



QUIK server

How to relocate



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Step 1. QUIK server relocation

1. Copy the directory with the QUIK server from the old computer to the new one, open the **quik.ini** file in the server directory and make sure, that it contains the following sections:

```
[system]
service=QuikService
service-desc=QUIK Server

[service]
name=QuikService
description=QUIK Server
```

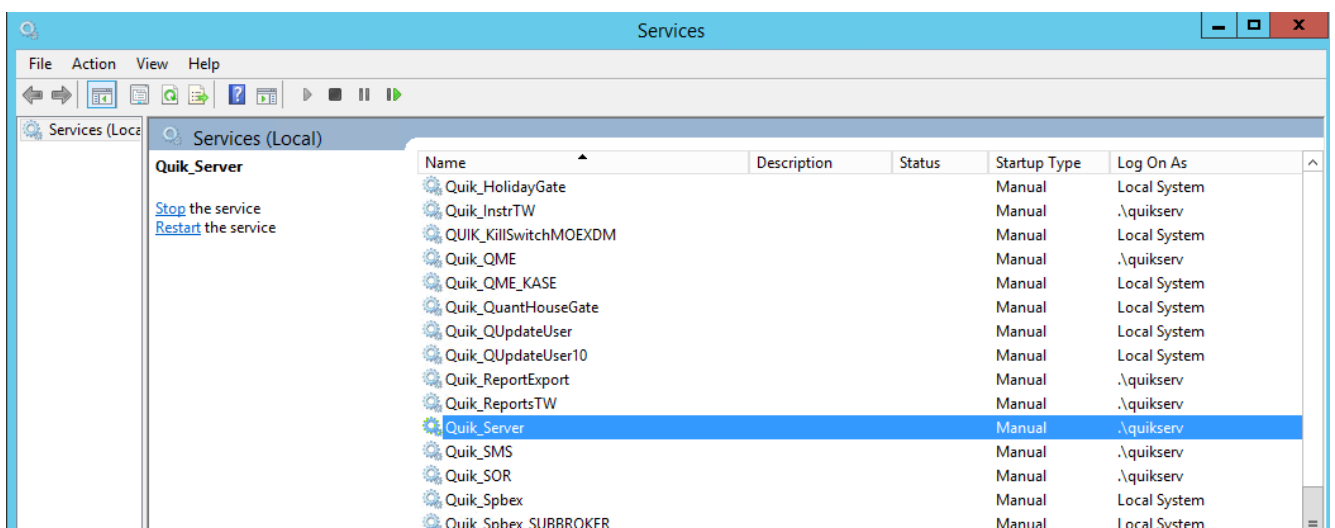
If such sections do not exist, add them.

Run the following command in the server folder:

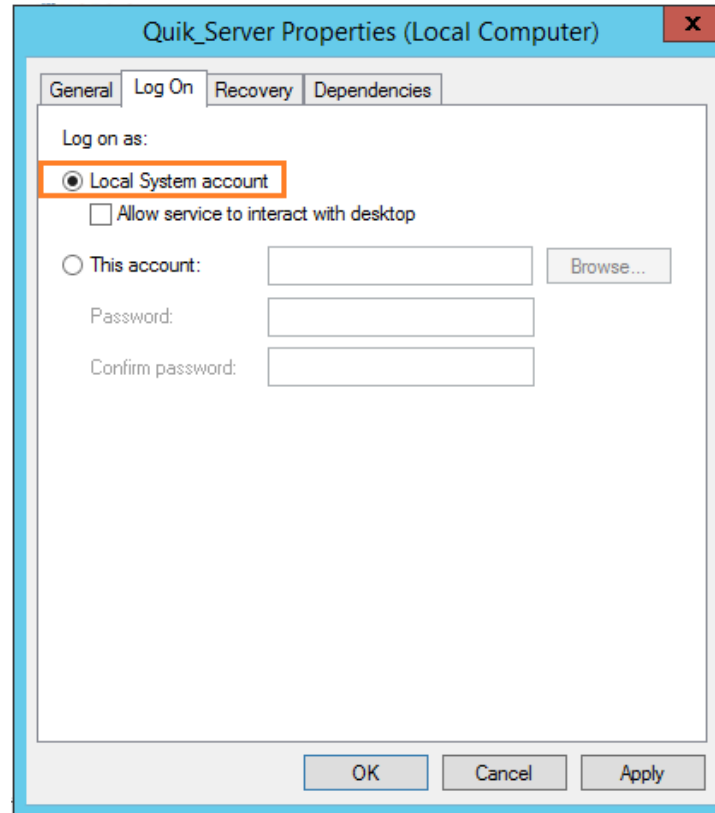
```
quik.exe -install
```

Make sure that the server service was successfully installed. To do this open the service management dialog box with the help of the following command:

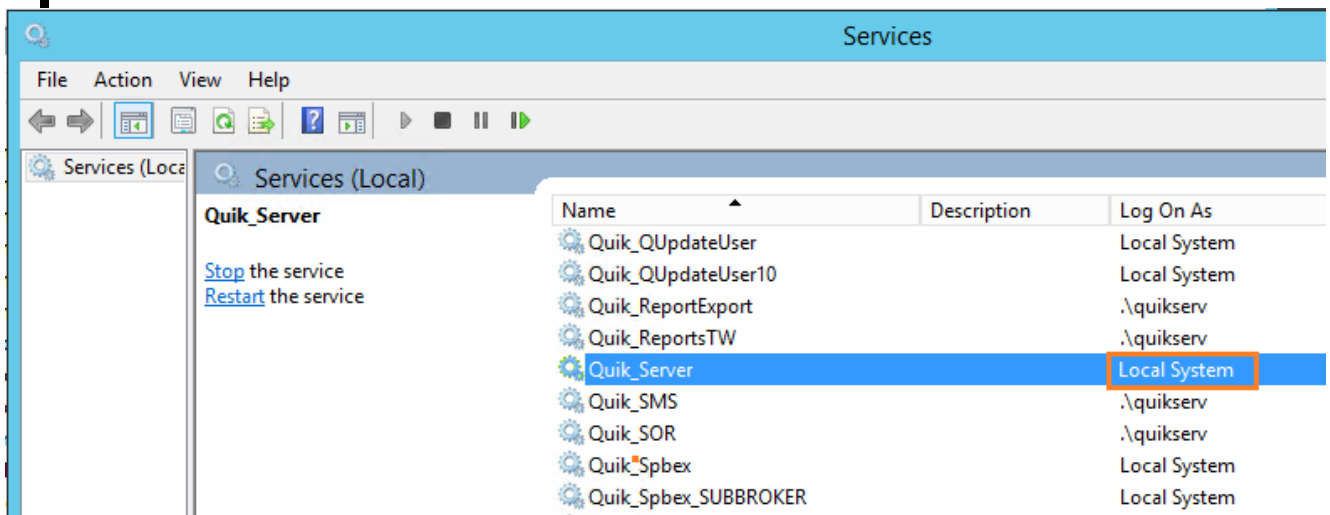
```
services.msc
```



ATTENTION! If the QUIK server previously operated under the system account:



