**EPAM Systems, RD Dep., RD Dep.**

# INSTALLATION INSTRUCTIONS

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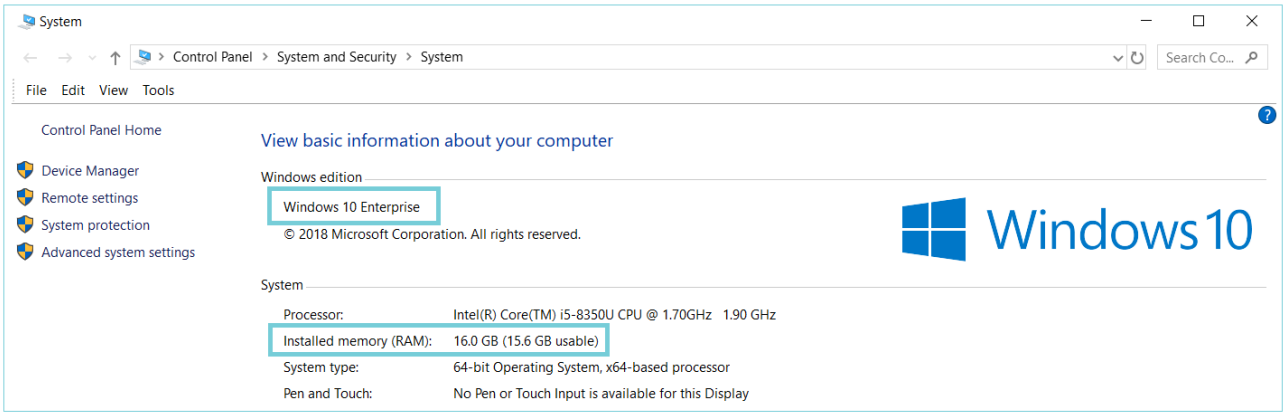
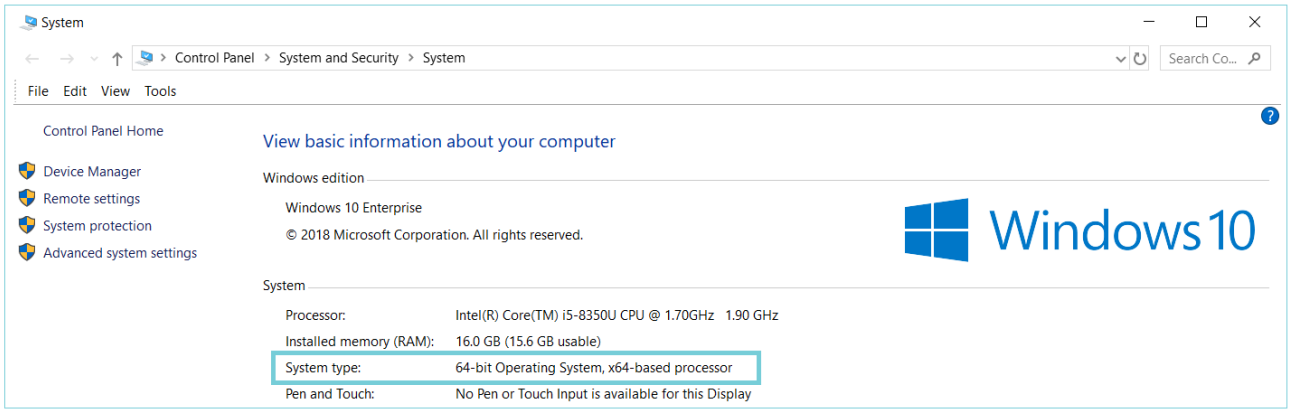
# 1 REQUIREMENTS

**OS:** Windows 7 and higher

**RAM:** min 4GB




The installation of a particular version of the program depends on the settings of your system (**System Type**)



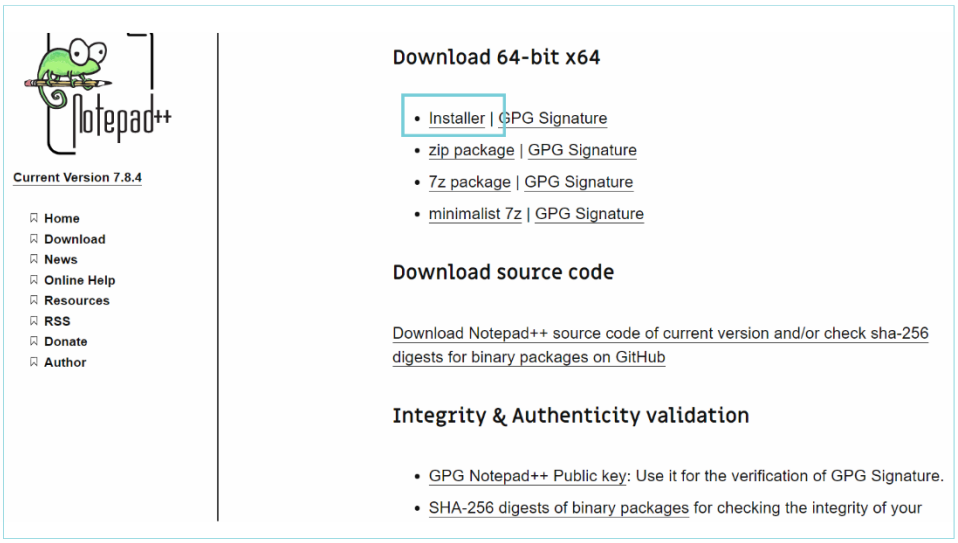
# 2 INSTALLATION PROCESS

Depending on your system, select the required version and install the following programs *:

## 2.1 7-ZIP **(OPTIONAL)**

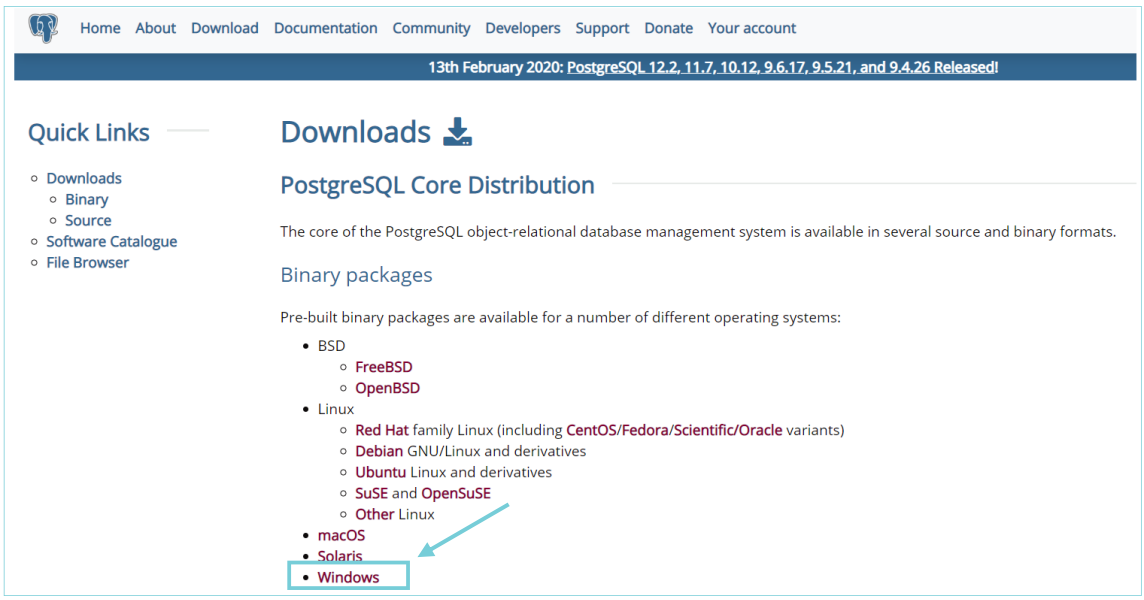
## 2.2 NOTEPAD++ **(OPTIONAL)**

*example for 64-bit OS*




## 2.3 POSTGRESQL

*example for windows, 64-bit OS*

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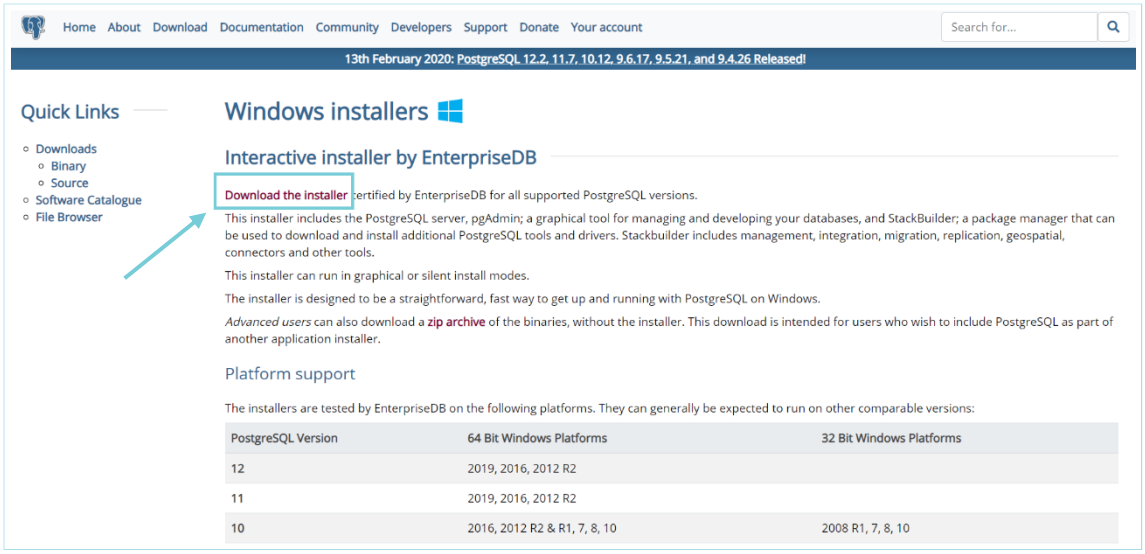
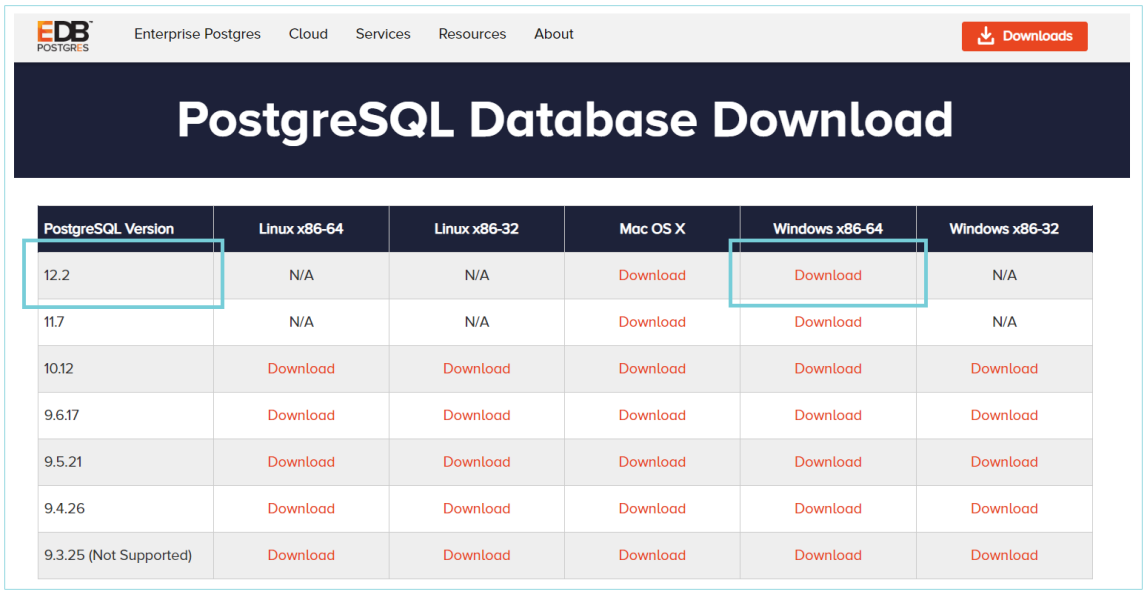
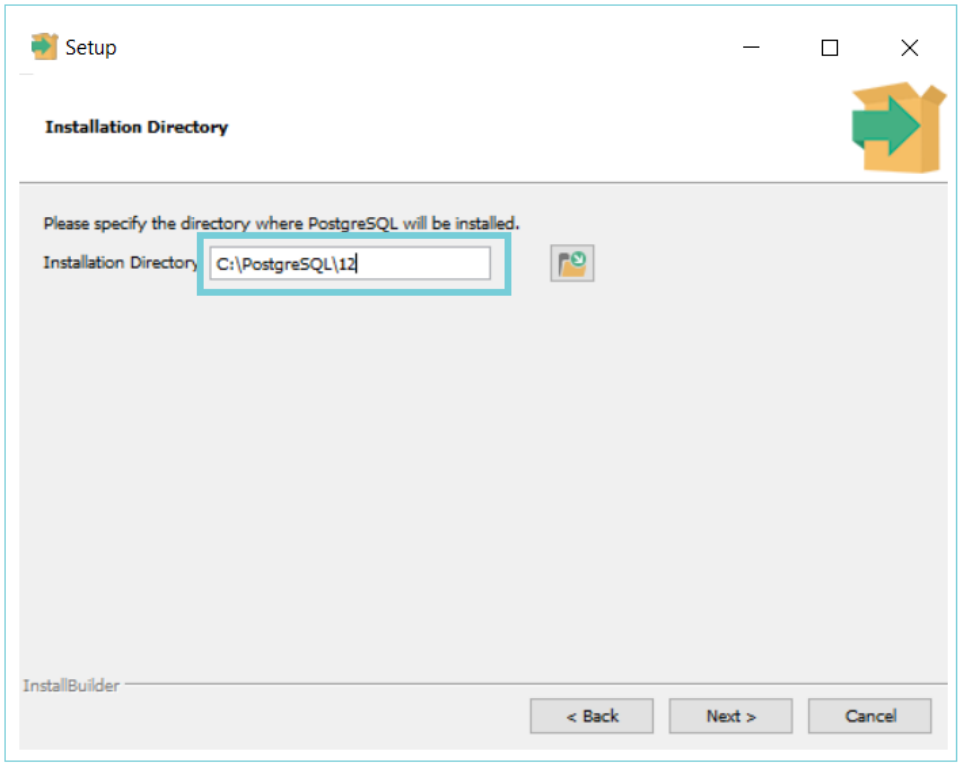
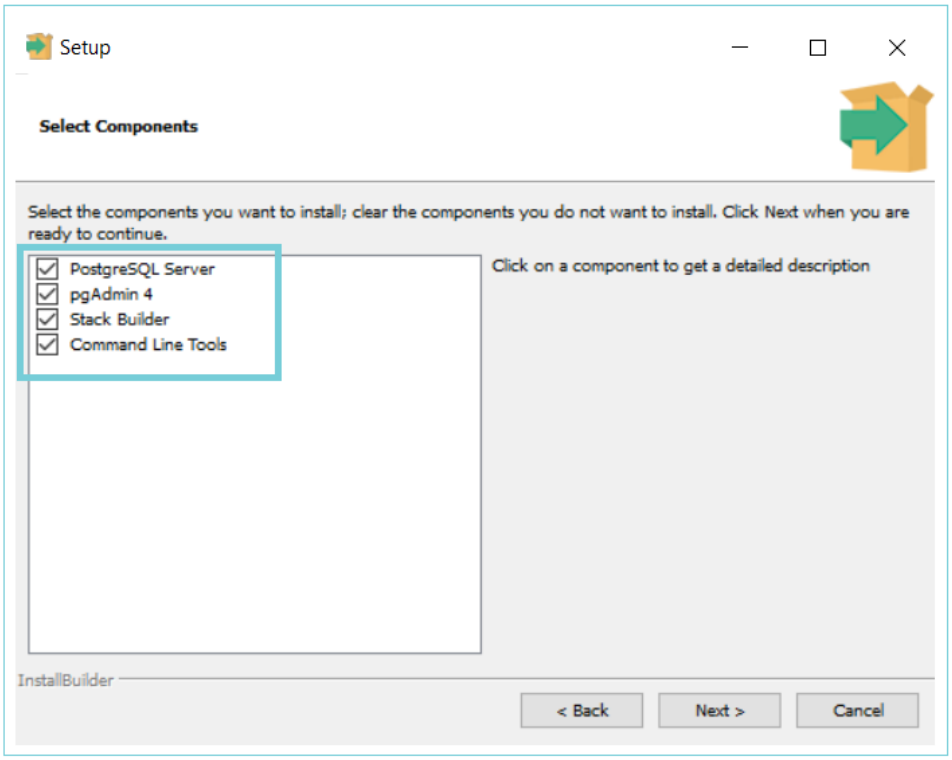



