

**CTesK 2.1**

**Installation Instructions**

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This document provides information about installation issues for CTesK 2.1. 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 2.1 could be installed at any platform supported JRE (Java Runtime Environment) 1.4.x and ANSI C89, C99-compatible compiler.

CTesK has been trialed under

- Windows 98
- 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 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.

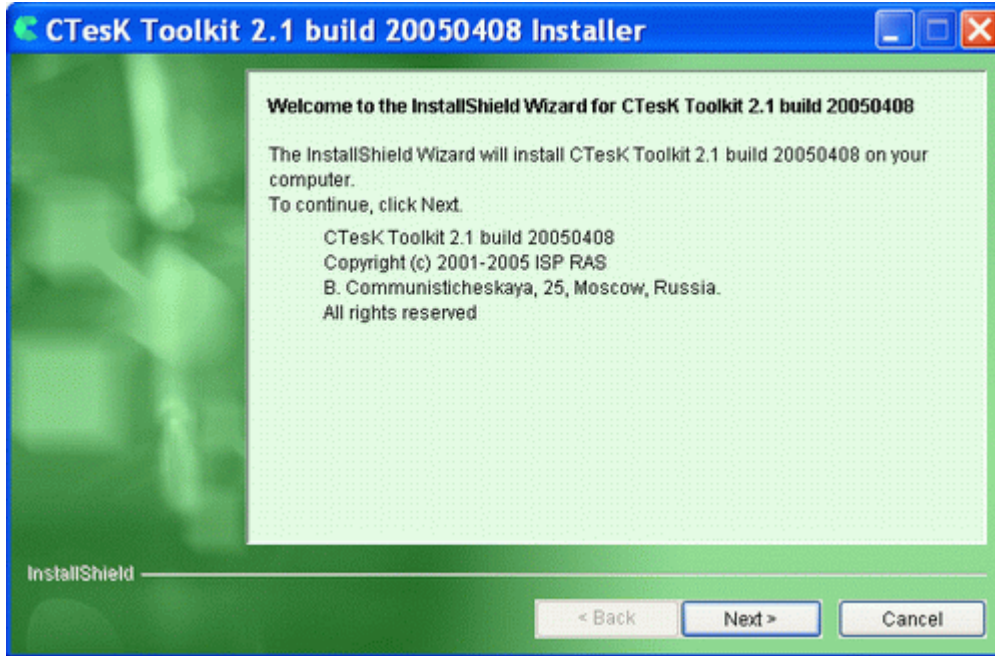
To start installation, start appropriate CTesK setup executable contained in CTesK installation package. The list of setup executables and corresponding platforms are presented in the following table.

Setup executable	Platforms
<b>ctesk-setup-win32-2.1.exe</b>	Windows
<b>ctesk-setup-linux-2.1</b>	Linux
<b>java -jar ctesk-setup-2.1.jar</b>	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

The next window contains the license agreement. Please, read it carefully and check the point on your agreement with the terms of the license. 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 license, click **Cancel** button. CTesK installation will be aborted in this case.