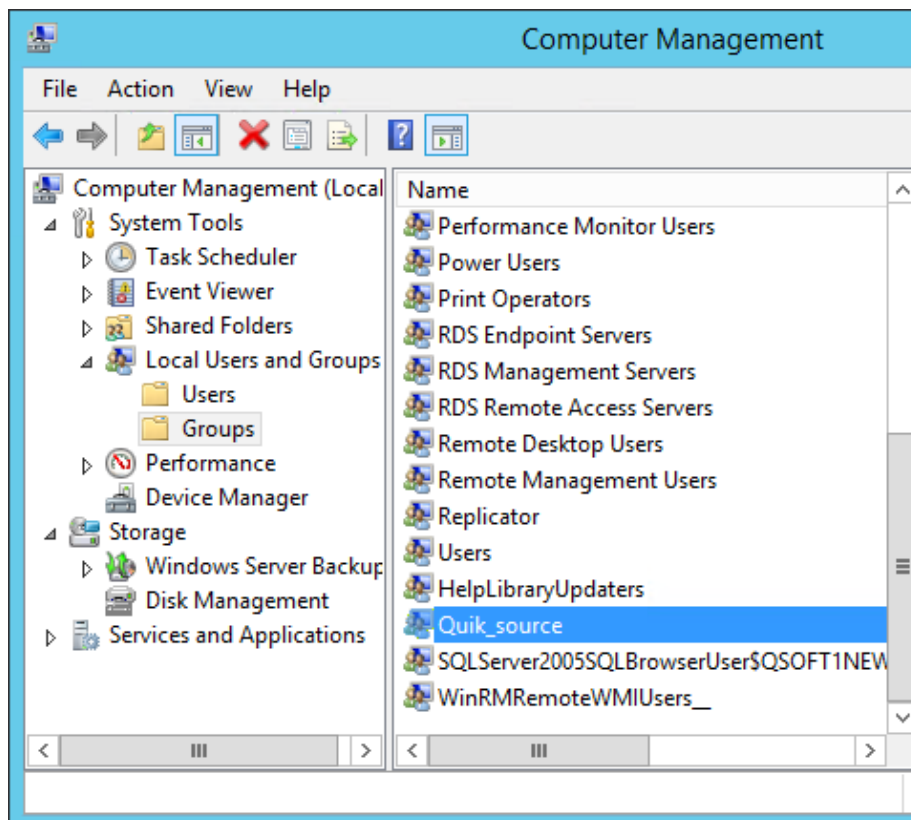
than skip the items from 2 to 5, make sure the server service is launched under the Local System name.



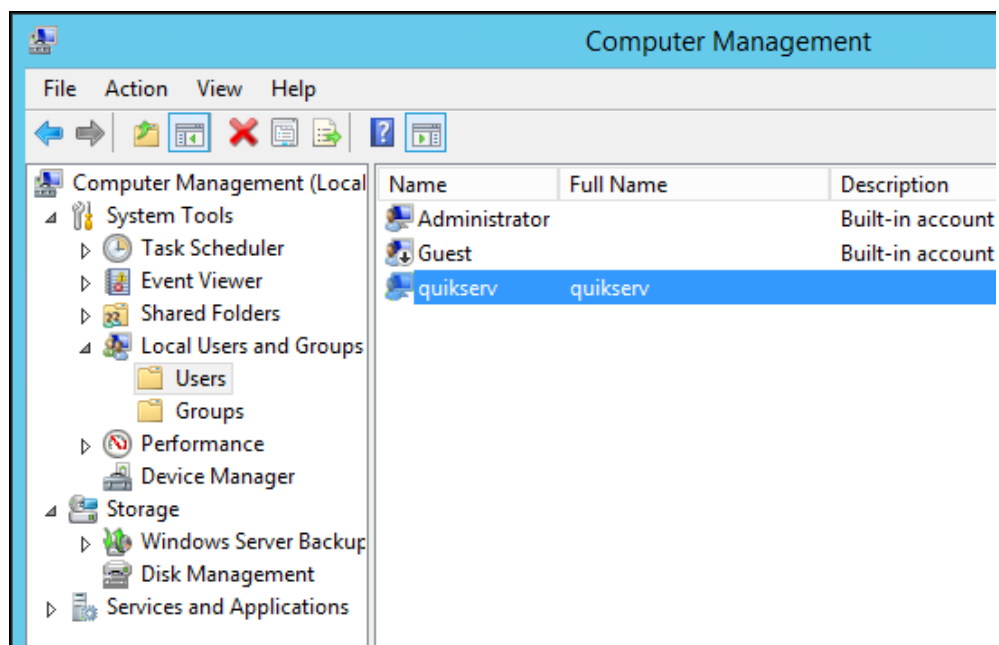
2. If the server service is launched under a separate account is needed, then in the **Computer Management** dialog box create a quikserv user and Quik_source group for operation in the QUIK system.

To do this use the following command:

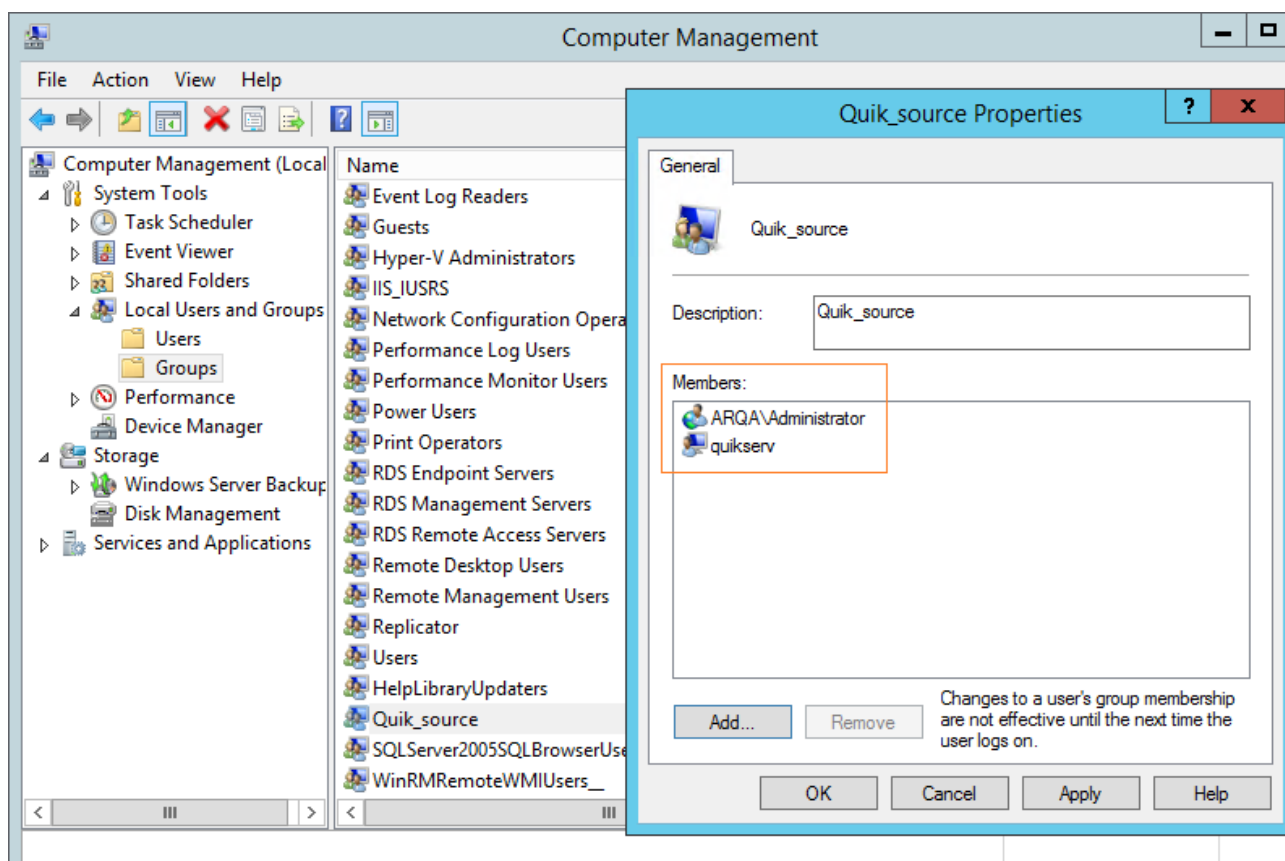
```
compmgmt.msc
```



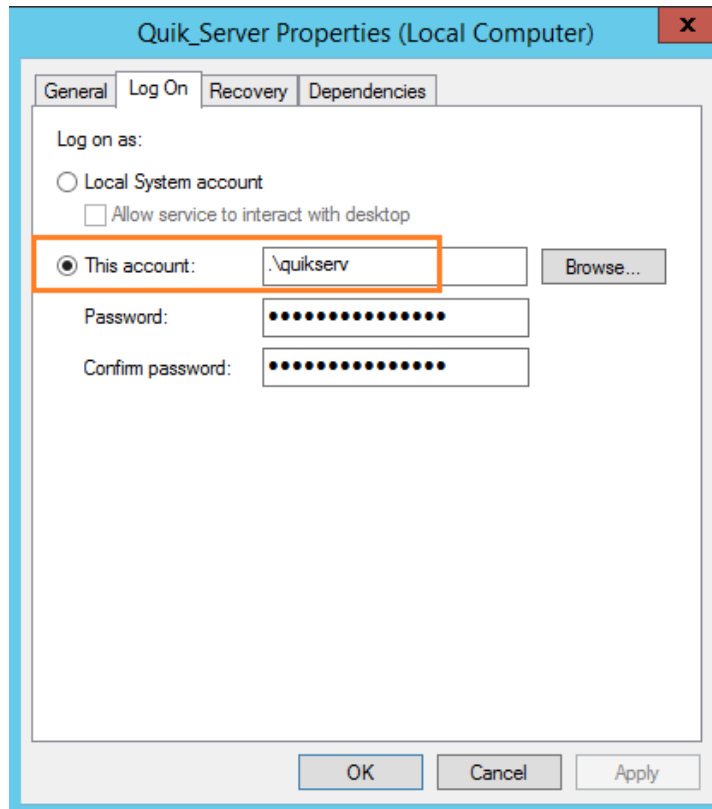
3. Create a user with administrator permissions with the **quikserv** name (or any other name) and set up a password.



Add the user to the previously created group (in step 1.2). The administrator of the Windows server, on which the QUIK server will operate, is recommended to be included to that group.



4. Setup the QUIK server to operate under the **quikserv** user (created in step 1.3). To do this in the service launch parameters specify the name and password, under which the service will operate in Windows. To do this select the Log On option button and type the credentials of the QUIK system manager created (name and password):

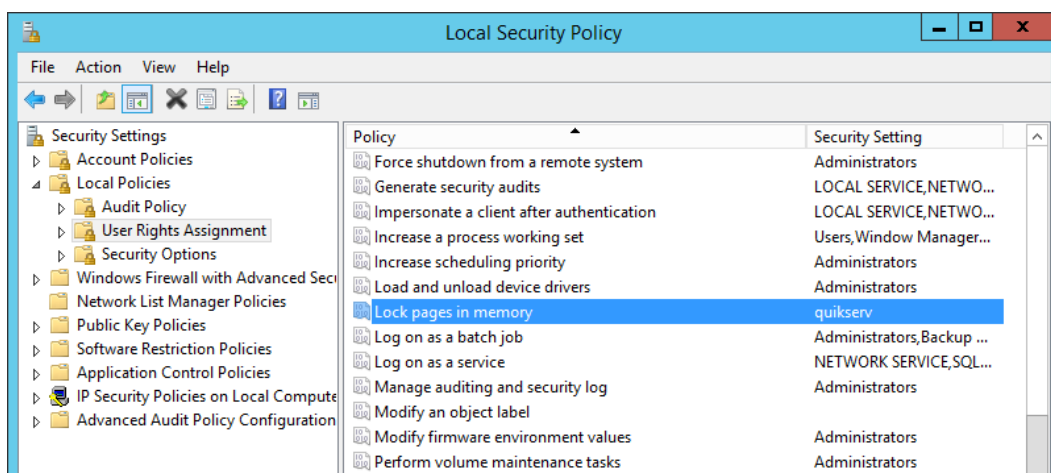


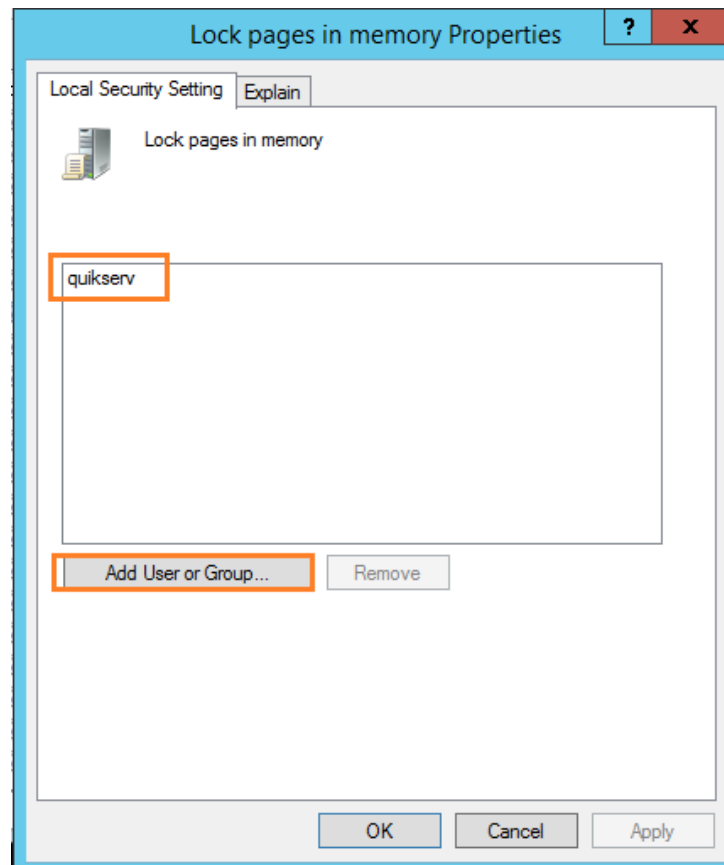
5. Assign the **Lock pages in memory** right to the user, under which the QUIK server is launched, if the server is launched under the local administrator permissions.

