JETBRAINS

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What is Datagrip?

Datagrip is a software developed by Jetbrains, a well known, well reputed company which dedicates its production to create software that allow programmers mostly to be more productive and help them to reach their max productivity.

Datagrip by the other side is not focused on programm3ing but on Database administration and helping database administrators to create scripts quickly thank to the automatic word prediction and mixing most of the database related tools on a one unique well working software. But it isn't free. It costs about 200$/year at first, and gradually it's price decreases by years of usage. Although there is a 30 days trial to check If you really need this program.

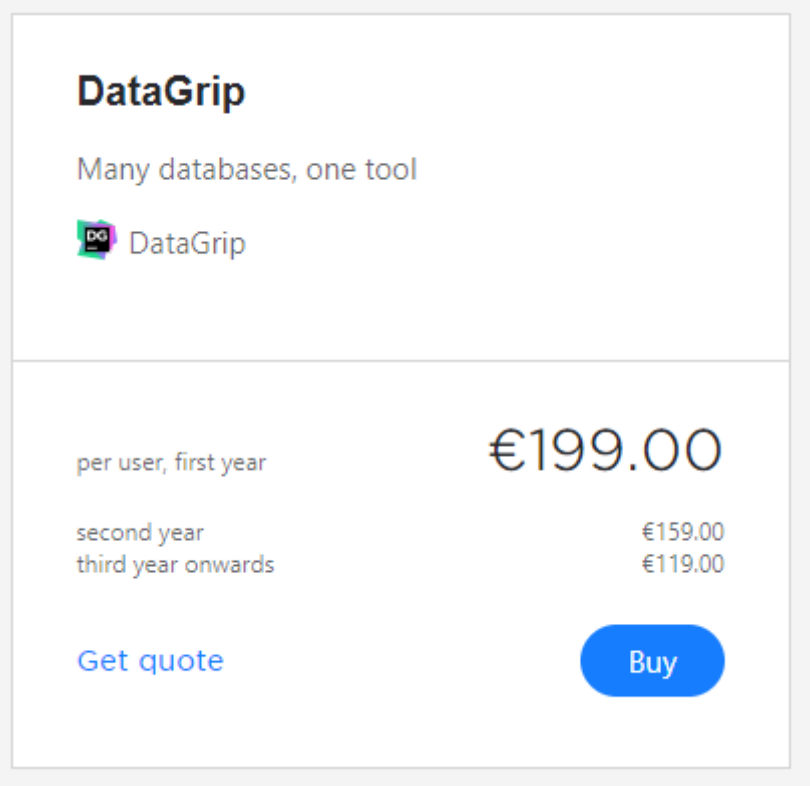

Figure 1: Datagrip cost

How to install?

It is possible to install Datagrip on Windows as well as on Linux (it comes like a "tar.gz") based systems.

Windows

The installation on windows is pretty easy just go to this link scroll down untill you see any Download label, and click the button. Please check first the file is an ".exe" :

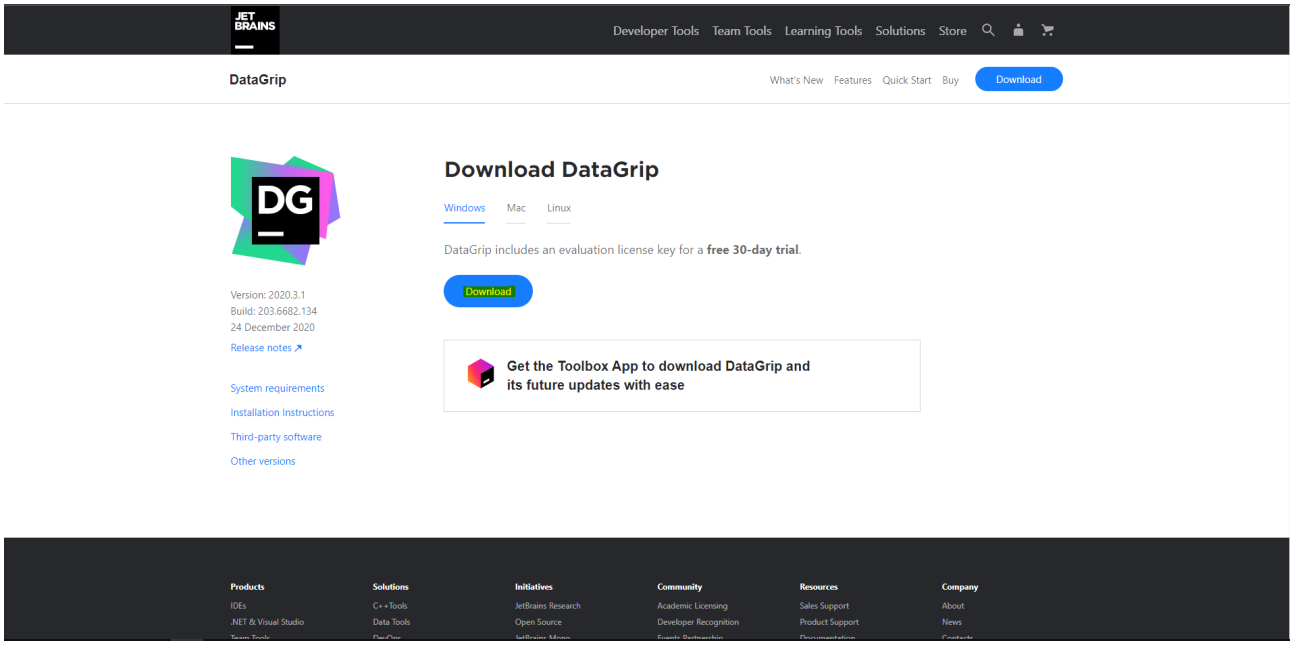

Figure 2: Download Datagrip, Windows

Once it is fully downloaded , double-click on the ".exe" file and the installer will pop up, before starting the installation, click on accept to allow this program to run with some privileges to install:

