Install Database Drivers

Table of contents

RStudio Professional Database Drivers

1

RStudio Professional Database Drivers

The RStudio Pro Database Drivers are installed on-demand by the RStudio IDE. Doing so requires internet connectivity.

To test this, start RStudio and invoke the **New Connection** dialog from the Connections pane.

Environment	History	Connections		
😟 New Conne	ection		Q,	
Connection			Status	

Figure 1: New Connection Button on Connections Pane Toolbar

The **New Connection** dialog shows the available database drivers.

Nev	v Connection		
c	connect to Existing Data Sources		
4	Athena	>	*
0	BigQuery	>	
Ð	Cassandra	>	
¥	Hive	>	
9	Impala	>	
٠	MongoDB	>	
-	MySQL	>	
N	Netezza	>	*
?	Using RStudio Connections	Cancel)

Figure 2: New Connections Dialog Showing Database Drivers

Select one, such as MySQL. RStudio first offers to install or update the necessary packages for database connectivity (unless previously installed). These packages apply to all database drivers, so this step will only happen once.

Insta	II Required Packages	×
?	Using MySQL requires updated versions of the following packages: odbc, rstudioapi.	
	Do you want to install these packages now?	
	Yes No	

Figure 3: Dialog Asking Permission to Install Database Connectivity Packages

Proceed, and the packages will download and install.

Installing Packages		Stop
downloaded 18.1 MB		•
trying URL 'https://cran.rstudio.com/bi Content type 'application/zip' length 1 		
trying URL 'https://cran.rstudio.com/bi	in/windows/contrib/3.5/rstudioapi_0	0.9.0.z
Content type 'application/zip' length 2	204248 bytes (199 KB)	
downloaded 199 KB		
package 'magrittr' successfully unpacke package 'assertthat' successfully unpac		

Figure 4: Installing Database Packages Progress Dialog

Once packages are installed, the prompt for installation of the database driver itself will appear.

New Connection	
Back MySQL Installation	
A This driver requires the <u>Visual C++ Redistributables</u> .	
The MySQL driver is currently not installed. Download and Install?	
Installation Path:	
C:\Users\gary_\AppData\Local\RStudio-Desktop\odbc\drivers	Browse
License: By downloading the MySQL driver I hereby acknowledge and the MySQL driver may only be used with RStudio software a be used on a standalone basis or with other software. Fur agree that the MySQL driver is subject to the RStudio end license agreement at https://www.rstudio.com/about/eula/ "Software" under such agreement and I agree to comply with and conditions thereof.	nd may not ther, I user and is
Next	Cancel

Figure 5: Dialog Asking Permission to Install a Database Driver

On Windows, each driver needs to make changes to the registry, and will require administrator access.

User Account Control		
Do you want to allow this app to make changes to your device?		
🎲 Registry Editor		
Verified publisher: Microsoft Windows		
Show more details		
Yes	No	

Figure 6: Windows User Account Control Dialog

Registr	y Editor	
1	Adding information can unintentionally change or delete values and cause components to stop working correctly. If you do not trust the source of this information in C:\Users\gary_\AppData\Local\Temp\RtmplxhPpw\file2ab87333148e.reg, do not add it to the registry.	
	Are you sure you want to continue?	
	Yes No	

Figure 7: Registry Editor Asking Permission to Modify Registry

Finally, the database connection can be configured by the user. On subsequent attempts to create a connection with this driver, RStudio will go straight to this screen.

New Connection	
Back	MySQL Connection
Server: User:	Port: 3306
Database:	Uninstall Test
Connection: library(DBI) con <- dbConne "3306", UID = "Database pase	Connect from: R Console ▼ ct(odbc::odbc(), Driver="mysql", Server = "", Port = "", PWD = .rs.askForSecret("mysql 4134", "Password", word:"), Database = "", timeout = 10)
	OK Cancel

Figure 8: Dialog for Creating a Connection with a Database Driver