

AtScale Design Center

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Install Docker

Before you start this guide, you must have Docker Desktop installed on your local computer. Please follow these instructions:

 [Install Docker Desktop on Windows](#)

 [Install Docker Desktop on Mac](#)

 [Install Docker Desktop on Linux](#)

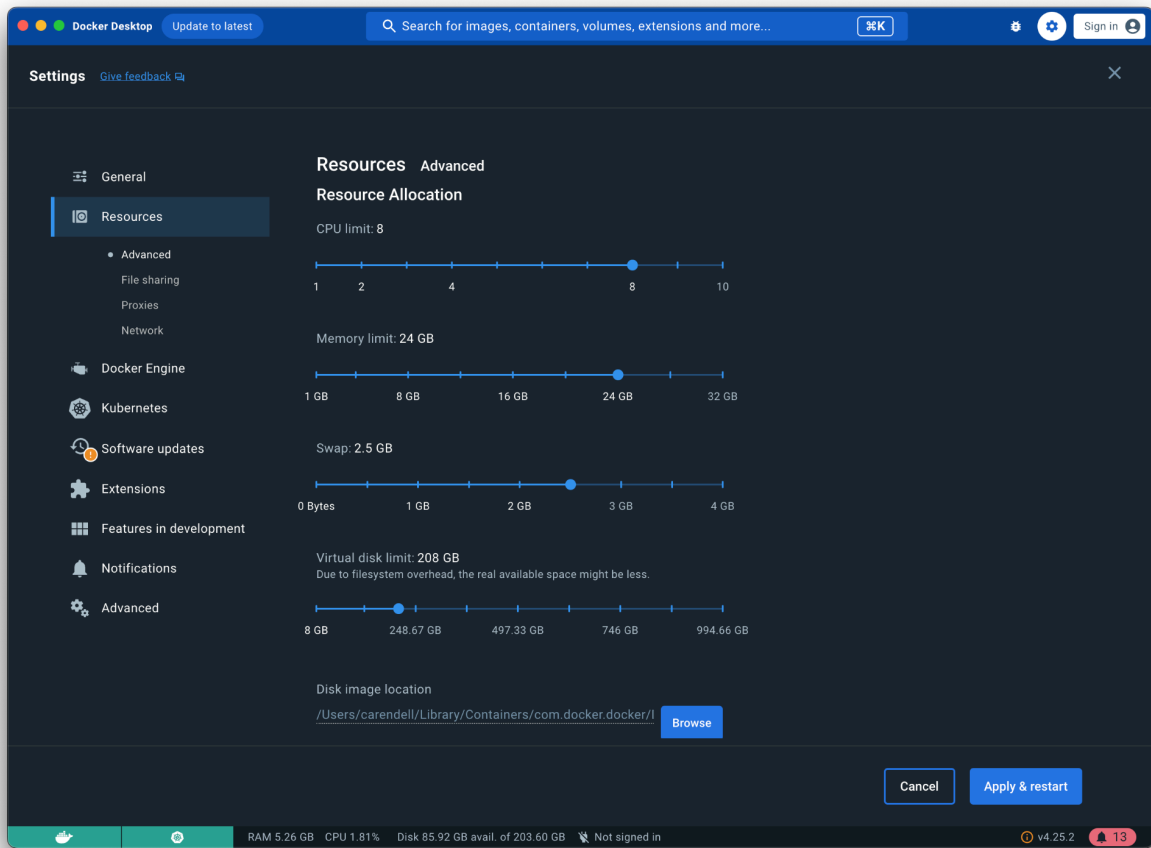
Setting up Docker Desktop Resource Limits

Once Docker Desktop is installed:

1. Click on the cog wheel in the top right-hand corner of the window.



2. Click on “**Resources**” on the left sidebar to show the resource settings.



1. Increase the CPU limit to at least 6 cores, up to 8 cores for improved performance.
2. Increase the memory limit to at least 8GB, up to 16GB for improved performance.
3. Increase virtual disk limit to 128GB up to 256GB.