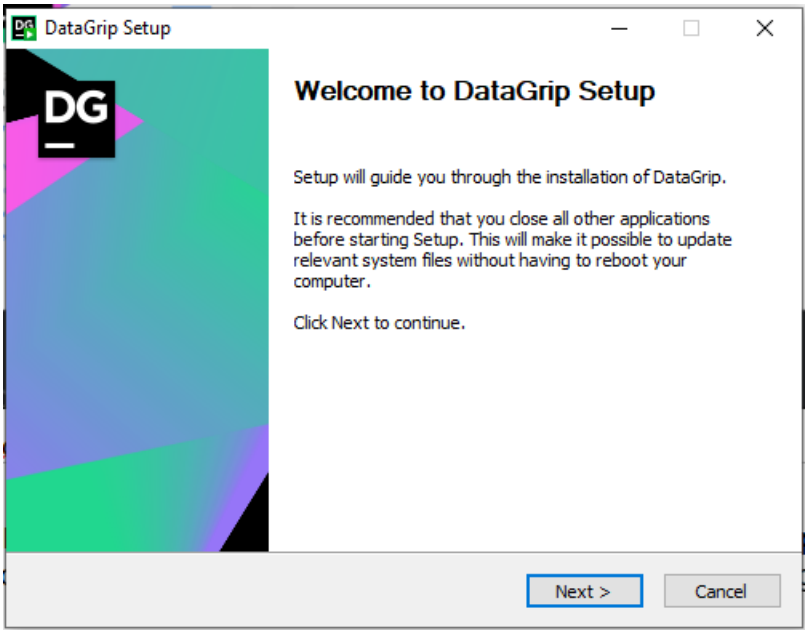

Figure 3: Datagrip installation setup

Click on next step, then you will be able to select the install location. By default is placed on “C:\ Program Files\Jet Brains\DatagripX.XV”:

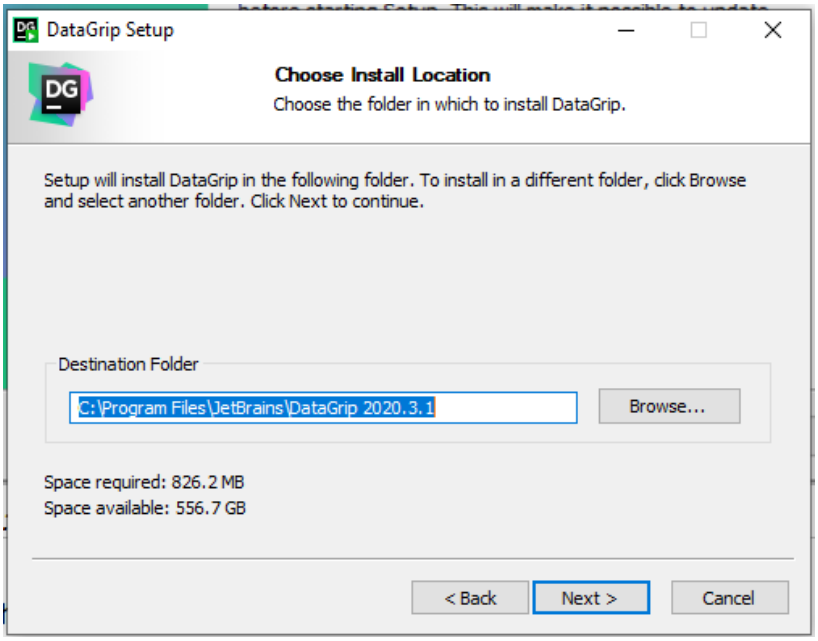

Figure 4: Install location

Once you have select the correct location click on next, and then you will be able to select between the following check boxes options:

- 32 or 64 Bits launcher
- Create .sql assosiation
- Add program to path variables
- Install 32 as well as 64 bit launcher
- Open folder as a project

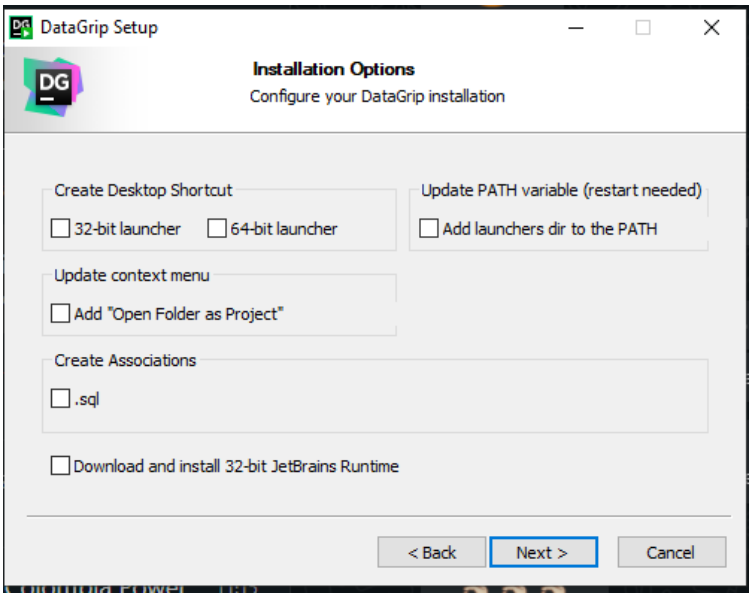

Figure 5: Installation options

Select the name of the program on the internal program table managed by windows:

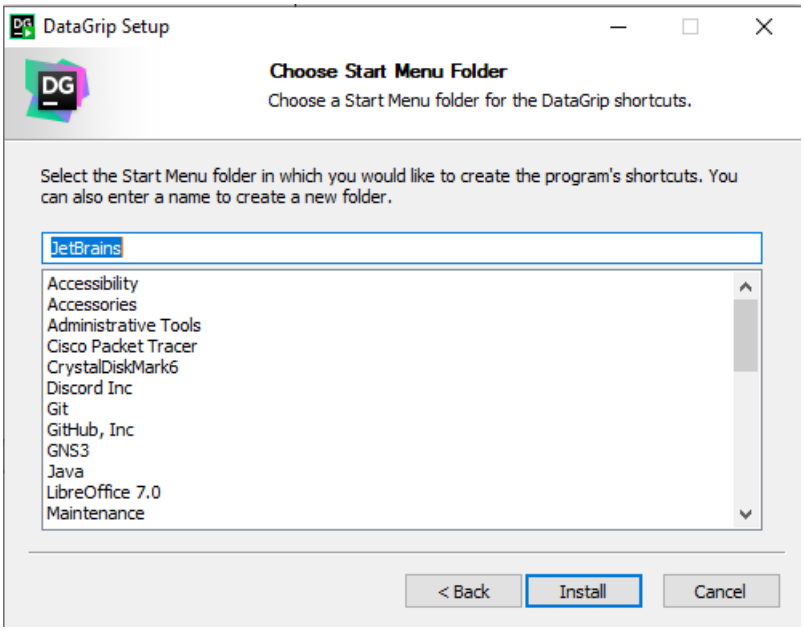

Figure 6: Assign name

Then click on next again and wait for the program to get installed:

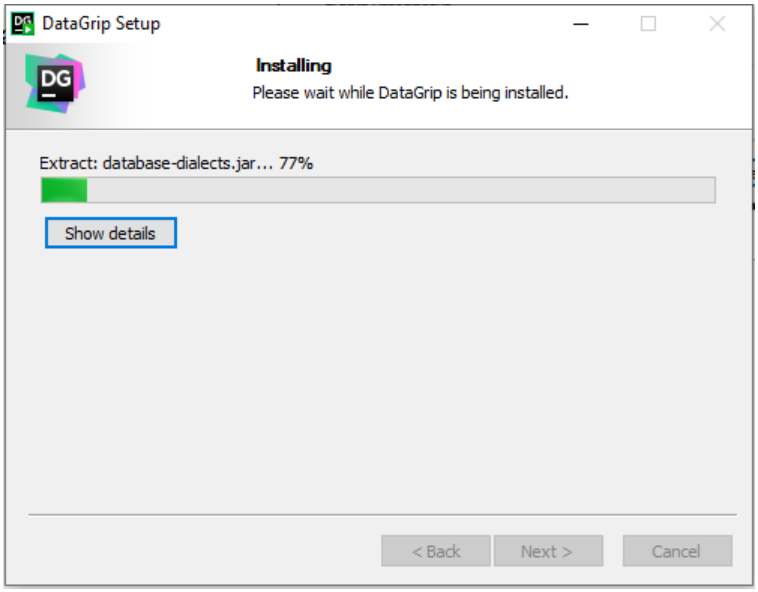

Figure 7: Installing

Final installation

After the installation is completed it will ask you to reboot or do it later manually:

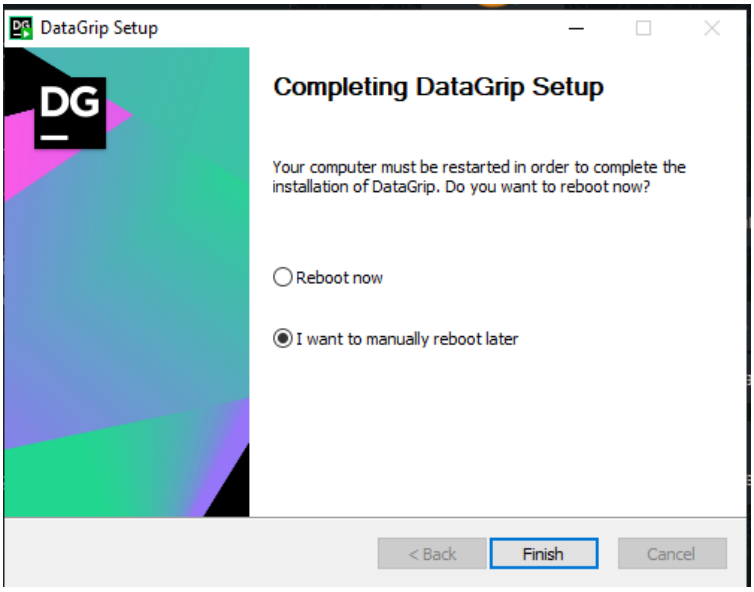

Figure 8: Finishing installation

By the first time that we open Datagrip it will prompt a user agreement we have to accept, it would be nice to read it completely:

