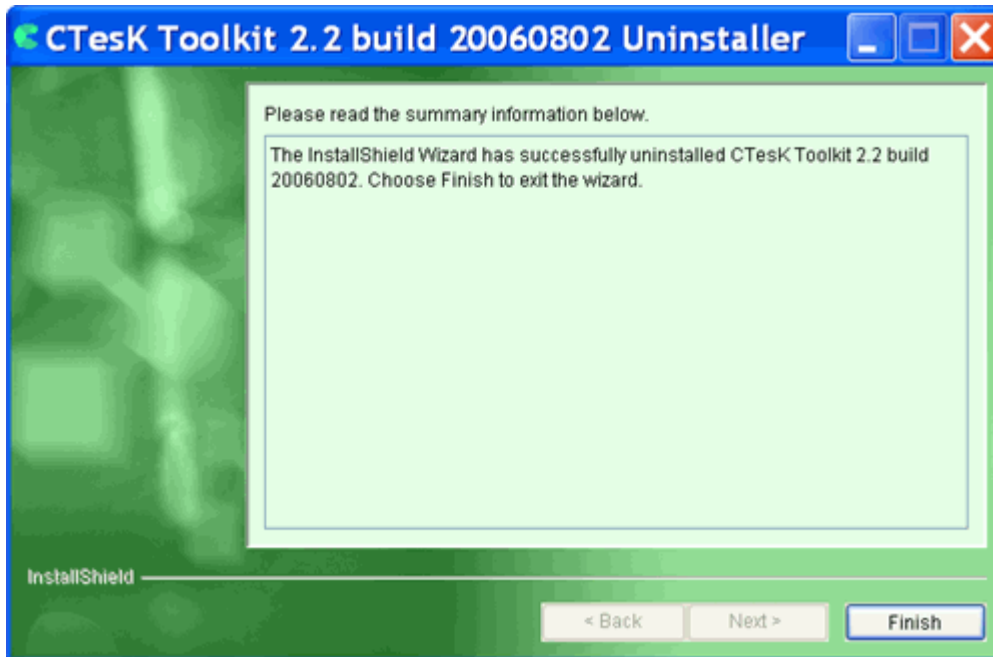


Figure 21. Finish the uninstallation.

Uninstalling in console mode

To start CTesK uninstall process in console mode, go to the `_uninst` subdirectory of CTesK home directory, and start `uninstaller` executable file with option `-console`.

Step 1

On the first step press **1** to continue uninstallation.

```
Welcome to the InstallShield Wizard for CTesK Toolkit 2.2 build
20060802

The InstallShield Wizard will uninstall CTesK Toolkit 2.2 build
20060802 from your computer.

To continue, choose Next.

CTesK Toolkit 2.2 build 20060802
ISP RAS
http://www.unitesk.com

Press 1 for Next, 3 to Cancel or 4 to Redisplay [1]
```

Figure 22. CTesK uninstaller.

Step 2

The second step is informative. It presents the information of uninstall options. Press **1** and wait for uninstall process to finish. After it uninstallation results window should appear.

CTesK Toolkit 2.2 build 20060802 will be uninstalled from the following location:
 C:\Program Files\CTesK
 Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]

Figure 23. Information on the uninstallation options.

Step 3

Press 3 after the end of uninstallation process.

Uninstalling CTesK Toolkit 2.2 build 20060802...
 The InstallShield Wizard has successfully uninstalled CTesK Toolkit 2.2 build 20060802. Choose Finish to exit the wizard.
 Press 3 to Finish or 4 to Redisplay [3]

Figure 24. Finish the uninstallation.

Known installation issues

If you encounter a problem while installing CTesK, please check for information on known installation issues the next table. If the problem does not appear there, please contact UniTesK Support Service by e-mail support@unitesk.com or by phones +7 (095) 912-53-17 (4404, 4405, 4422).

Issue No	Installation problem description	Possible solution
1	At the beginning of installation the message on CTesK installer cannot find an appropriate JVM (Java Virtual Machine) is appeared.	Install J2RE (Java 2 Runtime Environment) version 1.4.0 or higher, if JVM has not been installed. Otherwise run the installer with option -is:javahome <JAVA HOME DIR>
2	At the beginning of installation the message "Installer requires JVM 1.4.0 or higher to be installed on your computer" appears.	The version of JVM found by installer is less than 1.4.0. If J2RE (Java 2 Runtime Environment) version 1.4.x or higher has not been installed, install it and run installation again. Otherwise, if you are running linux or windows executable run the installer with option -is:javahome <JAVA HOME DIR>, if you are running Java archive, make sure that you are running it with JVM 1.4.0 or higher.
3	Under Windows platforms with integration into Visual Studio, the installer	If <VsCommonDir>MSDev98\Bin directory contains usertype.dat file, the installer will ask you to overwrite this file (here

CTesK 2.2: Installation Instructions

	asks you to overwrite usertype.dat file.	<VsCommonDir> is the Visual Studio common files directory). Choose yes if you want to overwrite it and no otherwise. Note that overwriting of usertype.dat could disable some syntax highlighting available before CTesK installation. If you have chosen no option you should add SEC keywords to usertype.dat manually. The list of SEC keywords can be found in the <ctesk>\vs\usertype.dat file (here <ctesk> is the CTesK installation directory).
4	Under Windows 98 CTesK installer process does not stop after the last window is closed. The temporary directory used by the installer also preserves.	Use Windows Task Manager to stop this process manually.
5	Under Windows platforms with integration into MS Visual Studio, if MS Visual Studio was running during installation, CTesK Toolbar will not appear.	In Tools menu choose Customize item. In Customize dialog switch to Add-ins and Macro Files tab. Click on CTesK Addin check box to enable CTesK Addin. Close dialog. CTesK Toolbar should appear.
6	Under Windows platforms sec.sh and ctesk-rg.sh were not installed in bin/ directory of the CTesK installation.	Start appropriate CTesK setup executable again. On the <i>Choosing compiler(s) and IDE(s) to integrate into</i> step select GCC compiler to be used.