Select version **PostgreSQL 12.2**

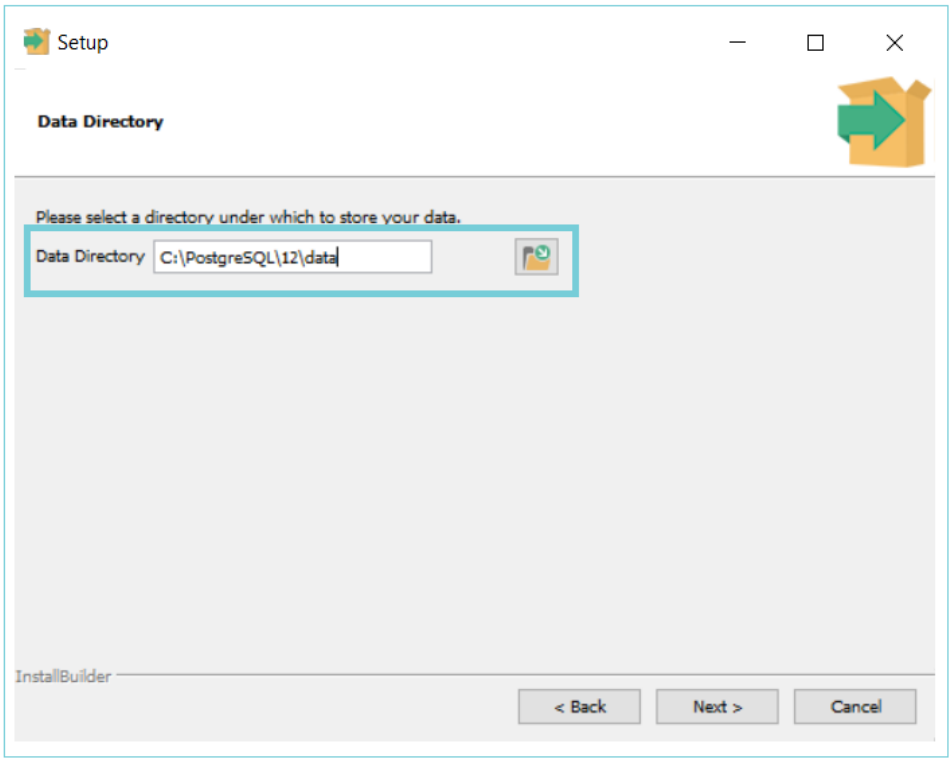



**NOTE:** If your OS windows 32-bit or Linux, please select PostgreSQL 10.12.
Pay attention that some functionality may not be available.

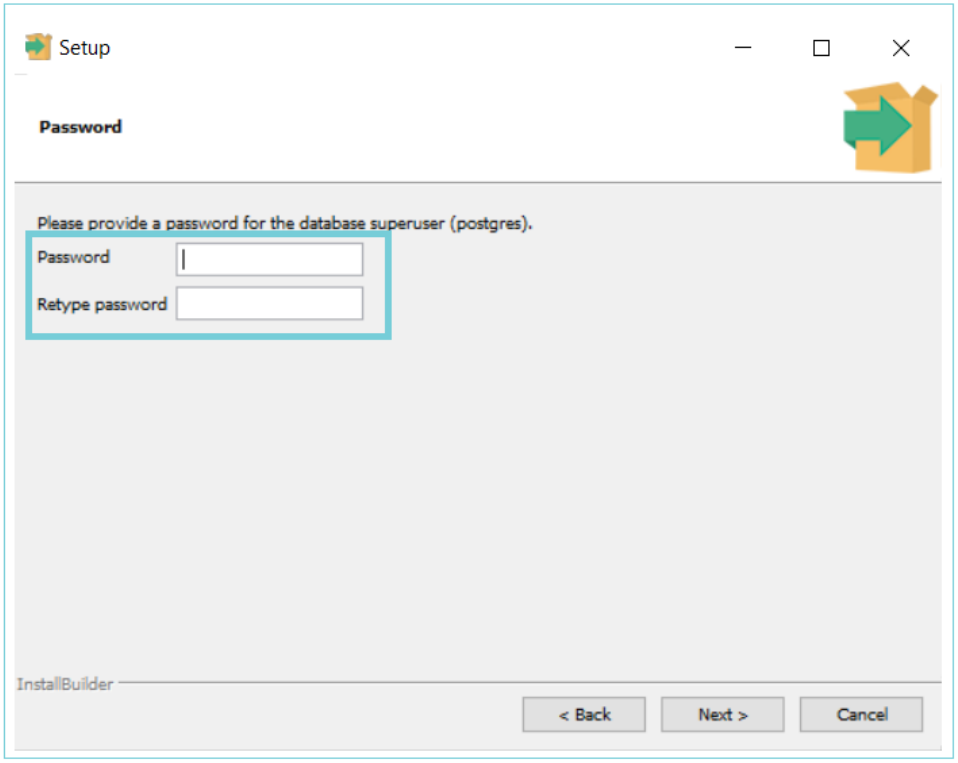

Setup
Installation Directory
Please specify the directory where PostgreSQL will be installed.
Installation Directory
C:\PostgreSQL\12
InstallBuilder
< Back
Next >
Cancel


Setup
Select Components
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
PostgreSQL Server
pgAdmin 4
Stack Builder
Command Line Tools
Click on a component to get a detailed description
InstallBuilder
< Back
Next >
Cancel

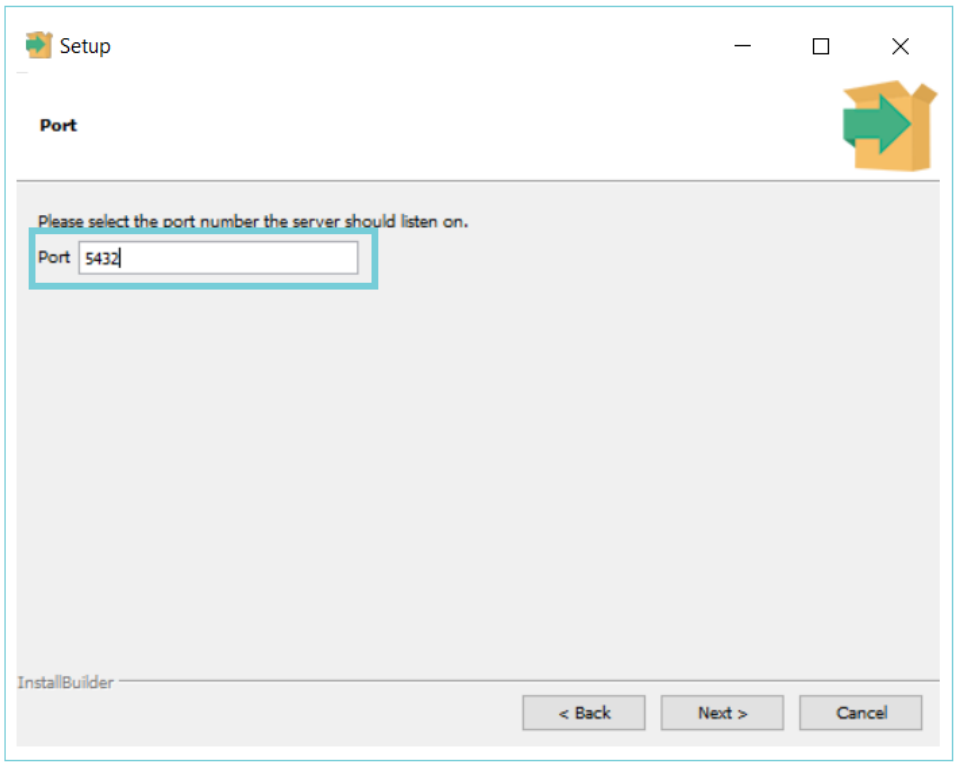
Select directory when you have **enough space**



