



# Embracing modular SQL with DBT

PXL seminarie setup guide



# Snowflake setup





# Snowflake account setup (1)

01

Go to <https://signup.snowflake.com/>

02

Fill in the details

First Name\*

Last Name\*

Email\*

Company\*

Role\* 

Belgium 

No, I do NOT want Snowflake to send me e-mails about products, services, and events that it thinks may interest me.

By clicking the button below you understand that Snowflake will process your personal information in accordance with its [Privacy Notice](#)

CONTINUE

[or sign in to an existing account](#)



# Snowflake account setup (2)

03

Choose "Standard" as Snowflake edition

Choose "Microsoft Azure" as cloud provider

Choose "West Europe" as region

04

Skip the other questions

Choose your Snowflake edition\*

- Standard**  
A strong balance between features, level of support, and cost.
- Enterprise**  
Standard plus 90-day time travel, multi-cluster warehouses, and materialized views.
- Business Critical**  
Enterprise plus enhanced security, data protection, and database failover/fallback.

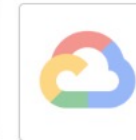
Choose your cloud provider\*



Microsoft Azure



Amazon Web Services



Google Cloud Platform

West Europe (Netherlands) ▾

- Check here to indicate that you have read and agree to the terms of the [Snowflake Self Service On Demand Terms](#).

GET STARTED



# Snowflake account setup (3)

05 **Activate** your account (check mailbox)

06 **Choose** a username and a password



Congratulations on getting started with Snowflake! Click the button below to activate your account.

CLICK TO ACTIVATE

This activation link is temporary and will expire in 72 hours.

**Save this for later**

Once you activate your account, you can access it at

<https://xtegehl-be20172.snowflakecomputing.com/console/login>.