Install AtScale Server

1. Download the file sent to your email.
 - a. It should be: devops-community-stack-develop.zip
2. Unzip the file.
3. Open a **“Terminal”**.
4. Navigate to the folder you’ve just unzipped and into compose.
 - a. `“cd Downloads/devops-community-stack-develop/compose/”`
5. Now, run the following command: **docker compose up -d**

```
C:\Windows\System32\cmd.exe
C:\Users\Petar Staykov\Desktop\Docker\Fresh Community\devops-community-stack\compose>docker compose up -d
```

6. Wait for the containers to come up successfully.
 - a. **Note:** This may take some time. You will know AtScale is ready when you get your command prompt back.

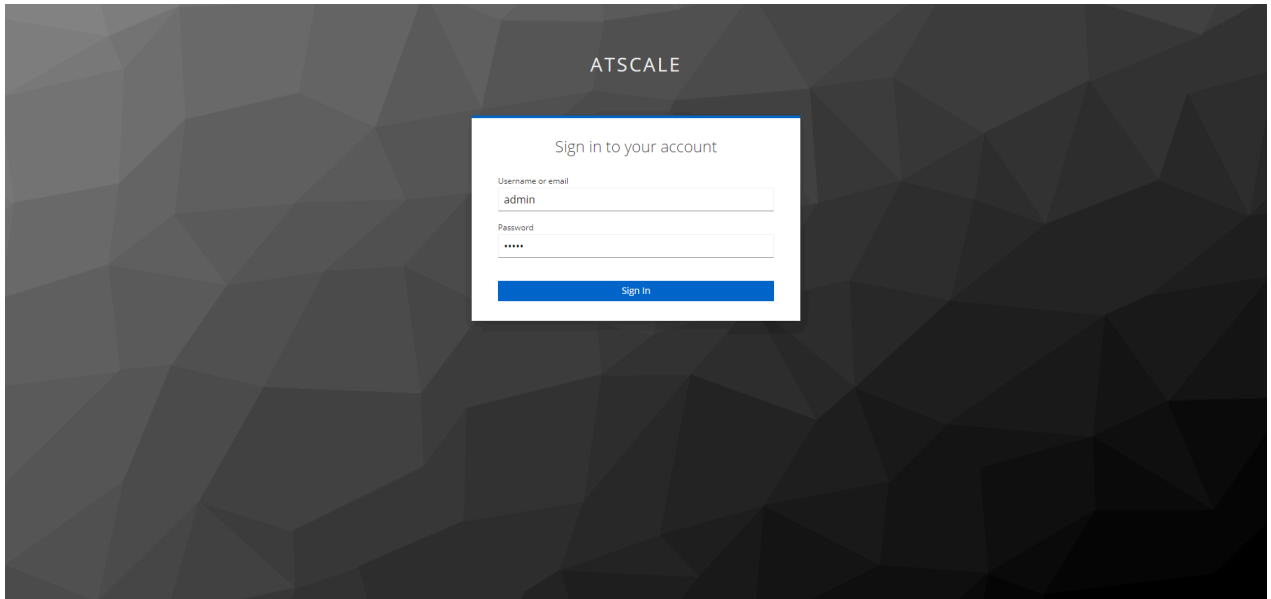
```
C:\Windows\System32\cmd.exe
[+] Running 13/19
 - Network atscale-community-edition_default Created 76.3s
 - Volume "atscale-community-edition_atscale-tutorial" C... 76.1s
 - Volume "atscale-community-edition_atscale-tempo" Crea... 76.1s
 - Volume "atscale-community-edition_atscale-postgres" C... 76.1s
 - Volume "atscale-community-edition_atscale-loki" Creat... 76.1s
 - Volume "atscale-community-edition_atscale-cache" Crea... 76.1s
[+] Container atscale-community-edition-redis-1 Healthy 17.4s
[+] Container atscale-community-edition-postgres-1 Health... 7.1s
[+] Container atscale-community-edition-collector-1 Start... 2.2s
[+] Container atscale-community-edition-tempo-1 Started 1.6s
[+] Container atscale-community-edition-promtail-1 Starte... 2.2s
[+] Container atscale-community-edition-loki-1 Started 1.0s
[+] Container atscale-community-edition-kong-1 Started 1.6s
[+] Container atscale-community-edition-identity-1 Health... 47.8s
[+] Container atscale-community-edition-entitlement-1 Hea... 58.8s
[+] Container atscale-community-edition-web-1 Started 48.3s
[+] Container atscale-community-edition-api-1 Healthy 69.6s
[+] Container atscale-community-edition-tutorial-1 Health... 75.4s
[+] Container atscale-community-edition-engine-1 Started 75.6s
C:\Users\Petar Staykov\Desktop\Docker\Fresh Community\devops-community-stack\compose>
```