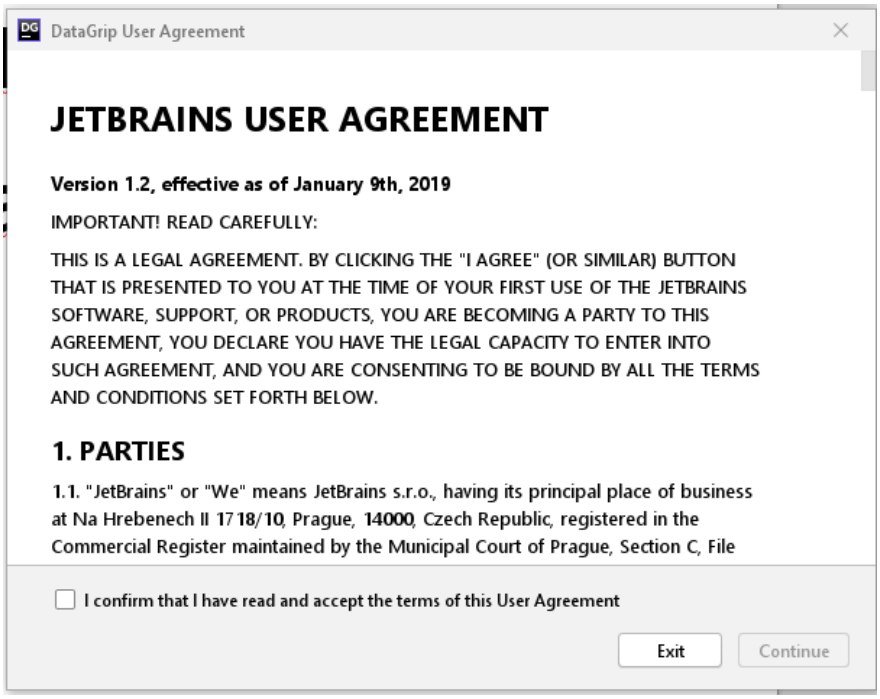

Figure 9: User agreement

Then it will prompt something about sharing our dataof use:

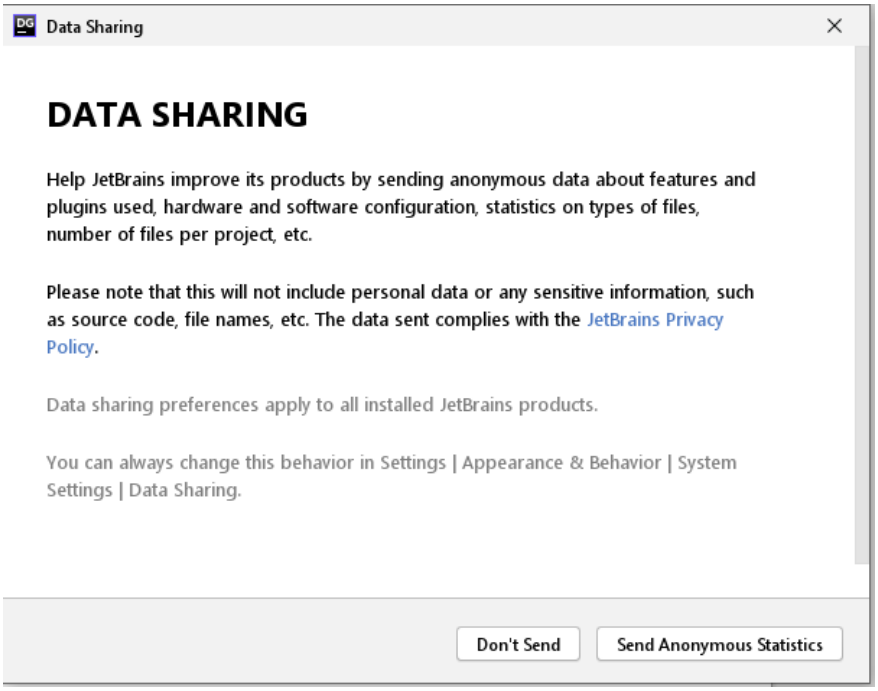

Figure 10: Share data to improve the program

Finally we will enter our key to activate the programa or try it for free during 30 days:

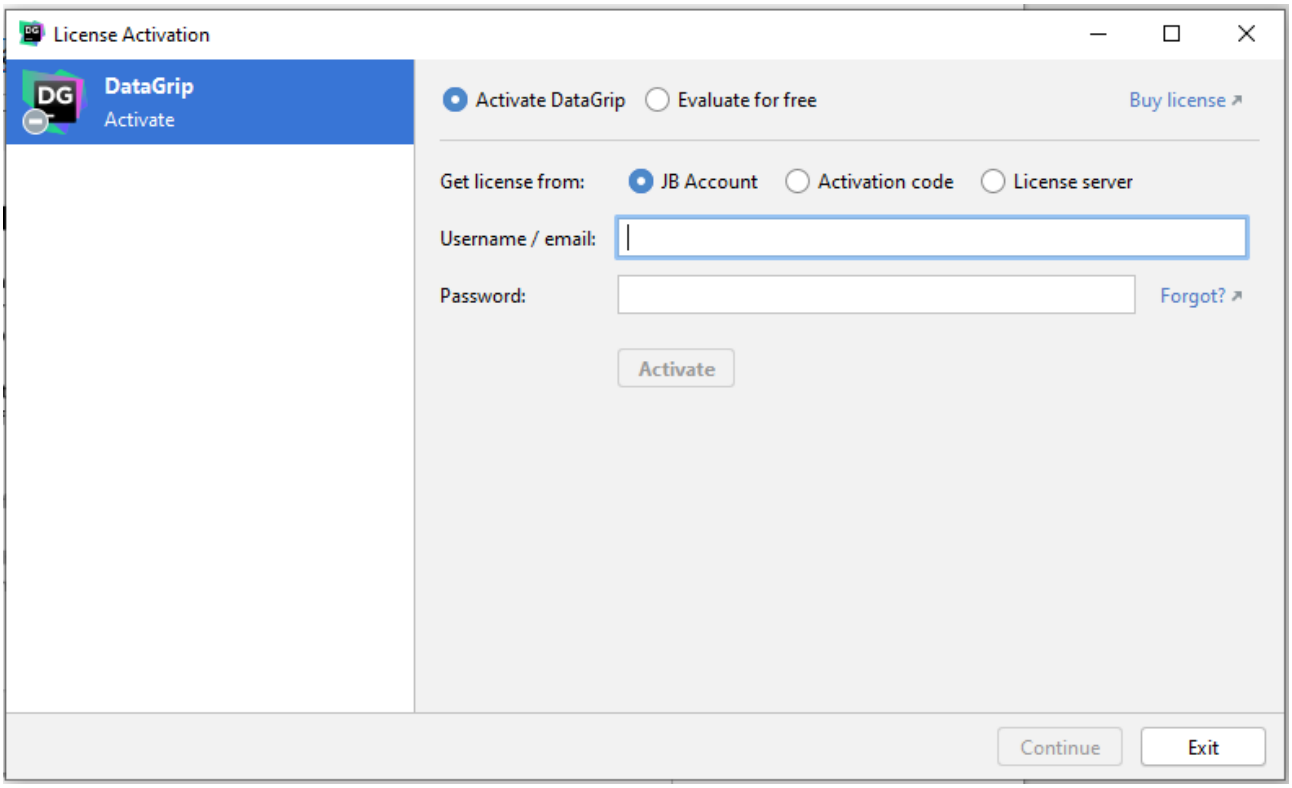

Figure 11: Activation or evaluation

Once we setted up the program it will run and execute a customisation wizard, that you can follow or not:

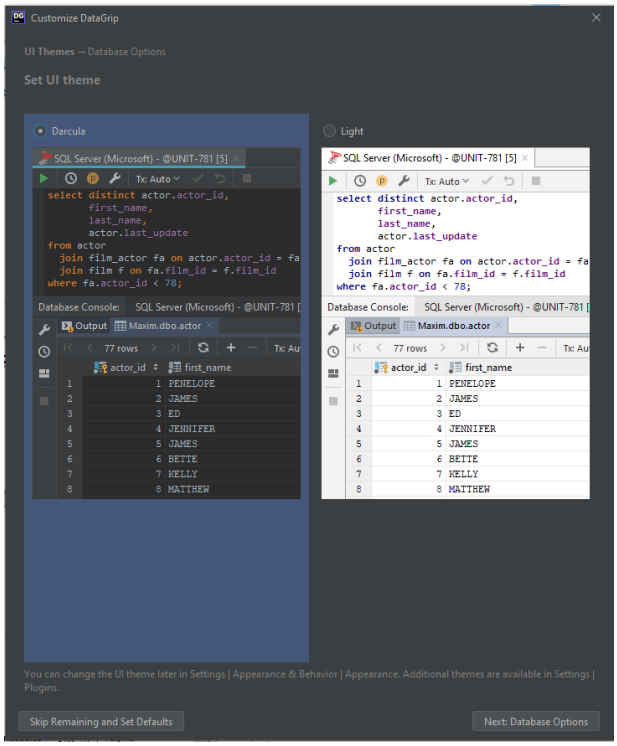

Figure 12: UI Customisation

By following the UI customisation wizard we will select our kind of SQL or database query system, and after this step you are ready to go:

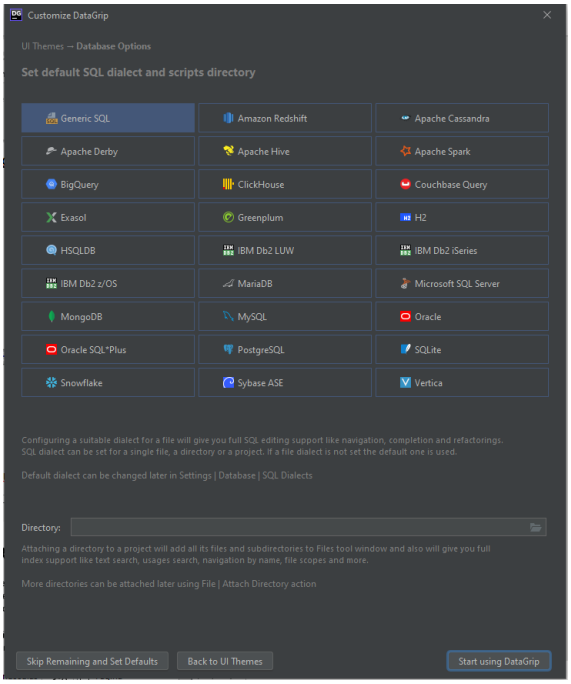

Figure 13: Select Database system

Linux

First of all, Linux is not easier or more difficult than Windows it just works different. The installation in this kind of OS will be next. I will be using Ubuntu 20.04:

I use to commend snap to newbies to install, with no brain cracks and difficulties, any kind of program. First, check snap is installed on your machine by executing:

```
snap --version
```

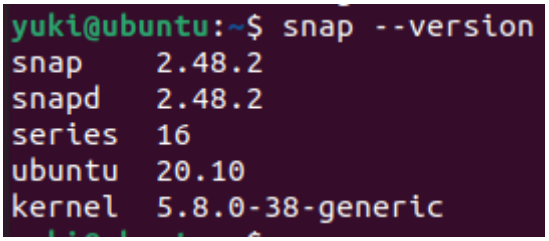

Figura 14: Check Snap is installed

It will output something similar to the image placed above. Showing the version of snap and snapd, as well as Ubuntu, and linux kernel.

