EOD software module 2.6
Administrator's manual

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Welcome

Welcome to the Administrator's Manual for EOD software module version 2.6 – TG Admin.

The present manual should help administrators of EOD software module in the process of system installation, to solve problems arising during installation and understand peculiarities of on-line technical manual team preparation system.

Audience

The present manual is intended for the network and database administrators responsible for EOD software module administering. It is assumed that the reader is acquainted with terms specific for these spheres.

Notation Agreements

The following agreements are used in the document text to mark out different meanings in the text of the manual:

Pattern	Description
Italics	system component names or new terms
Bold	names of dialog windows, interface keys and menu items
unseriffed	identification of chapters and sections of the present document
SMALL CAPS	combinations of keys to be pressed
`monospace`	text typed from the keyboard
	buttons of graphic interface

Besides the following agreements concerning abbreviation of identifications and names are used:

Abbreviation	Description
DBMS	DataBase Management Systems
context menu	menu opening in the indicator position by right-click
EOD	Electronic operational documentation
system	EOD software module

Additional Information

This document is delivered together with the product in electronic form as a reference system.

Chapter 1. General data on EOD software module architecture

The EOD system for technical documentation development consist of subsystems, dedicated to: supervision of development process (TG Admin), creation of templates (TG Designer), development of data modules and CSDB management (TG Builder), browsing of interactive technical publications (TG Browser). Further, in the frame of this manual, mentioned above names of subsystems will be widely used.

EOD software module is a system of on-line technical manuals team preparation. To prevent illegal use EOD software module package is protected by the hardware and software protection system Guardant™, which consists of the Guardant™ dongle.

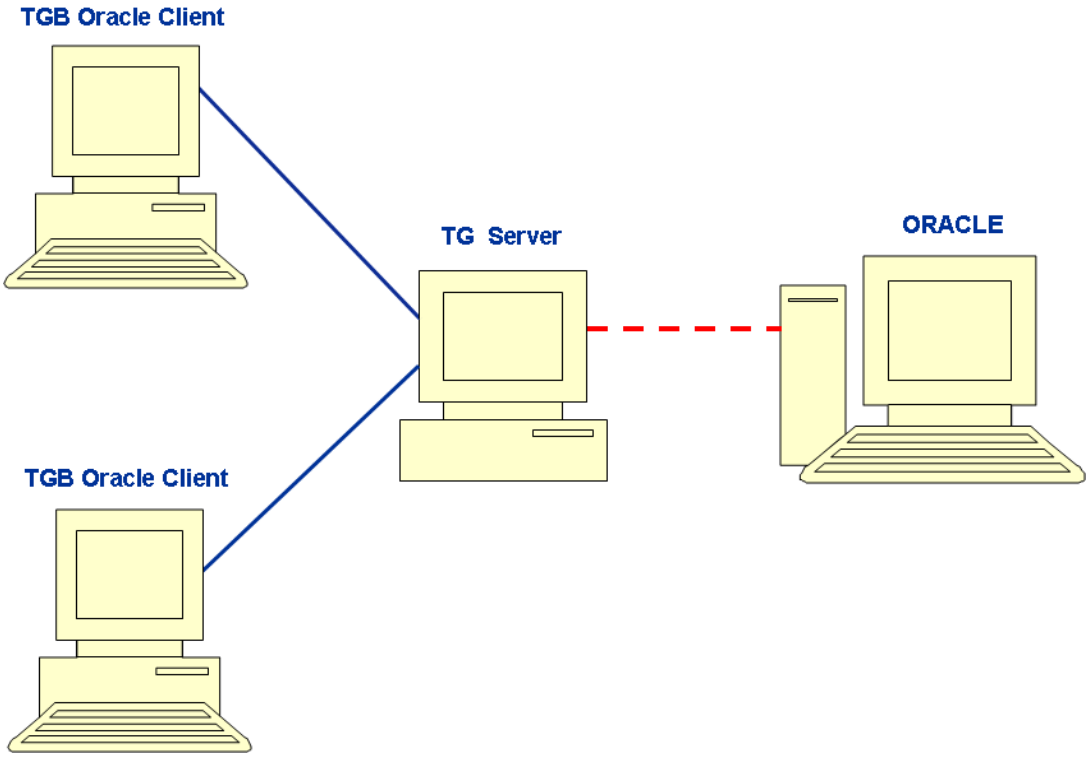
There are two version types of EOD software module:

- Local version.
- Network version.

The network version is intended for working in multi-user operation mode when several originators simultaneously develop one and the same project of electronic documentation. Due to the need to store data of big volume (audio, video, 3-D models, graphics etc.), network version of the EOD software module is based on ORACLE DBMS™, known all over the world as a reliable database to store big volumes of information.

The network version of the *system* includes three main components (Fig. 1.1):

- Client SW – TGB Oracle Client.
- Server SW – TG Server.
- ORACLE DBMS.



Main data flow between TGB Oracle Client and TG Server. Data exchange is performed through UDP network protocol.

Data flow between TG Server and ORACLE server. Data are exchanged based on Net8 protocol ([1]).

Fig. 1.1

EOD software module operates in the following way:

- TGB Oracle Client is connected to TG Server through TCP protocol, it is assigned an individual port for the further operation.
- Then all requests from client to TG Server and back replies are sent through UDP protocol.
- TG Server in turn translates client requests into requests to ORACLE server and returns received replies to the client.

A type of communication protocol for TG Server and ORACLE server depends on their relative position and protocol stack installed on workstations supporting TG Server and ORACLE functionality.

The dongle Guardant™ is one of the main guarantees of protection against illegal use of the *system*. During operation TG Server performs accounting of run copies of client SW called to TG Server from time to time. If an excessive number of simultaneously run licensed copies is detected, a new copy of the application will not start!

[1] Assumed a certain data exchange protocol to connect a client and the ORACLE server. For detailed information see "Oracle installation and setting", and also files of the ORACLE reference system.

Chapter 2. Software and Hardware Requirements

A computer planned for installation of a copy of network or local version of the *system* should meet some requirements of system and application software and meet some requirements for hardware.

2.1. Software Requirements

1. Operating system (any of listed below):
   - Windows 2000 Professional.
   - Windows 2000 Server.
   - Windows 2000 Advanced Server.
   - Windows XP Home / Professional Edition.
2. Supplementary SW (partially included in EOD software module delivery set):
   - Macromedia Flash Player 6 and its later versions.
   - MS Internet Explorer 5.5 (to be installed where required).
   - Windows Media Player 7 and its later versions (to be installed where required).
3. SW for protection against unauthorized (unlicensed) use:

   Guardant soft/hardware protection system is used in the *system*. The protection system may include several independent USB-dongles for 1 (one) license each or one (or several) network USB- dongle for several licenses. In the latter case the system comprises also customized software – license server. Detailed information on the system application can be found at address:

   http://www.guardant.ru/hotline/download/manual/ .

To install a copy of TG Server 2.6 network version the computer should have Oracle DBMS version 8.1.6 or its later versions installed (for proper work Oracle DBMS version 9.2 is recommended) and prepared database to store information of client part of the *system* network version.

CAUTION:

For correct operation of TG Server 2.6 and Oracle DBMS version 8.1.6 and 8.1.7 it is required to install additionally SW *Java™ 2 Runtime Environment Standard Edition* version 1.2.2_008 or its later versions. You can obtain the specified SW at:

http://java.sun.com/products/jdk/1.2/jre/download-windows.html

2.2. Hardware Requirements

To provide adequate operation of server part of the *system* network version (TG Server 2.6) the following computer configuration given in the table is recommended.

Table 2-1

Device	Possible options
CPU	AMD Athlon 64 3000+ <Socket754> or Intel Pentium-4 520 <2.8GHz, 800FSB, 1024Kb, LGA775>.
RAM	not less than 512 Mb (1024 Mb is recommended) DDR400, dual-port
HDD	not less than 160 GB (Serial ATA interface is recommended).
CD-drive	DVD-R/CD-RW (for file backup and database export).
Network interface card	not less than 100 Mbps (1Gbps is recommended) at each computer.
Printer	Laser printer of not less than 300 dpi resolution to print documentation in paper form.
Monitor	17", with resolution of up to 1024×768@85Hz or better.

Other parameters of computer and required peripherals are selected according to tasks assumed to be performed using the *system*.

A minimum computer configuration is given in the table below.

Table 2-2

Device	Possible options
CPU	AMD K6-III-500 or Intel Pentium III 500.
RAM	128 Mb
HDD	10 Gb.
Network interface card	10 Mbps at each computer.

Other parameters of computer and required peripherals are selected according to tasks assumed to be performed using the *system*.

To provide adequate operation of client part of the network version and the local version of the *system* the computer configuration specified in the table is recommended.

Table 2-3

Device	Possible options
CPU	AMD Athlon 64 2800+ <Socket754> or Intel Pentium-4 2400A <533FSB, 1024Kb, Socket478>.
RAM	not less than 256 Mb (512 Mb is recommended) DDR400.
HDD	not less than 40 Gb (80 Gb is recommended).
CD-drive	DVD-R/CD-RW.
Monitor	17", with resolution of up to 1024×768@85Hz or better.
The following is required to install a copy of network version:	
Network interface card	Not less than 100 Mbps (1Gbps is recommended) at each computer.

Other parameters of computer and required peripherals are selected according to tasks assumed to be performed using the *system*.

A minimum computer configuration is given in the table below.

Table 2-4

Device	Possible options
CPU	AMD K6-III-233 or Intel Celeron 300.
RAM	64 Mb.
HDD	4 Gb.
The following is required to install a copy of network version:	
Network interface card	10 Mbps at each computer.

Other parameters of computer and required peripherals are selected according to tasks assumed to be performed using the *system*.

Chapter 3. ORACLE installation and setting

This section describes steps of installation and setting of ORACLE DBMS, the administrator should pay attention to.

3.1. ORACLE installation

ORACLE installation is performed in accordance with the installation program instructions. All Oracle setting options can be kept default. It is necessary to create a database on ORACLE server, it is possible to leave all default settings.

3.2. ORACLE setting

To install a database of EOD software module to ORACLE it is necessary to set ORACLE communication service.

3.2.1. Communication service (alias)

For the system operation it is necessary to register communication service (*Net Service*) with name `ietm_service` on each computer where ORACLE server and TG Server are installed. It is possible to create the service manually and using programs from ORACLE delivery. In ORACLE *9.2* (9.2.x) this utility program is called *Net Configuration Assistant.*

3.2.2. Communication service setting for ORACLE version 9.2.x

Net Configuration Assistant program is made as a wizard. Setting is performed step by step, and the wizard displays the separate window tab for each step. To move between the program tabs **Next** (move to the next window of the program) and **Back** (move to the previous window) buttons are used.

1. To start the program select **Start | Program | Oracle – OraHome 92| Configuration and Migration Tools| Net Configuration Assistant** in OS Windows system menu.
2. In the first program window specify a type of set configuration selecting **Local Net Service Name configuration** (Fig. 3.1)**.**

Fig. 3.1

3. In the next window specify a type of action – **Add** (Fig. 3.2).

Fig. 3.2

4. In the database version selection window specify a type of base **Oracle 8i or later database or service** (Fig. 3.3).

Fig. 3.3

5. Then enter a name of service (Fig. 3.4). A service name usually matches a database name (by default the first base ORACLE is assigned a name `ORCL`).

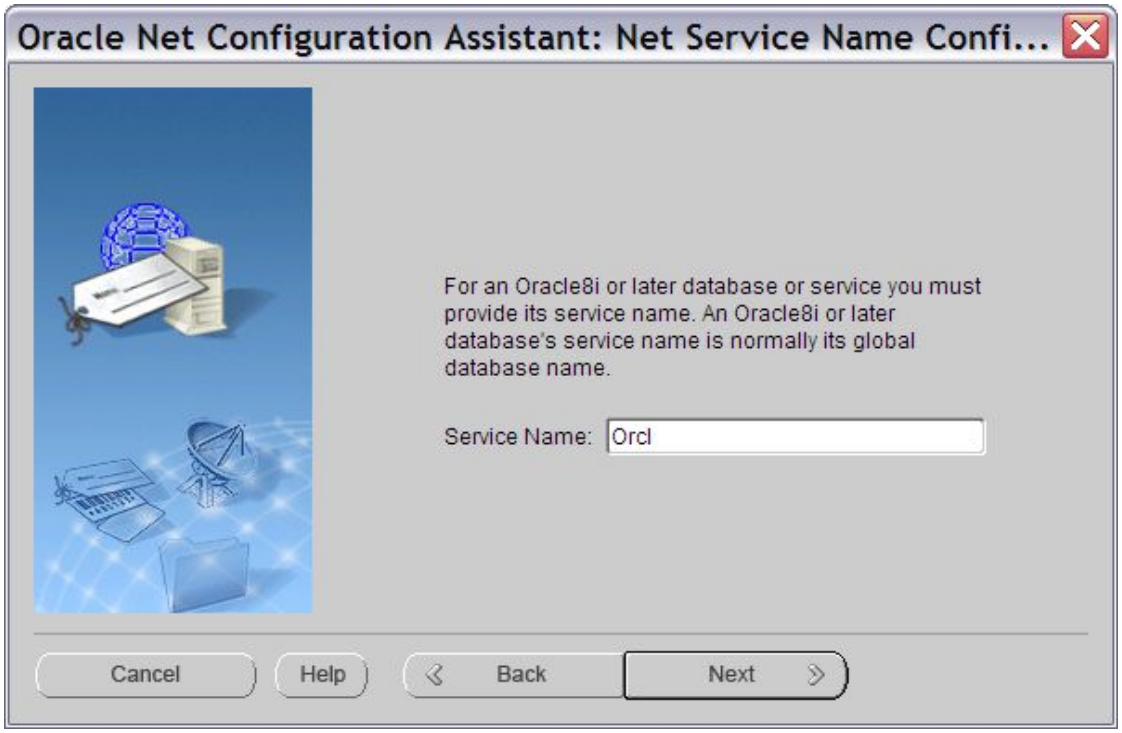


Fig. 3.4

6. In the network protocol selection window select a type of protocol, e.g. **TCP** (Fig. 3.5). If your network is set for operation with another protocol, then in this window it is necessary to select the corresponding protocol and set it in the next windows.