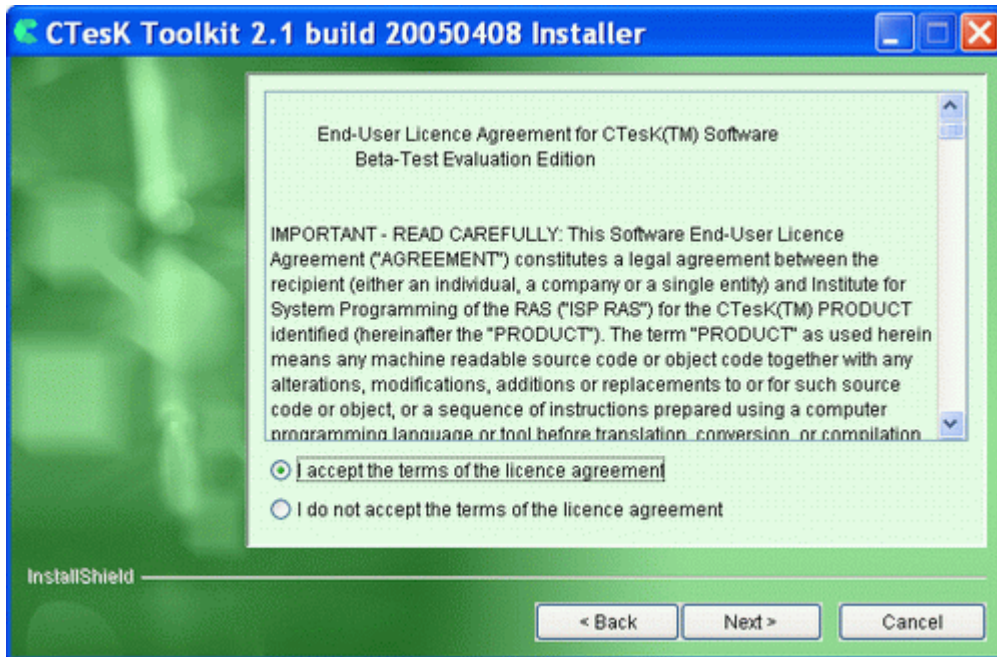


Figure 2. The terms of the license agreement.

### Step 3

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.

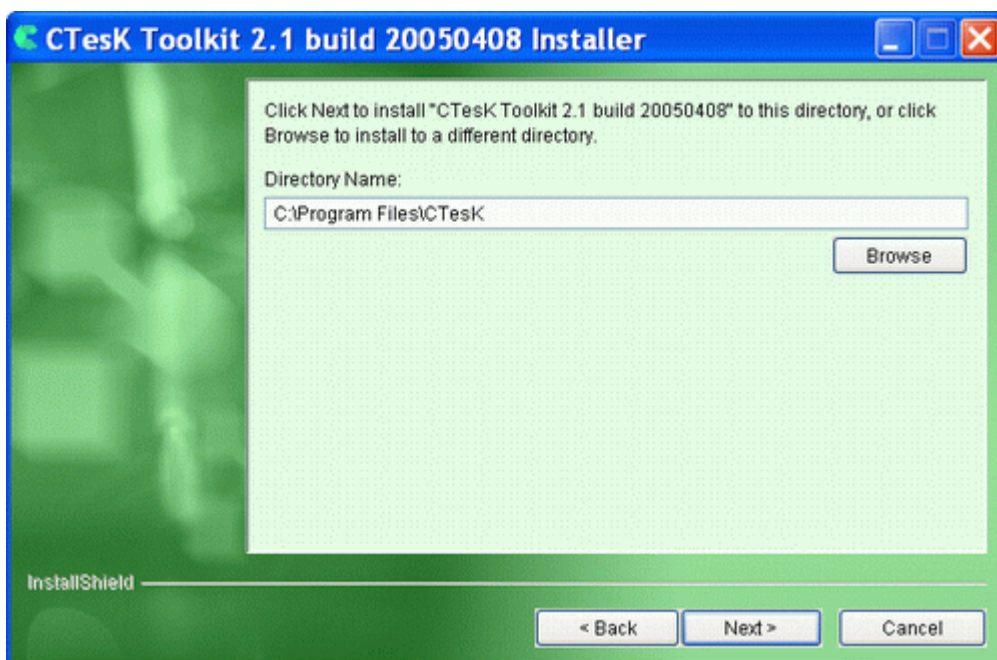


Figure 3. CTesK installation directory choosing.