Now installing Datagrip is as easy as setting this on the console and wait (we can also update the software using refresh):

```
sudo snap install datagrip –classic
sudo snap refresh datagrip
```

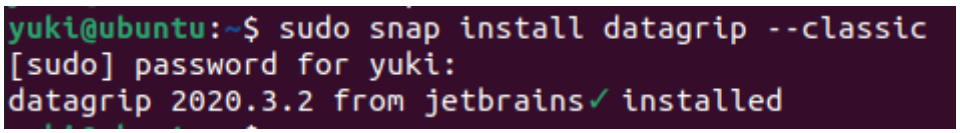

Figure 15: Install Datagrip on Linux

Then just start the program by typing “datagrip” on console and you are good to go.

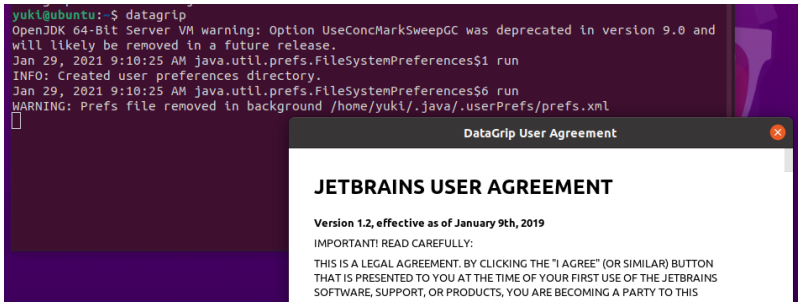

Figure 16: First Start Datagrip on Linux

Now follow the installation wizard as you would be doing on Windows (Click on Windows to follow the steps):

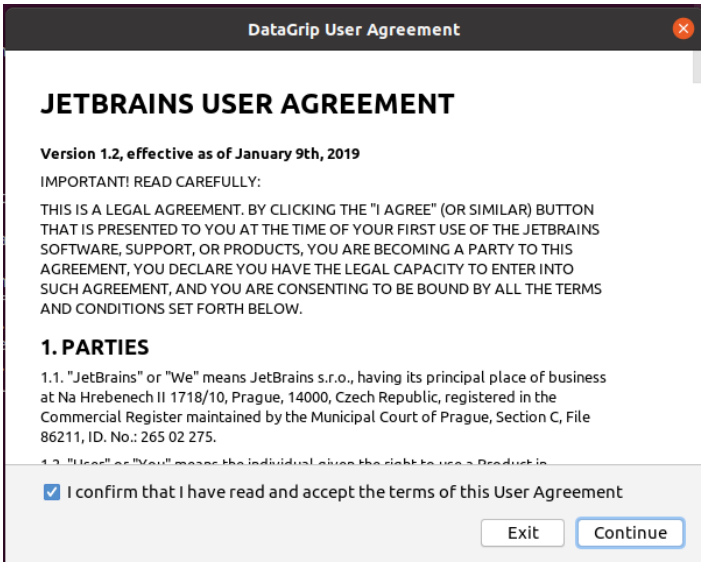

Figure 17: Following installation proccess

How to connect database services?

This software works like a MySQL Workbench but with steroids, it's word prediction is by far a lot better than workbench and it has the capability to edit different scripting query languages, and connect to different database services like Amazon Aurora, IBM Db2 or Azure SQL. It has exactly the same distribution of the UI on Windows and Linux

To create a connection you can use the shortcut "Ctrl+Alt+Shift+S" and then click on "+", or clicking on File > Data Sources > click on "+". Select the kind of database and then you are ready to complete this fields with the database data connection:

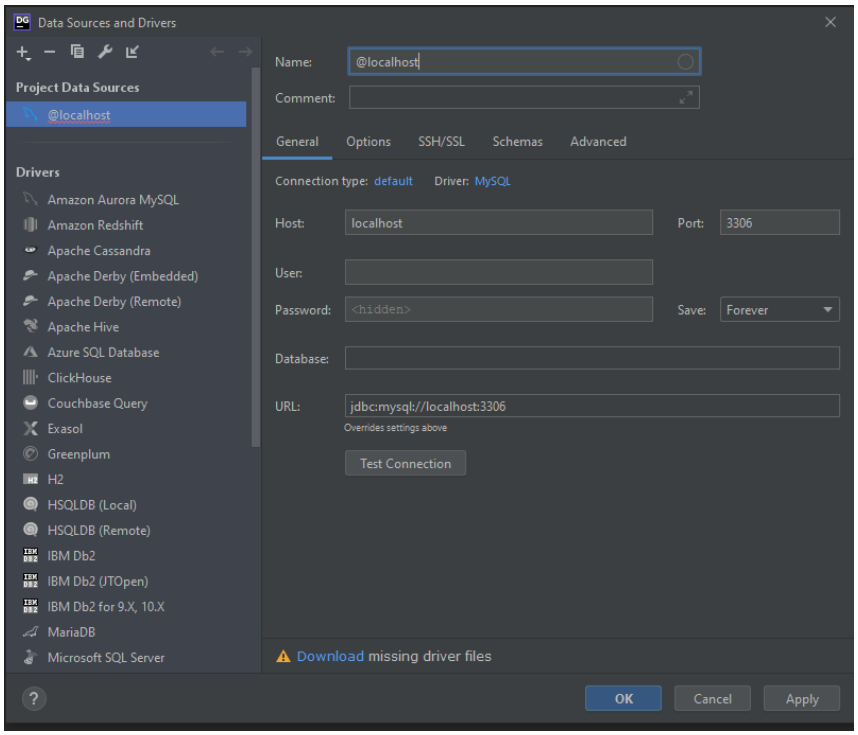

Figura 18: Add connection

Note: If you need to connect to MySQL you might be installing some drivers files.

Then just click OK or double click on the source from this tab whenever to have to connect the database. It will prompt something similar to this:

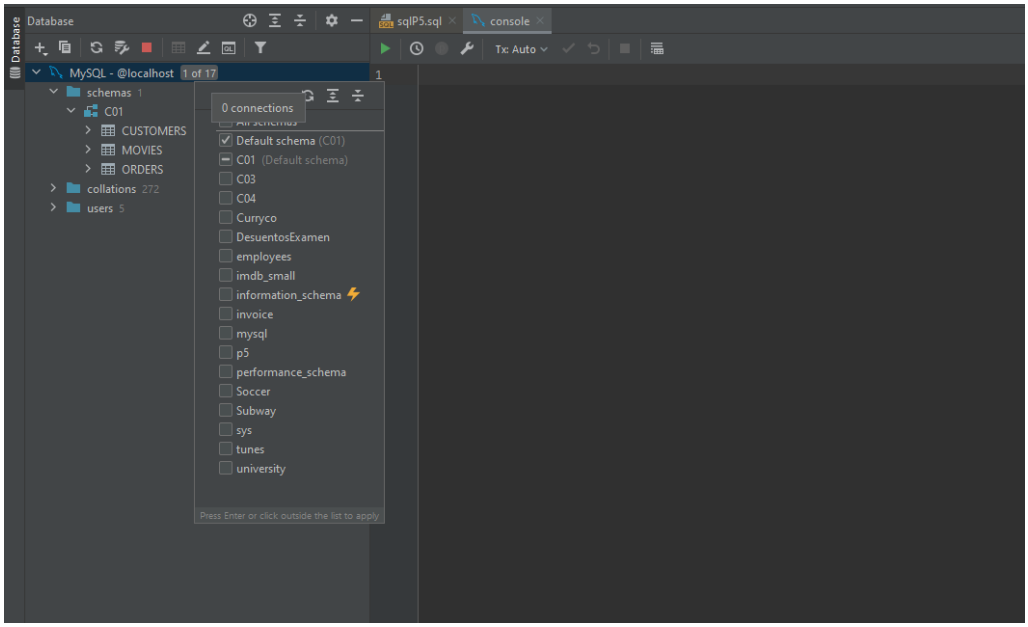

Figure 19: Connected Scheme

As you can see there is an editing text surface at the right, the list of schemes in the middle by pressing the “N of M”, and some internal files of the database on the left, every console or script is a new tab on the top. The complete explanation on how to use this tool will be next.

How to use the UI?

By now we know how to connect to Databases, and how to select the schemes to display, using that “N of M” button placed on the top left corner of the screen.

On the top as it is usual on pretty much all the programs that we are used to, there are some expandable buttons based on the philosophy WYIWYG (What you see is what you get). Where we can open, create, files and projects. Add new sources, edit the program looking, debugging tools, git connection to fork our projects and finally some minor stuff like program versions and jetbrains feedback form:

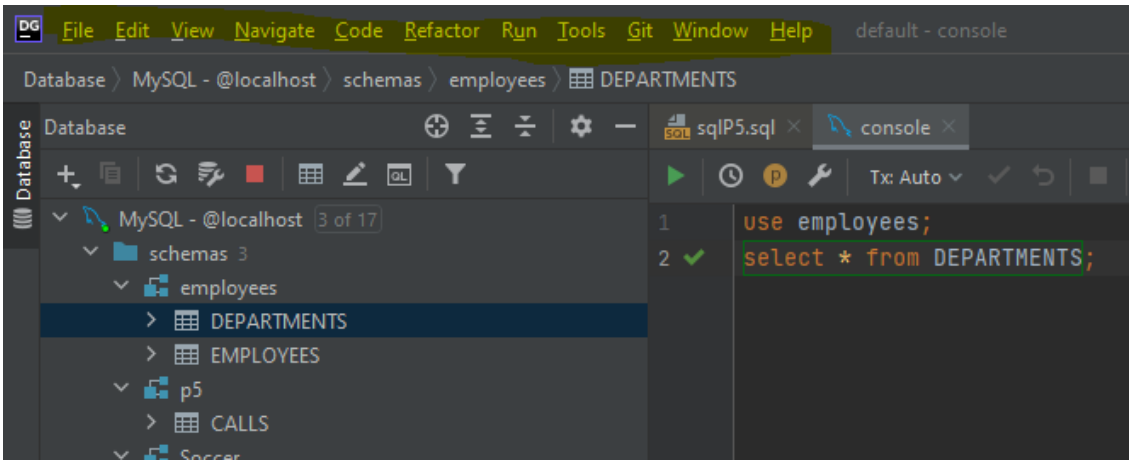

Figure 20: WYSIWYG structure

And know the explanation of the main UI, on the left we got schemes, tables, users and so. On the right, the program templates and some database info. On the middle of the screen we see the editor, for queries, sql files. And above we get the output of our inputted queries.