7. Point your browser to <http://localhost>.

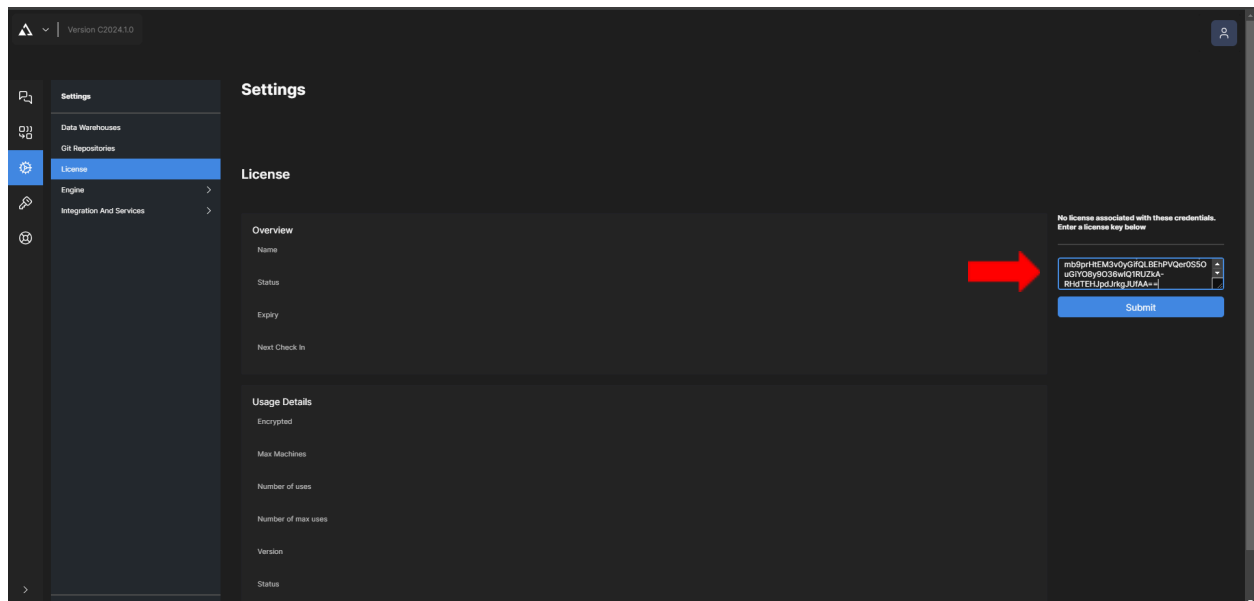
What is AtScale Design Center?

AtScale Design Center is a semantic modeling tool that helps business analysts and analytics engineers build semantic models. AtScale semantic models are based on the Semantic Modeling Language (SML) syntax. Please see the [Semantic Modeling Guide](#) for more information.