### Step 3a (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.

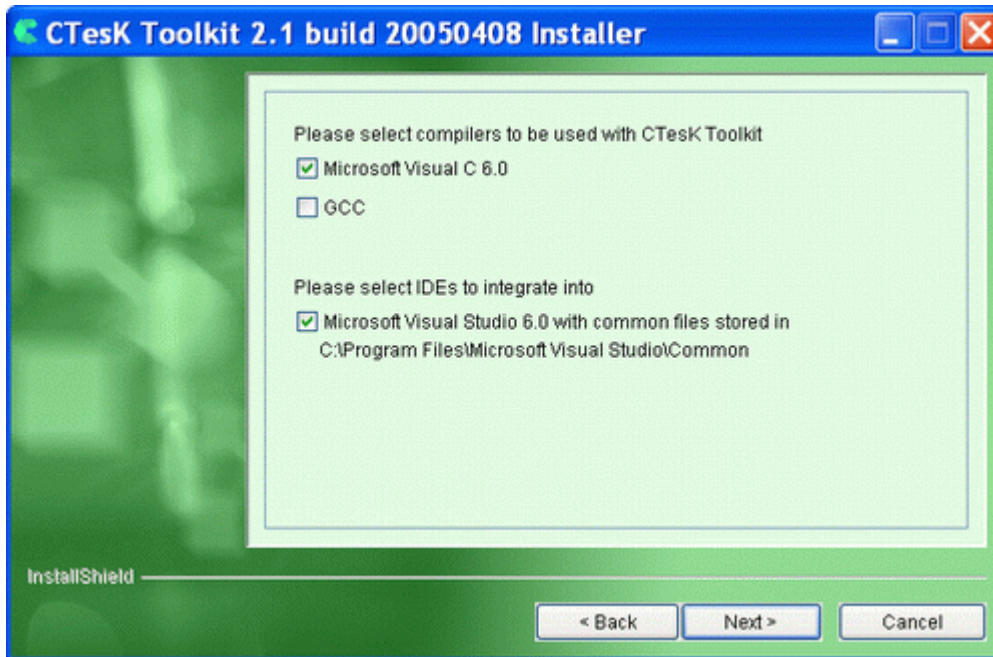


Figure 4. Choosing compiler(s) and IDE(s) to integrate into.

#### Step 4

The next window you can see the installation directory you have chosen and total size of CTestK 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.

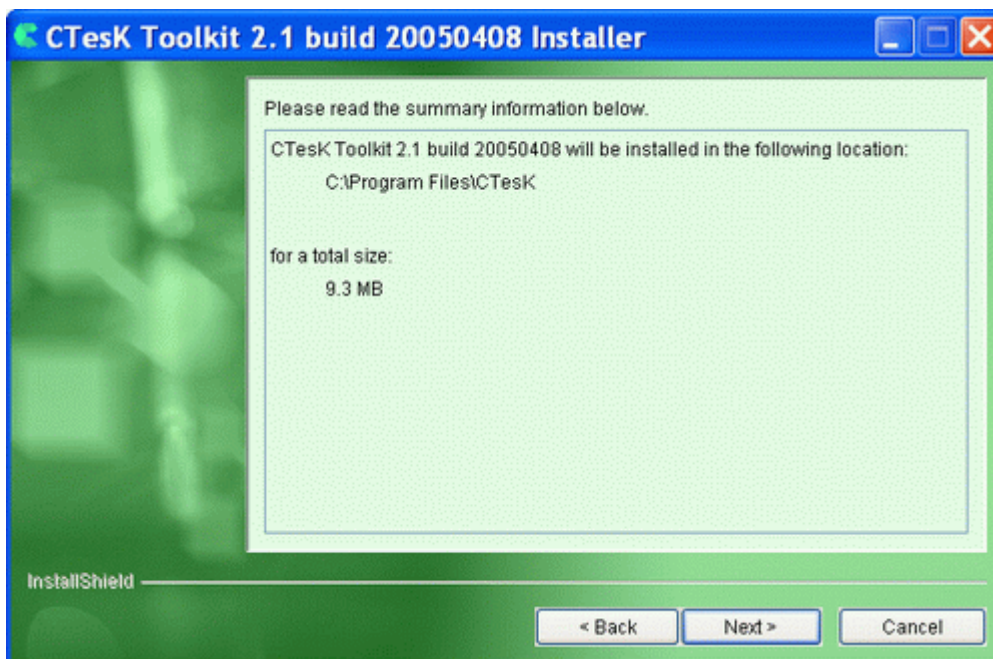
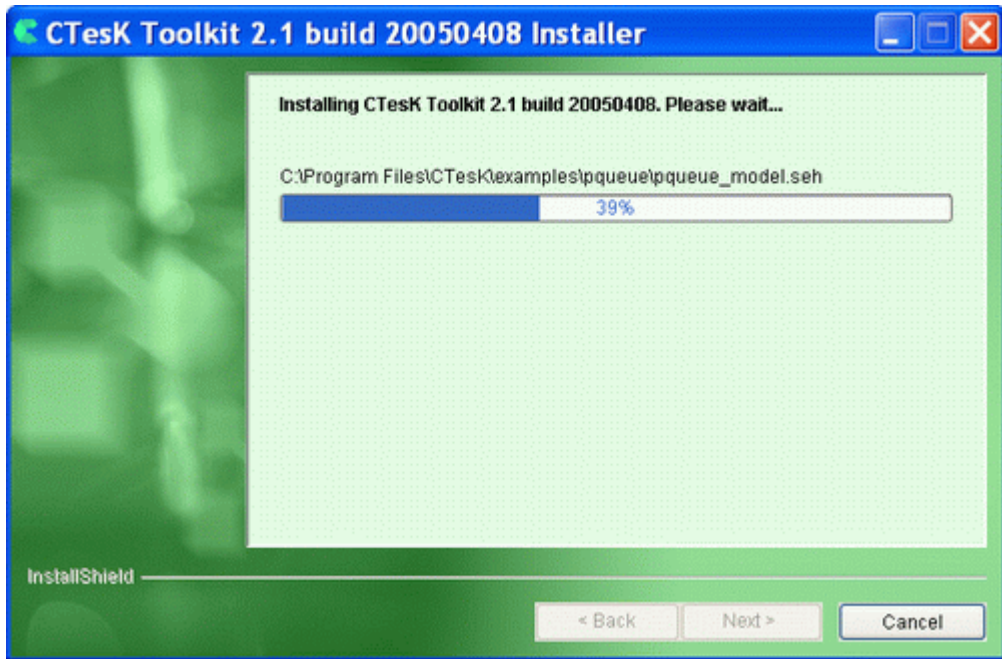