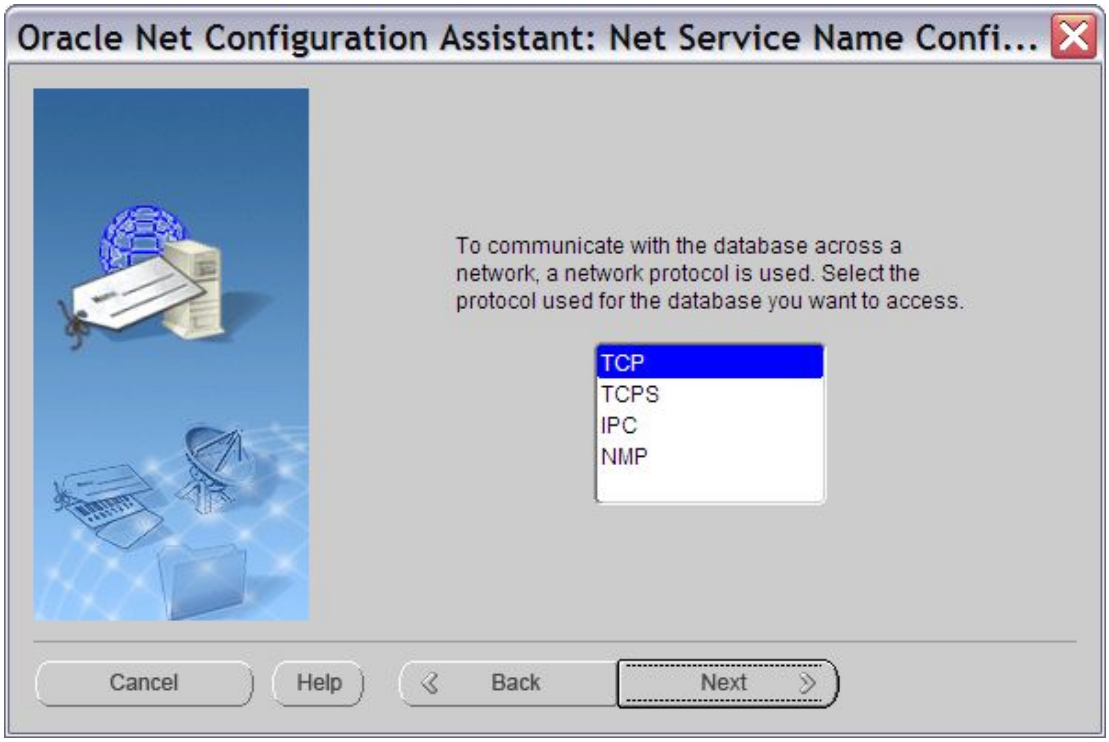


Fig. 3.5

7. Enter IP-address of computer with ORACLE DB or its name (Fig. 3.6) in **Host Name** field of the next window.

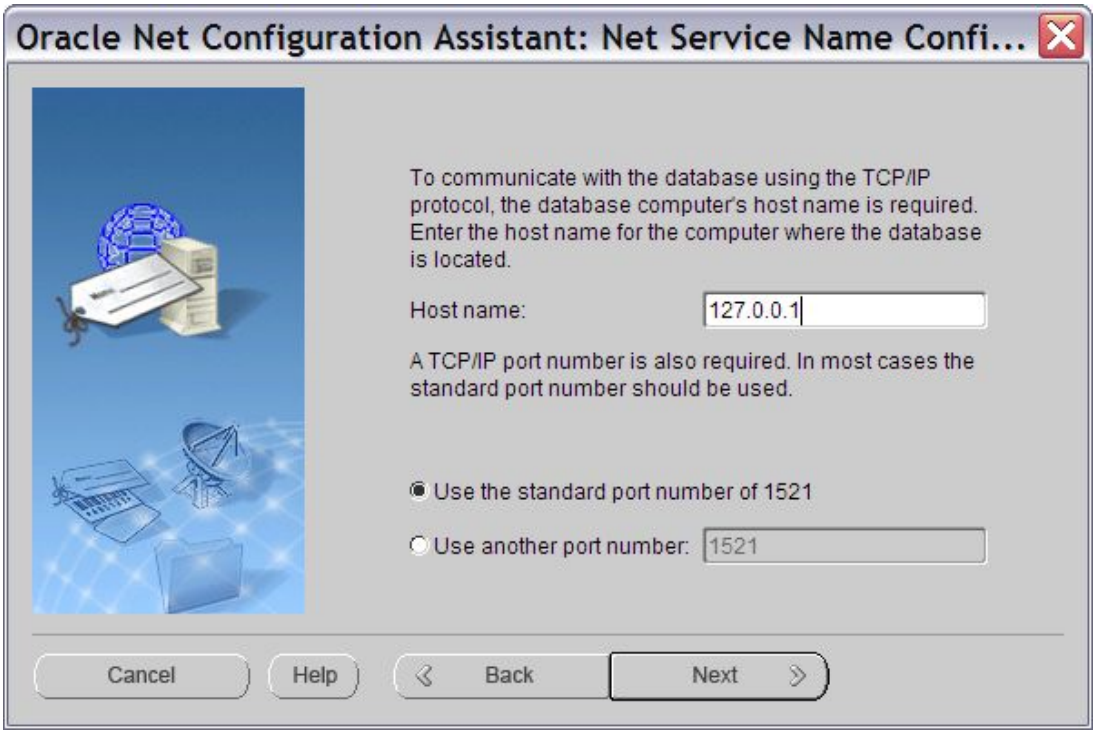


Fig. 3.6

8. After setting the protocol the program will provide an option to test connection (Fig. 3.7).

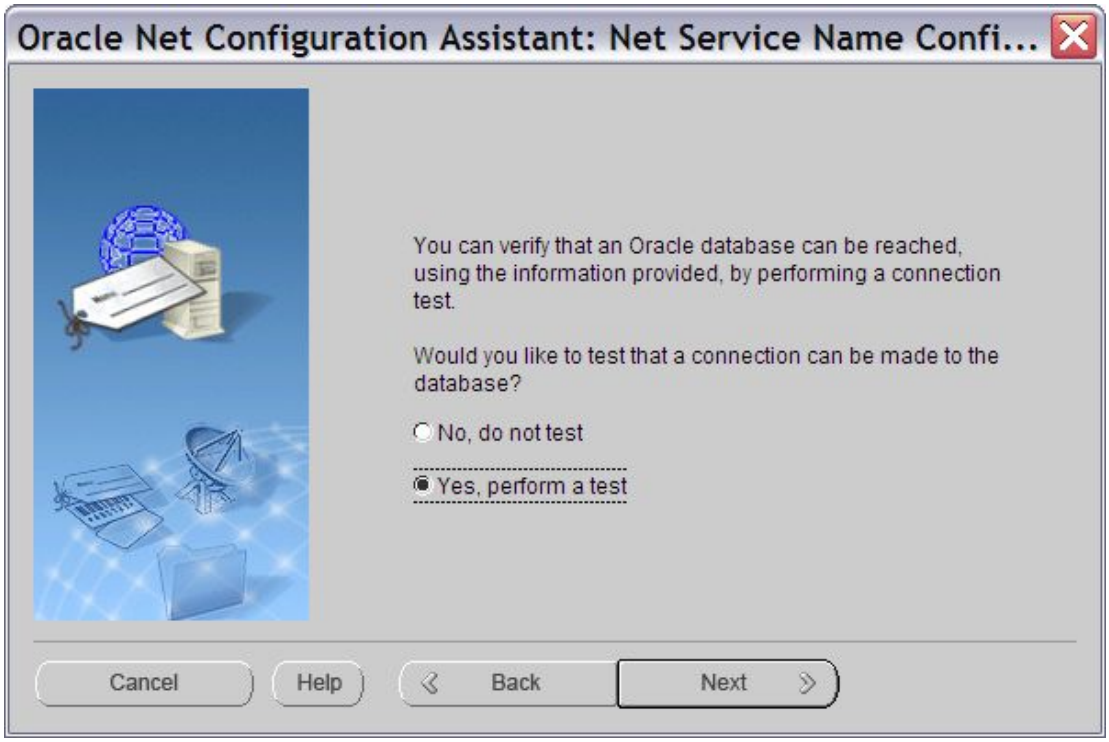


Fig. 3.7

9. After testing enter the service name – "`ietm_service`" and exit the setup program using **Next** button (Fig. 3.8).

Fig. 3.8

10. In the next window answer **No** the question on the next service configuration and press **Next** button (Fig. 3.9).

Fig. 3.9

11. To terminate the wizard press **Cancel** button in the next window.

3.2.3. Communication service manual setting

When setting communication service manually it is necessary to find in ORACLE home directory file `home_dir\NETWORK\ADMIN\TNSNAMES.ORA` (for ORACLE *9.2.x*), where `home_dir` – folder name (usually Ora92), where ORACLE is installed and add the following lines (for ORACLE network mechanism which operates based on TCP/IP):

```
IETM_SERVICE =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST = X.X.X.X)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = orcl)
    )
  ))
```

where `X.X.X.X` – the computer IP address where ORACLE server is installed or its domain name.

For simplicity it is possible to copy this record from the existing record, e.g. from `Tcp-loopback.world` and then correct IP address.

Communication service can work on a base of TCP/IP as well as other network protocols.

Chapter 4. Network version server part installation

This section describes a *system* network version service part installation process (TG Server 2.6). All examples are given for version 2.6.0 (TG Server 2.6 Release 2.6.0).

4.1. TG Server installation process

Installation should be performed by Windows OS user having the administrator's rights. The installation program is made as a wizard. Installation is performed step by step, the wizard displays a new window for each step. To move to the next step press **Next** button in the dialog window of the wizard, to return to the previous step press **Back** button.

> **CAUTION**:
>
> Before installation it is strongly recommended to close all applications run earlier.

To install TG Server 2.6:

1. Run file *tgb-2.6.X-server-setup.exe*[2] located on the disk with license copy of this product. For this purpose select a file and press ENTER or double click by the left mouse button. After the installation program run the wizard window will be displayed (Fig. 4.1).

[2] A symbol "X" in a file name indicates an issue number. In this example – file *tgb-2.6.0-server-setup.exe.*

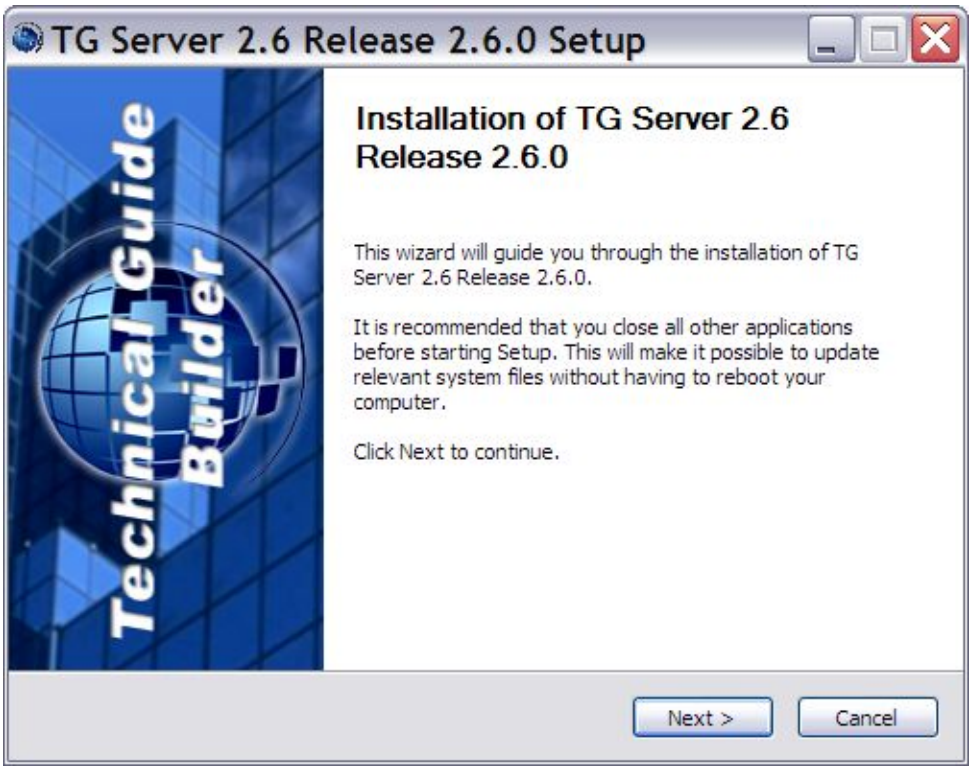


Fig. 4.1

2. To continue installation press **Next** button. Attentively read the License Agreement in the displayed dialog window. If you agree with all the items select *I accept license agreement* and press **Next** button.

   If you do not agree with the license agreement terms exit the setup program. For this purpose press **Cancel** button and confirm installation cancellation in the displayed window pressing **Yes** button.

3. After accepting the terms of the license agreement select TG Server 2.6 program components you desire to install (Fig. 4.2):

   - Shortcuts.
   - Register and run TGB service.

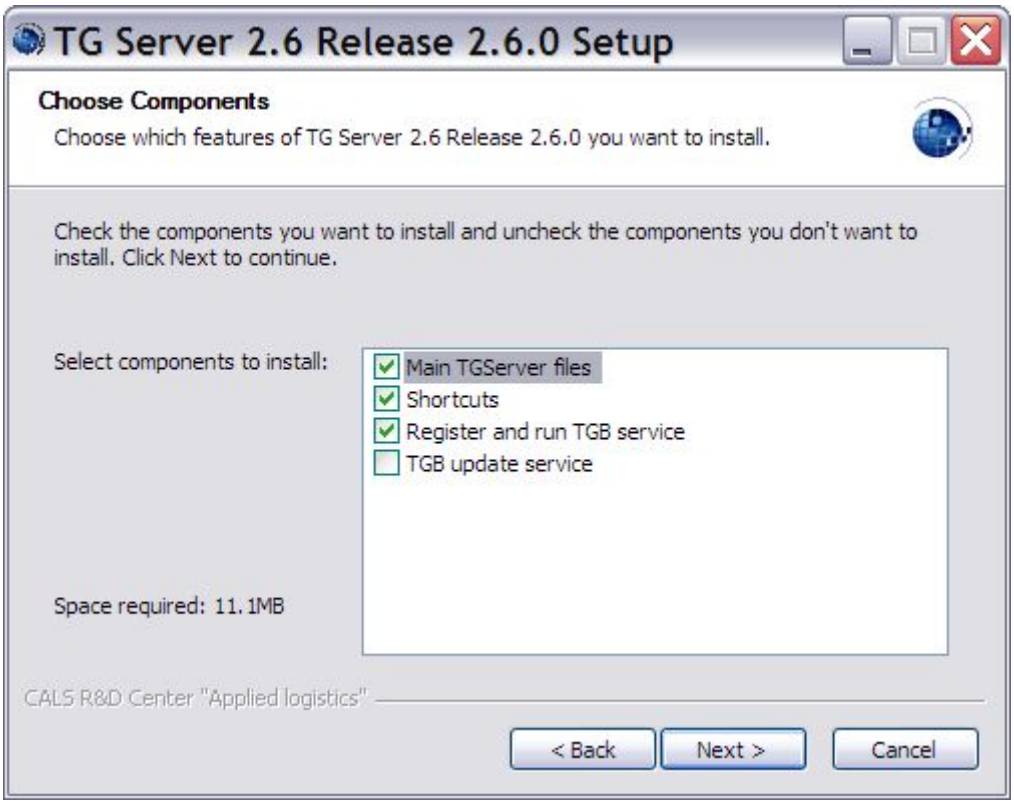


Fig. 4.2

If it is not necessary to install any component, uncheck the corresponding flag.

4. To continue installation press **Next** button. In the next window select folder where the program will be installed (Fig. 4.3). The folder for installation is *C:\Program Files\TGServer 2.6* by default.

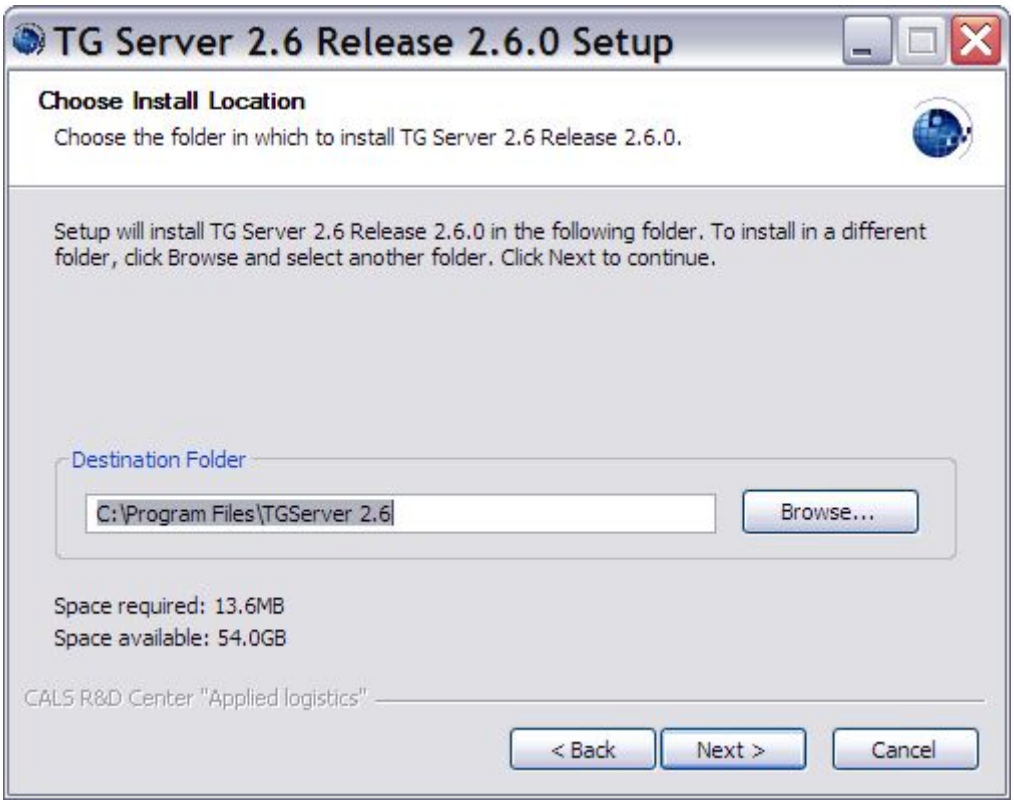


Fig. 4.3

It is possible to change a folder for installation. For this purpose press **Browse…** button and select a folder for program installation in **Browse** window. It is possible to select the existing folder or create a new one.

The next step of installation is performed only if the program shortcuts are selected as installed components (see step 3). If the program shortcuts are not installed, then **Next** button changes the appearance into **Install** button in the wizard shown in and after pressing this button the program goes to the step 6. To continue installation press **Next** button (**Install**).

5. In the displayed window select folder where the program shortcuts will be located (Fig. 4.4). By default the shortcuts are located in *TG Server 2.6*. folder created automatically in *Start* menu. If this location is not satisfactory, you can select a folder where the folder with *TG Server 2.6* shortcuts will be located from the list. You can also change a name for the folder with shortcuts and enter it yourself. To continue installation press **Install** button.

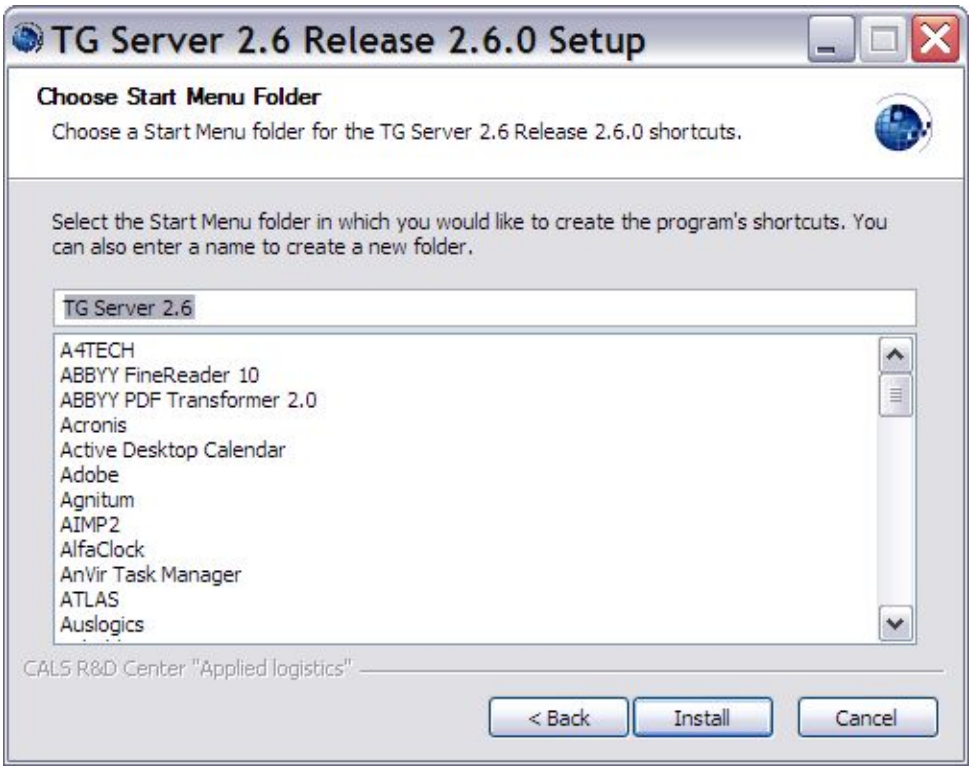


Fig. 4.4

6. When pressing Install button during the previous steps the program starts copying the files to your computer to the specified folder. When completing this procedure the window notifying of completed installation is displayed (Fig. 4.5). Press **Finish** button.

Fig. 4.5

Installation of TG Server 2.6 is completed successfully.

4.2. TG Server updating peculiarities

To update TG Server 2.6 program run installation of the new version. When running file *tgb-2.6.X-server-setup.exe* the warning window is displayed, it informs on necessity to delete the previous version and requests to confirm deletion.

When answering Yes the program deletes the version installed earlier and starts the process of TG Server 2.6 installation described in the previous section.

When No answer is selected, the window with a message on installation cancellation is displayed. Press **OK** button to close the window.

Chapter 5. TG Server

TG Server is an intermediate link between the client applications EOD software module at workstations and ORACLE DBMS. Beside intermediate functions TG Server allows automatically exporting, importing, deleting or clearing EOD software module database and operating with corresponding ORACLE services.

5.1. DB Generation in Oracle

Upon competing installation of ORACLE and TG Server 2.6 server components it is necessary to generate EOD software module database in ORACLE. For that proceed as follows:

1. Run administering utility *TG Server*. To run the administering utility call it through Windows OS system menu **Start | TG Server 2.6 | TG Server** or run the program *TGServerUI.exe* from the folder where a copy of the *system* (TG Server 2.6) network version was installed. Then **Specify Oracle location** dialog window will be displayed (Fig. 5.1).

