

## Data Source Properties dialog for a DB data source

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To access this dialog from the [Database tool window](#):

- When creating a new data source:  
Alt+Insert or **New** in the context menu, then select **Data Source**.  
If there are data sources already defined, select any of the data sources first.
  - For an existing data source:  
Enter or **Properties** in the context menu.
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Use this dialog to configure a [DB data source](#).

- [Data source name, Scope and the Test Connection button](#)
- [Database tab](#)
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- [Console tab](#)
- [Advanced tab](#)

### Data source name, Scope and the Test Connection button

Item	Description
Data source name	Use this field to edit the name of the data source.
Scope	Select: <ul style="list-style-type: none"><li>■ <b>Project</b> if the data source should be available only in the current project.</li><li>■ <b>IDE</b> if the data source should be available in all of your projects.</li></ul>
Test Connection	Click this button to make sure that the database connection settings are correct and IntelliJ IDEA can communicate with the target database. (This button is located in the lower-left part of the dialog.)

### Database tab

Item	Description
JDBC driver files	Specify the <a href="#">JDBC driver</a> to be used to interact with the database. Use the list options to download the necessary driver files from the Internet (the corresponding option names include the word <b>download</b> ), or select the driver files associated with a different data source (the <b>&lt;data source name&gt; driver</b> options).  If the corresponding driver files are available locally on your computer, click  (Shift+Enter) and select the driver file location(s) in the <a href="#">dialog that opens</a> .
JDBC driver class	Select the name of the class that implements the necessary JDBC driver. (The list includes all the driver classes detected in the <a href="#">specified driver files</a> .)
Database	Specify the URL of the target database. For example, for a MySQL database

URL	<p>the URL may look something similar to this:</p> <pre>jdbc:mysql://&lt;db_host&gt;:&lt;db_port&gt;/&lt;db_name&gt;</pre> <p>where</p> <p>&lt;db_host&gt; is the hostname (domain name) or the IP address of the computer on which the database is located,          &lt;db_port&gt; is the database port (3306 by default for MySQL) and          &lt;db_name&gt; is the name of the database.</p> <p>Note that if SSH is used to access the database, the database host and port are specified in the <a href="#">Configure SSH Tunnel dialog</a>. In this field, you should specify localhost or 127.0.0.1 in place of the target DB host and the <a href="#">local SSH port</a> in place of the DB port.</p> <p>Using the MySQL example above, you would specify</p> <pre>jdbc:mysql://localhost:&lt;local_ssh_port&gt;/&lt;db_name&gt;</pre> <p>in this field.</p> <p>&lt;local_ssh_port&gt; here is the local SSH port specified in the <a href="#">SSH tunnel will be opened... field</a> of the <a href="#">Configure SSH Tunnel dialog</a>.</p> <p>The database host and port information would be specified in that dialog too, in the <a href="#">Remote DB host</a> and <a href="#">Port</a> fields respectively.</p> <p>To configure SSH access to the database, click <a href="#">Configure SSH</a>.</p>
User	Specify the name of the database user (i.e. your database user account name).
Password	Specify the password for the <a href="#">database user</a> .
Auto sync	<p>Select this check box to enable auto-synchronization of the data source view in the <b>Database</b> tool window. As a result, the view will be automatically updated when you change the database properties or run the corresponding DDL statements in the console. Thus, you won't need to perform the <a href="#">Synchronize command</a> (Ctrl+Alt+Y) for the corresponding database.</p> <p>Note that auto sync is performed for the overall database and, thus, may be time-consuming. So auto-synchronization is more suitable for "small" databases. If your database is "big", it's recommended that you sync its state manually (e.g. Ctrl+Alt+Y), and only for the appropriate database parts such as separate tables.</p>
Configure SSH	<p>If the target database should be accessed using SSH, click this button and specify the associated settings in the <a href="#">Configure SSH Tunnel dialog</a> that opens.</p> <p>See also, <a href="#">Database URL</a>.</p>

### Schemas & Tables tab

In this tab, specify the [schemas](#) or table name patterns to restrict the set of accessible tables in the target databases.

Specifying a schema makes sense if the target database supports schemas.

Item	Description
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Schemas	This read-only field lists all the schemas that are currently available in the system.
Scan for Tables	Select the check boxes next to the schemes which you want to use for retrieving tables. If you select the check box next to *, tables will be scanned in all schemes.
Make Default	If you select this check box next to a schema, the names of the tables accessed through this schema will be resolved by IntelliJ IDEA so you do not need to write their fully qualified names.
Table Names Pattern	In this text box, type a regular expression which determines the subset of accessible tables. IntelliJ IDEA will access the tables with names that match the specified pattern.  An asterisk * means that all available tables will be loaded.

### Console tab

In this tab, configure the general behaviour of the [Database Console](#) tool window.

Item	Description
Default SQL Dialect	From this drop-down list, select the SQL dialect to be used by default.
Default Run Configuration	In this drop-down list, specify the <a href="#">run configuration</a> to launch the <a href="#">Database Console</a> tool window.

### Advanced tab

In this tab, configure the connection properties manually. This is necessary if your JDBC driver (for example, DB2) does not return the list of supported properties and therefore connection cannot be established successfully. To edit a parameter, click the **Value** field next to the desired parameter, and update the field contents as required.

### See Also

Language and Framework-Specific Guidelines:

- [Creating and Importing Data Sources](#)
- [Configuring a DB Data Source](#)

Reference:

- [Database Tool Window](#)

Web Resources:

- [Developer Community](#)