To do this use the following command:

```
secpol.msc
```

In the program open the **Local Policies / User Rights Assignment** section, open the settings of the **Lock pages in memory** property, click on the **Add user or group** button and add the user, under which the QUIK server operates, to the list.





Do the same to the users, under which the QUIK access servers are launched on the computers, where they are installed.

Step 2. QUIK server's database relocation

If the QUIK server's database was earlier installed on the separate SQL server, then it is not needed to be relocated. Make sure that the QUIK server's database is available on the new computer, where the QUIK server is installed, using the command

```
telnet ip-address_of_computer_with_SQL_Server 1433
```

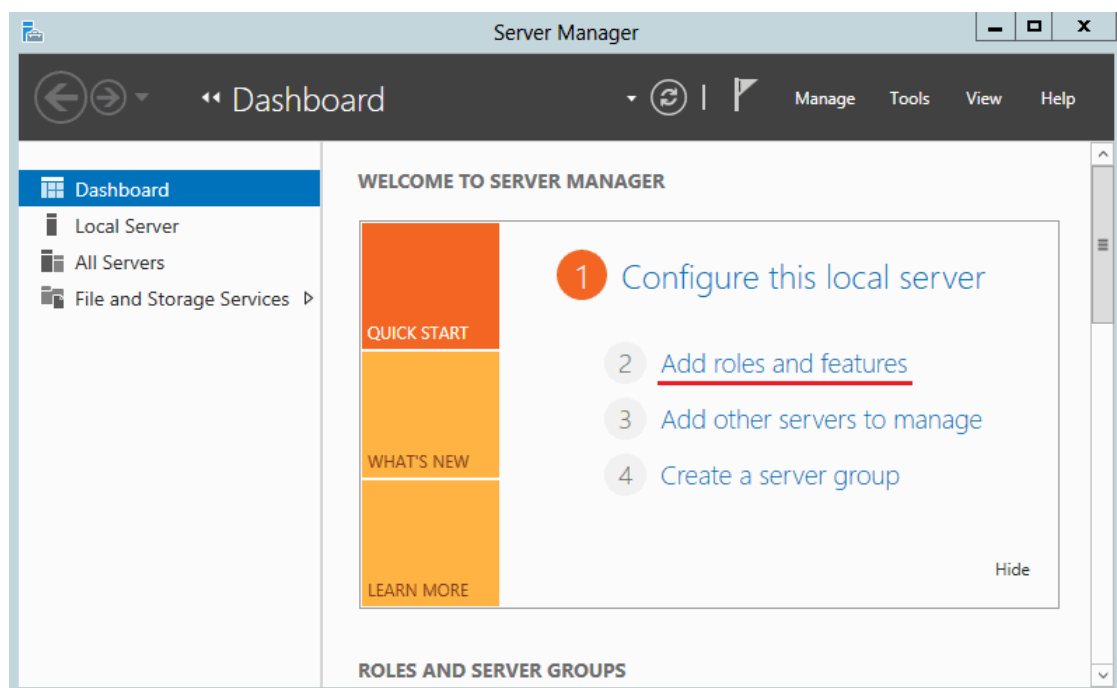
1433 – standard SQL Server port for database access (can differ if settings were made in MSSQL Server).

Note that in some cases the telnet command can be unavailable. An example of how to install the command for Windows Server 2012 is described below:

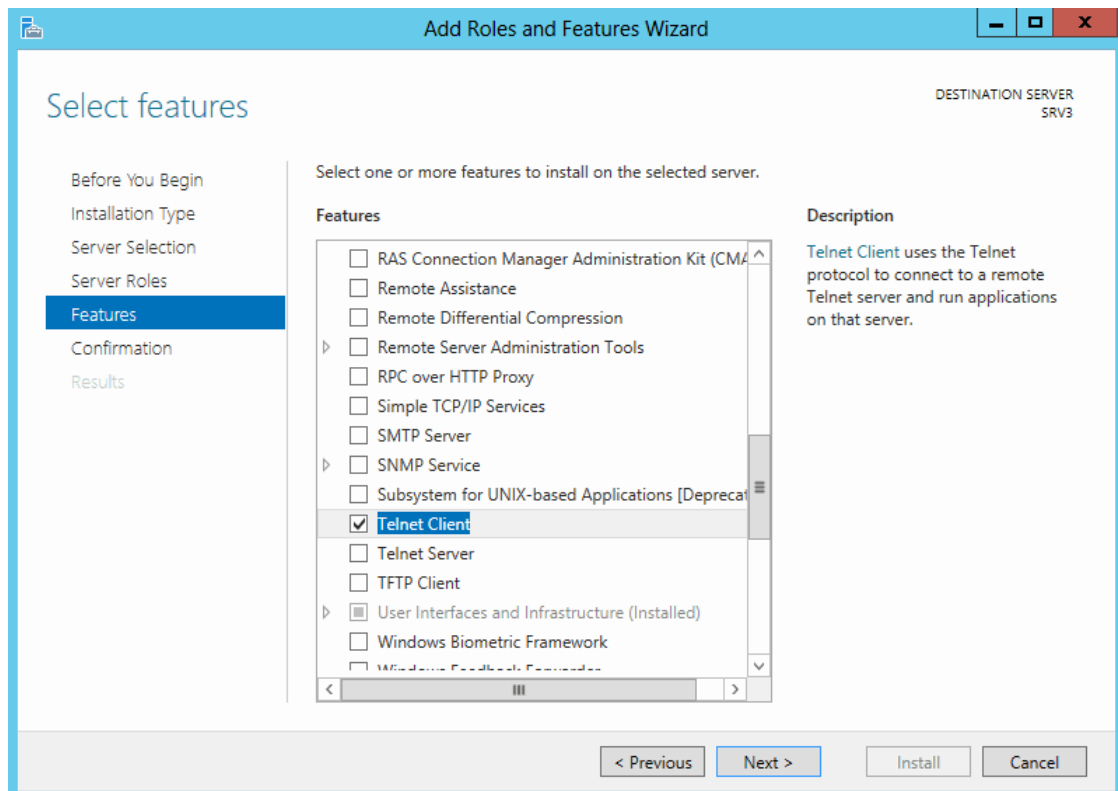
1. Launch the Server Manager with the help of the following command:

```
servermanager
```