# Snowflake account setup (4)

07

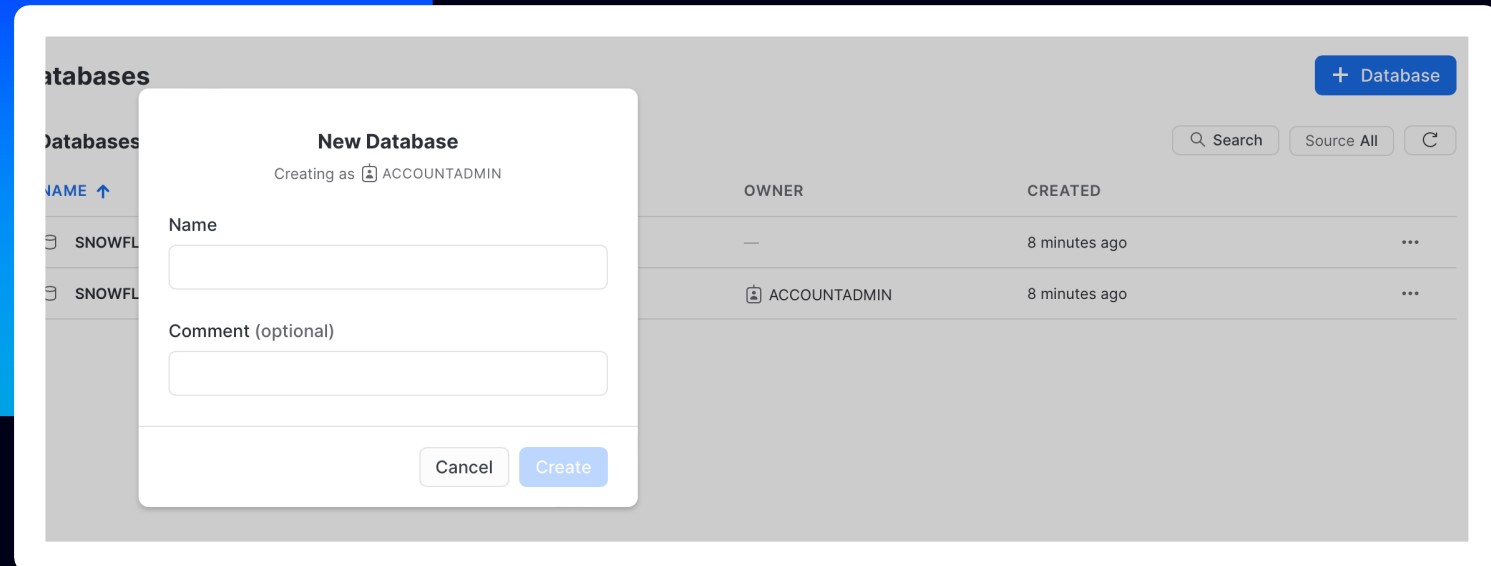
Click Data → Databases

08

Click + Database

09

Choose 'DBT\_WORKSHOP' as name and click Create





# Snowflake account setup (5)

10

Go to Worksheets

11

Copy the provided SQL code  
(create\_external\_tables\_workshop.sql)  
into a worksheet and run the code

```
3:01pm ACCOUNTADMIN COMPUTE_WH Share
No Database selected
1 -- Specify database
2 use database dbt_workshop;
3
4 -- Create schema
5 CREATE OR REPLACE SCHEMA dev_schema;
6
7 -- Create file format
8 CREATE OR REPLACE FILE FORMAT dev_schema.csv_format_test
9 TYPE = CSV;
10
11 -- Create stage
12 CREATE OR REPLACE STAGE dev_schema.dbt_workshop
13 URL = 'azure://dbtworkshop.blob.core.windows.net/dbtworkshopcontainer/';
14
15 -- Create cars external table
16 CREATE OR REPLACE external TABLE dev_schema.cars (
17   carid int as (value:c1::int),
18   tagnumber varchar as (value:c2::varchar),
19   rentalcategoriesid int as (value:c3::int),
20   make varchar as (value:c4::varchar),
21   model varchar as (value:c5::varchar),
22   caryear int as (value:c6::int),
23   purchaseprice int as (value:c7::int),
24   mp3player byteint as (value:c8::byteint),
25   dvdplayer byteint as (value:c9::byteint),
26   airconditioner byteint as (value:c10::byteint),
27   abs byteint as (value:c11::byteint),
28   asr byteint as (value:c12::byteint),
  ...

```



# Github setup

Only if you don't have a github account







# Create github account

01

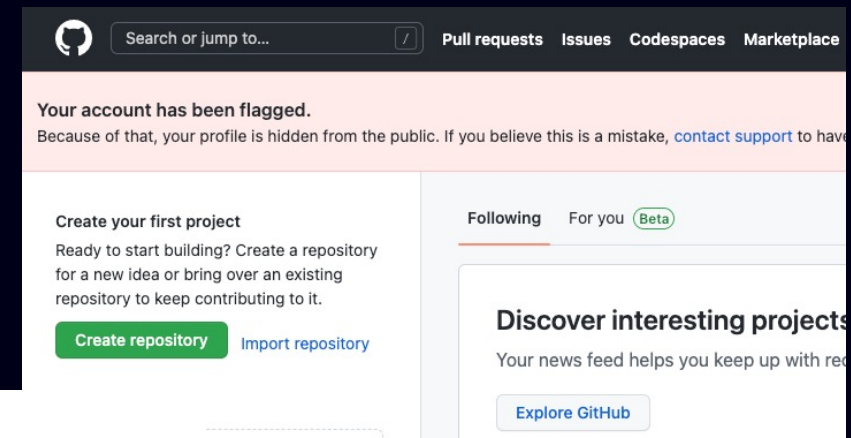
Go to <https://github.com/signup> and create an account

02

Click 'Create repository'

03


Fill in a name for the Repository and set it to private




Owner \*      Repository name \*

Great repository names are short and memorable. Need inspiration? How about...