Figure 5. Information on the installation options.

Wait while the installer copies the necessary files, creates uninstaller program, and registers CTestK in the system. After it installation results window should appear.



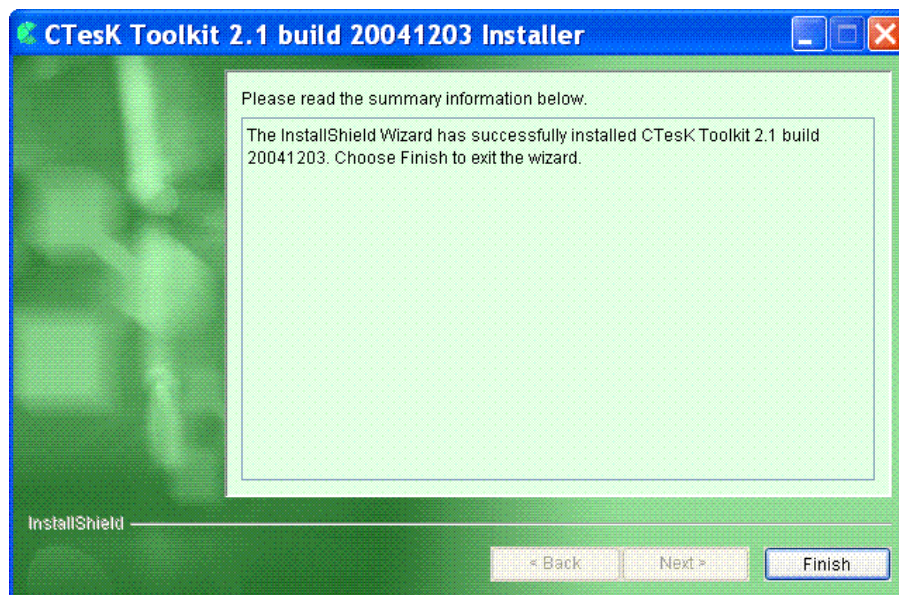


**Figure 6. Coping of the files and creation of the uninstaller program.**

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

### Step 5

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



**Figure 7. 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.

Setup executable	Platforms
<code>ctesk-setup-win32-2.1.exe -console</code>	Windows
<code>ctesk-setup-linux-2.1 -console</code>	Linux
<code>java -jar ctesk-setup-2.1.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 2.1 build
20050408

The InstallShield Wizard will install CTesK Toolkit 2.1 build
20050408 on your
computer.