2. Select **Add roles and features**:



3. On the **Server Selection** tab select your server. On the **Features** tab select the **Telnet Client** checkbox:



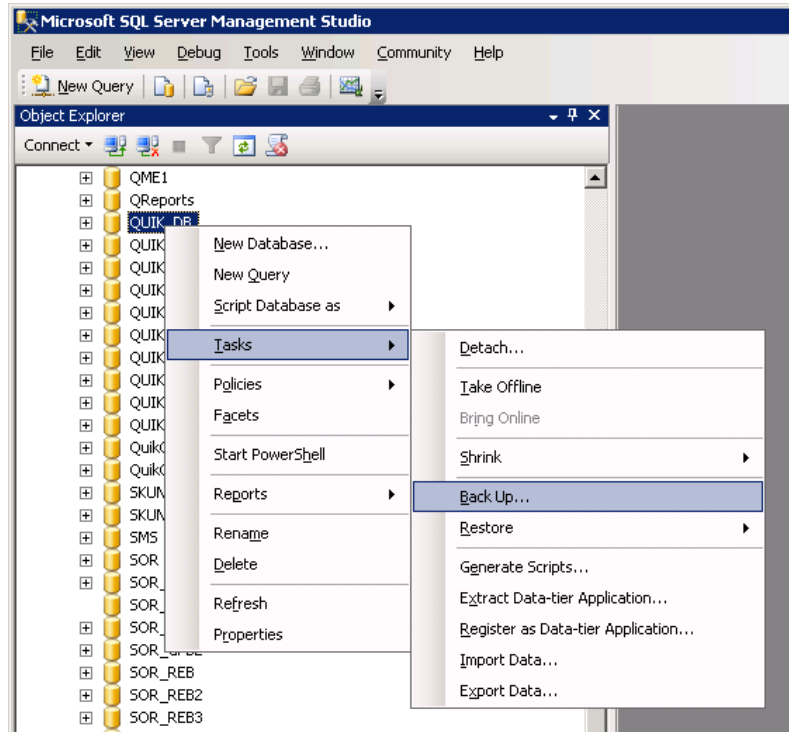
4. Click **Next**, then **Install**, and wait till the installation finished.

If in line with the QUIK server you relocate MSSQL Server with the QUIK server database to this (or another) computer, the QUIK server database can be relocated by creating Backup on the current server and deploy the backup on the new server.

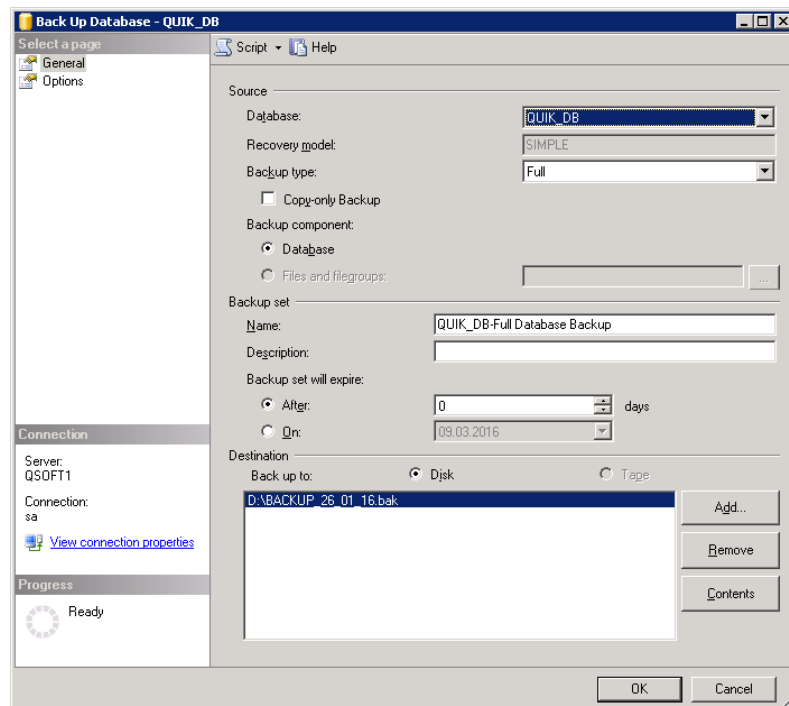
2.1 Creating BackUp database on the QUIK server

1. Launch the SQL Server Management Studio environment and find the QUIK server database.

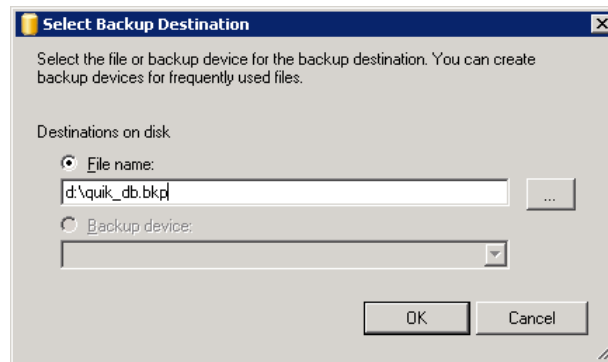
Click right mouse button on the database icon and select **Tasks\Back Up...** under the shortcut menu.



2. In the dialog box opened click **Add**.



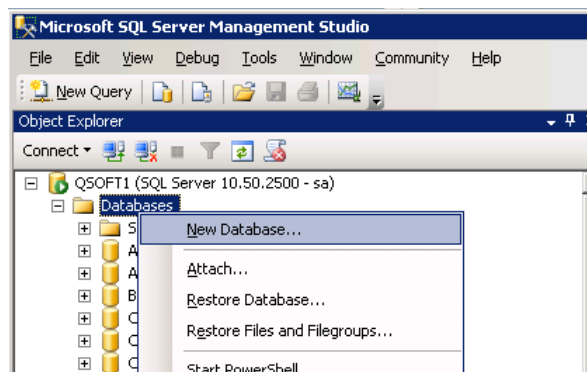
3. Specify the Backup file name:



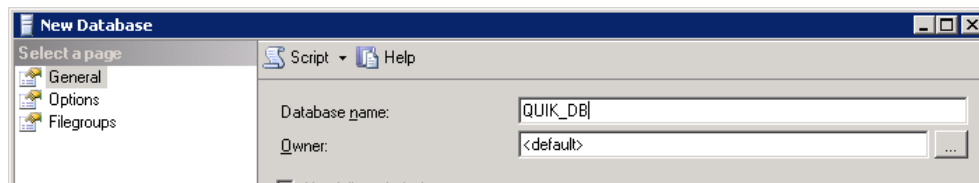
4. Click **OK, in the next dialog box click **OK** again. Copy the created file to the computer with the new MS SQL Server.**

2.2 Deploying MSSQL database from the Backup

1. In the new MS SQL Server create a database to be used by the QUIK server. Launch the SQL Server Management Studio environment. Click right mouse button on the Database icon and select **New Database...** under the shortcut menu.



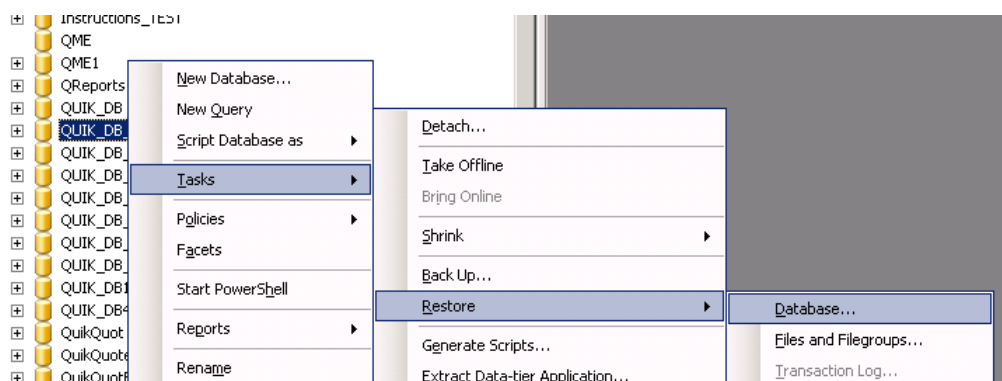
2. In the new database settings on the **General** tab in the **Database name** box specify the database name, e.g. QUIK_DB.