Description (optional)

 **Public**  
Anyone on the internet can see this repository. You choose who can commit.

 **Private**  
You choose who can see and commit to this repository.



# DBT setup





# Dbt account setup

01 Go to <https://cloud.getdbt.com/signup>

02 Fill in the details

03 Verify your account

Tell us about yourself

Work email address

First name

Last name

Company name

Password

Confirm password

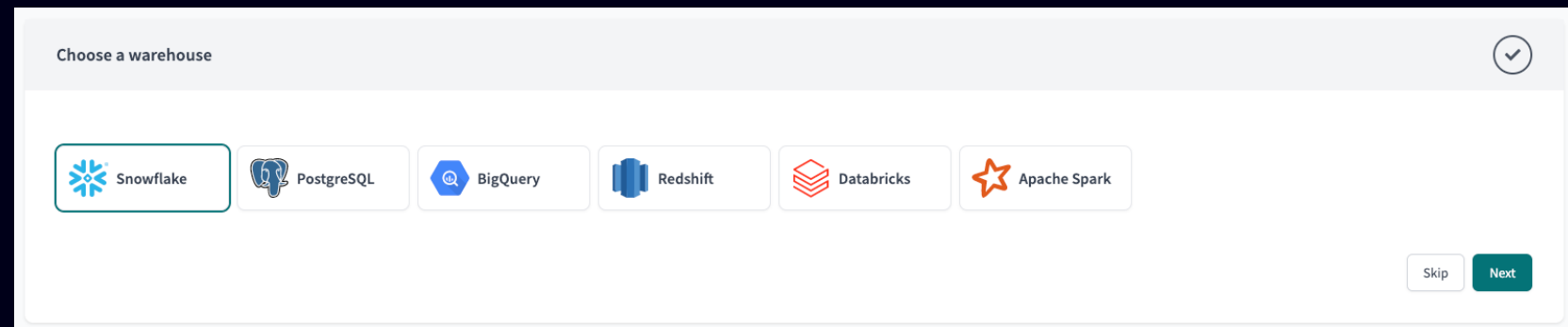
I agree to dbt Cloud's [Terms of Service](#).

Create my account >



# Dbt create a project

## 04 Pick Snowflake

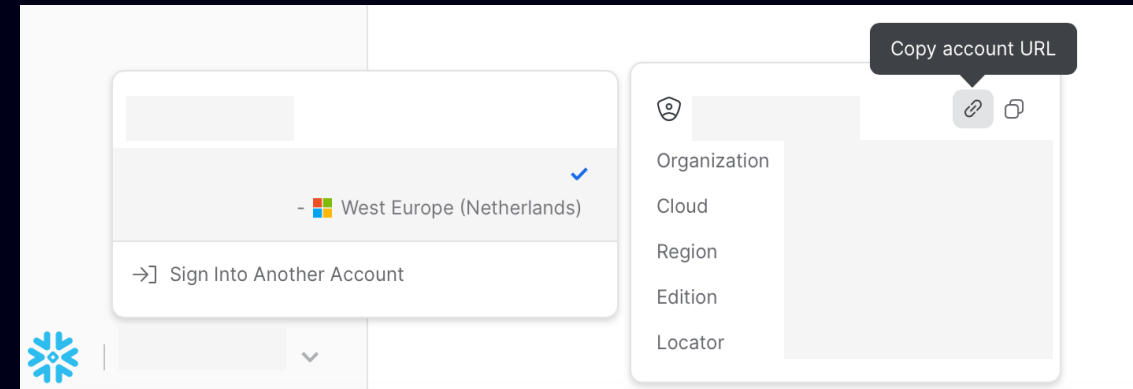


# Dbt create a project

Create a connection with the database in your new Snowflake account

05

- Account: (link without https:// and .snowflakecomputing.com)
- Database: DBT\_WORKSHOP
- Warehouse: COMPUTE\_WH



Account

Database

Warehouse



14



# Dbt create a project

06

Fill in Snowflake credentials  
(Don't change schema)

Username

Password

Schema



# Dbt create a project

- 07 Click next and go *“to Setup a Repository”*
- 08 Choose Github and *“Connect Github Account”*
- 09 Authorize dbt Cloud
- 10 Authorize all repositories or only the specific one created for this workshop



# Initialize a project

14 Go to the IDE to start developing

15 Initialize project

16 Commit and sync to git

17 Create branch 'development'