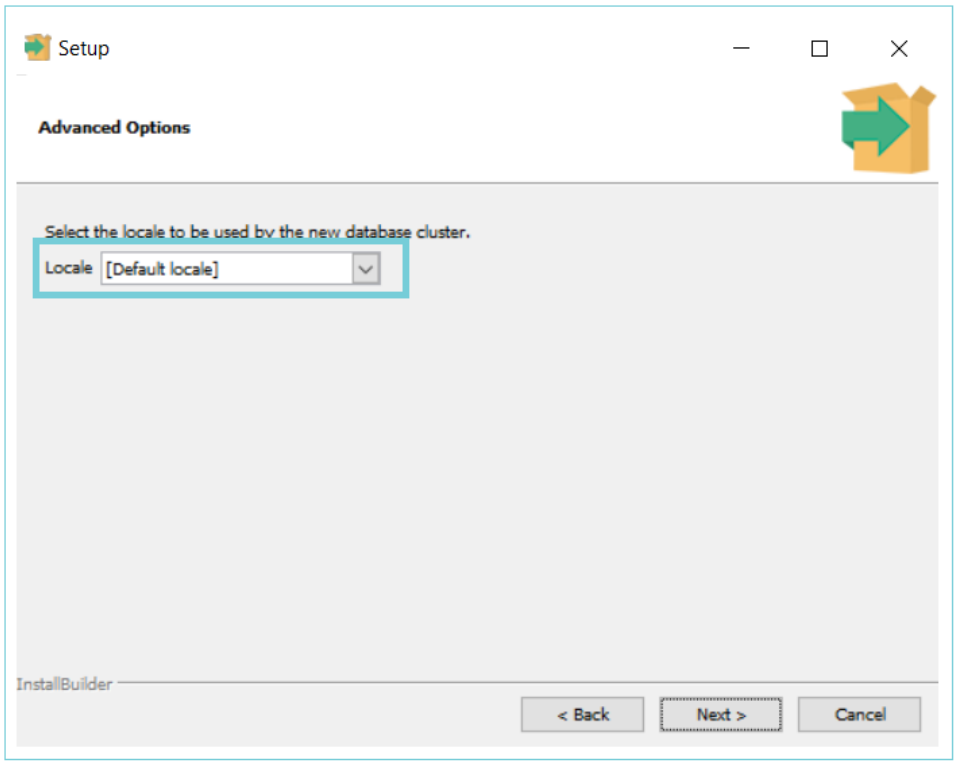

Create a password for the superuser



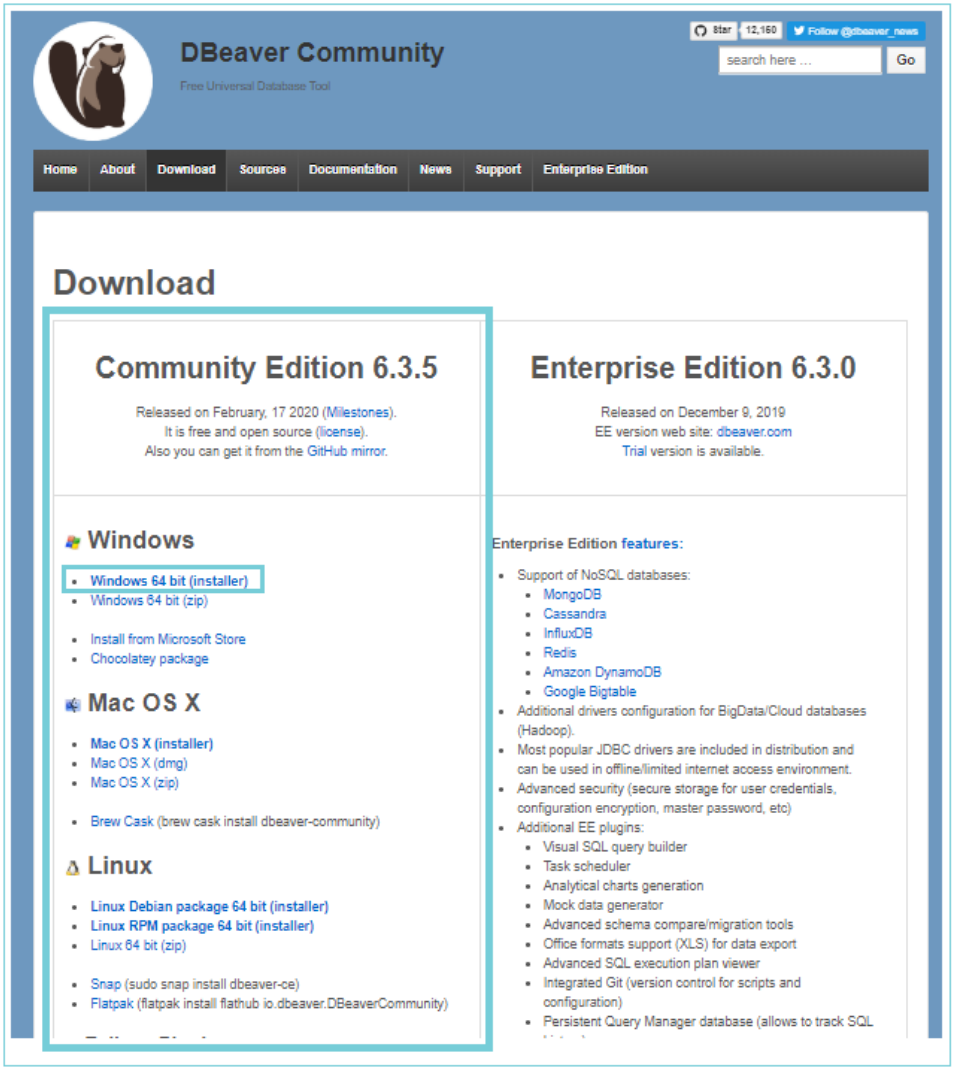
Leave the port by default - **5432**

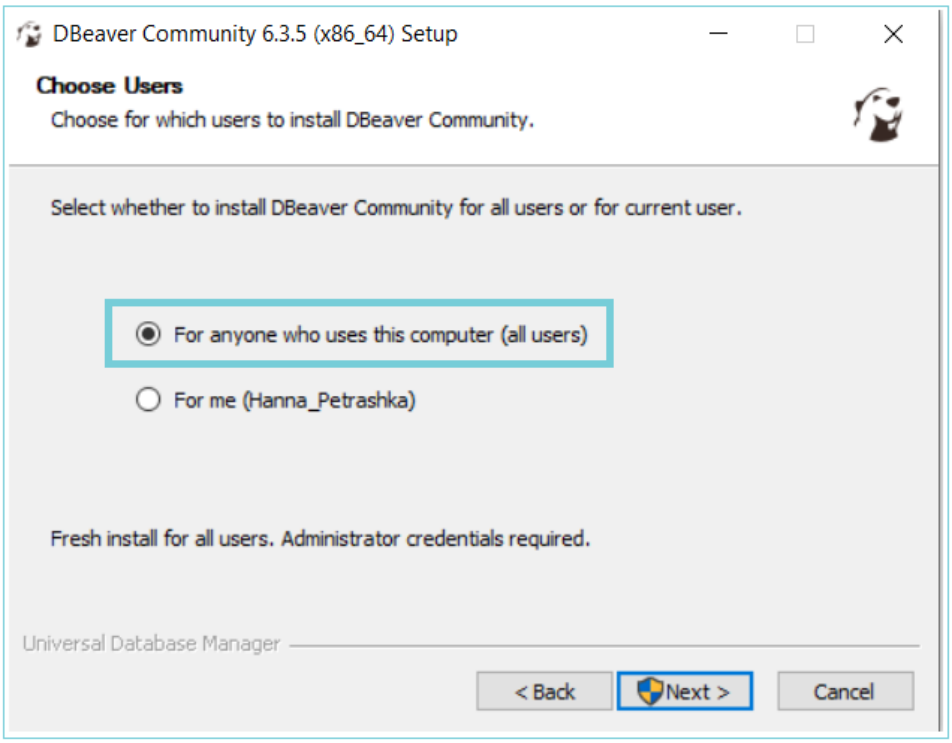


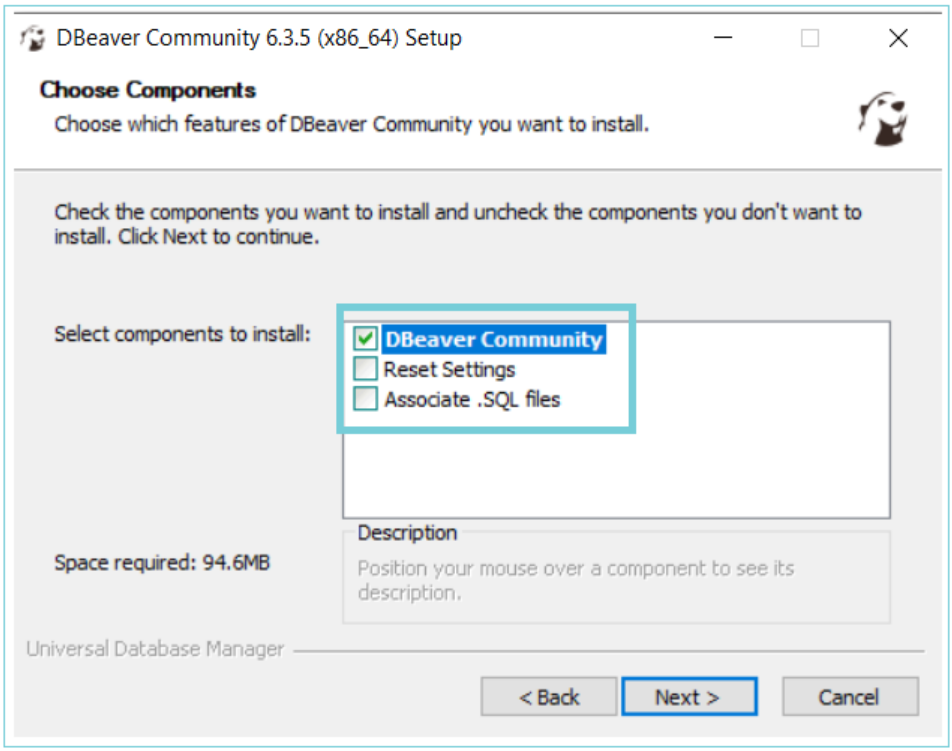

Leave the local by default

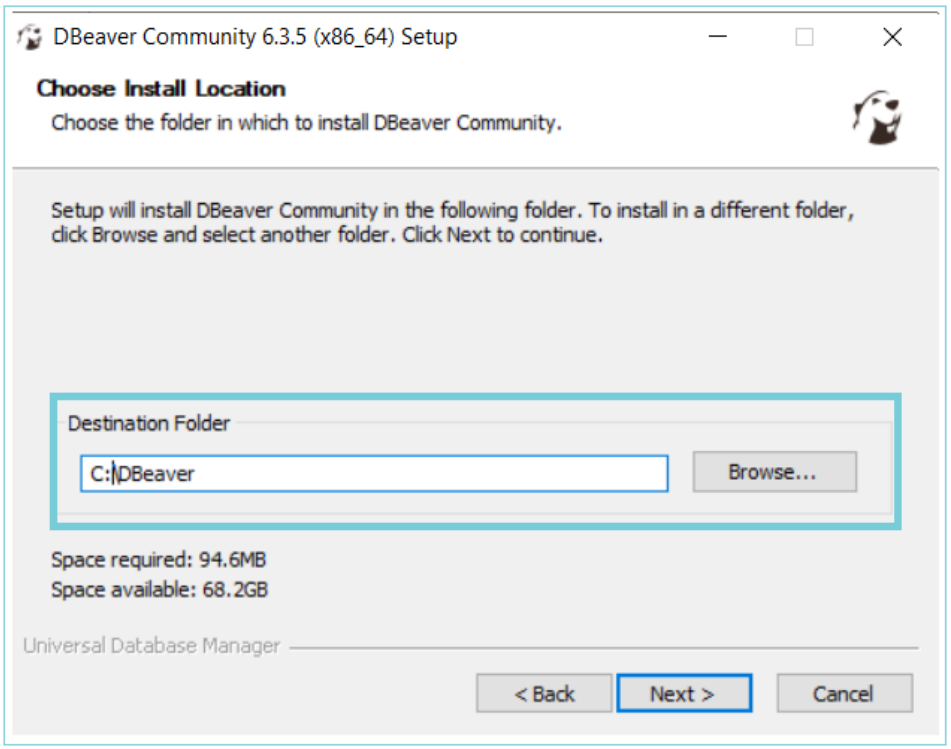


## 2.4 DBEAVER

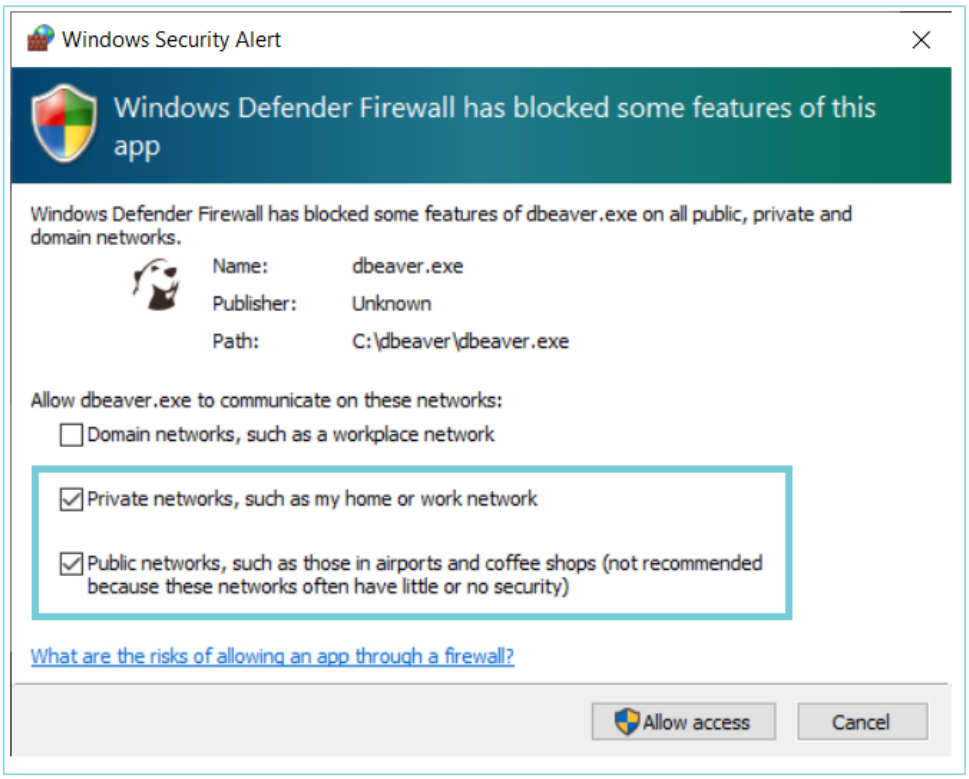

DBeaver Community
Free Universal Database Tool
search here ...
Go
Home
About
Download
Sources
Documentation
News
Support
Enterprise Edition
Download
Community Edition 6.3.5
Released on February, 17 2020 (Milestones).
It is free and open source (license).
Also you can get it from the GitHub mirror.
Windows
Windows 64 bit (installer)
Windows 64 bit (zip)
Install from Microsoft Store
Chocolatey package
Mac OS X
Mac OS X (installer)
Mac OS X (dmg)
Mac OS X (zip)
Brew Cask (brew cask install dbeaver-community)
Linux
Linux Debian package 64 bit (installer)
Linux RPM package 64 bit (installer)
Linux 64 bit (zip)
Snap (sudo snap install dbeaver-ce)
Flatpak (flatpak install flathub io.dbeaver.DBeaverCommunity)
Enterprise Edition 6.3.0
Released on December 9, 2019
EE version web site: dbeaver.com
Trial version is available.
Enterprise Edition features:
Support of NoSQL databases:
MongoDB
Cassandra
InfluxDB
Redis
Amazon DynamoDB
Google Bigtable
Additional drivers configuration for BigData/Cloud databases (Hadoop).
Most popular JDBC drivers are included in distribution and can be used in offline/limited internet access environment.
Advanced security (secure storage for user credentials, configuration encryption, master password, etc)
Additional EE plugins:
Visual SQL query builder
Task scheduler
Analytical charts generation
Mock data generator
Advanced schema compare/migration tools
Office formats support (XLS) for data export
Advanced SQL execution plan viewer
Integrated Git (version control for scripts and configuration)
Persistent Query Manager database (allows to track SQL