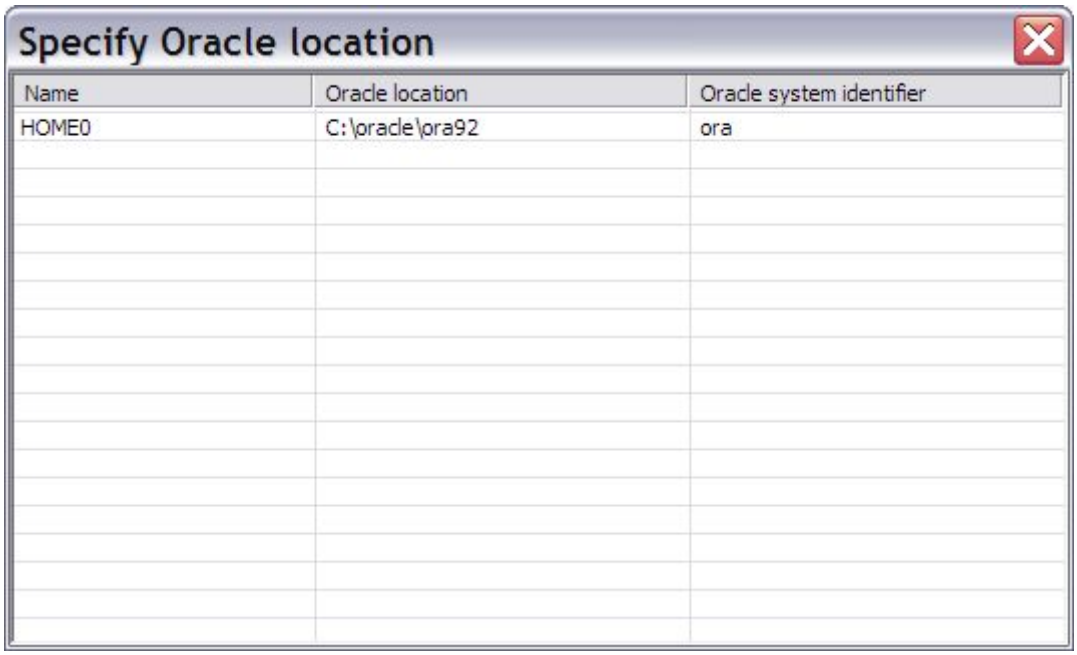


Fig. 5.1

2. In the window double left click and specify the correct location of ORACLE database where EOD software module system data will be stored (Fig. 5.1).
3. Enter name and password to access the database (Fig. 5.2). The name and password matches the name and password set when creating an empty database during ORACLE installation into the computer.

4. Select the corresponding service for communication with database in ORACLE (Fig. 5.2).

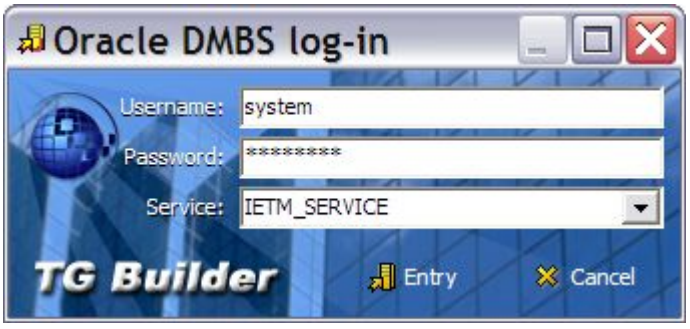


Fig. 5.2

5. Press **Entry** button. If all procedures are performed correctly, the main window of TG Server **TG Builder server administrator** utility is opened (Fig. 5.3). Go to **Utilities** tab.

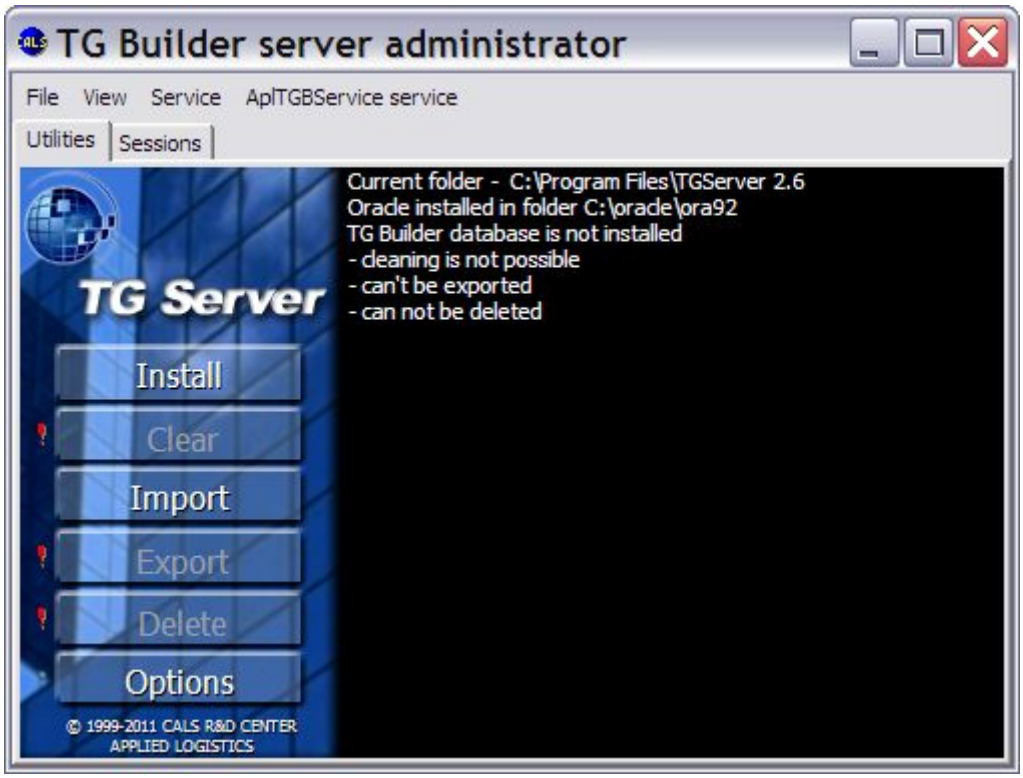


Fig. 5.3

If there is the old database, it is necessary to delete it before installation of new database. The procedure of DB deletion is given in section 5.2 "EOD software module database deletion".

To install EOD software module database press **Install** button. It generates base structure and imports a demonstrational example. If there is EOD software module data in ORACLE DB, then the window with the following message will be displayed: "To proceed with the operation delete files from the previous database. Are you sure you want to delete files?".

CAUTION:

Press **Yes** button only if you delete DB before it. Otherwise the control files required for ORACLE DB start will be deleted.

5.2. EOD software module database deletion

To delete EOD software module base press **Delete** button in **TG Builder server administrator** window (Fig. 5.4).

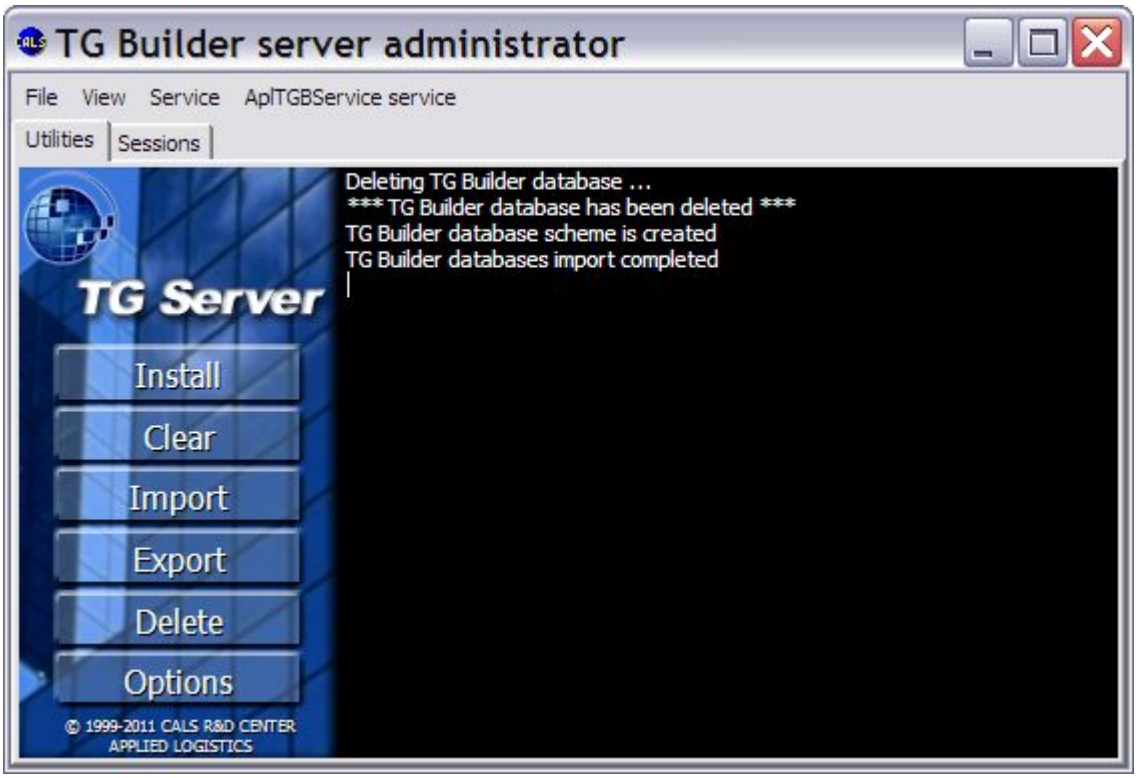


Fig. 5.4

CAUTION:

When performing this operation all data will be permanently deleted. If it is necessary to create data backup before it, perform export operation (see section 5.3 "EOD software module database export").

5.3. EOD software module database export

This operation is intended for EOD software module data backup. The export procedure is run from TG Server and performed by ORACLE means. The export operation is used to create an EOD software module data dump to transfer between different ORACLE DBMS versions.

CAUTION:

This operation should be performed on the computer that is the ORACLE server

To export EOD software module database press **Export** button in **TG Builder server administrator** window (Fig. 5.5).

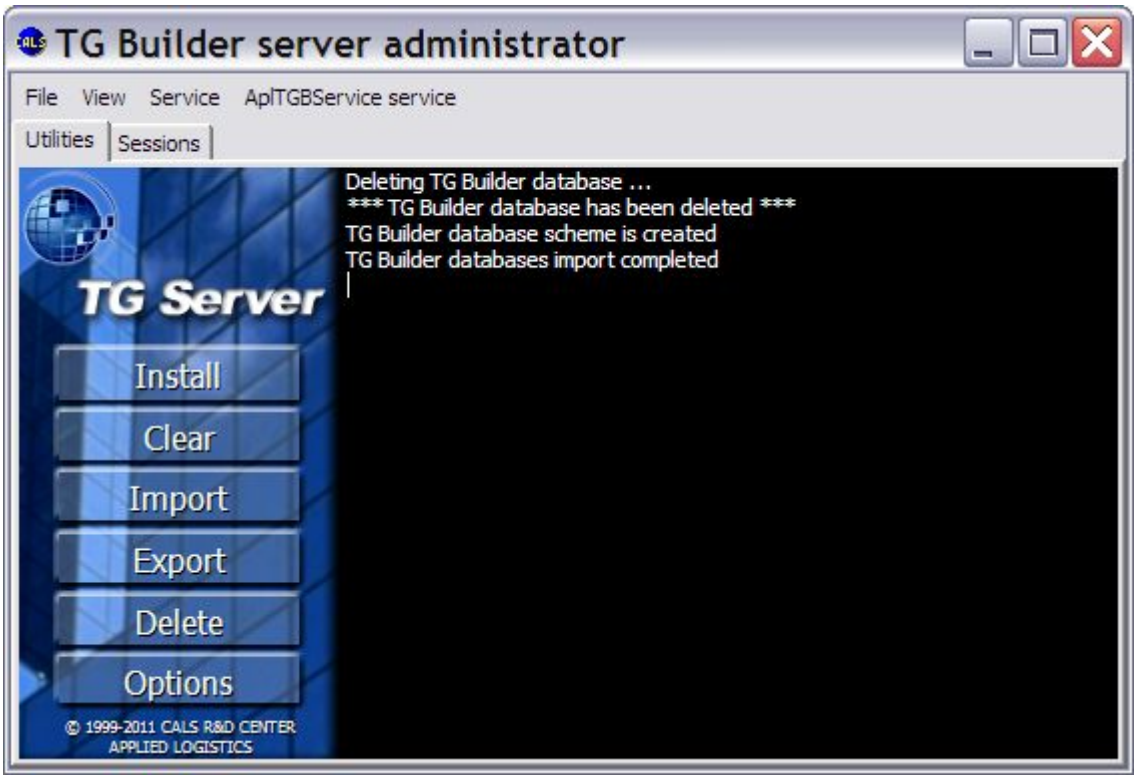


Fig. 5.5

In the displayed **Browse** window select a folder where the file with exported data will be created and press **Ok**.

The created file will have a name of the following format:

`TGDump_mm_dd_hh_nn.dmp`,

where `mm` – month, `dd` – day, `hh` – hour, `nn` – minute (data and time of export operation).

5.4. EOD software module database import

This operation restores EOD software module database from the backup file created by export (see section 5.3 "EOD software module database export").

CAUTION:

1. This operation should be performed on the computer that is the ORACLE server.
2. During this operation EOD software module old data will be overwritten. If it is necessary to create data backup before it, perform export operation (see section 5.3 "EOD software module database export").

To import the database press **Import** button in **TG Builder server administrator** window (Fig. 5.6).

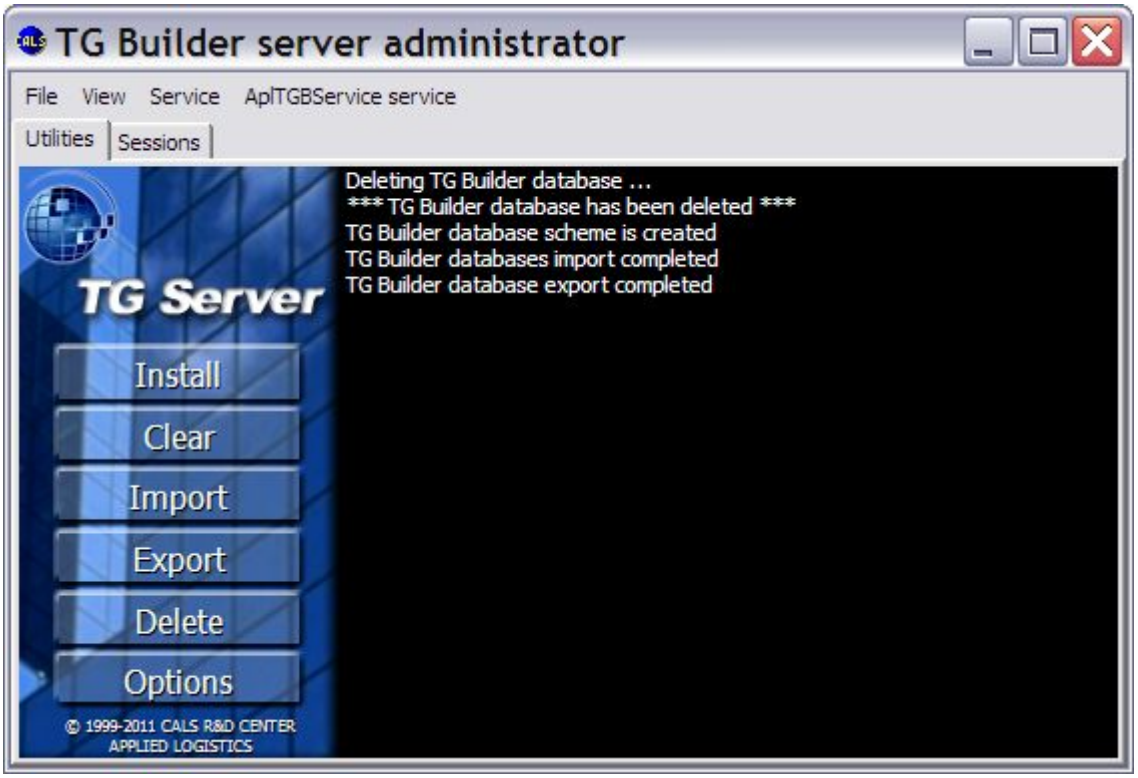


Fig. 5.6

In the displayed **Open** window select a dmp file created before by export operation.

5.5. EOD software module database clearing

EOD software module database *clearing* is a process of all data physical deletion from DB in ORACLE which are not used when preparing technical manual. For example it concerns deleted data modules, projects, manual templates which were stored in the system before.

If database clearing is required, use built-in base cleaning function.

To clear the database use **Clear** button in the **TG Builder server administrator** window (Fig. 5.7). When the operation is completed the corresponding window is displayed.

Fig. 5.7

5.6. Oracle communication service setting

If it is required to make resetting of Oracle communication service, it is possible to use TG Server built-in means:

1. Press **Options** button in **TG Builder server administrator** window (Fig. 5.8).

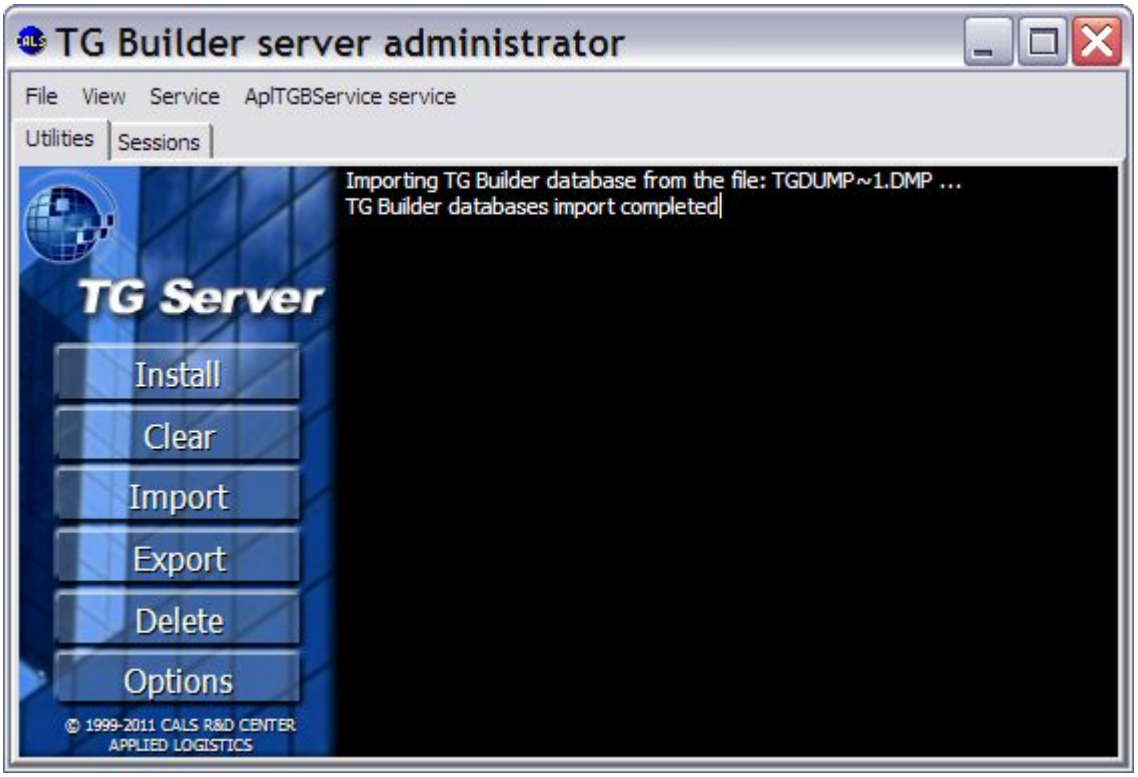


Fig. 5.8

2. In the displayed **Oracle communication service creation and editing** window create the required settings (Fig. 5.9).The setting creation is described in section "Communication service setting for ORACLE version 9.2.x".