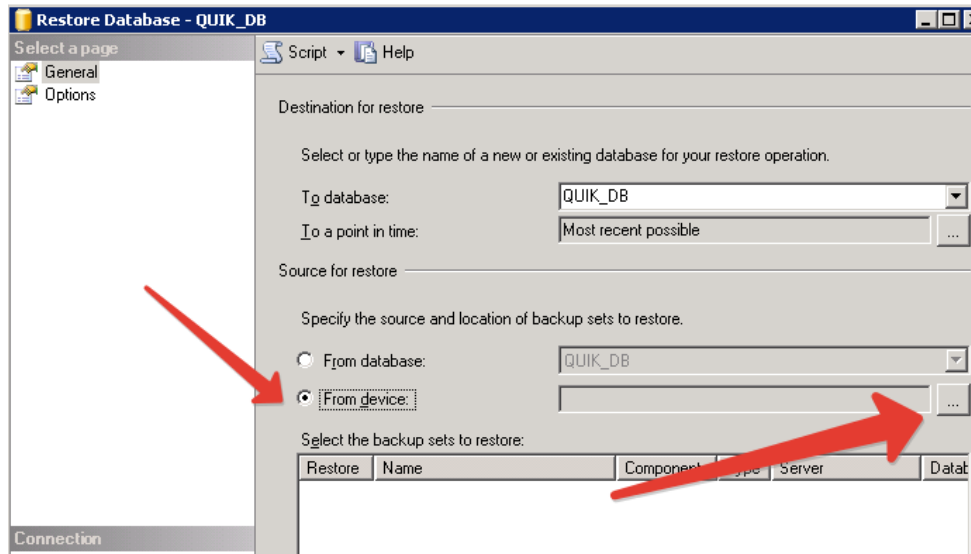
3. In the **Database files** section in the **Path** parameter specify the file path, e.g.:

Database files:		
Logical Name	Path	File Name
QUIK_DB	D:\DATABASE	...
QUIK_DB_log	D:\DATABASE	...

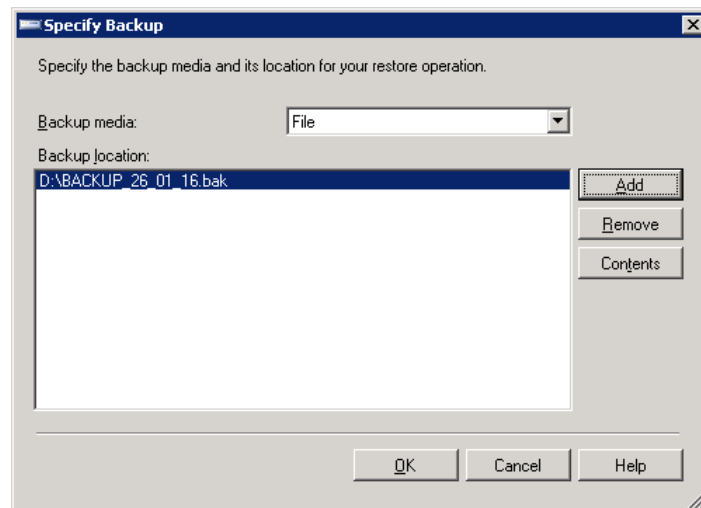
4. Click **OK** to create the database.
5. Then in the newly created database restore the data structure from the backup file. To do this select the created database in the list and select **Tasks\Restore\DataBase...** under the shortcut menu.



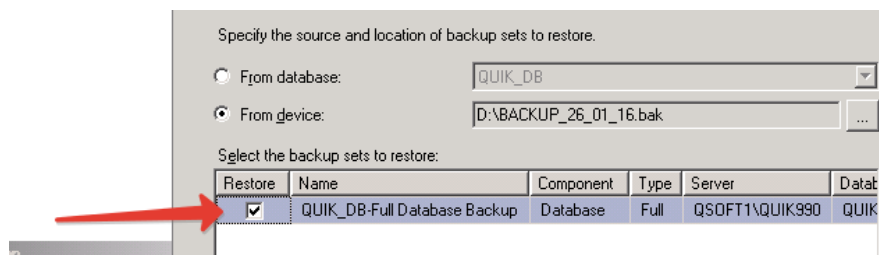
6. In the opened **Restore database** dialog box select a value for the **From device** parameter clicking on the “...” button.



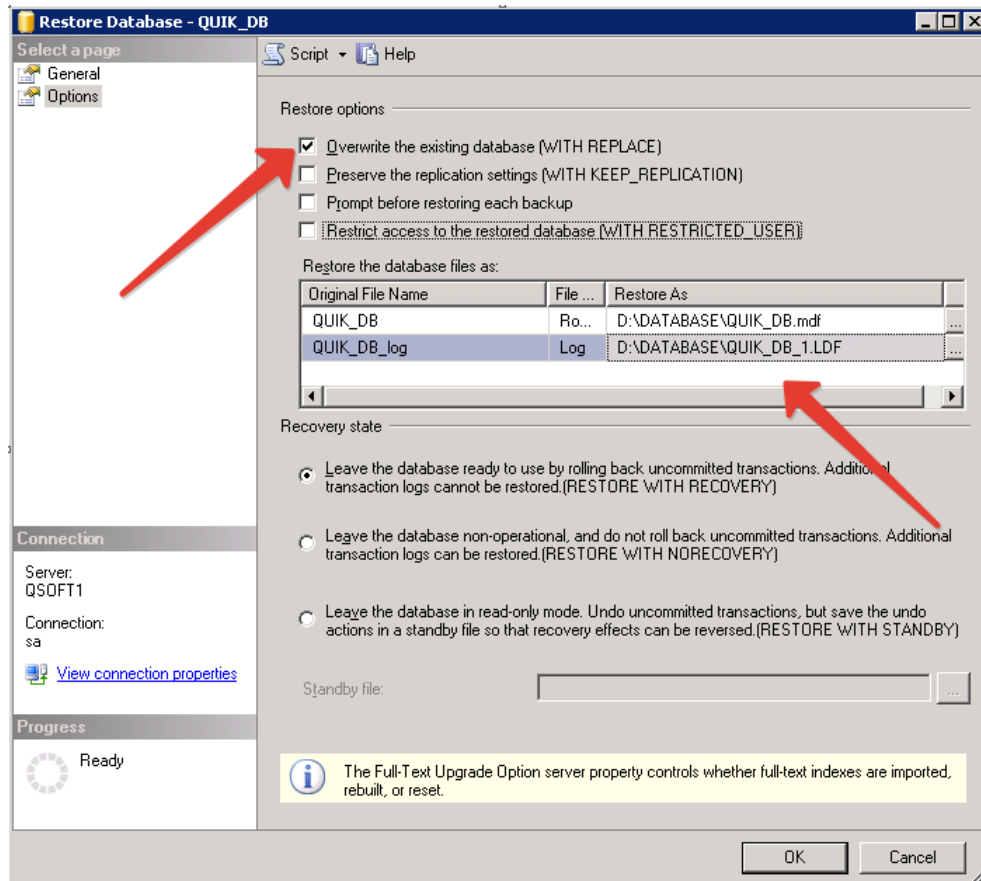
7. **Specify Backup** dialog box will open. Click **Add**. In the dialog box opened select the file of the QUIK_DB database backup. Click **OK** to close the dialog box and click **OK** again to close the **Specify Backup** dialog box.