DBeaver Community 6.3.5 (x86_64) Setup
Choose Users
Choose for which users to install DBeaver Community.
Select whether to install DBeaver Community for all users or for current user.
For anyone who uses this computer (all users)
For me (Hanna_Petrashka)
Fresh install for all users. Administrator credentials required.
Universal Database Manager
< Back
Next >
Cancel


DBeaver Community 6.3.5 (x86_64) Setup
Choose Components
Choose which features of DBeaver Community you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select components to install:
DBeaver Community
Reset Settings
Associate .SQL files
Description
Position your mouse over a component to see its description.
Space required: 94.6MB
Universal Database Manager
< Back
Next >
Cancel



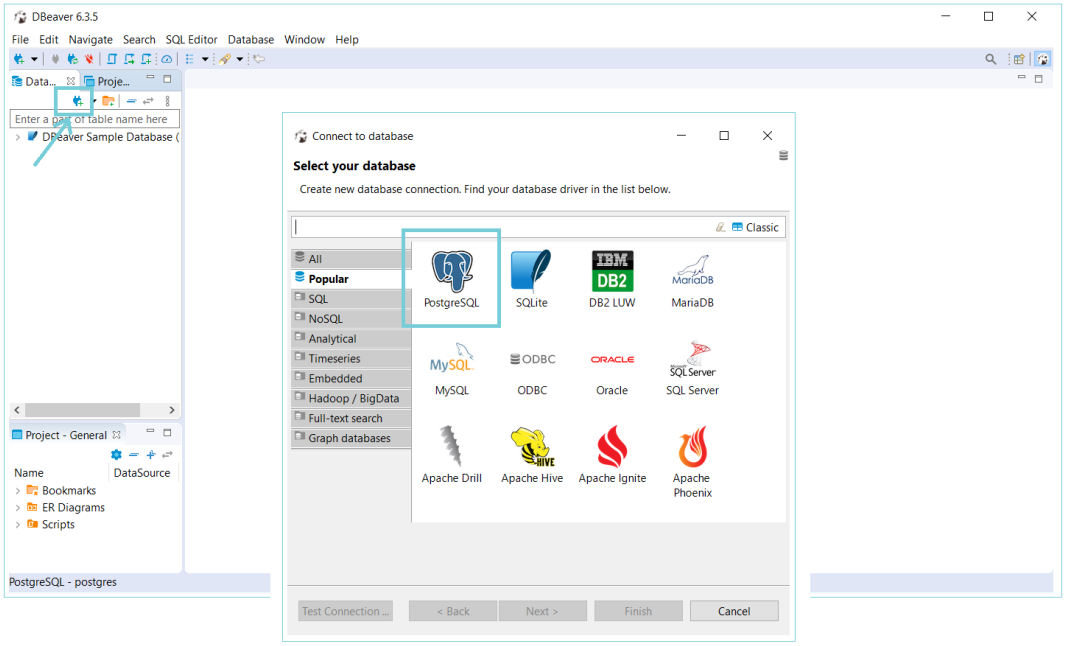

Run the DBeaver and allow access



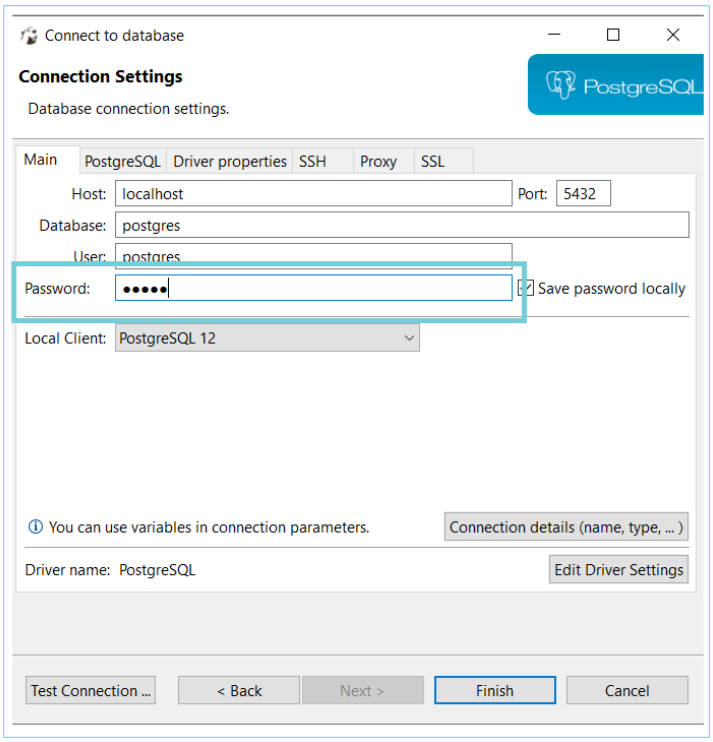

* in the archive **'Install_x64'** we have already prepared all the installations for the **Windows 64-bit OS**