As you can see we also have the debugging and problems tab above where it is placed the output.

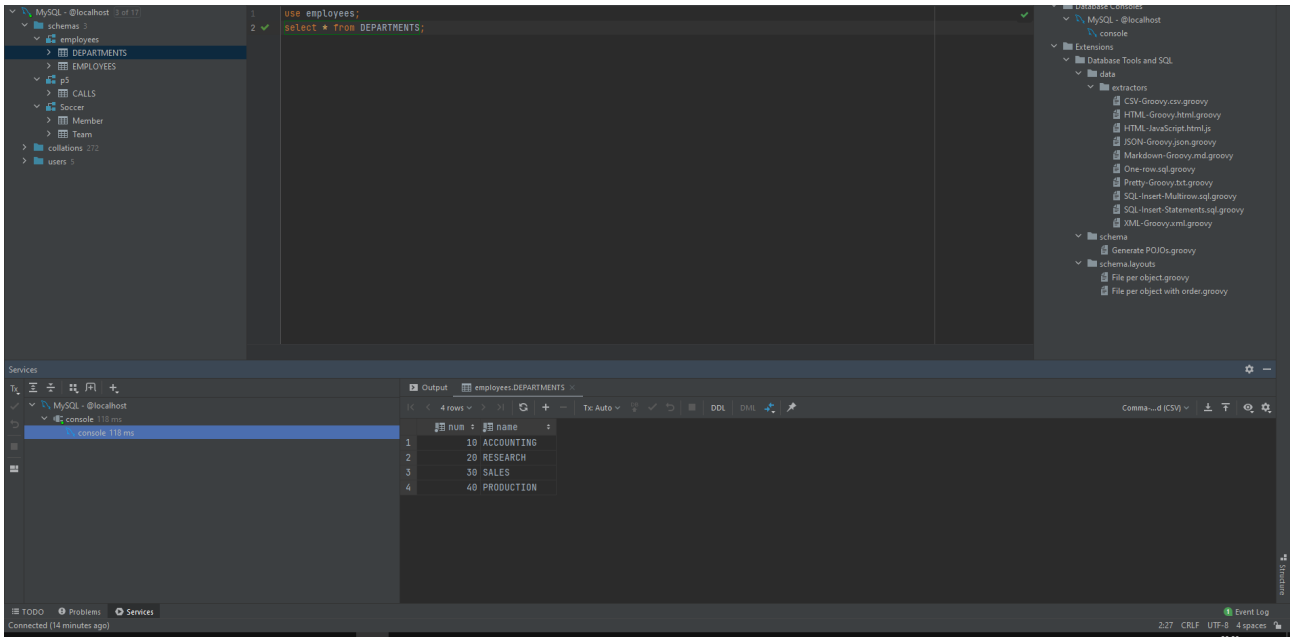

Figure 21: Main UI

Some cool stuff about this program is that we can select the format of the output, on the right center button, that by default says CSV. We can select the output as an SQL insert for example, TSV, or even configure the CSV output style.

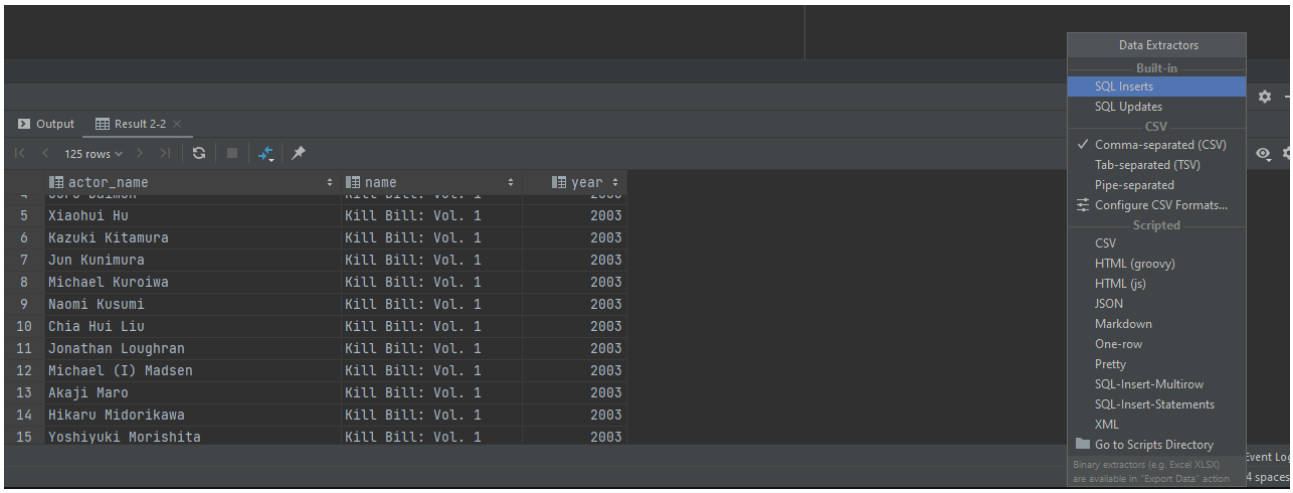

Figure 22: Change output format