8. In the **Restore Database** dialog box in the **Select the backup sets to restore** section check the **Restore** parameter.



9. In the **Restore Database** dialog box in the **Options** section check the **Overwrite the existing database** attribute and specify the file paths to the created database files:



10. Click OK and wait till the end of the restoring. The database is created.
11. On the QUIK server platform setup the ODBC driver. The installation kit files for the 64-bit Windows version are available on our ftp:

- _ For connection via **SQLOLEDB**:
<ftp://ftp.quik.ru/public/msodbcsql13.1-x64.msi>
- _ For connection via **MSOLEDBSQL**:
ftp://ftp.quik.ru/public/msoledbsql_x64.msi

2.3 QUIK server configuration

In the **QUIK\Server** folder open the **quik.ini** QUIK server configuration file to edit. In the [db] section specify the following parameters, if they were changed:

- Server – MSSQL server IP in format: tcp:<MSSQL_server_IP>.
- Base – QUIK DB name.
- user – login of the QUIK server database administrator (or login of SQL Server administrator – a).
- password – password of the QUIK server database administrator (or password of SQL Server administrator – a).
- db_connect_timeout – the timeout of connection between the QUIK server and the DB server (in seconds). Valid value range: from 1 to 600. Value by default: 60.
- ANSI2OEM – enable/disable automatic encoding conversion of all the symbol data transmitted from the DB to the QUIK server. Valid values: 0 – data is transmitted without conversion, 1 (by default) – data is converted from ANSI to OEM.
- AuthMode – type of authentication on MS SQL server. Valid values: login; domain.
- Driver – driver for ODBC (e.g., ODBC Driver 13 for SQL Server).
- Provider – provider for ODBC (e.g., SQLOLEDB).

Example of settings for connection to the SQL Server via SQLOLEDB:

```
[db]
server=tcp:127.0.0.1
base=QUIK_DB
user=sa
password=password
db_connect_timeout=30
ANSI2OEM=0
AuthMode=login
Driver=ODBC Driver 13 for SQL Server
Provider=SQLOLEDB
```

Example of settings for connection to the SQL Server via MSOLEDBSQL:

```
[db]
server=tcp:127.0.0.1
base=QUIK_DB
user=sa
password=password
db_connect_timeout=3
ANSI2OEM=0

AuthMode=login
Driver=
Provider=MSOLEDBSQL
```

2.4 Encoding configuration

Find the settings of the server and all the interfaces and change (or add) the parameter ANSI2OEM=0 in the sections from the table:

Program	INI file name	Section to add ANSI2QEM=0
QUIK server	quik.ini	[char_convert]
MOEX Securities Market trading interface	AstsGate.ini	[quik_server]
MOEX FX Market trading interface	AstsCurrGate.ini	[quik_server]
MOEX Derivatives Market trading interface	FortsGate.ini	[pt_connect_quik]
MOEX Securities Market trading interface (Classica sector)	rtsgate.ini	[pt_connect_quik]
MOEX trading emulator	AstsEmu.ini	[quik_server]
Saint-Petersburg Exchange trading interface	SpbexchangeGate.ini	[pt_connect_quik]
SPIMEX Derivatives Market trading interface	SpimexGate.ini	[pt_connect_quik]
SDCO clearing system information interface	SpimexSDC.ini	[pt_connect_quik]
MFD-Infocenter Market Data interface	MFDTW.ini	[pt_connect_local]
Eurex trading interface	EurexGate.ini	[pt_connect_quik]
CME trading interface	CMEGate.ini	[pt_connect_quik]
Turquoise trading interface	TurquoiseGate.ini	[pt_connect_quik]
LSE trading interface	LSEGate.ini	[pt_connect_S1]
LSE Derivatives Market trading interface	LSEDMGate.ini	[pt_connect_1]
KASE trading interface	KaseGate.ini	[pt_connect_quik]
WSE trading interface	WSEGate.ini	[pt_connect_quik]
EBS Spot FX program interface	EBSGate.ini	[pt_connect_quik]

Thomson Reuters spot matching	FxReuters.ini	[pt_connect_quik]
Market Data Interface of TREP RT system (Thomson Reuters)	ReutersGate.ini	[pt_connect_quik]
SunGard Global Network Market Data Interface	SungardGate.ini	[pt_connect_quik]
Quanthouse Market Data Interface	GLTW.ini	[pt_connect_quik]
Bloomberg B-PIPE Market Data Interface	BloombergGate.ini	[pt_connect_quik]
Interactive Brokers Market Data interface	IBGate.ini	[pt_connect_quik]
Nanex Market Data Interface	NanexGate.ini	[pt_connect_quik]
Information agency newsfeed interface	news2quik.ini	[QUIK_BROKER]
Non-trade instructions module	InstrTW.ini	[pt_connect_local]
Report generation module	ReportsTW.ini	[pt_connect_local]
Broker quotation system	SiceTW.ini	[pt_connect_local]
Alert dispatch module	SMSTW.ini	[pt_connect_S1]
Ukrainian Exchange trading interface	rtsgate.ini	[pt_connect_quik]
Ukrainian Exchange Derivatives Market trading interface	UxGate.ini	[pt_connect_quik]

Step 3. QUIK Administrator relocation

3.1 QUIK Administrator (QAdminSrv) relocation

If the QUIK Administrator server part (QAdminSrv) is planned to be located on the separate computer, install the ODBC Driver (if it was not installed earlier) on the QAdminSrv platform. The installation kit files for the 64-bit Windows version are available on our ftp:

- For connection via SQLOLEDB:

<ftp://ftp.quik.ru/public/msodbcsql13.1-x64.msi>

- For connection via MSOLEDBSQL:

ftp://ftp.quik.ru/public/msoledbsql_x64.msi

Open the **QAdminSrv.ini** file to edit and check the following settings:

```
[Instances]
15300=MainBase.ini           ;where 15300 is the port for the QUIK Administrator
                              client part connection, MainBase.ini is the name
                              of the configuration file for connection to the QUIK
                              server database
name=QuikAdministrator      ;Service name
displayname=QUIK Administrator ;Displaying name
```

1. Open the MainBase.ini file to edit and check the following settings in the [DB] section:

- _ BaseType=MSSQL;
- _ Server – MSSQL server IP in format: tcp:<MSSQL_server_IP>;
- _ Base – QUIK DB name;
- _ User – login of the QUIK server database administrator (or login of SQL Server administrator);
- _ Password – password of the QUIK server database administrator (or password of SQL Server administrator);
- _ Driver – driver for ODBC (e.g., ODBC Driver 13 for SQL Server);
- _ Provider – provider for ODBC (e.g., SQLOLEDB).