To continue, click Next.

CTesK Toolkit 2.1 build 20050408
Copyright (c) 2001-2005 ISP RAS
B. Communisticheskaya, 25, Moscow, Russia.

All rights reserved

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

**Figure 8. General information.**

### Step 2

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

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

If you do not agree press button 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 9. The terms of the license agreement.**

### Step 3

On the third 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 2.1 build 20050408 Install Location
Please specify a directory or press Enter to accept the default directory.
Directory Name: [/opt/CTesK]
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

**Figure 10. CTesK installation directory choosing.**

### Step 3a (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 button 1.

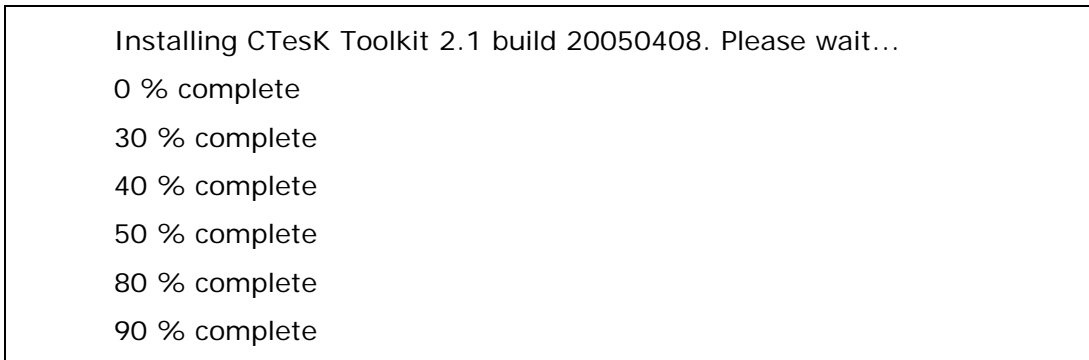
### Step 4

On the fourth 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 button 2, perform the necessary changes, and return to the information step with the help of button 1. If the directory is set correctly, press button 1.

```
CTesK Toolkit 2.1 build 20050408 will be installed in the following
location:
/opt/CTesK
for a total size:
8.7 MB
Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]
```

**Figure 11. Information on the installation options.**

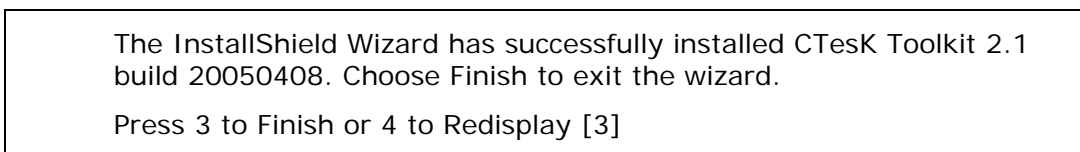
Wait while the installer copies the necessary files, creates uninstaller program, and registers CTesK in the system. After it installation results window should appear.