# 3 DB SETUP

Create New DB Connection -> select PostgreSQL -> Next




Enter the password that you specified during the installation PostgreSQL

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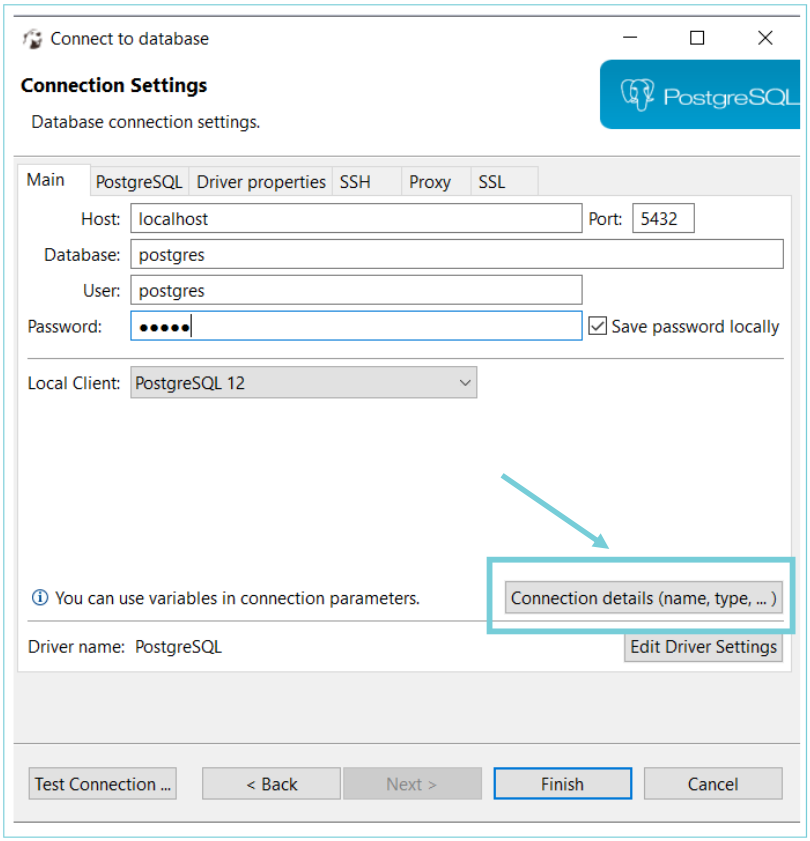
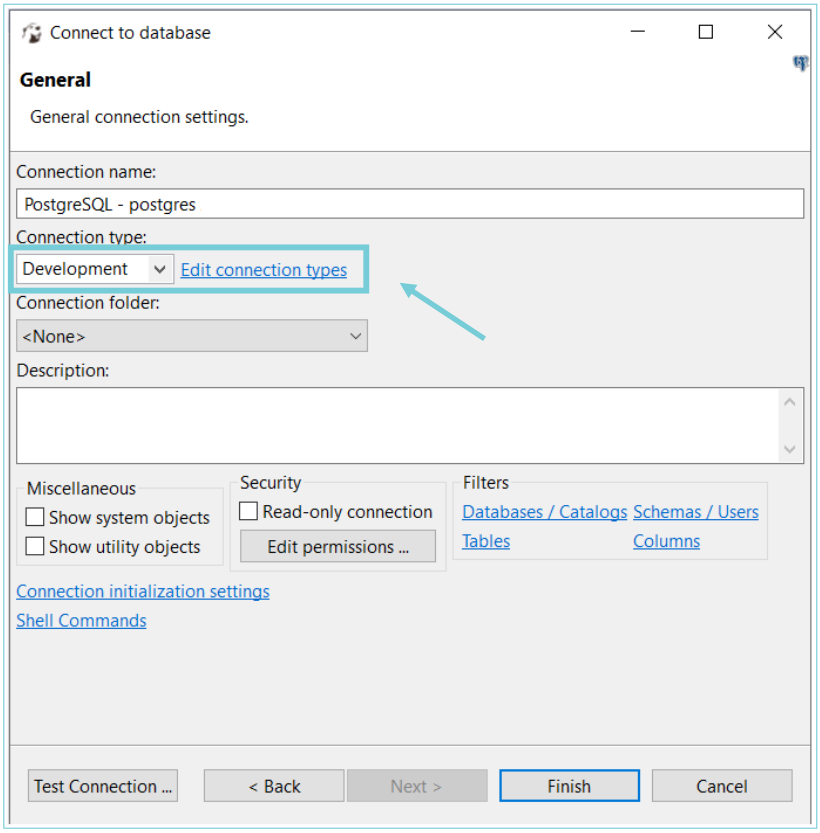
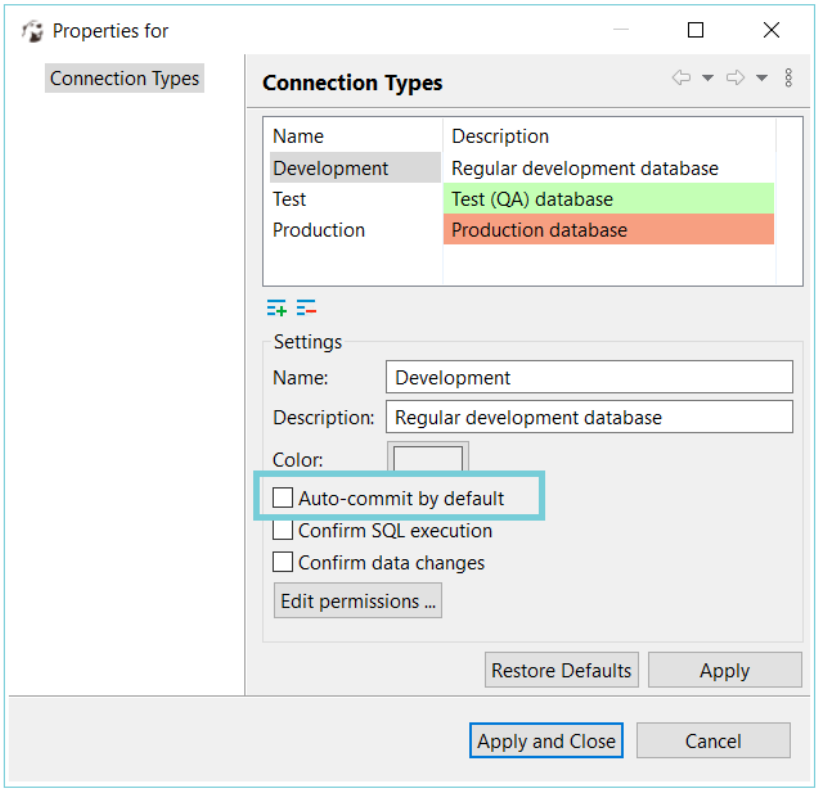
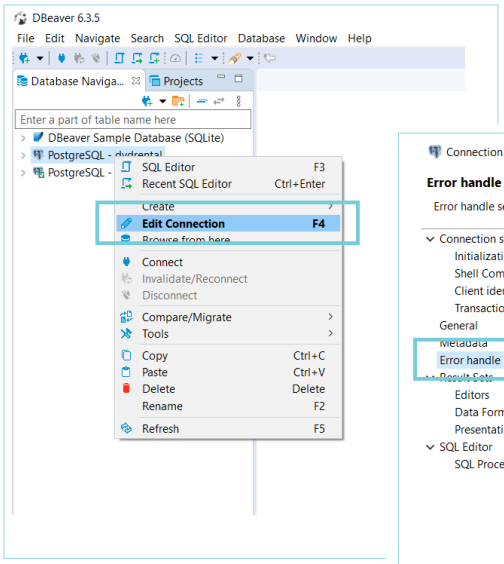
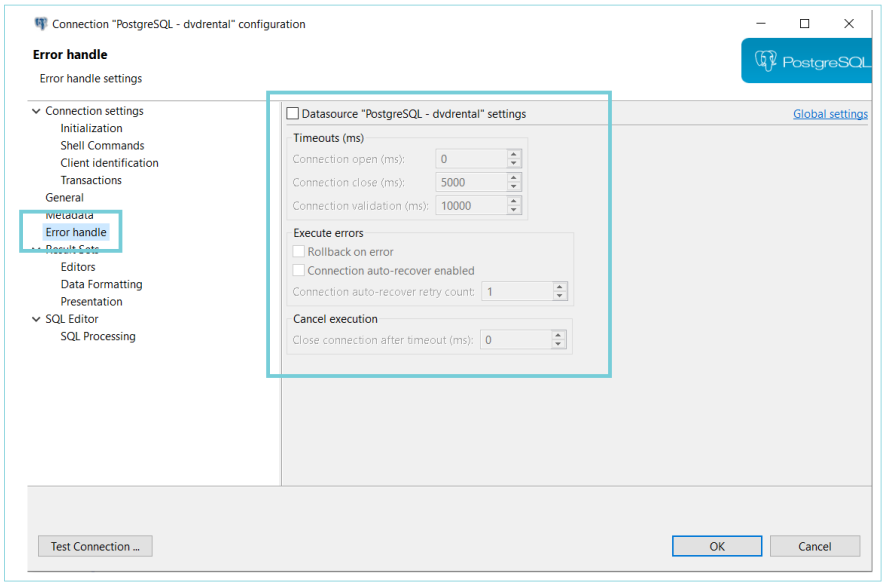

Connect to database
Connection Settings
Database connection settings.
PostgreSQL
Main
PostgreSQL
Driver properties
SSH
Proxy
SSL
Host: localhost
Port: 5432
Database: postgres
User: postgres
Password:
Save password locally
Local Client: PostgreSQL 12
You can use variables in connection parameters.
Connection details (name, type, ... )
Driver name: PostgreSQL
Edit Driver Settings
Test Connection ...
< Back
Next >
Finish
Cancel


Connect to database
General
General connection settings.
Connection name:
PostgreSQL - postgres
Connection type:
Development
Edit connection types
Connection folder:
<None>
Description:
Miscellaneous
Show system objects
Show utility objects
Security
Read-only connection
Edit permissions ...
Filters
Databases / Catalogs
Schemas / Users
Tables
Columns
Connection initialization settings
Shell Commands
Test Connection ...
< Back
Next >
Finish
Cancel