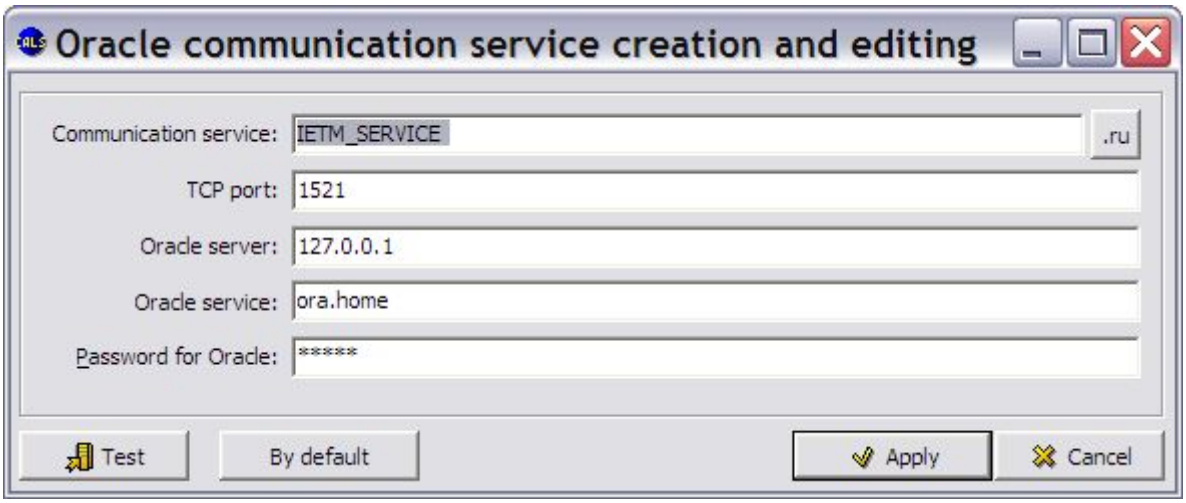


Fig. 5.9

3. If necessary test entered settings pressing **Test** button. Correctly enter parameters of the account to connect with ORACLE DB in the next window.
4. When setting is completed press **Apply** button to accept entered settings or **Cancel** button to cancel all actions on connection setting.

5.7. Information about TG Server sessions

TG Server administering utility allows viewing information about current and completed sessions (client SW to the server SW connection).

5.7.1. Viewing information about sessions

To view information about sessions select **Sessions** tab in the administering utility window (Fig. 5.10).

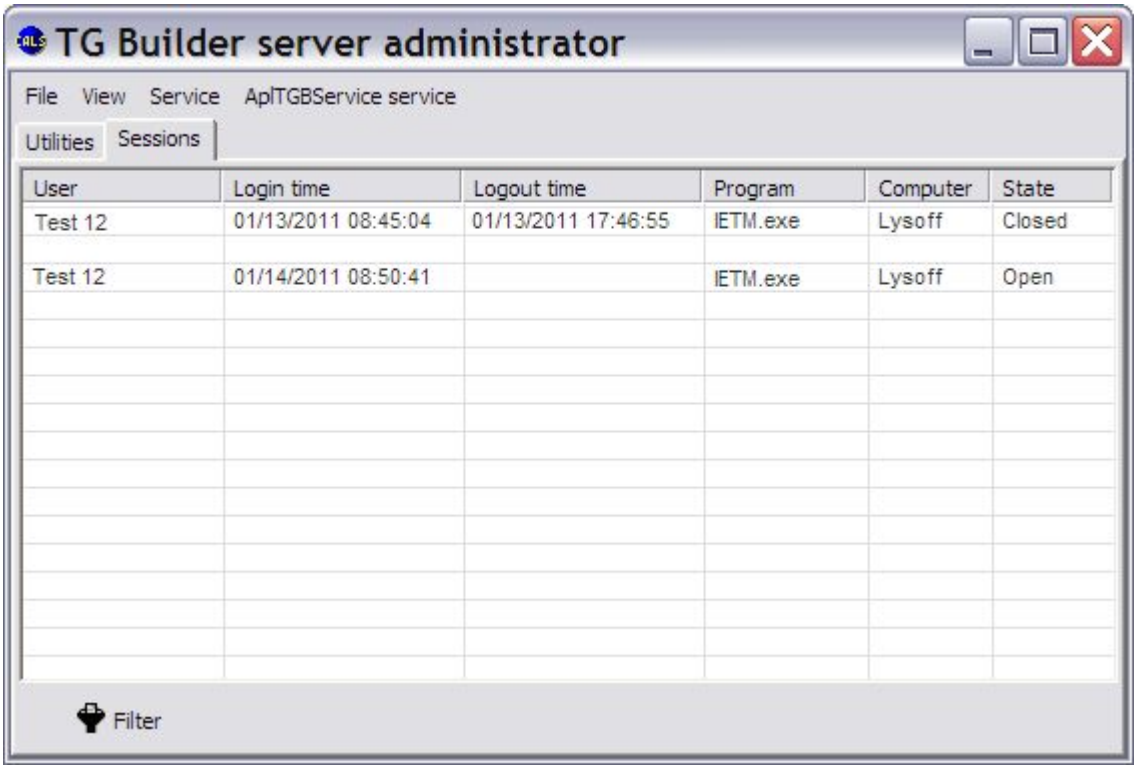


Fig. 5.10

The tab displays a list of sessions logged from a moment of last save of the list or from a moment of last restart of the utility. The following information is displayed for each session:

- *User* — a user name registered in EOD software module.
- *Login time* — a time when the server registers a connection of the client SW to it.
- *Logout time* — a time when the server registers a disconnection of client SW from it (displayed only for completed sessions).
- *Program* — utility that performed connection to the server (EOD software module client SW or administering utility of *TG Admin system*).
- *Computer* — a network name of computer from which the connection was established.
- *State* — a state of session at the moment:
  - *Open* — active session.
  - *Closed* — normally completed session.

- *Timeout* — a session forcedly completed by EOD software module server because there is no response of connected program during the specified time period (60 seconds).

Selective view of information about sessions

For selective view of information about sessions use the built-in filtering means. For this purpose press **Filter** button in **Sessions** tab.

In the displayed window perform all required settings for session display filtering and press **Apply** button (Fig. 5.11)**.**

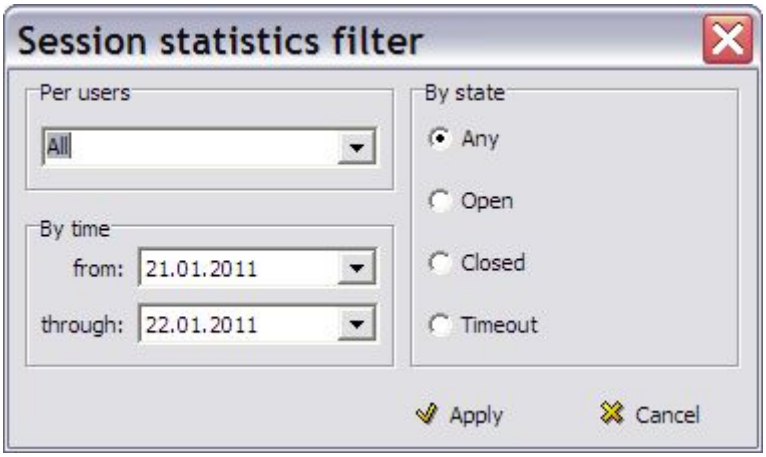


Fig. 5.11

5.7.2. Operations with the list of sessions

Using the session list context menu the user can perform the following operations:

- **Update** – to update displayed list to get recent information about sessions.
- **Save** – to save a current state of the list for further usage (after a server administering utility restart).
- **Delete** – to delete information about selected session.
- **Delete all** – clear the whole list of sessions.

Chapter 6. Network version client part installation

The present section describes a process of installation for the client part of the *system* network version on your computer. All examples are given for version 2.6.0.

6.1. Network version client part installation

When installing network version client part you can install the full version which includes software part and user manual or shortened version which only includes software part. The installation program is made as a wizard. The program is installed step by step, the wizard displays a new window for each step. To move to the next step press **Next** button in the dialog window of the wizard, to return to the previous step press **Back** button.

> **CAUTION**:
>
> Before installation it is strongly recommended to close all applications run earlier.

To install network version client part:

1. Run one of the files listed below [3] located on the disk with license copy of this product:
   - *tgb-2.6.X-wg-setup.exe* – to install the full version;
   - *tgb-2.6.X-wg-lite-setup.exe* – to install the shortened version.

   For this purpose select a file and press ENTER or double left click. After the installation program run the wizard window will be displayed (Fig. 6.1).

[3] A symbol "X" in a file name indicates an issue number. In this example – files *tgb-2.6.0-wg-setup.exe* and *tgb-2.6.0-wg-lite-setup.exe*.

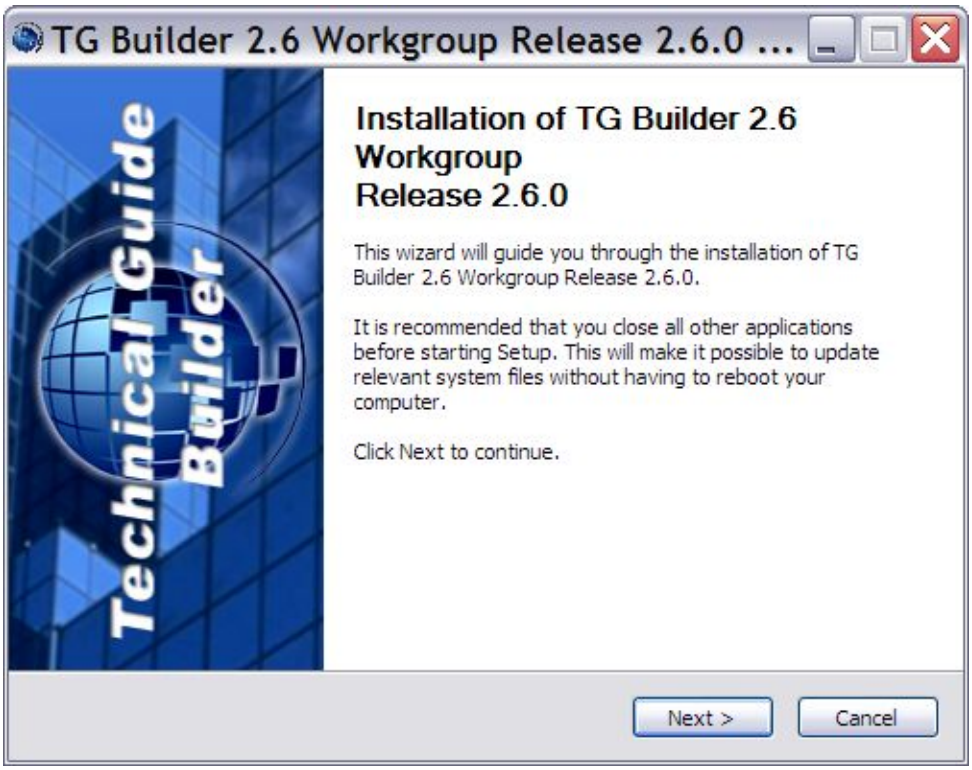


Fig. 6.1

2. To continue installation press **Next** button. Attentively read the License Agreement in the displayed window. If you agree with all the items select *I accept license agreement* and press **Next** button.

   If you do not agree with the license agreement terms, exit the setup program. For this purpose press **Cancel** button and then press **Yes** button in the displayed window.

3. After accepting the terms of the license agreement select the program components you desire to install:

   - If you install the full program version, i.e. file *tgb-2.6.X-wg-setup.exe* is run, then the following components are available for selection (Fig. 6.2):
     - Help files
     - Shortcuts for apps and help.

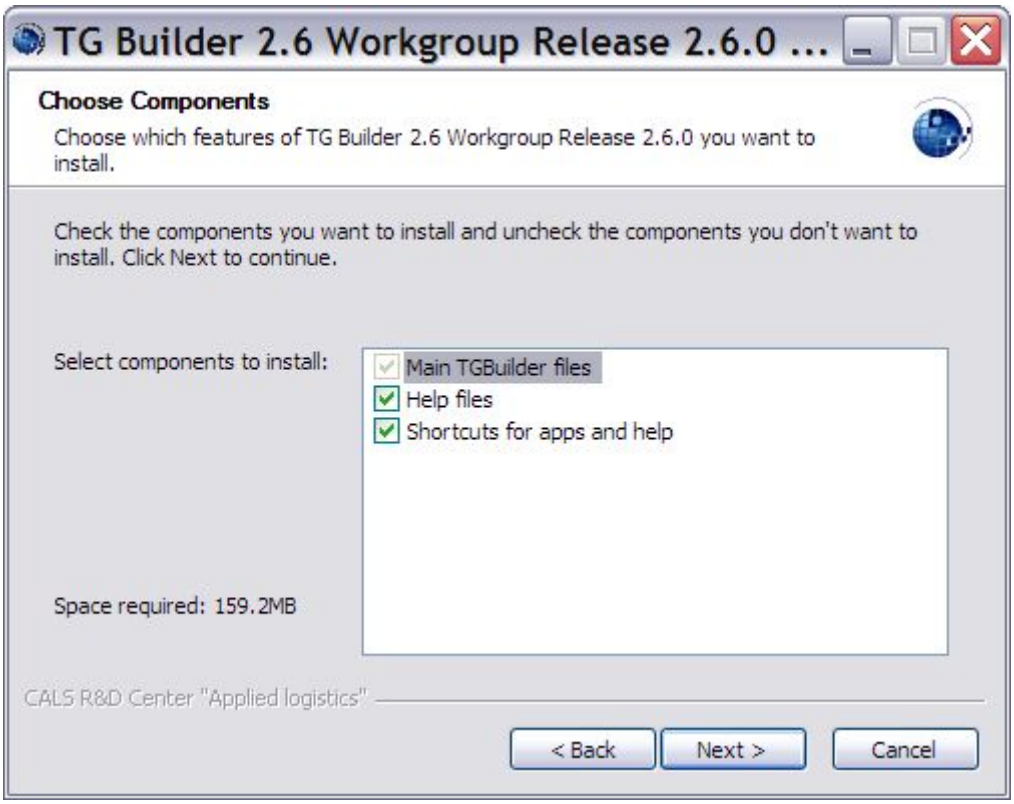


Fig. 6.2

- If you install the shortened program version, i.e. file *tgb-2.6.X-wg-lite-setup.exe* is run, then only one component – **Shortcuts for apps and help** is available for selection.

By default all available program components are selected for installation for both versions. If it is not necessary to install any component, then uncheck the corresponding flag.

Remark:

The main files are installed obligatory. It is impossible to cancel their selection.

4. To continue installation press **Next** button. In the next window it is required to set folder where the program will be installed (Fig. 6.3). The installation is located into "*C:\Program Files\TGBuilder 2.6 Wg*" by default.

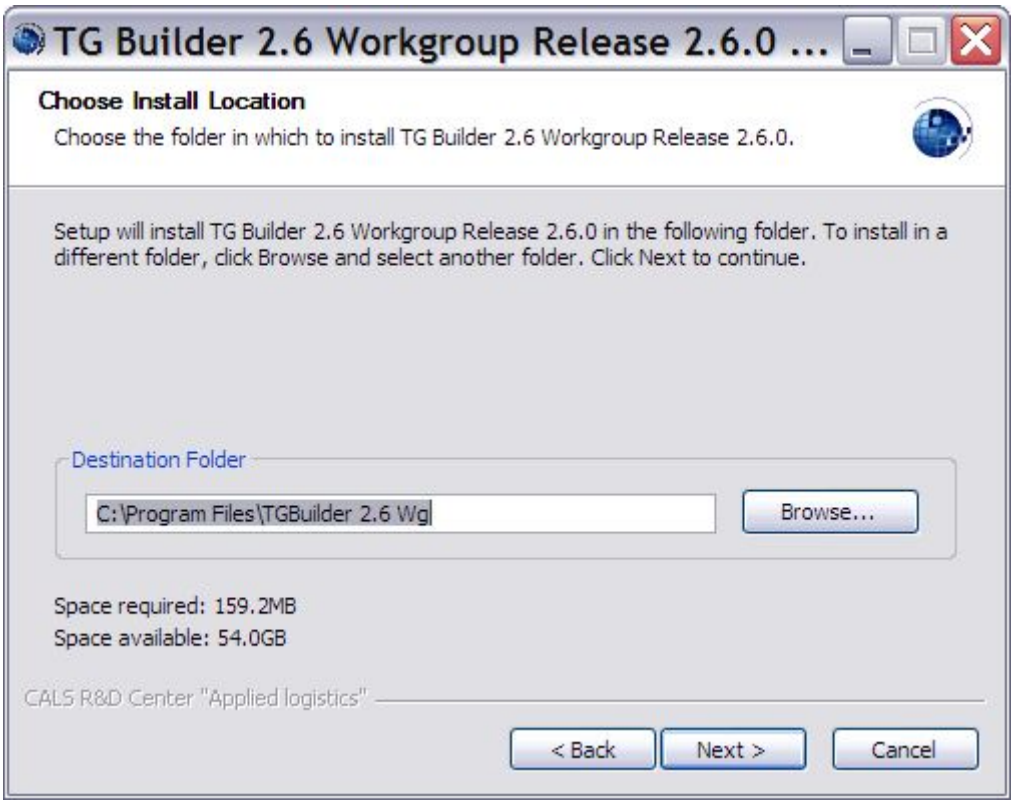


Fig. 6.3

It is possible to change a folder for installation. For this purpose press **Browse…** button and select a folder for program installation in **Browse** window. It is possible to select the existing folder or create a new one.