**Figure 12. Coping of the files and creation of the uninstaller program.**

## Step 5

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



**Figure 13. 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.

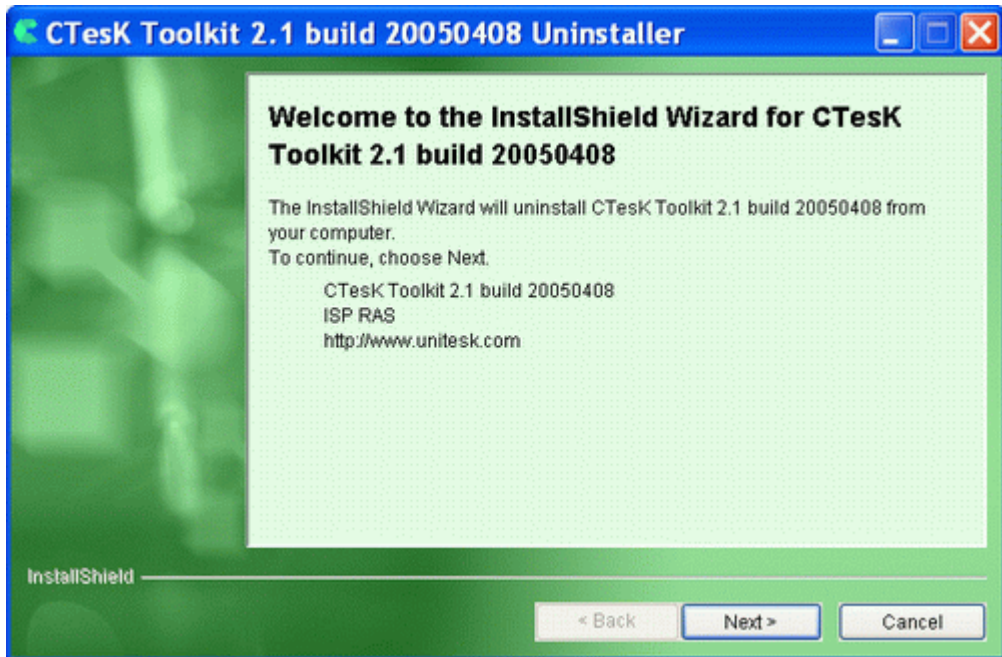


Figure 14. CTesK uninstaller.

### Step 2

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

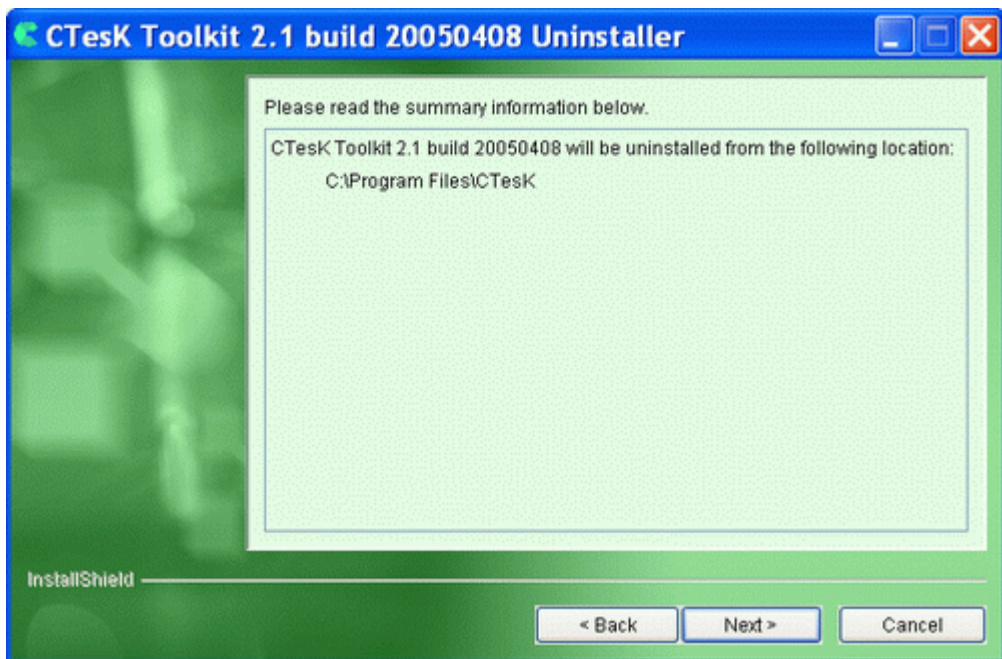


Figure 15. Information on the uninstallation options.

### Step 3

Click **Finish** button in the window appearing after the end of uninstallation process.