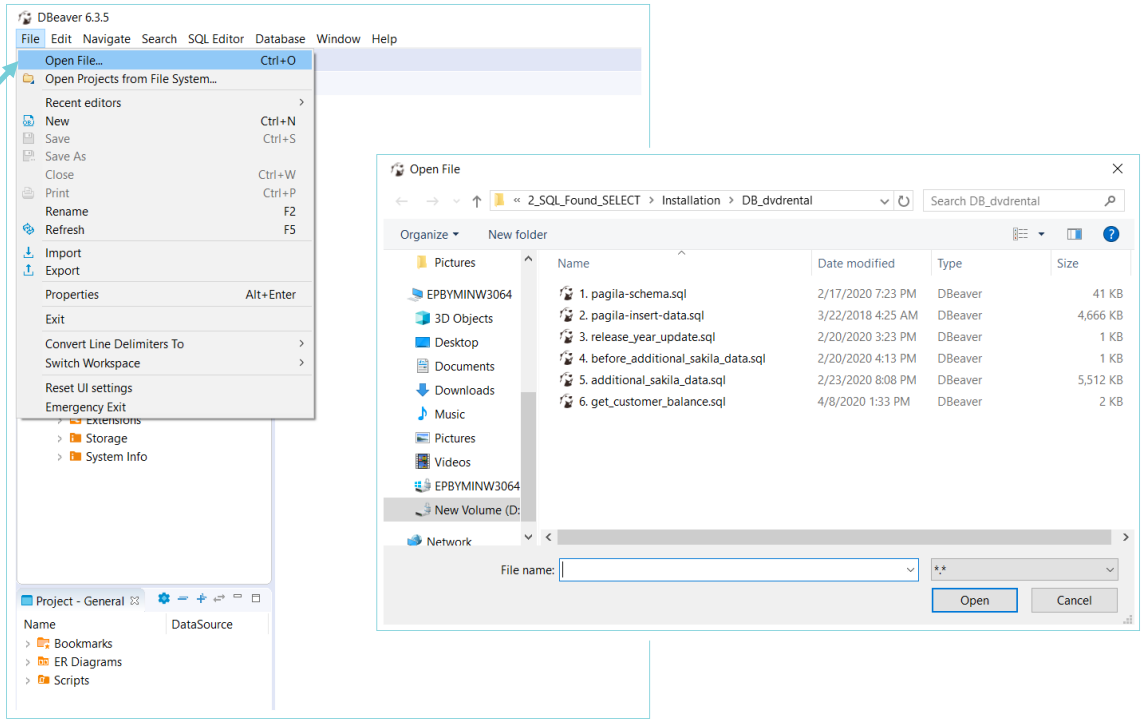

Properties for
Connection Types
Connection Types
Name
Description
Development
Regular development database
Test
Test (QA) database
Production
Production database
Settings
Name:
Development
Description:
Regular development database
Color:
Auto-commit by default
Confirm SQL execution
Confirm data changes
Edit permissions ...
Restore Defaults
Apply
Apply and Close
Cancel


DBeaver 6.3.5
File Edit Navigate Search SQL Editor Database Window Help
Database Naviga...
Projects
Enter a part of table name here
DBeaver Sample Database (SQLite)
PostgreSQL - dvdrental
PostgreSQL -
SQL Editor F3
Recent SQL Editor Ctrl+Enter
Create
Edit Connection F4
Connect
Invalidate/Reconnect
Disconnect
Compare/Migrate
Tools
Copy Ctrl+C
Paste Ctrl+V
Delete Delete
Rename F2
Refresh F5


Connection "PostgreSQL - dvdrental" configuration
Error handle
Error handle settings
PostgreSQL
Connection settings
Initialization
Shell Commands
Client identification
Transactions
General
Metadata
Error handle
Result Sets
Editors
Data Formatting
Presentation
SQL Editor
SQL Processing
Datasource "PostgreSQL - dvdrental" settings
Global settings
Timeouts (ms)
Connection open (ms): 0
Connection close (ms): 5000
Connection validation (ms): 10000
Execute errors
Rollback on error
Connection auto-recover enabled
Connection auto-recover retry count: 1
Cancel execution
Close connection after timeout (ms): 0
Test Connection ...
OK
Cancel

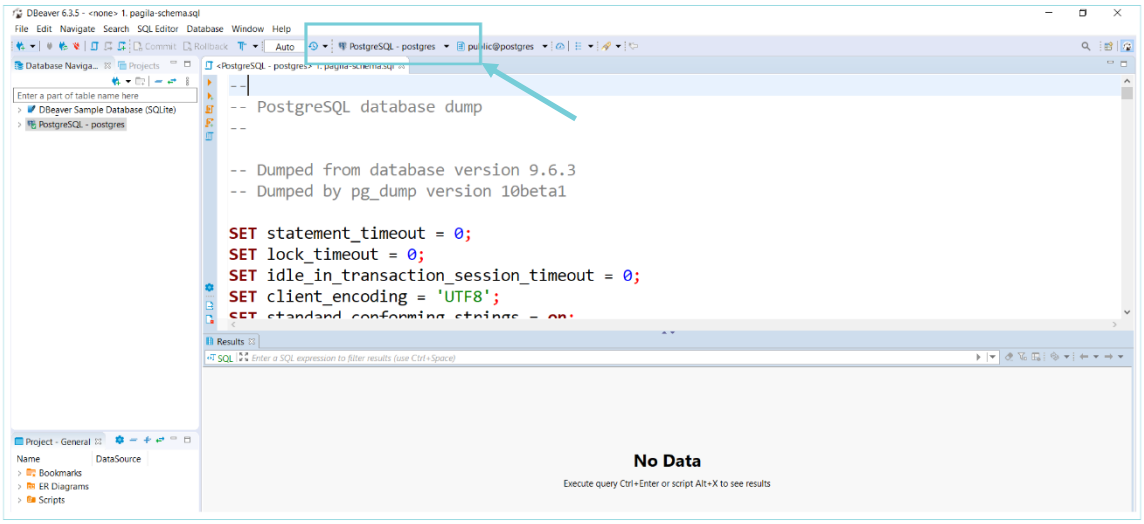
Download and unzip **‘DB_dvdrental’**.

In the DBeaver open the file in the numerical order.




Make sure the correct Data Source is selected

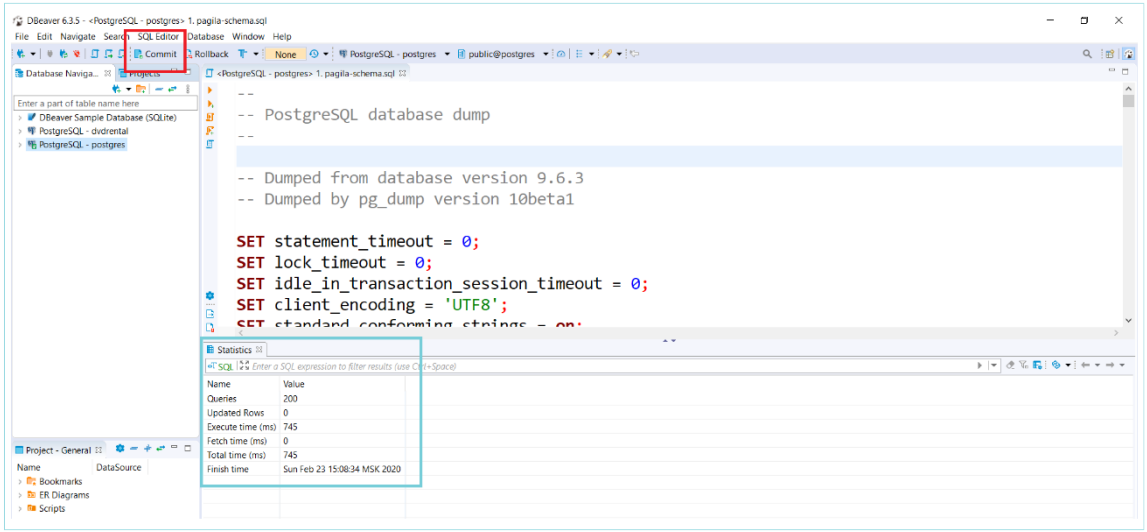
Run first script **‘1. pagila-schema.sql’ (hotkeys: ALT+X)**




**Wait for completion!!!**

After the successful execution of the script you see window with **'Statistics'**,

Click **COMMIT**




Run the rest of the scripts in the same way (in the numerical order):

2. pagila-insert-data.sql *-- script runs for a long time*

Statistics

SQL | Enter a SQL expression to filter results (use Ctrl+Space)

| Name | Value |
|---|---|
| Queries | 46296 |
| Updated Rows | 46273 |
| Execute time (ms) | 40169 |
| Fetch time (ms) | 0 |
| Total time (ms) | 40169 |

3. release_year_update.sql

4. before_additional_sakila_data.sql

5. additional_sakila_data.sql *-- script runs for a long time*

Statistics

SQL | Enter a SQL expression to filter results (use Ct

| Name | Value |
|---|---|
| Queries | 32091 |
| Updated Rows | 32091 |
| Execute time (ms) | 18286 |
| Fetch time (ms) | 0 |
| Total time (ms) | 18286 |

6. get_customer_balance.sql

**After each script press COMMIT**