1. To start, log into the Design Center.



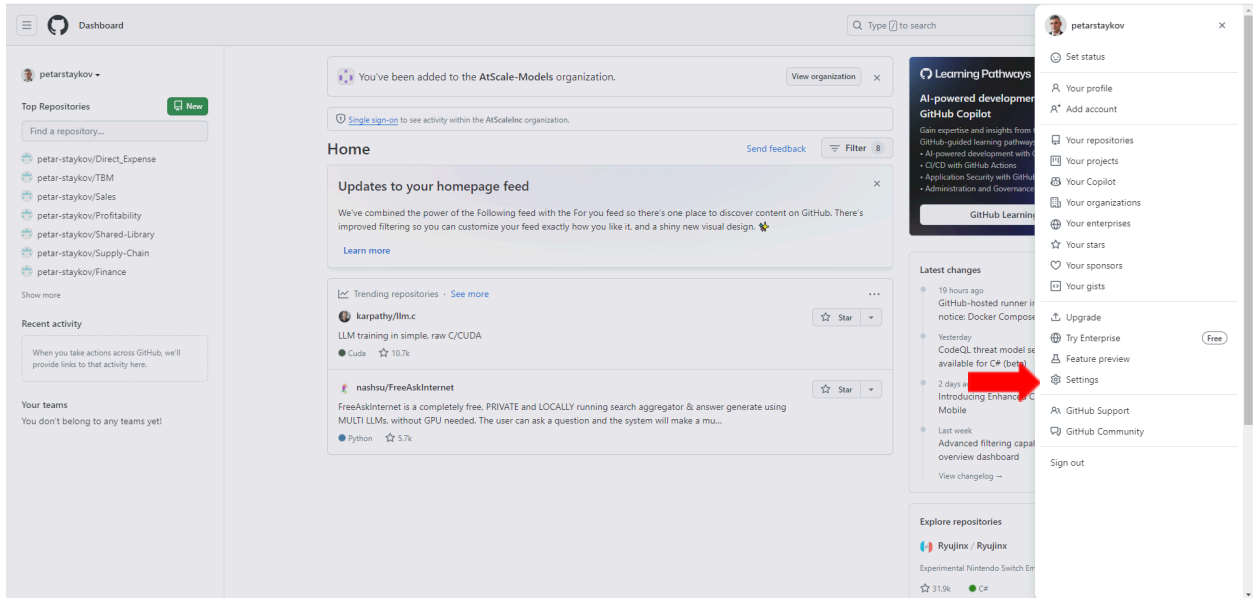
- a. Use the username **admin**.
 - b. Use the password **admin**.
2. For security reasons, AtScale will ask you to update your admin password after you first log in.
3. Next, input your AtScale license and hit **“Submit”**.
 - a. **Note:** Your unique license key and the download link were emailed directly to you from community@atscale.com.
4. Give AtScale some time to finalize the setup.
 - a. It should be about 3 minutes.