The next step of installation is performed only if the program and guides shortcuts are selected as installed component (see step 3). If the shortcuts are not installed, then **Next** button turns into **Install** button in the wizard shown in Fig. 6.3 and after pressing this button the program goes to the step 6. To continue installation press **Next** (**Install**) button.

5. In the displayed window select a folder where the program and guide shortcuts will be installed (Fig. 6.4). By default the shortcuts are located into the folder *"TG Builder 2.6 Workgroup"* created automatically in *Start* menu. If this location is not satisfactory, you can select a folder where the folder with *"TG Builder 2.6 Workgroup"* shortcuts will be located from the list. You can also change a name for the folder with shortcuts and enter it yourself. To continue installation press **Install** button.

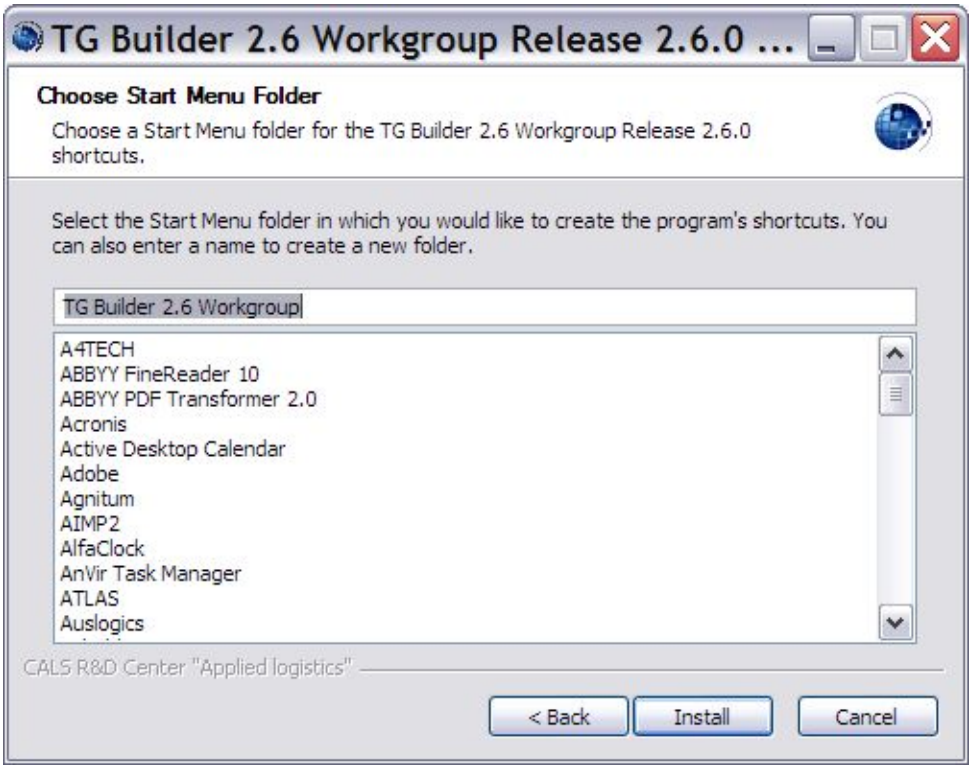


Fig. 6.4

6. After pressing **Install** button during the previous steps the program starts copying the files to your computer to the specified folder. When completing this procedure the window notifying of completed installation is displayed (Fig. 6.5). Press **Finish** button.

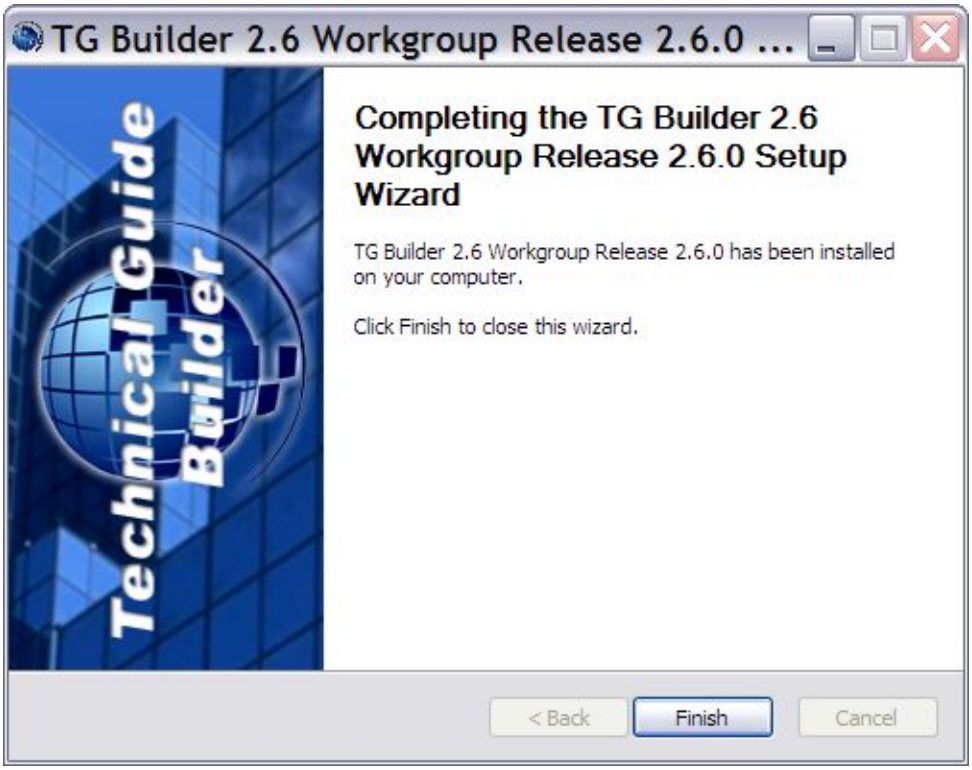


Fig. 6.5

Installation is completed successfully.

6.2. Peculiarities of network version client part updating

To update the network version client part program run the installation of the new version. When running file *tgb-2.6.X-wg-setup.exe* or *tgb-2.6.X-wg-lite-setup.exe* the warning window is displayed, it informs about necessity to delete the previous version and requests to confirm deletion.

When Yes answer is selected, the program deletes the version installed earlier and starts the process of network version client part installation described in the previous section.

When No answer is selected, the window with a message about installation cancellation is displayed. Press **OK** button to close the window.

Chapter 7. Local version installation

The present section describes a process of installation for the local version of the *system* on your computer. All examples are given for version 2.6.0.

7.1. Local version installation

When installing local version you can install the full version including software part and user guides or the shortened version including only software part. The installation program is made as a wizard. Installation is performed step by step, the wizard displays a new window for each step. To move to the next step press **Next** button in the dialog window of the wizard, to return to the previous step press **Back** button.

> **CAUTION**:
>
> Before installation it is strongly recommended to close all applications run earlier.

To install local version:

1. Run one of the files[4] listed below located on the disk with license copy of this product:
   - *tgb-2.6.X-loc-setup.exe* – to install the full version;
   - *tgb-2.6.X-loc-lite-setup.exe* – to install the shortened version.

   For this purpose select a file and press ENTER or double left click. After run the wizard window will be displayed (Fig. 7.1).

[4] A symbol "X" in a file name indicates an issue number. In this example – files *tgb-2.6.0-wg-setup.exe* and *tgb-2.6.0-wg-lite-setup.exe*.

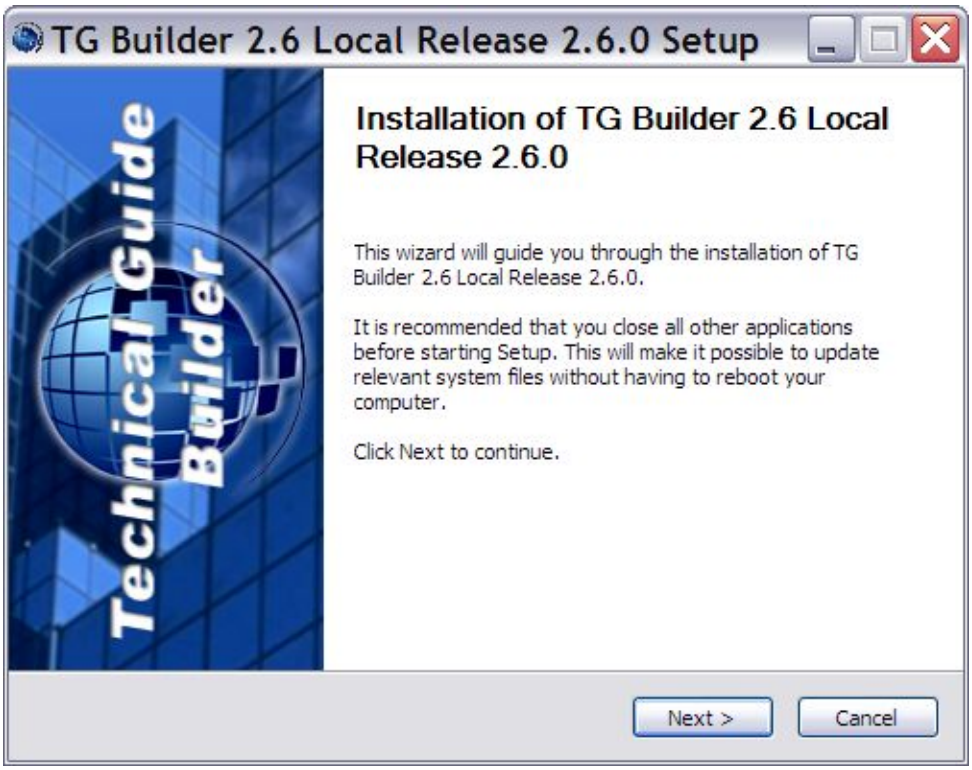


Fig. 7.1

2. To continue installation press **Next** button. Attentively read the License Agreement in the displayed window. If you agree with all the terms of the license agreement select *I accept license agreement* and press **Next** button.

   If you do not agree with the license agreement terms, exit the setup program. For this purpose press **Cancel** button and press **Yes** button in the displayed window.

3. After accepting the terms of the license agreement select the program components you desire to install (Fig. 7.2):

   - **Help files.** This program component is available only during installation of the full version, i.e. running the file *tgb-2.6.X-loc-setup.exe*.
   - **Empty local database**. This component is recommended to be selected at initial installation of program.
   - **Shortcuts for apps and help**. When installing the shortened program version, i.e. running file *tgb-2.6.X-loc-lite-setup.exe*, this component will be named **Shortcuts**.

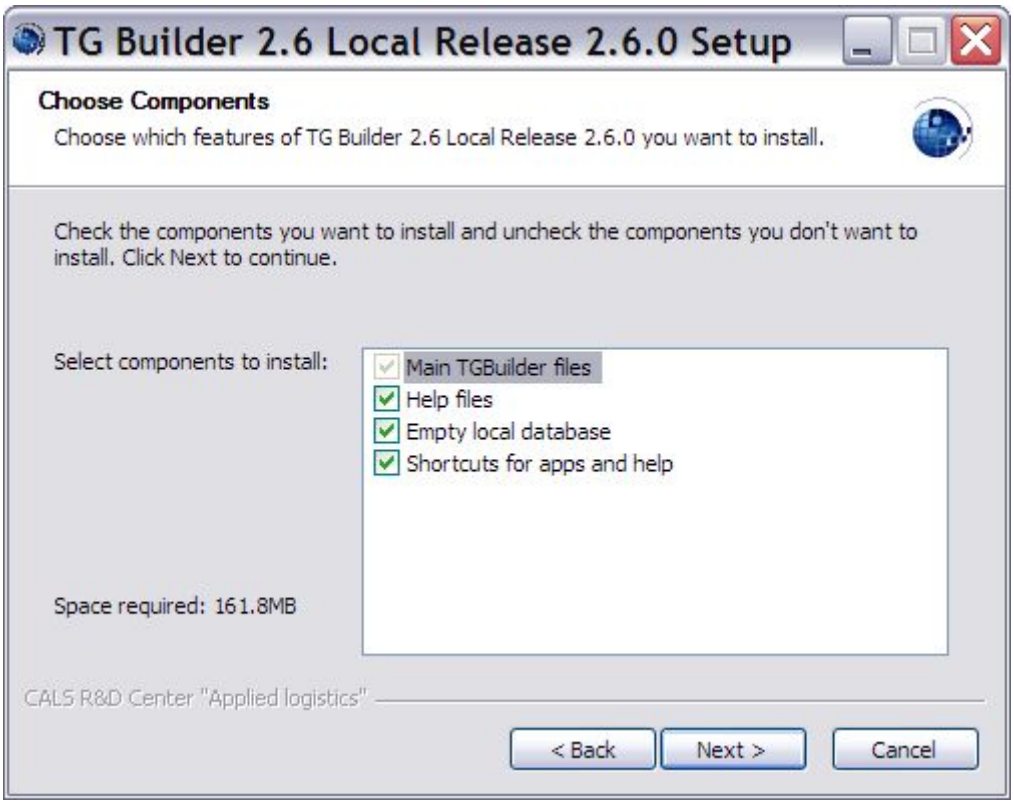


Fig. 7.2

By default all available program components are selected for installation. If it is required to change the component selection, then uncheck or check the corresponding flag.

> **Remark**:
>
> The main files of are installed obligatory. It is impossible to cancel their selection.

4. To continue installation press **Next** button. In the next window it is required to set a folder where the program will be installed (Fig. 7.3). The installation is located into "*C:\Program Files\TGBuilder 2.6 Loc*" by default.

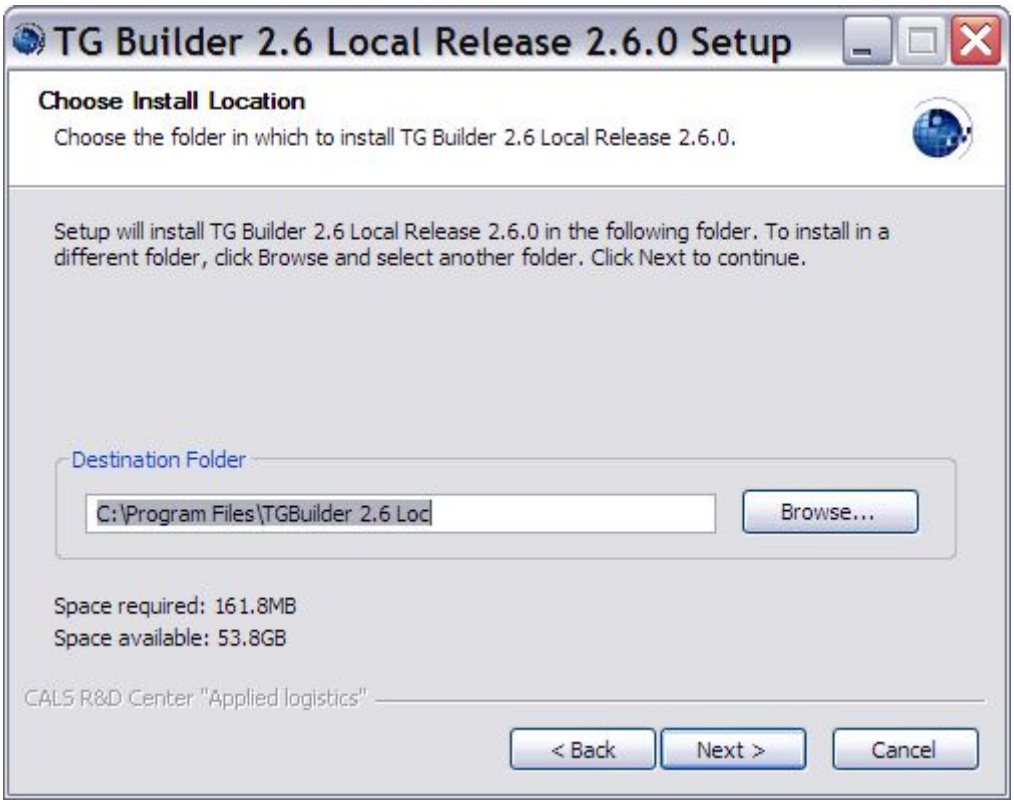


Fig. 7.3

It is possible to change a folder for installation. For this purpose press **Browse**…button and select a folder for program installation in **Browse** window. It is possible to select the existing folder or create a new one.

The next step of installation is performed only if the program and guides shortcuts are selected as installed components (see step 3). If the shortcuts are not installed, then **Next** button turns into **Install** button in the wizard shown in Fig. 7.3 and after pressing this button the program goes to step 6. To continue installation press **Next** (**Install**) button.

5. In the displayed window select a folder where the program and guide shortcuts will be located (Fig. 7.4). By default the shortcuts are located into *"TG Builder 2.6 Local"* folder created automatically in *Start* menu. If this location is not satisfactory, you can select a folder where the folder with *"TG Builder 2.6 Local"* shortcuts will be located from the list. You can also change a name for the folder with shortcuts and enter it yourself. To continue installation press **Install** button.

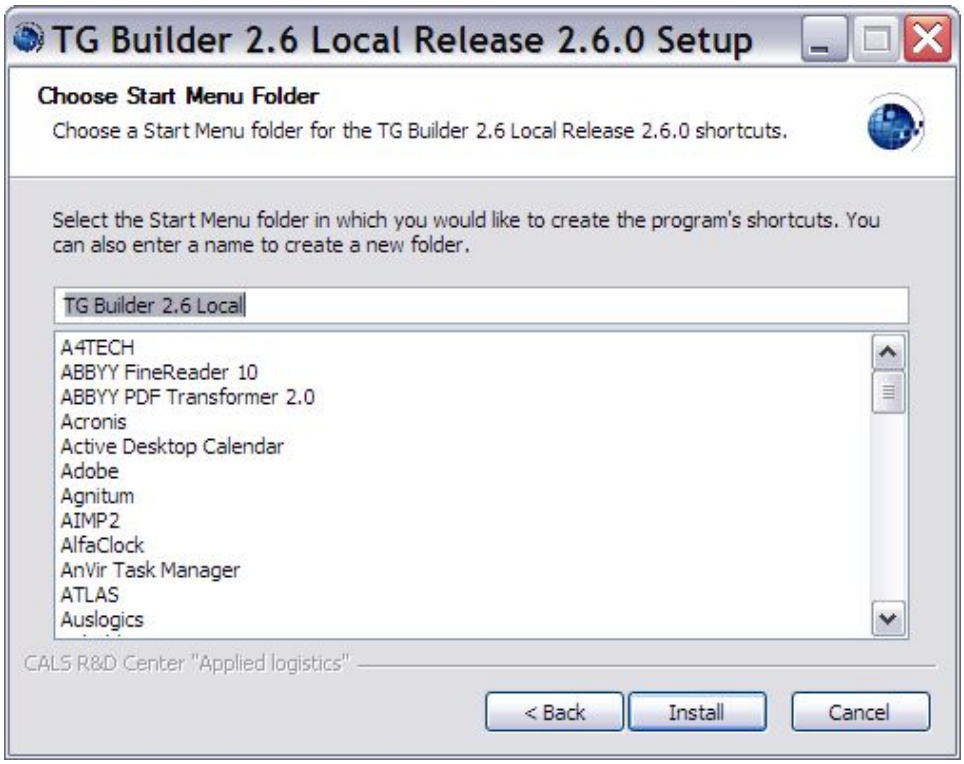


Fig. 7.4

6. When pressing **Install** button during the previous steps the program starts copying the files to your computer to the specified folder. When completing this procedure the window notifying of completed installation is displayed (Fig. 7.5). Press **Finish** button.

