

MediTOOLS network installation guide

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1.1 Network Installation procedure

The MediTOOLS network installation consists of one server installation and multiple client installations which can access the server based MediTOOLS database.

Integration of existing databases:

If MediTOOLS is already installed on the designated server pc, the existing database can directly be included in the installation process.

If there are any databases from previous installations on the client pcs which you wish to integrate into the new server database, you must copy those databases into a **separate local folder** on the server pc. (If you copy more than one database into ONE folder, please ensure to provide different names for each database to prevent files from being overwritten.) After completion of the server installation you can import these files into the new server database. Further information related to the import of databases can be found in the MediTOOLS manual.

1.1.1 Server installation

First MediTOOLS needs to be installed on the server pc. Choose the option „**Network server**“ within the installation routine.

You must enter the **network name (host name)** or the **server IP number** in the dialog window for **Server definitions**. If you do not have this information, you can obtain it from the control panel. Check System → Computer name) or open a DOS dialog window and enter the command „ipconfig /all“. (in order to open a DOS window by clicking on the START symbol in the bottom. Now select “run” and type in the command „cmd“. This will open a window with a black background and white letters. Here you can enter the command „ipconfig /all“ and press return.)

The MediTOOLS database server will be installed on the server computer. The basis is a „Firebird“-Server; its services will be launched automatically and will enable access to the MediTOOLS database. If the Firebird engine is already installed, this will not cause any problems during the installation process.

Security advice:

- **Change the database password when first launching the program.** You can change the password within MediTOOLS under „Settings“→“change database password “. The original database password is „masterkey“, if it was not changed before through a different application (please do not mistake the database password for your user login password)
- After changing the **database password** for the server pc, you must change it on all client pcs likewise in order to be able to log into the server database.
- The database is well protected against possible internet threats after changing the password. If however someone receives direct access to the database and can actually take a copy from the server database, it is possible to bypass the new database password. In order to protect the database against such possible threats, **additional security measures are recommended**, such as saving an encrypted version of the database or saving it on an encrypted hard drive. Under normal circumstances the regular measures should be suitable enough, though.

After completing the server installation, please ensure to safely write down the **modified password**, the **server's computer name (IP)** and the **exact file location of the database on the server**. Computer name and location of the Datenbank can be

reviewed on the MediTOOLS server under „Settings“ → „Options“ → „Database“. You will need all three details for each client installation.

FIREWALL: If a **Firewall** is installed on the server pc, you need to open **incoming network connections for port 3050**.

EXAMPLE: For example when facing the standard **Windows-Firewall** (Control Panel → Security Center → Windows-Firewall) select → „Ports...“ within „Exceptions“, then enter „Firebird“ plus the port number **3050**. „TCP“ needs to be selected. You can restrict this to your own network within „Change range“. This way, possible hacker attacks through the internet remain prohibited. Going back to „Exceptions“ you must set the checkmark in the „Programs and Services“ list in front of the selected name (in our example „Firebird“) in order to make this port available.

When launching MediTOOLS for the first time, you will be asked to enter your licence key. To receive a Server-Licence, you must enter the number of users that are meant to be able to use the MediTOOLS database simultaneously. After receiving your licence key, you simply enter it in MediTOOLS („Settings“→„Options“→„Change user data“→„OK“). Afterwards all registered client pcs can access the server database simultaneously.

After successfully installing the MediTOOLS-Server it is recommended to define user accounts for the individual client installations on the server (see chapter error messages **Fehler! Verweisquelle konnte nicht gefunden werden.**). The clients should not be granted Administrator's rights for MediTOOLS. This ensures that certain critical functions within the program will only be accessible to particularly skilled users.

If you want to allow for the extensive reporting function on the Client pcs **while there is no Microsoft-Word installation on the server pc**, then check the checkbox „reporting module“ when first launching MediTOOLS on the server pc. You find this function under „Settings“→„Options“ and enable the manual reporting functionality.

1.1.2 Client-Installation

After successfully installing MediTOOLS on the server pc, the MediTOOLS Client versions can be created. At the appropriate dialog window choose „**Client installation**“ for each client pc installation. After completing the installation process launch MediTOOLS on each pc and log in as ADMINISTRATOR. Now you must enter the server pc's data:

- You need to enter the **database password** which needs to be identical with the password deposited on the server pc.
- Enter the **network name** (hostname) of the server pc (the pc with the database installation). Instead of the network name you may also enter the pc's IP address.
- Enter the **path information for the database** which must be identical with the path displayed on the MediTOOLS-**Server** as database path.

After completing the installation the client software licence must still be registered. In case there is a **Firewall** installed on the client pc, you need to enable outgoing connections for the software program „MediTOOLS 4.0“ Afterwards you should easily be able to access the database.

1.1.3 Validating the network connection upon technical difficulties

Should you be unable to establish a connection between client and server pc, please conduct the following tests and assessments (depending on the kind of error message you are facing, this may already lead you to a specific action to resolve the problem):

1. Verify if the server name, the path to the MediTOOLS server database and the corresponding password are correctly entered within the client based MediTOOLS installation. In order to do so, simply open the settings menu and select | Options

| Database both on the client and the server pc and compare all entries for the database path, the database server pc and the database server password. They must be *identical*.

2. Launch a DOS-Window on the client pc (Windows XP: START → RUN → enter „cmd“; Windows-Vista: START → SEARCH → enter „cmd“) and launch the „ping“ command, followed by the server name. If the ping command should not work, the client pc cannot access the server through the network connection. If this is the case, check the network settings and possible also the network cable.
3. If there is a firewall installed on the server pc, verify if the network connection (access) is permitted for MediTOOLS 4.0. Allow this connection if it is not yet made available.
4. Verify if the Firebird database services are active on the server pc. In order to do so, open the system settings and launch the „Firebird Server Manager“. If the logo is crossed out with a red line and you find the following error message next to it: „The Firebird service is not running.“, restart the service by clicking on the start button within this dialog window. The settings should be activated as shown in the picture on the right (if not, please adjust them correspondingly).
5. If the ping function works, the firewall settings are correct and the database server is turned on, then go ahead and verify if on the client pc the following settings within MediTOOLS are correct (to be found under „Settings“→„Options“→ „Settings“)
 - a. The hostname for the database server is entered correctly,
 - b. The database user password is „SYSDBA“,
 - c. The path for the database is identical to the one on the server pc.
6. Next please re-enter the database password on the MediTOOLS-Client („Settings“→„Change database password“) to make sure that the password indeed is identical.
7. If no connection is established due to a lack in numbers of client licenses, the software will notify you accordingly explicitly. Here you have two options:
 - a. More connected users are listed than actually in place. This may occur when a MediTOOLS-connection to the server pc was not logged out properly due to software or computer crash. In this case open the „Firebird Server Manager“ from the control panel. Reset the server by stopping and re-starting this service (top right button). When next launching the MediTOOLS-Client the proper number of connected clients should be shown.
 - b. You do not have enough licenses. To resolve this contact your local dealer to obtain the proper number of licenses.