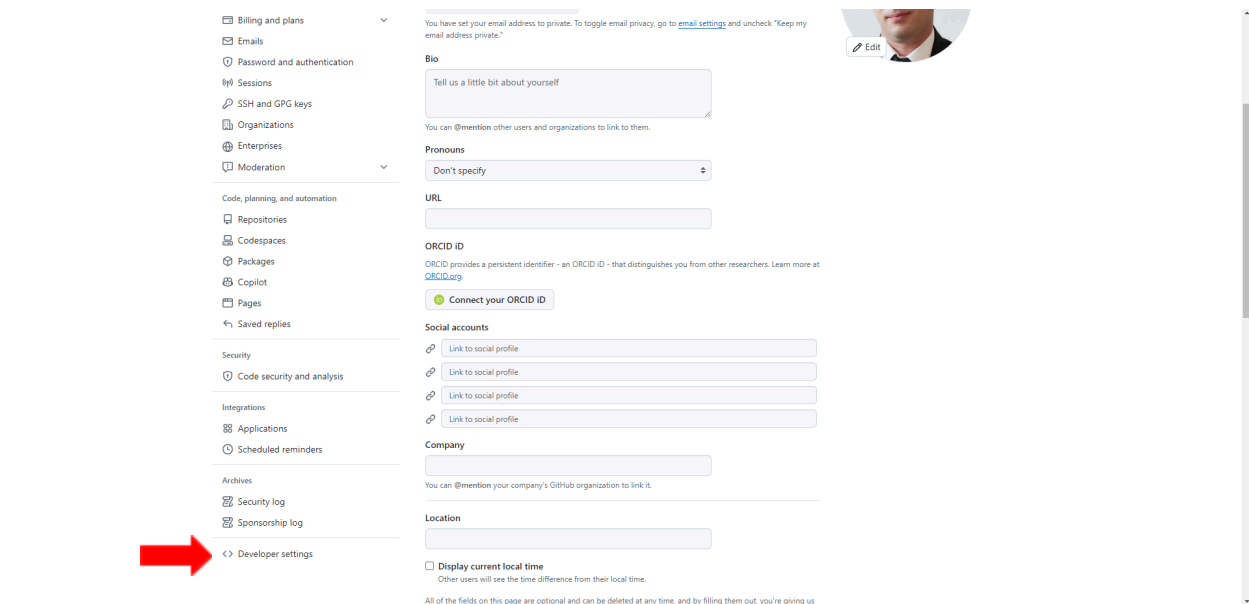
Quick Start: Internet Sales Tutorial

Set up a Git Account & User Token

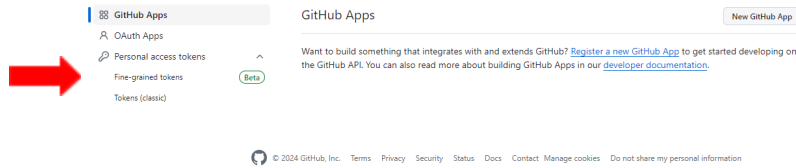
1. Create a free Git account if you don't have one already. If you have a Git account, skip to Step 2.
 - a. Go to www.github.com.
 - b. Click on the **“Sign Up”** button.
 - c. Step through the registration process
 - d. Choose the **“FREE”** version. There will be no charge and you won't need any credit card information
 - e. Finalize Git setup steps as directed
2. Login to your Git Account.
3. Under your User Profile, click → **“Settings”**.



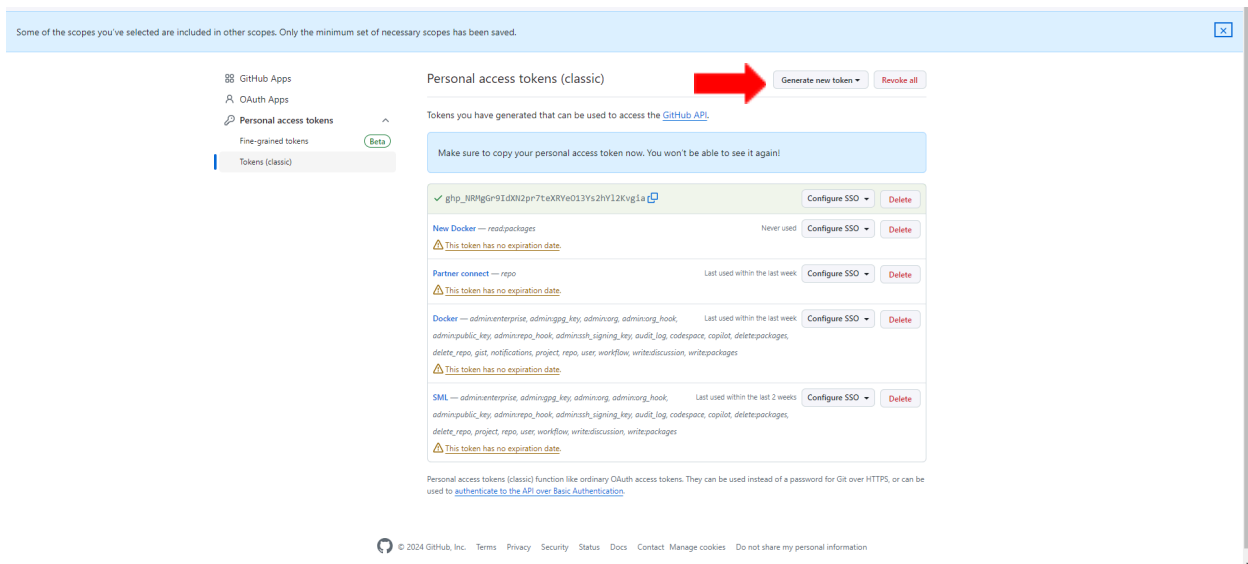
4. Click “Developer Settings”.