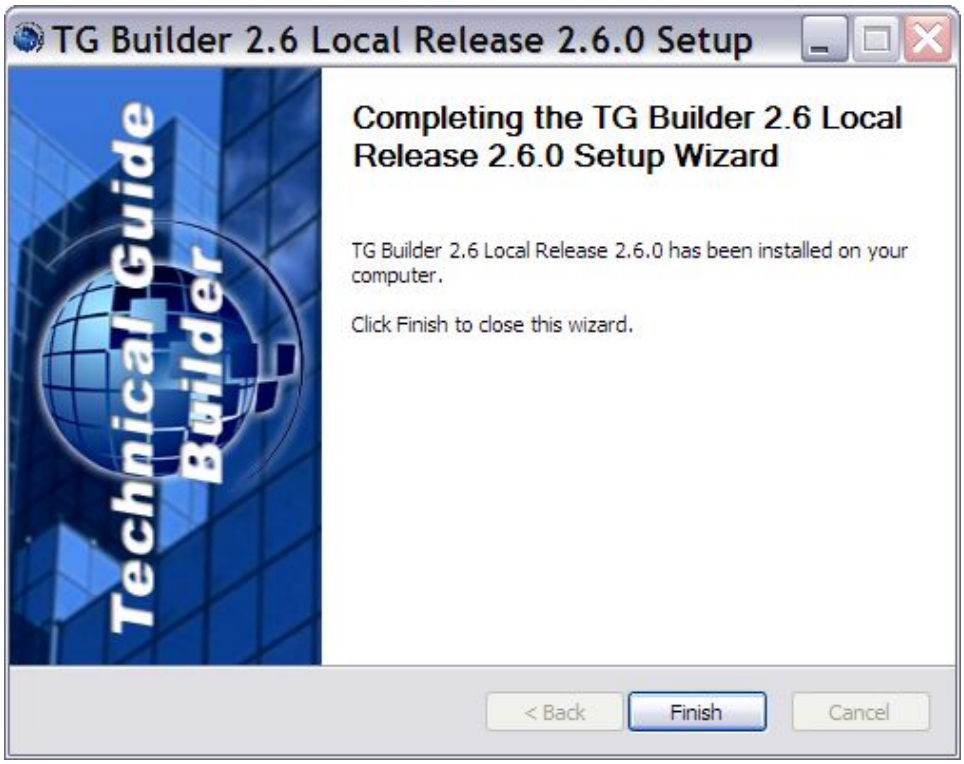


Fig. 7.5

Installation of local version is completed successfully.

7.2. Peculiarities of local version updating

To update local version program run the installation of the new version. When running file *tgb-2.6.X-loc-setup.exe* or *tgb-2.6.X-loc-lite-setup.exe* the warning window is displayed, it informs about necessity to delete the previous version and requests to confirm deletion.

When No answer is selected, the window with a message on installation cancellation is displayed. Press **OK** button to close the window.

When Yes answer is selected, the program deletes the version installed before and starts an update process for local version.

The update process for local version is similar to the process of initial installation described in the previous section. In this case it is necessary to take into account the following:

1. When selecting program components for installation (step 3 of installation process) it is recommended to uncheck the selection flag before **Empty local database** component.
2. If the selection flag before **Empty local database** component is not unchecked, then pressing **Install** button (step 6 of the installation process) displays the message: "The empty DB installation option was selected. But the installation directory already contains a local database. Keep the current DB without changes (Yes) or replace with empty DB (No)? When replacing the current DB with the empty one a backup copy of the current DB will be created in the directory Blobs_Backup. When keeping the current DB the empty database will be located in the directory Blobs_ Default".

   When Yes answer is selected *Blobs_Default* folder where the empty local DB is located is created in the installation folder "TG Builder 2.6 Local". The current local DB is kept without changes in *Blobs* folder.

   When No answer is selected, *Blobs_Backup* folder where the current local DB is copied is created in "TG Builder 2.6 Local" installation folder. The empty local DB is located in *Blobs* folder.

   This order guarantees safety of projects, templates and other data.

Chapter 8. User guides installation

The present section describes a process of installation for user guides of *system* on your computer. All examples are given for version 2.6.0.

The user guides are recommended to be installed when it is required to update documentation without changing the program part of EOD software module. As a result of installation the following documents are updated:

- Administartor's manual – *TG Admin.pdf* file.
- TG Browser User guide – *TGBrowser.pdf* file.
- EOD software module User guide – *help.pdf* file.
- TG Designer User guide – *design.pdf* file.

The installation program is made as a wizard. Installation is performed step by step, the wizard displays a new window for each step. To move to the next step press **Next** button in the dialog window of installation wizard, to return to the previous step press **Back** button.

> **CAUTION**:
>
> Before installation it is strongly recommended to close all applications run earlier.

To install user guides:

1. Start *tgb-2.6.X-help-setup.exe*[5] file located on the disk with license copy of this product. For this purpose select file and press ENTER or double left click. After running the file the wizard window will be displayed (Fig. 8.1).

[5] A symbol "X" in a file name indicates an issue number. In this example – file *tgb-2.6.0-help-setup.exe*.

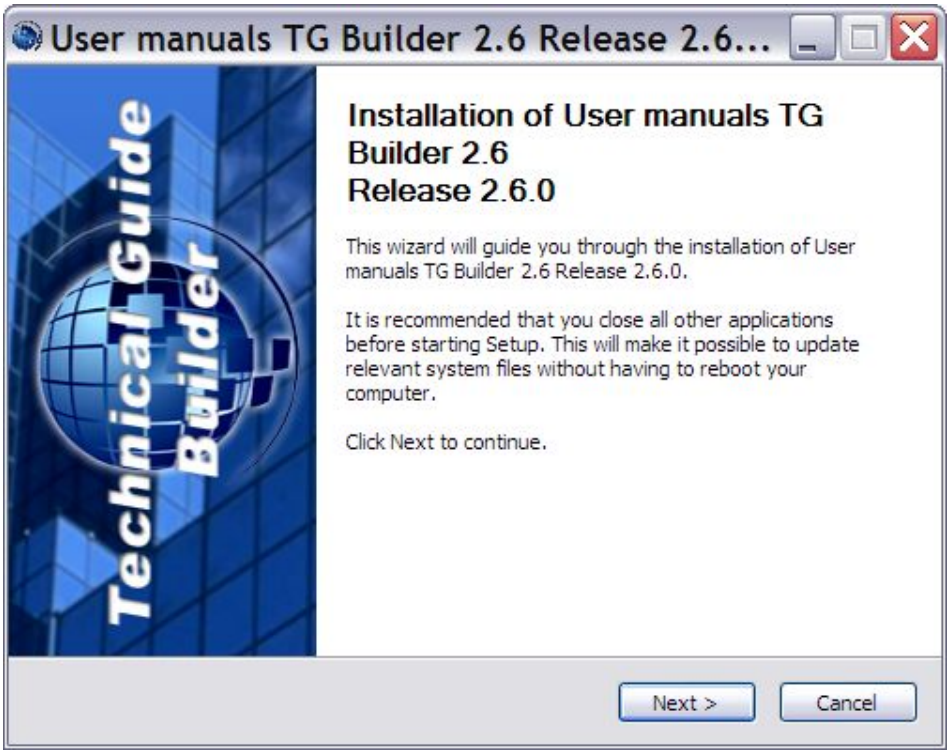


Fig. 8.1

2. To continue installation press **Next** button. In the displayed window **Shortcuts for help files** program component is selected for installation by default (Fig. 8.2). If you do not wish to install this program component, uncheck the flag before it. The main component of **User manuals** is installed obligatory. It is impossible to cancel its selection.

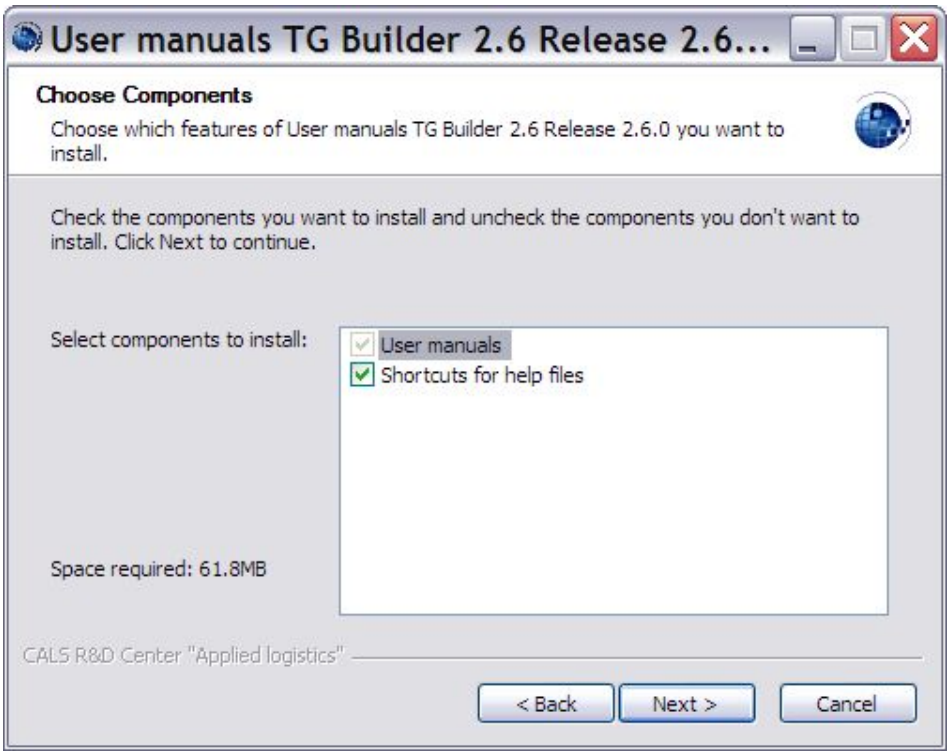


Fig. 8.2

3. To continue installation press **Next** button. In the next window it is required to set a folder where the program will be installed (Fig. 8.3). When updating the guides it is recommended to install into the same folder where the user guides installed before when installing the full version of network version client part or local version are located. It allows replacing the guides but not adding their new revision.

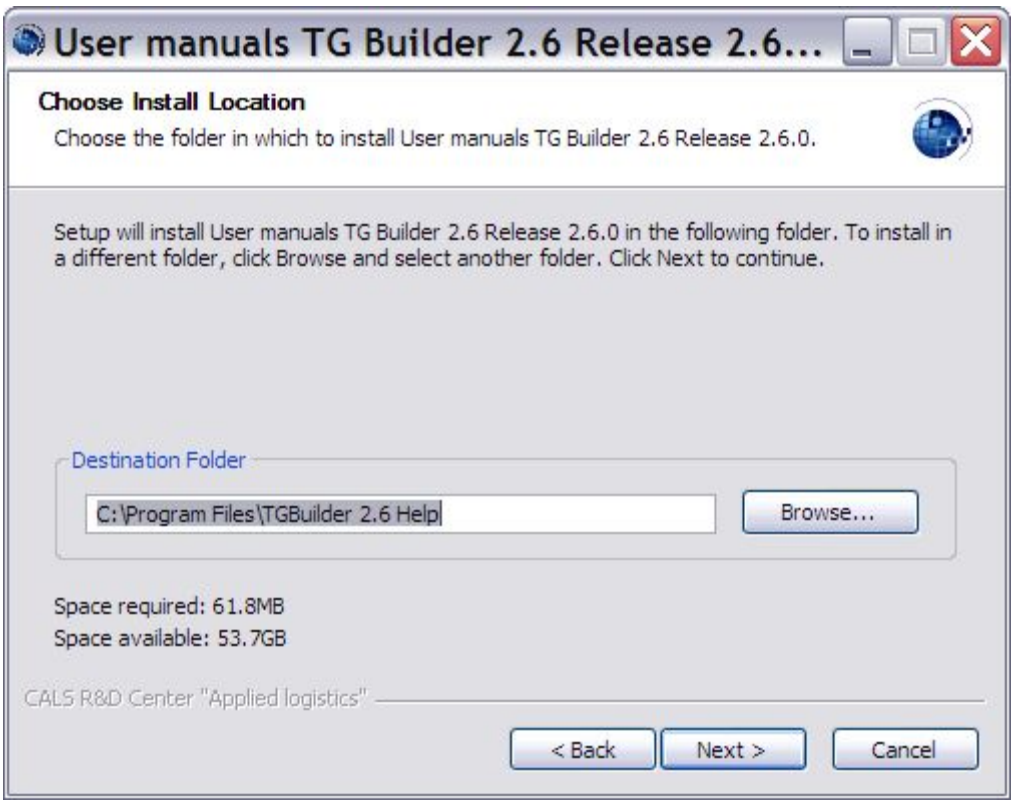


Fig. 8.3

The installation is located into "*C:\Program Files\TGBuilder 2.6 Help*" by default. To change location press **Browse…** button and specify a folder to locate user guides in **Browse** window. Press OK. It returns you to the wizard window and a full name of the selected folder is displayed in **Destination folder** field.

The next step of installation is performed only if the guide shortcuts are selected as installed component (see step 2). If the guide shortcuts are not installed, then **Next** button turns into **Install** button in the wizard window and after pressing this button the program goes to the step 5. To continue installation press **Next** (**Install**) button.

4. In the displayed window select a folder where the guide shortcuts will be located (Fig. 8.4). When updating guides it is recommended to locate shortcuts in the same folder where the shortcuts of user guides installed before are located.

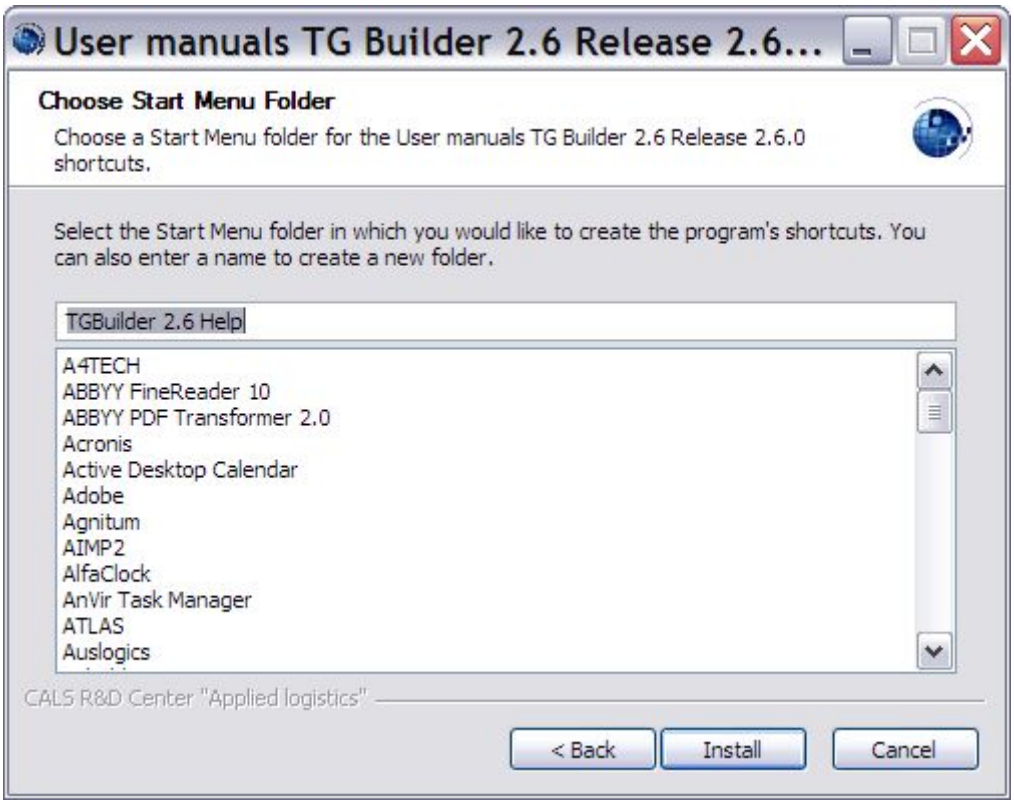


Fig. 8.4

By default the shortcuts are located in *"TG Builder 2.6 Help"* folder created automatically in *Start* menu. In the displayed list select the folder where the shortcuts of user guide installed before are located. To continue installation, press **Install** button.

5. After pressing **Install** button during the previous steps the program starts copying the files to your computer to the specified folder. When completing this procedure the window notifying of completed installation is displayed (Fig. 8.5). Press **Finish** button.

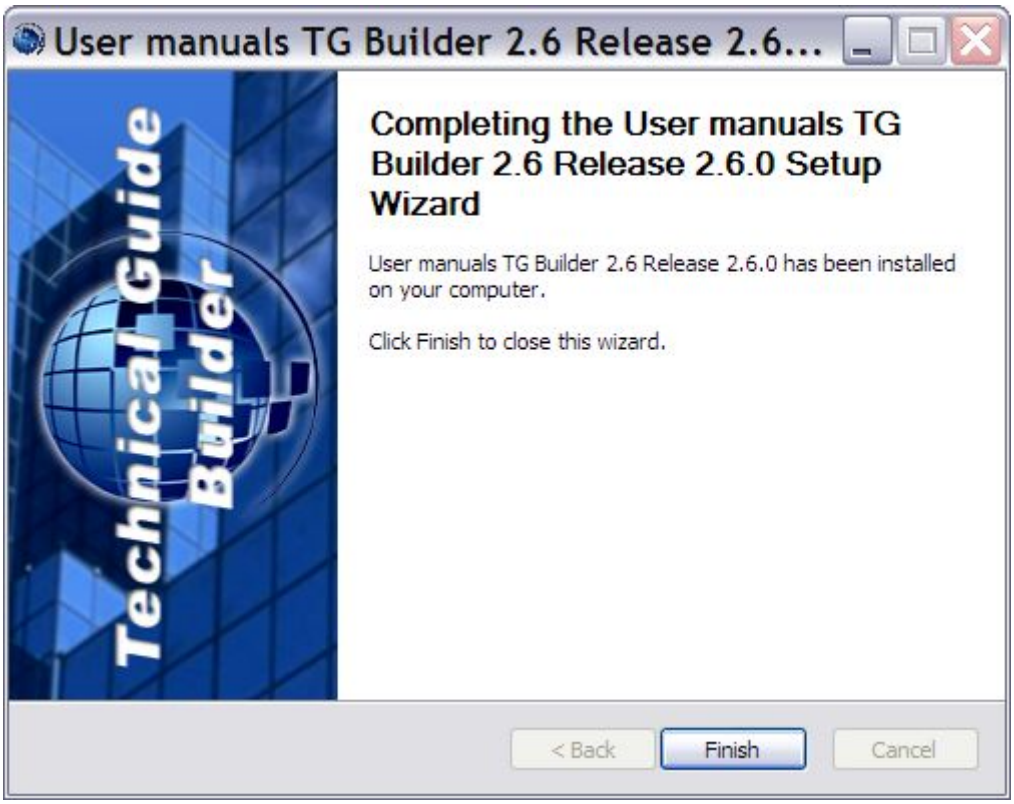


Fig. 8.5

Installation of user guides is completed successfully.

