

Adding SQL Server instances

To back up or restore a database, you must first add the SQL Server instance to the SQL Backup Pro graphical user interface (GUI). SQL Backup Pro displays the list of SQL Server instances that have been added in the [Registered SQL Servers pane](#).


You can add the SQL Server instances by:

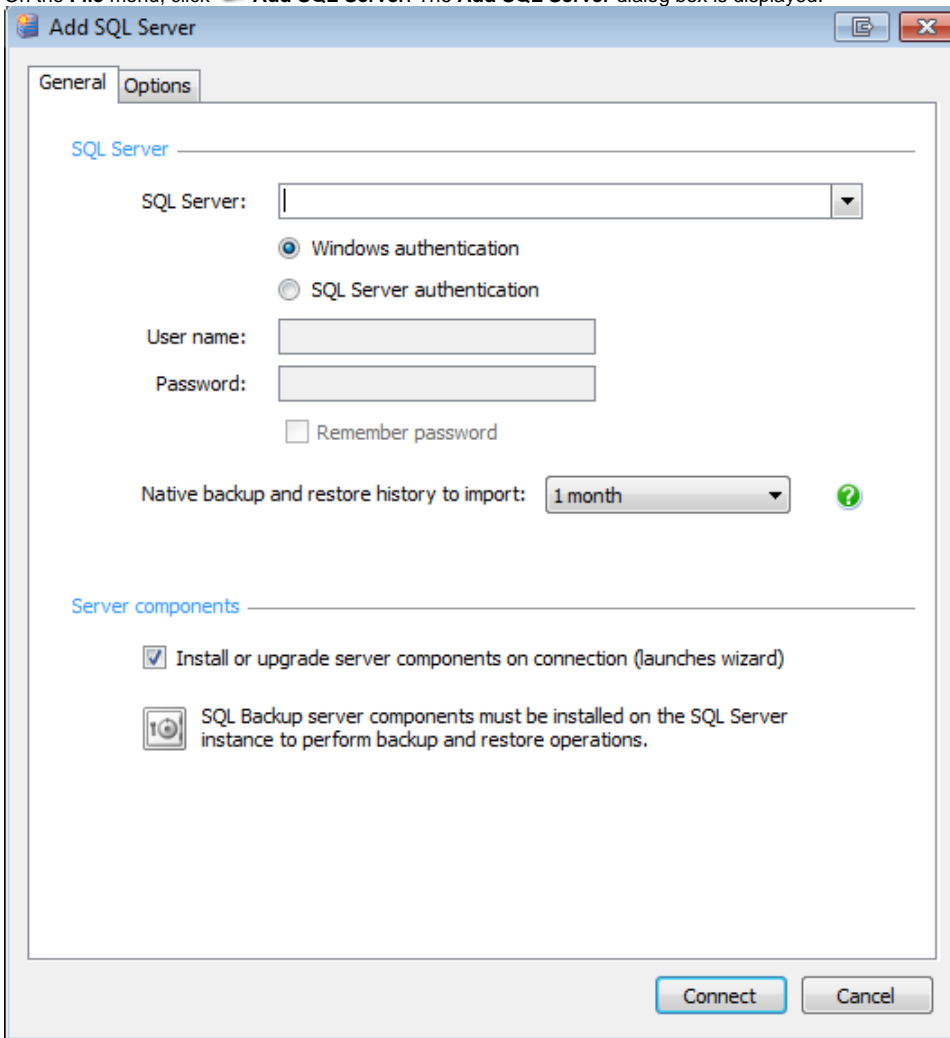
- [specifying the instances by name](#)
- [importing registered SQL Servers](#) from Microsoft SQL Server Management Studio, Microsoft SQL Server Enterprise Manager, or SQL Backup 4.


When you have added a SQL Server instance, you can:

- [edit the registration](#) to change the authentication or connection properties
- [removing an individual SQL Server instance registration, or an entire group](#)

Adding SQL Server instances by name

1. If you have set up more than one location and time zone, select the tab for the location in which you want to register the SQL Server instance.
2. On the **File** menu, click  **Add SQL Server**. The **Add SQL Server** dialog box is displayed.



3. Type or select the name of the SQL Server instance in the **SQL Server** box.
If you experience problems selecting a SQL Server instance that is not running on the LAN, for example if you are accessing the SQL Server instance via an internet connection, you may need to create a SQL Server alias using TCP/IP; refer to your [SQL Server documentation](#) for details. You can then type the SQL Server alias name in the **SQL Server** box to connect to the remote SQL Server. (Note that this SQL Server alias is not the same as the SQL Backup alias, in the **Options** tab.)
4. Select the authentication method for connecting to the SQL Server.
For Windows authentication, the credentials of the user currently connecting to the GUI are used. The user must be a member of the *sysadmin* fixed server role.
For SQL Server authentication, enter the user name and password for a user who is a member of the *sysadmin* fixed server role. The password will be encrypted. If you do not select **Remember password**, when you next start SQL Backup Pro  will be displayed next to the SQL Server instance name to indicate that SQL Backup Pro has not attempted to connect to the SQL Server instance; double-click the icon or right-click and select **Edit** to enter the authentication details.