5. Click “Personal Access Token” → “Token Classic”.



6. Click “**Generate**”. Give it a name and check the repo rights.

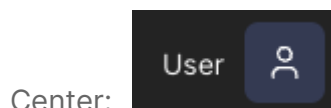


7. At this stage, copy the token and save it somewhere else. You will need to use this token in the AtScale Design Center.

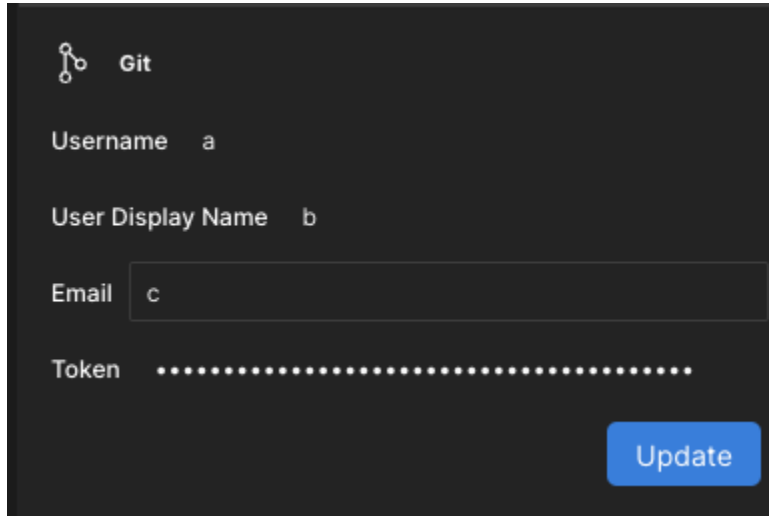
- a. **Note:** *This is the last time GitHub will show you the token. Save the token somewhere safe that you can easily access. If you forget or lose your token, Go back to Step 5 and repeat. There is no way to recover a token.*

8. Enter your Git Credentials into the AtScale Design Center.

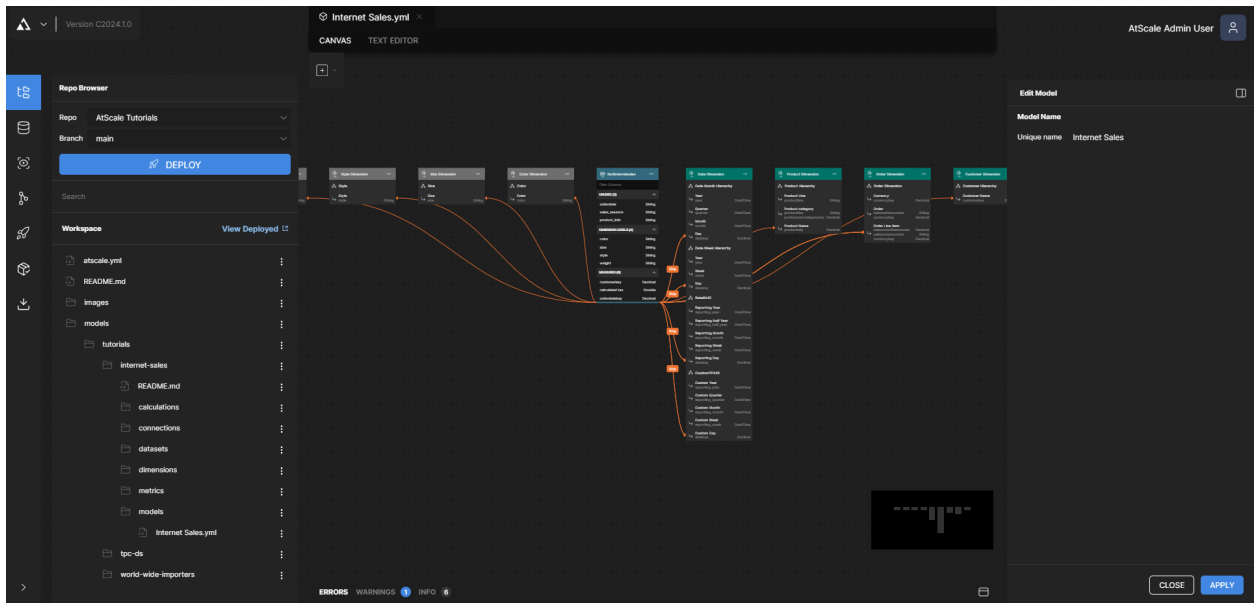
- a. Click the Profile Icon in the upper right-hand corner of AtScale Design