Chapter 9. TG ADMIN administering utility

To set the system administering procedure is required. The *administering utility* allows registering, deletion and changing manual templates, as well as creating and deleting users.

CAUTION:

1. Only system users with administrator access rights have access to the Administering utility. To log in the system use a basic user account "ietmu" for which password "ietmu" and administrator rights are set.
2. When using EOD software module network version, a server name shall be selected additionally.

The *administering utility* is started according to one for the following two methods:

1. Call through Windows OS system menu **Start | Programs | TG Builder | TG Admin** or run the program *administration.exe* from the folder where the *system* was installed.
2. Run the TG Builder module and press **TG Admin** icon **in the Welcome window** (Fig. 9.1).

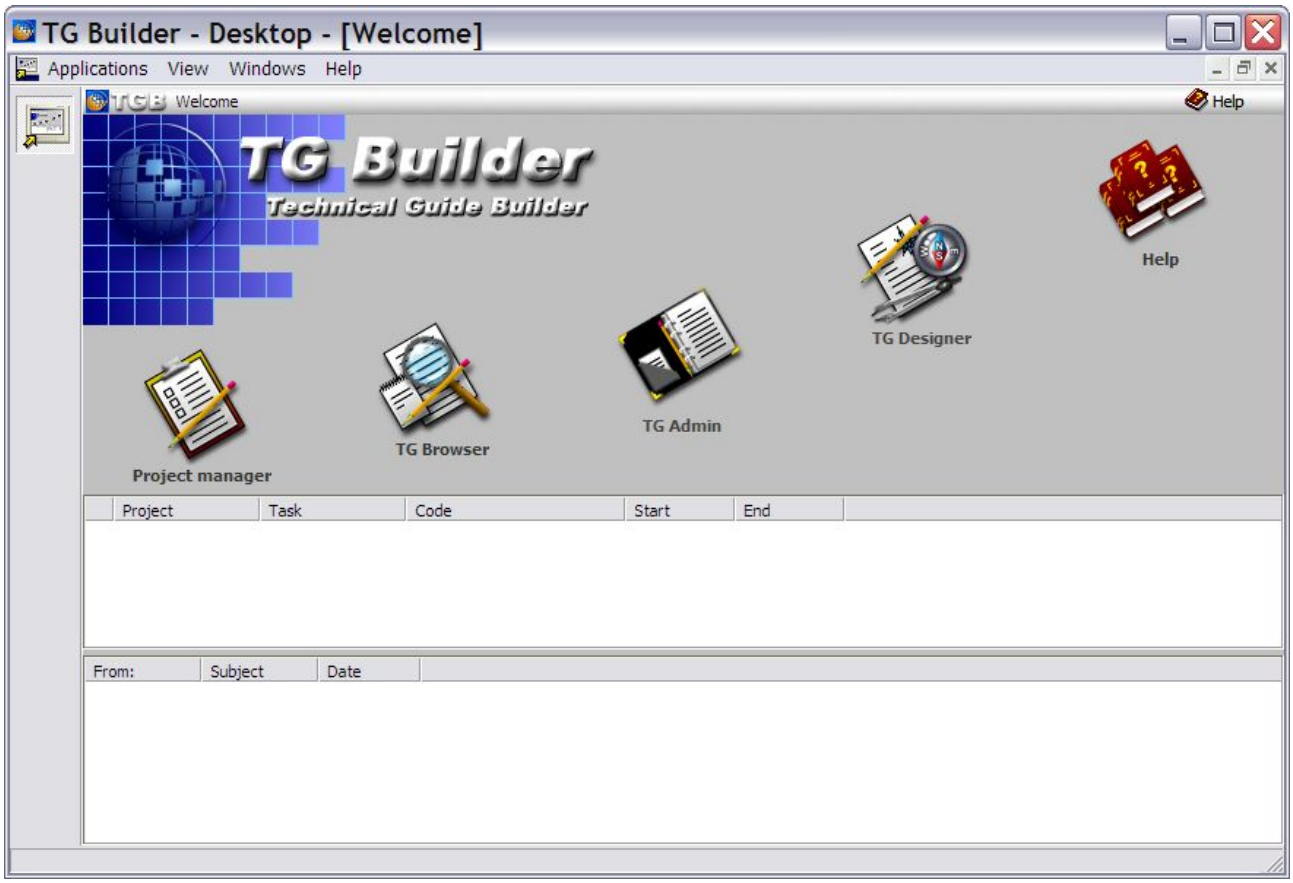


Fig. 9.1

Upon running the *Administering utility* **TG Builder system administraing** dialog window will be displayed (Fig. 9.2).

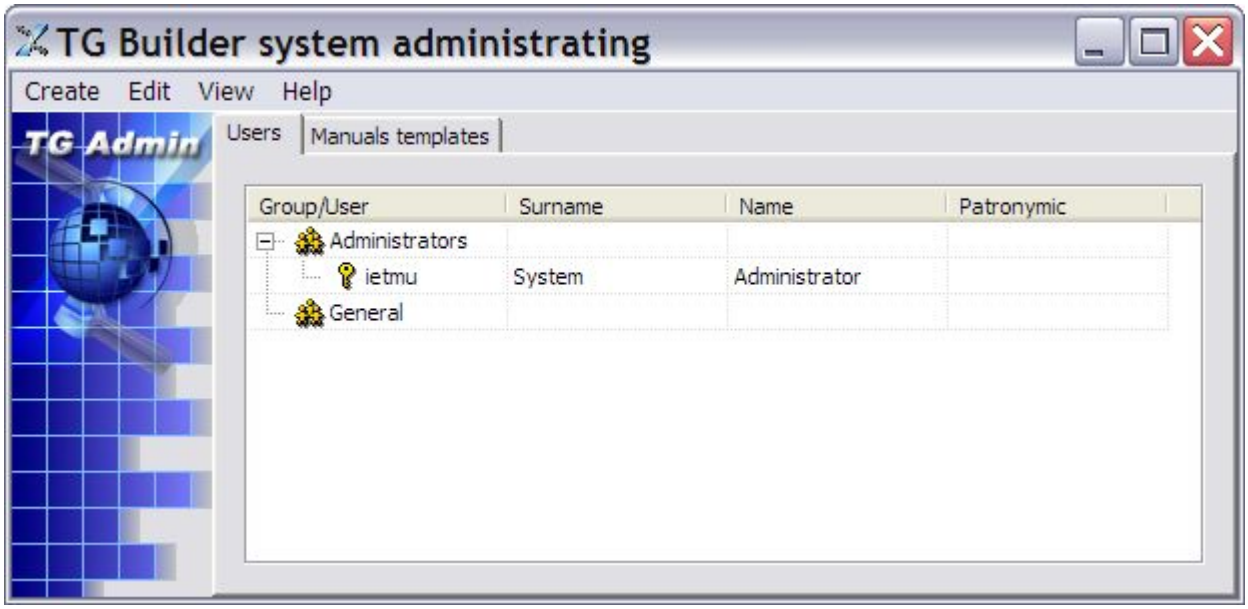


Fig. 9.2

9.1. Operations with accounts

To administer user groups and included in them users **Users** tab is intended (Fig. 9.2). By default there are two groups of users: "Administrators" and "General". The "Administrators" group includes "ietmu" user.

To create a new user group:

1. Right-click at any place of **Users** tab. Then context menu will be displayed (Fig. 9.3).

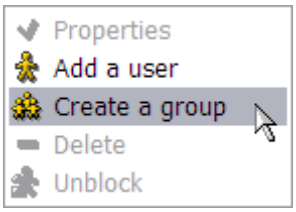


Fig. 9.3

2. Select **Create a group** command in the context menu.
3. In **Group** window enter the name and press **Apply** button (Fig. 9.4). Then the created user group name will be displayed in **Users** tab.

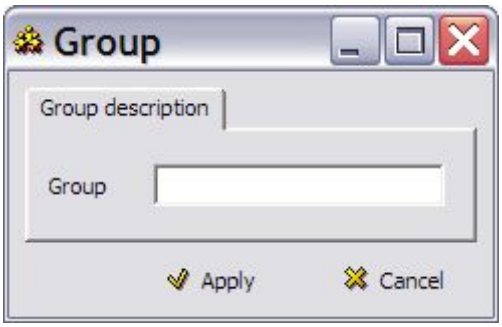


Fig. 9.4

Remark:

The user groups are organized into peer set, i.e. group embedment is impossible. Besides it is possible to change any groups except the special group **General** which users are all users not included in any group by default.

To add a new user to the group:

1. Right-click in any place of this tab and select **Add a user** command from the context menu (Fig. 9.5).

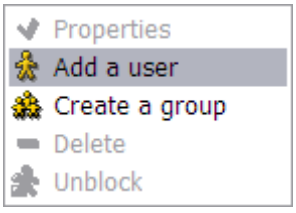


Fig. 9.5

2. Enter user parameters in the displayed **User profile** window (Fig. 9.6).

Fig. 9.6

Enter a user name in **User** field.

Enter a password to log in the *system* in **Password** and **Password confirmation** fields.

Enter data to **Surname**, **Name**, **Patronymic** and **Phone** fields.

Select one of the following values in the drop-down list in **Rights** field:

- **Administrator.** A user with **Administrator** rights can create and delete users, change their profiles, register, delete and change manual templates.
- **Project manager**. A user with such rights when creating a project in TG Builder module assigns project performers from users created by the administrator. He also develops a project structure and distributes project sections between performers.
- **User**. A user with such rights can operate particular project sections assigned by a project manager.
- **Guest.** A user with such rights can view projects.

Specify a group which will include a user, e.g. "General" in **Group** field.

When filling a user profile in **User profile** window press **Apply** button. It returns you to **Users** tab, the created user will be displayed in the group list (Fig. 9.7).

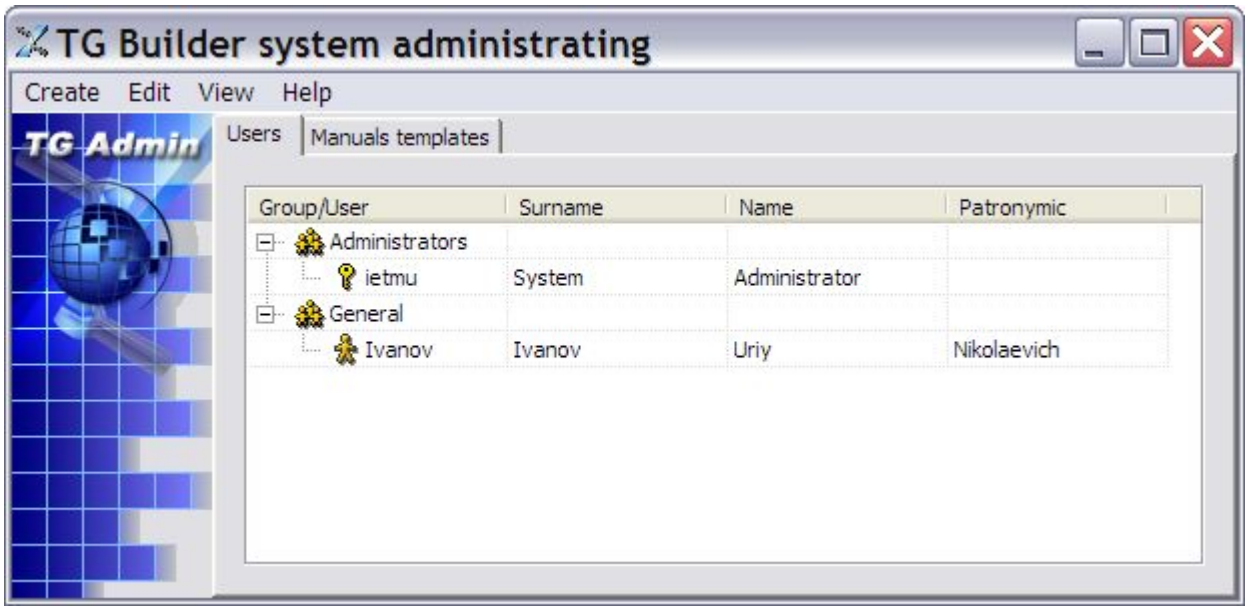


Fig. 9.7

All operations with users (groups) are performed using the context menu called by right-click at a user (group) name. The context menu for the user includes the following commands (Fig. 9.8).

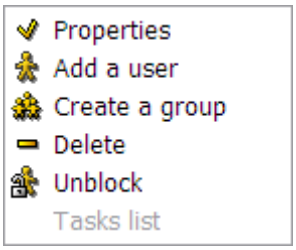


Fig. 9.8

"Delete" command

To delete a user (group) select **Delete** command. When deleting a group all its users are deleted from the system.

"Unblock" command

Simultaneous operation of two users with one account is impossible. If operation session is completed incorrectly, e.g. caused by fault, repeated log-in of the user will be blocked. To cancel user blocking select its name in the list, call the context menu and select **Unblock** command.

"Tasks list" command

This command is intended for viewing and deleting tasks assigned for the user. If a task (tasks) is created for the user, then selecting **Tasks list** command will open **User tasks** window (Fig. 9.9).

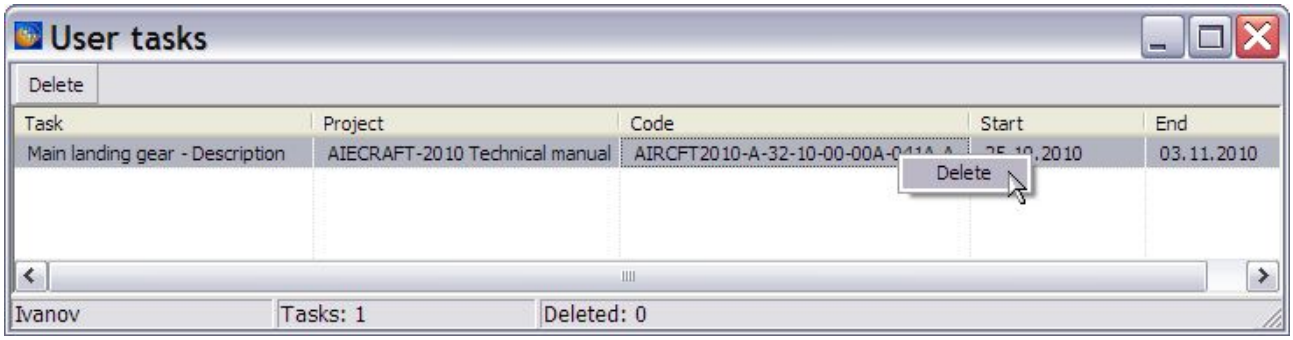


Fig. 9.9

To delete a task select it and press **Delete** button (or select **Delete** item from the context menu). Then a window with a request to confirm deletion will be displayed.

Answer "Yes" will delete the task. Then you will return to **User tasks** window**.**

9.2. Manual template registration, modification and deletion

Electronic technical documentation is created on a base of template developed in the TG Designer module. The system is delivered with two templates: in Russian and in English (Fig. 9.10).

It is required to register a template developed by a user himself in the *system*. To register a new template:

1. In the **TG Builder system administrating** window go to **Manuals templates** tab (Fig. 9.10).

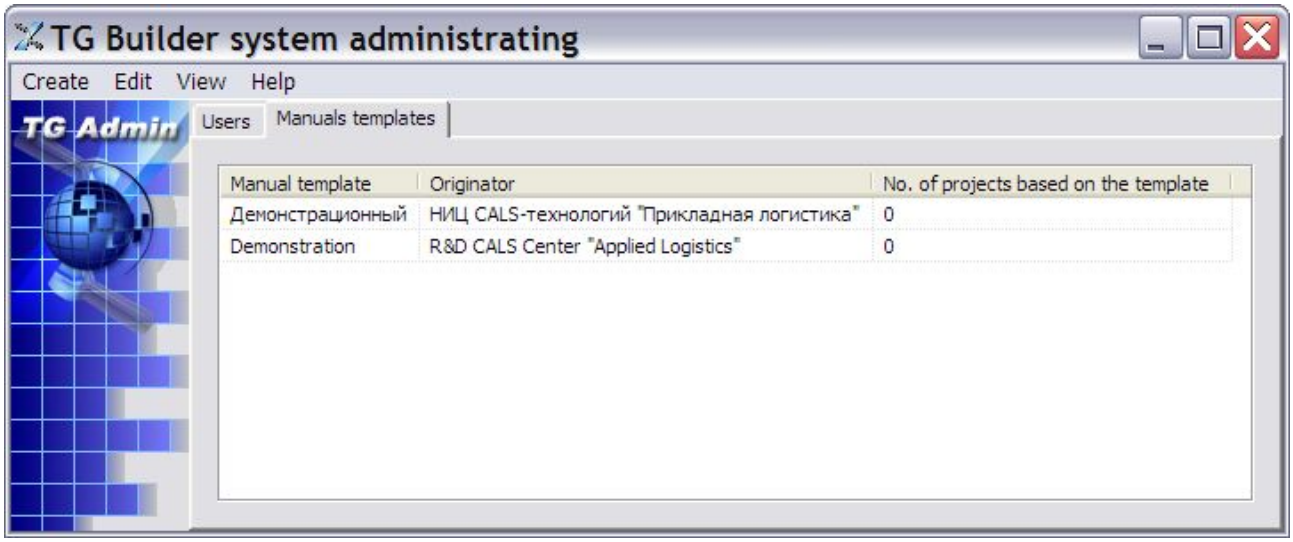


Fig. 9.10

2. Right-click in any place of **Manuals templates** tab and select **Create** command from the context menu (Fig. 9.11). It is also possible to select **Manual template** in **Create** menu in the main administrating window (Fig. 9.12).