Example of settings for connection to the SQL Server via SQLOLEDB:

```
[DB]
BaseType=MSSQL
Server=tcp:127.0.0.1
Base=QUIK_DB
User=sa
Password=password
Driver=ODBC Driver 13 for SQL Server
Provider=SQLOLEDB
```

Example of settings for connection to the SQL Server via MSOLEDBSQL:

```
[DB]
BaseType=MSSQL
Server=tcp:127.0.0.1
Base=QUIK_DB
User=sa
Password=password
Driver=
Provider=MSOLEDBSQL
```

2. Open the **MainBase.ini** file to edit and check the following settings in the [DealerLibraryOptions] section:

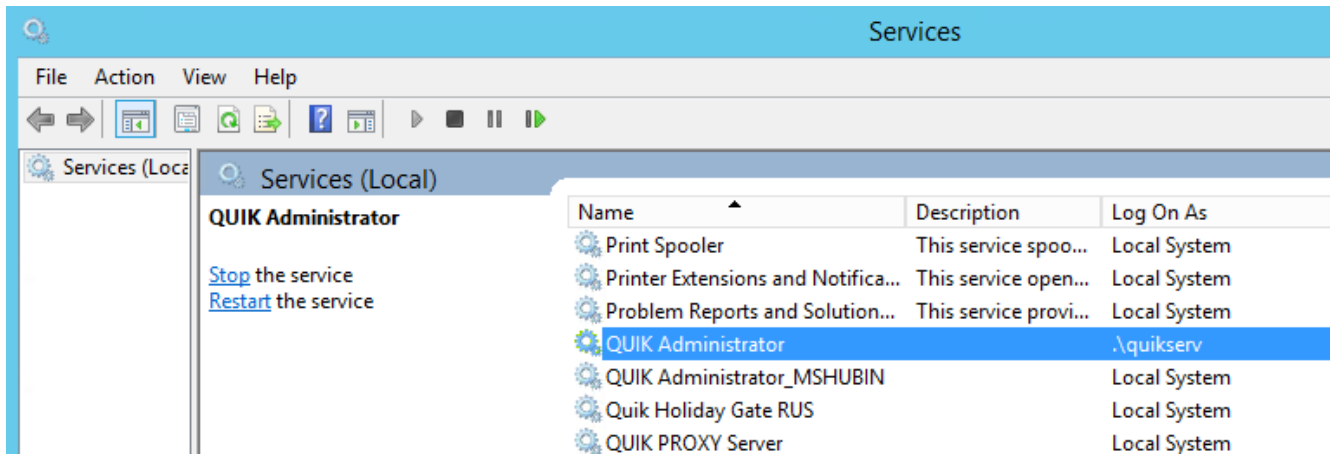
```
[DealerLibraryOptions]
QuikIni=..\..\SERVER\quik.ini    ;Path to the quik.ini file from QUIK
```

3. Launch the **QAdminSrv.exe** with -install from the command line

```
QAdminSrv.exe -install
```

Make sure that QUIK Administrator service is successfully installed. To do this, execute the command:

```
services.msc
```



3.2 Relocation of QUIK Administrator client part (QAdmin)

- On the computer with the QUIK Administrator client part install Microsoft .NET Framework 4.0 (if it was not installed earlier). To check your .NET Framework version, open the C:\Windows\Microsoft.NET\Framework directory and check if it contains v4.0 folder. If it does not contain such a folder, set up .NET Framework version 4.0. It can be downloaded from the Microsoft website:

[http://msdn.microsoft.com/en-us/library/vstudio/5a4x27ek\(v=vs.100\).aspx](http://msdn.microsoft.com/en-us/library/vstudio/5a4x27ek(v=vs.100).aspx)

- On the computer with the QUIK Administrator (QAdmin) client part install Crystal Reports (if it was not installed earlier). Crystal Reports distribution kit can be found in the update directory (CRRuntime_32bit_13_0_4.msi), or downloaded from the developer's website:

http://downloads.businessobjects.com/akdlm/cr4vs2010/CRforVS_redist_install_32bit_13_0_4.zip

- Copy the QAdmin client part from the old computer to the new one.

In the client part in **ip.cfg** file check the QUIK Administrator server connection parameters:

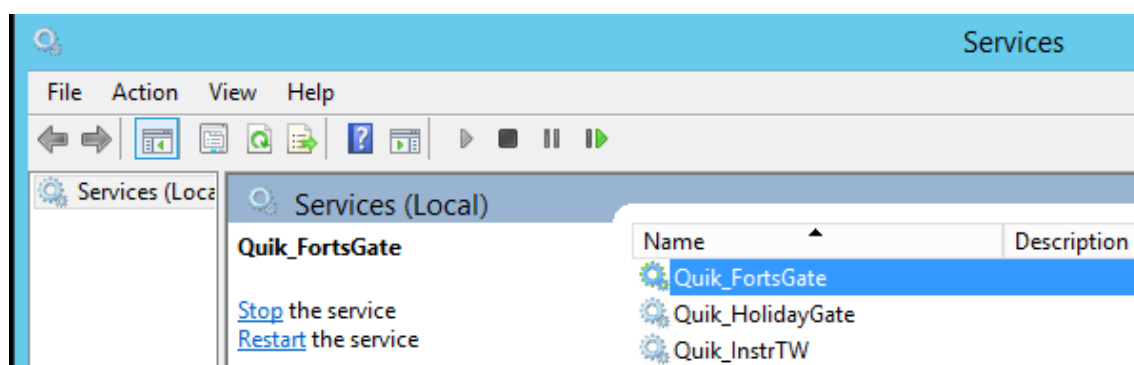
```
QUIK Administrator [127.0.0.1:15300:broker]
```

Step 4. Relocating interfaces to trading systems

To relocate the interfaces do the following:

1. Copy an interface directory from the old computer to the new one.
2. Install the interface by launching the executable file with `-install` key in the command line.
3. Make sure that the interface service is successfully installed. To do this, execute the command.
Для этого выполните команду:

```
services.msc
```



4. Open the main interface's configuration `*.ini` file to edit (file name coincides with the name of `*.exe` file).
5. In the interface's configuration file in sections with data for connection to the QUIK server, specify the IP address and port of the QUIK server:

```
server_ip_address=127.0.0.1      ;specify IP address of the computer with the QUIK
                                server
port=16100      ;change the port, if it differs from the one specified in quik.ini file
                of the QUIK server configuration in [data_ip_module] section in port
                parameter
```

Section names for each interface are specified in 2.4 Encoding configuration.

6. Make sure that the interface part of the trading system, you are connecting to, is available.

For example, for interfaces to Moscow Exchange Securities and FX markets it can be done with the help of the TEClient program, which is located in the interface's directory (launch it under

the account specified in the service settings). Next try to connect the trading system using the existing connection parameters. If the connection is successfully established, the interface can be launched.

Important!

If you use password encryption, the encrypted passwords will be impossible to decrypt after the interface relocation to another computer. They must be specified again. An encrypted password can be defined by # in the beginning, e.g.:

```
Password=#01000000D08C9DDF0115D1118C7A00C04FC29...
```

To restore such a password in the password parameter, specify a password putting a \$ before it. For example:

```
Password=$qwerty
```

At the service start up the password will be encrypted again.

Contacts

Please don't hesitate to ask your questions

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