- By default, SQL Backup Pro imports the last **1 month** of history for *native* backup and restore operations into an internal cache. You can change the amount of native activity history to import, but should be aware that it may take a long time to import and display all the activity history for the SQL Server. The time taken to import the data depends on the number of databases on the SQL Server, the length of time the SQL Server has been in service, and the amount of activity on the SQL Server. You can choose **None**, **1 week**, **1 month**, **3 months**, **6 months**, **1 year**, or **All**.




If the SQL Server instance has previously been used with SQL Backup (version 4 or above), *all* activities that were created by SQL Backup are imported, irrespective of the time period you select for importing native activity history.

- By default, when you add a SQL Server instance, the **Install or Upgrade Server Components** wizard is displayed so that you can install or upgrade the server components; SQL Backup Pro requires server components to be installed on each SQL Server instance so that it can perform backup and restore operations. If you do not want to install or upgrade the server components now, clear the **Install or upgrade server components on connection** check box.
For more information about installing the server components, see [Installing the server components on a SQL Server instance](#).
For more information about upgrading, see [Upgrading the server components](#).
For details of the permissions required by the SQL Backup Agent service, see [Permissions](#).
- On the **Options** tab, under **Location and group**, select the location in which the SQL Server is situated.
For more information about locations, see [Time settings and locations](#).
- From the **Group** list, select the SQL Server group to which you want to add the SQL Server instance.
For more information about groups, see [Managing SQL Server groups](#).
- To set up a SQL Backup alias for the SQL Server instance, in **Alias** type the alias that you want to use. The alias will be displayed throughout the SQL Backup Pro graphical user interface.
- To change the connection properties from their default values, under **Connection Properties** edit the values as required. For details, see [Connect ion properties](#) below.
- Click **Connect**.

SQL Backup Pro adds the SQL Server instance. This may take a few minutes. The SQL Server instance is displayed in the [Registered SQL Servers](#) pane.

If there was a problem with the authentication,  is displayed next to the SQL Server instance name. For example, this is displayed if you have entered the password incorrectly. Click the icon to correct the authentication details.

If there was a problem connecting to the SQL Server instance,  is displayed next to the SQL Server instance name. Click the icon to see further details of the problem. You can also try the following to rectify the problem:

- Verify that the SQL Server is online and that the SQL Server name is listed in your LAN by *pinging* the address.
For example, open a command prompt and run the following command:

```
ping: <server name>
```

- If the SQL Server is online, verify that you are connecting to the correct port. If your SQL Server is not running on the default port (1433), in the **Add SQL Server** dialog type the following in the **SQL Server** box: `<server name\instance>,<port>`
For the default instance, use: `<server name>,<port>`
- If you are sure that you are connecting to the correct port, force SQL Backup Pro to use the TCP/IP network protocol when it makes the connection by setting the connection properties for the SQL Server (see [Connection properties](#) below).

If you chose to install or upgrade the server components, the **Install or Upgrade Server Components** wizard is displayed to guide you through the process. For more information, see [Installing the server components on a SQL Server instance](#).

Connection properties

To change the connection properties:

- On the **Add SQL Server** dialog box, select the **Options** tab.
- Select the required network protocol from the **Network protocol** list.
The available client protocols are those configured in Microsoft SQL Server using the Client Network Configuration in Computer Management.
- In **Network packet size**, type or select the size of the network packets to be sent. The default value is 4096 bytes.
- In **Connection time-out** type or select the number of seconds to wait for a connection to be established before timing out. The default setting is 15 seconds.
- In **Execution time-out**, type or select the number of seconds to wait before execution of a task is stopped. The default value is zero seconds (no time-out).
- To force the connection to be encrypted, select the **Encrypt connection** check box.



TLS 1.2 Support

In order to enable TLS 1.2 for the GUI.

- Ensure that your operating system supports TLS 1.2
- Install .NET 4.6 or greater
- Set following registry flag

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\ .NETFramework\v4.0.30319]  
"SchUseStrongCrypto"=dword:00000001
```

(This will enable all .NET 4.6 applications to use TLS 1.2)

Importing SQL Server instances

To select SQL Server registrations that exist already on SQL Backup version 4, SQL Server Management Studio, or SQL Server Enterprise Manager:

1. On the **File** menu, click **Import SQL Servers**. The **Import SQL Server Registrations** dialog box is displayed showing any existing SQL Server registrations in a tree structure.
2. Select the check boxes for the SQL Server registrations that you want to import.
3. In the **Location** list, select the location into which you want to import the SQL Servers. For more information about locations, see [Time settings and locations](#).
4. Click **Import**.

SQL Backup Pro imports the SQL Server instances.

Editing a SQL Server instance registration

To change the SQL Server authentication or the connection properties:

1. Right-click the name of the SQL Server instance in the **Registered SQL Servers** pane and click **Edit**.
2. Edit the registration settings and connection properties as required.
3. Click **Connect**.

Removing SQL Servers

To remove a SQL Server instance from the Registered SQL Servers pane, do one of the following:

- Right-click the name of SQL Server instance in the Registered SQL Servers pane, and click **Delete**.
- Click the name of SQL Server instance in the Registered SQL Servers pane, then on the **Edit** menu, click **Delete**.

To remove all SQL Server instances in a SQL Server group and delete the group, do one of the following:

- Right-click the name of the group in the Registered SQL Servers pane, and click **Delete**.
- Click the name of the group in the Registered SQL Servers pane, then on the **Edit** menu, and click **Delete**.



Removing SQL Server instances does not affect any SQL Backup Pro jobs on the instances.