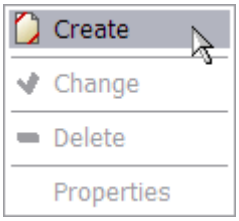


Fig. 9.11

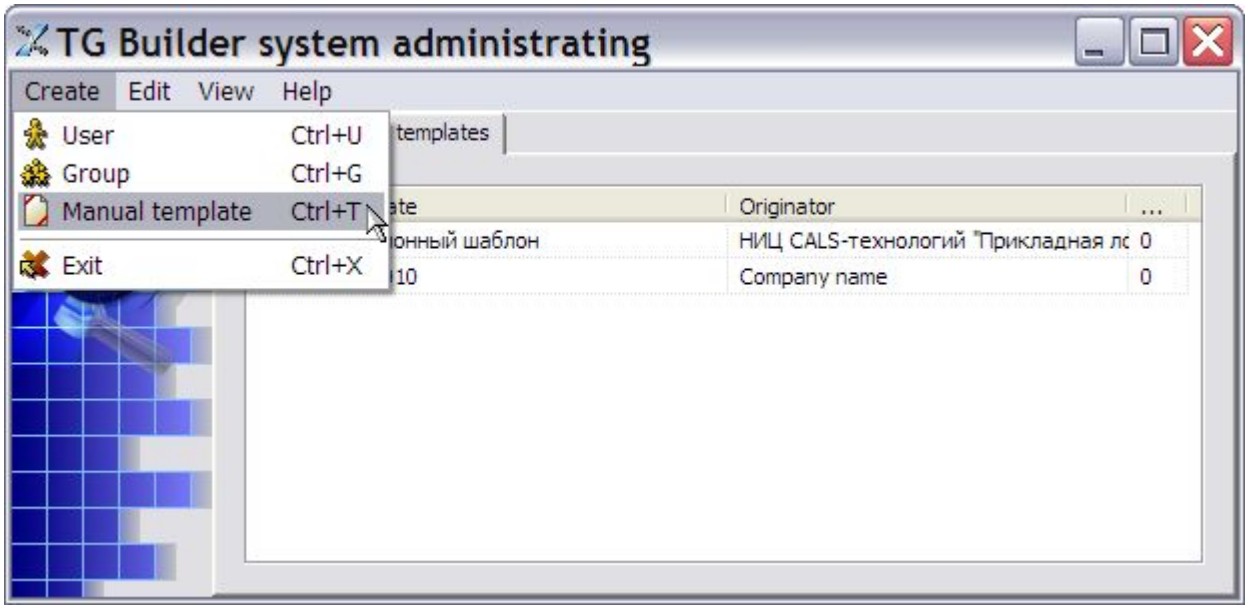
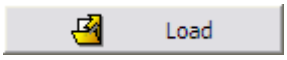


Fig. 9.12

3. In the displayed **Manual template** window press button 

(Fig. 9.13).

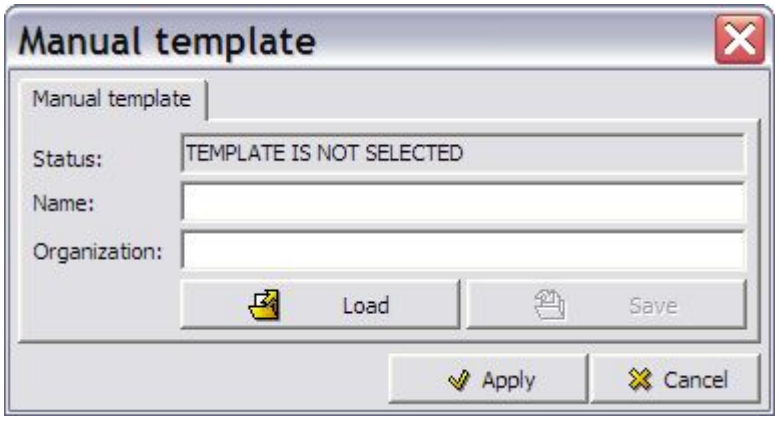


Fig. 9.13

4. In the appeared **Browse** window select the folder that contains the template, open it, click "Design" folder and press **OK**.
5. Enter a name of the registered template and a name of organization developed the template (Fig. 9.14).

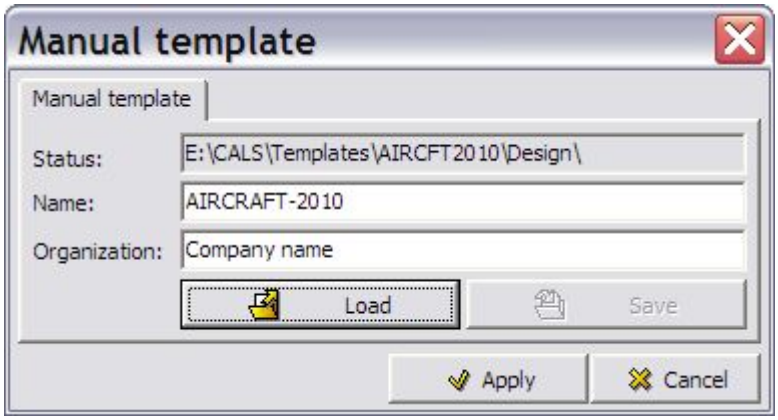


Fig. 9.14

6. Press **Apply** button. In **Manuals templates** tab the template list displays the registered template name "AIRCRAFT-2010" (Fig. 9.15).

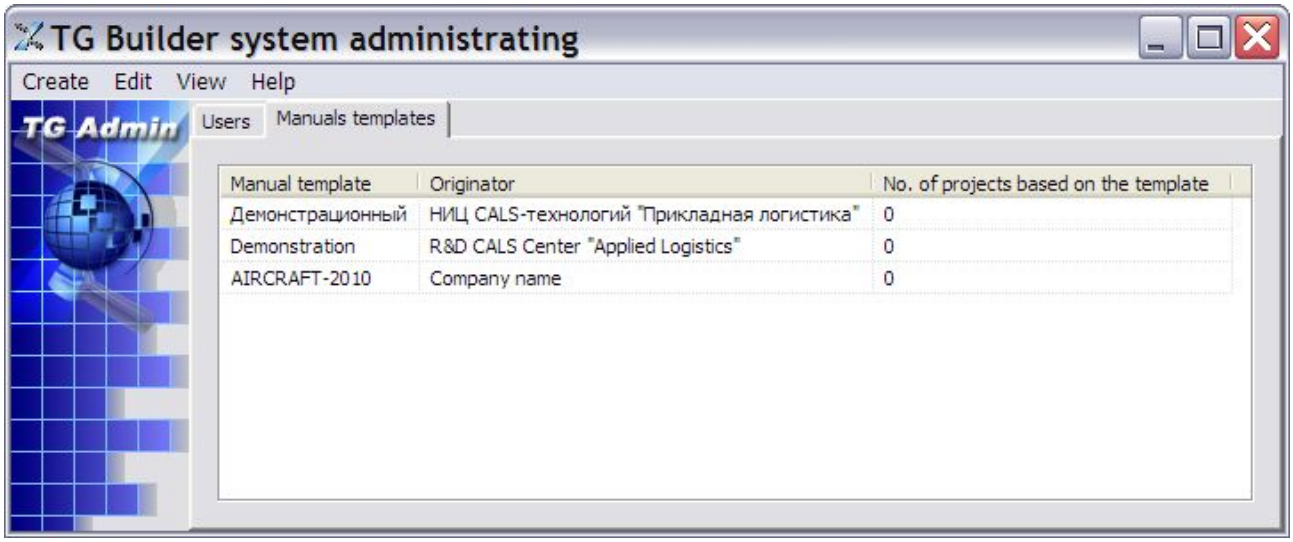


Fig. 9.15

If the template is not urgent, then select it for deletion, call the context menu and select **Delete** command.

To change the template select it, call the context menu and select **Change** command. Then **Manual template** window will open, where it is possible to load a changed template and change template parameters in it. To save changes press **Save** button.

To view a list of projects created by the registered template, right-click at a template name and select **Properties** item from the context menu. Then **Template properties** dialog window will be displayed (Fig. 9.16).

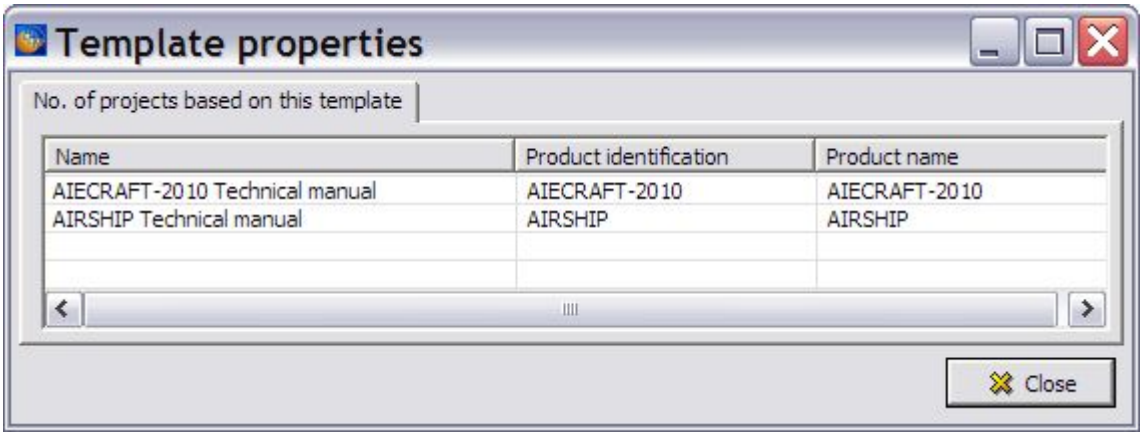


Fig. 9.16

Template properties window displays a list of projects created based on the selected template. When you complete viewing a list of projects press **Close** button. **Template properties** window will close and you will return to **Manuals templates** tab (Fig. 9.15).

Chapter 10. Task interlocks control

In multiuser operation mode the following situation may occur: a user addresses the task used (interlocked) by the other user at the moment. The *system* is provided with an option of viewing a current state of task and canceling interlocks.

To go to interlocks control:

1. Run the TG Builder module and press **Project manager** icon in **Welcome** window (Fig. 10.1).

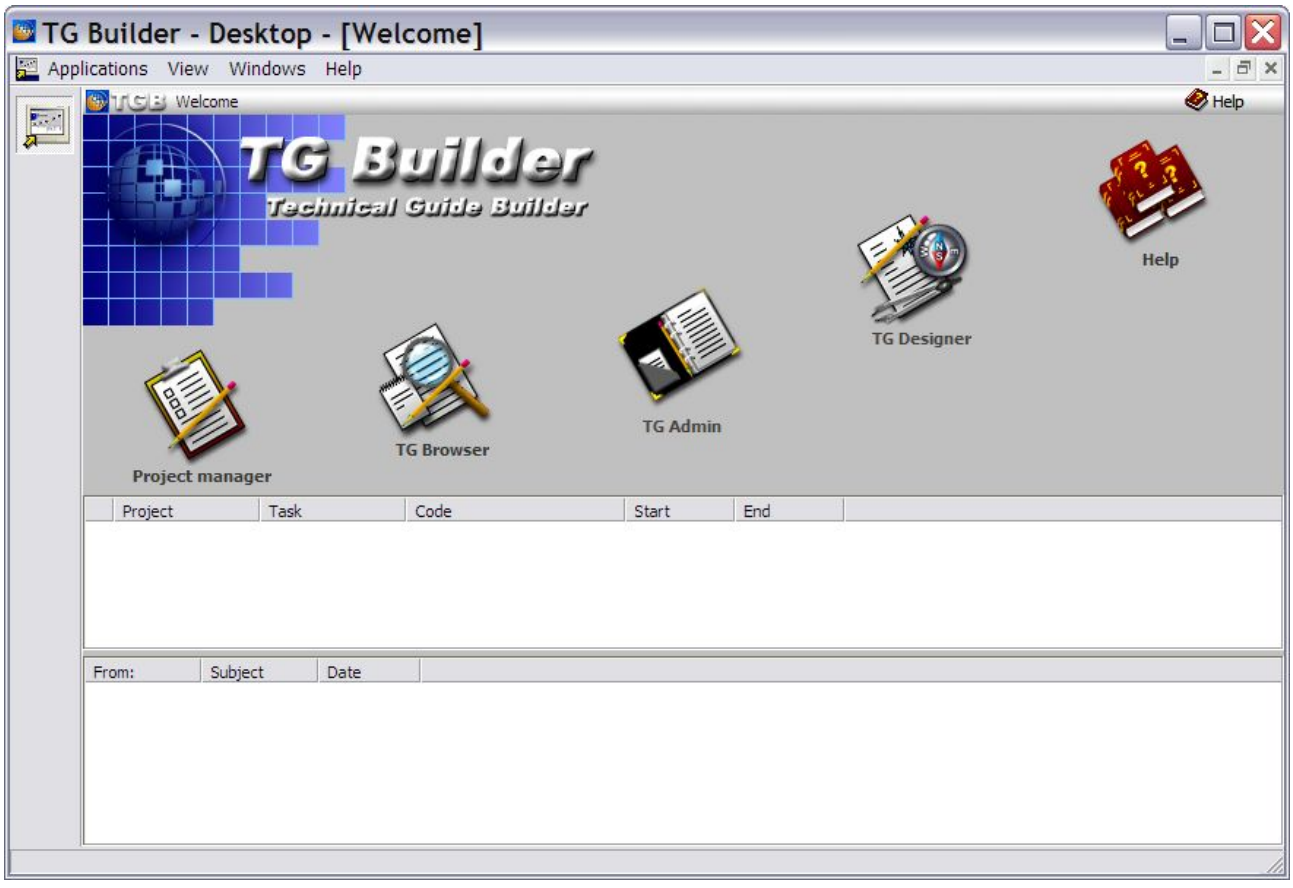


Fig. 10.1

2. Select **Interlocks control** in the toolbar in the right part of the displayed **Project manager** dialog window. When tool is selected, **Synchronization** window will be displayed (Fig. 10.2).

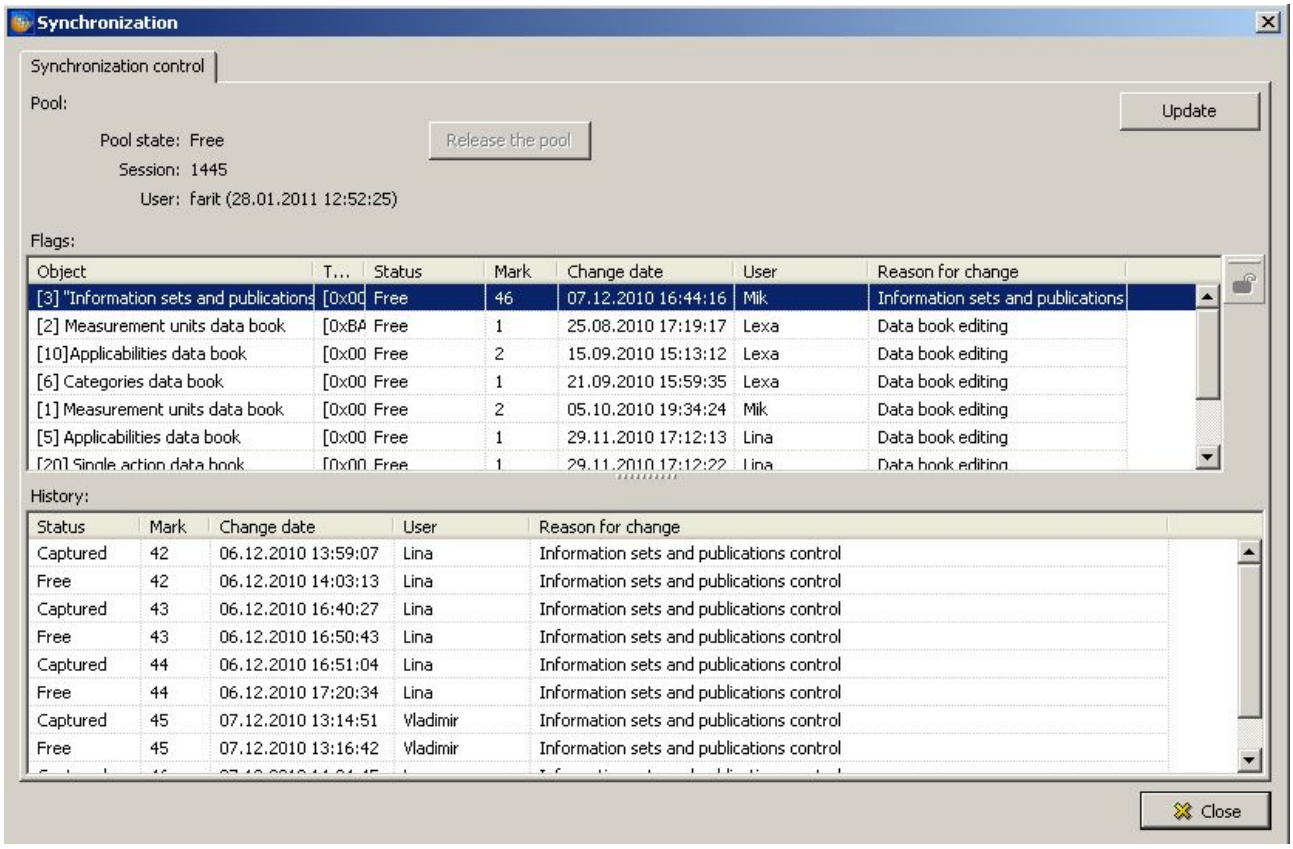


Fig. 10.2

Synchronization window is divided into two parts. The upper part of the window displays a list of tasks (objects) indicating:

- task status (state);
- date of revision;
- user performed revision;
- causes of revision.

To view a task status change history, select the task in the upper part of the window. The lower part of the window will display the task status change history.

Synchronization window displays a task state at a moment of window opening. To view information at the current moment press **Update** button.

Object state change

In multiuser operation mode a need to cancel interlock of the task used by other user may occur. For example, tasks which had "Captured" status at abnormal termination of TG Builder module may keep the specified status after the *system* restart in spite of the fact that the user is not operating with the object. In such cases a user with administrator rights may cancel interlock of the task. For that proceed as follows:

1. Select the corresponding line in the upper part of **Synchronization** window (Fig. 10.2).

2. Make sure that the user is not operating with the object (by phone, messages or other method).
3. Press **Release the pool** button in the upper part of the window. The object interlock will be cancelled, the lower part of the window will display information about the object status "Free".