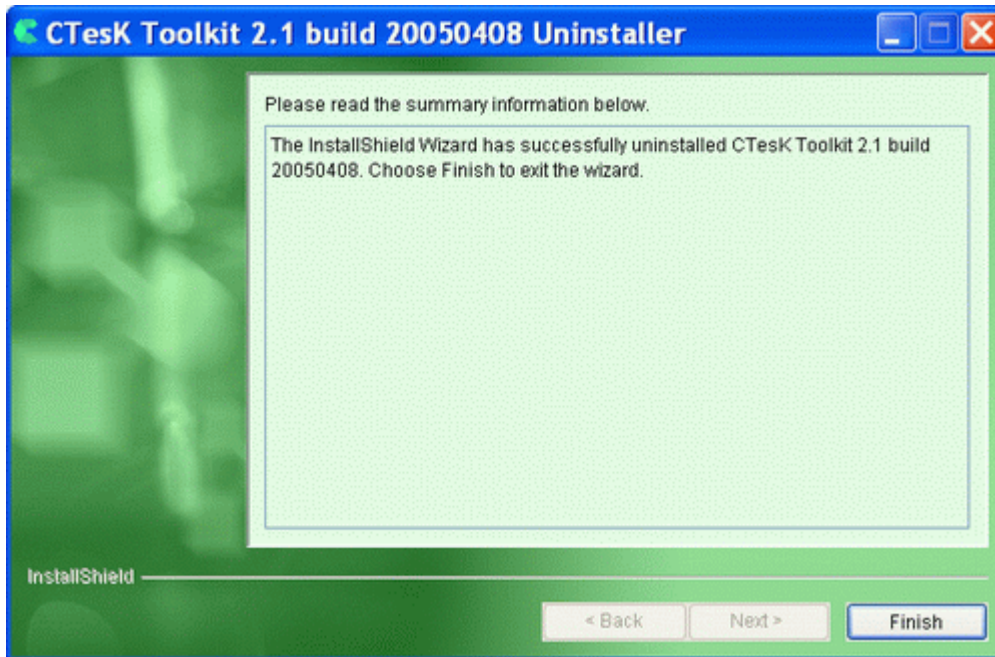


Figure 16. Finish the uninstallation.

## 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 button 1 to continue uninstallation.

```
Initializing InstallShield Wizard...
Welcome to the InstallShield Wizard for CTesK Toolkit 2.1 build
20050408
The InstallShield Wizard will uninstall CTesK Toolkit 2.1 build
20050408 from your computer.
To continue, choose Next.
CTesK Toolkit 2.1 build 20050408
ISP RAS
http://www.unitesk.com
Press 1 for Next, 3 to Cancel or 4 to Redisplay [1]
```

Figure 17. CTesK uninstaller.

### Step 2

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

CTesK Toolkit 2.1 build 20050408 will be uninstalled from the following location:  
 /opt/CTesK  
 Press 1 for Next, 2 for Previous, 3 to Cancel or 4 to Redisplay [1]

**Figure 18. Information on the uninstallation options.**

### Step 3

Press button 3 after the end of uninstallation process.

Uninstalling CTesK Toolkit 2.1 build 20050408...  
 The InstallShield Wizard has successfully uninstalled CTesK Toolkit 2.1 build 20050408. Choose Finish to exit the wizard.  
 Press 3 to Finish or 4 to Redisplay [3]

**Figure 19. 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](mailto: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.x, if JVM has not been installed. Otherwise run the installer with option -is:javahome <JAVA HOME DIR>
2	Under Windows platforms with integration into Visual Studio, the installer asks you to overwrite usertype.dat file.	If <VsCommonDir>MSDev98\Bin directory contains usertype.dat file, the installer will ask you to overwrite this file (here <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).



## CTesK 2.1 Installation Instructions

3	<p>Under Windows 98 CTesK installer process does not stop after the last window is closed.</p> <p>The temporary directory used by the installer also preserves.</p>	<p>Use Windows Task Manager to stop this process manually.</p>
4	<p>Under Windows platforms with integration into MS Visual Studio, if MS Visual Studio was running during installation, CTesK Toolbar will not appear.</p>	<p>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.</p>
5	<p>Under Windows platforms <code>sec.sh</code> and <code>ctesk-rg.sh</code> were not installed in <code>bin/</code> directory of the CTesK installation.</p>	<p>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.</p>