- b. Fill in the Git Details. Username, User Display Name, and Email are all MANDATORY fields, but you can put whatever you want in them. They are not validated.
- c. Put the token from GitHub into the Token Field



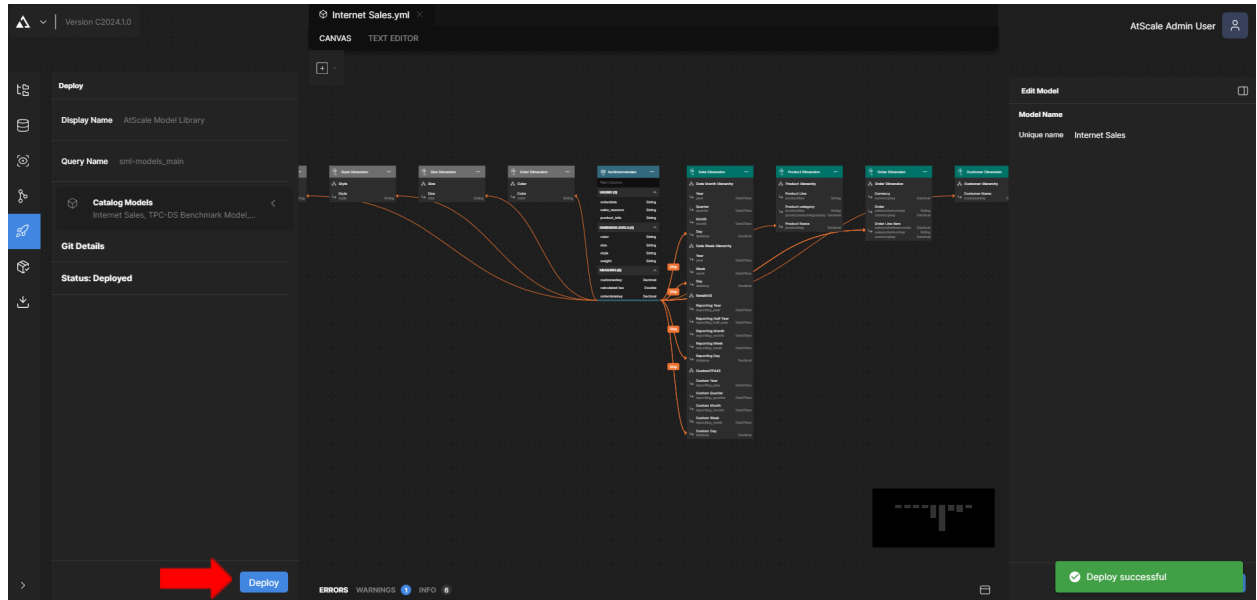
9. The public repo with tutorials will then be preconfigured.



Deploy AtScale Tutorial Model

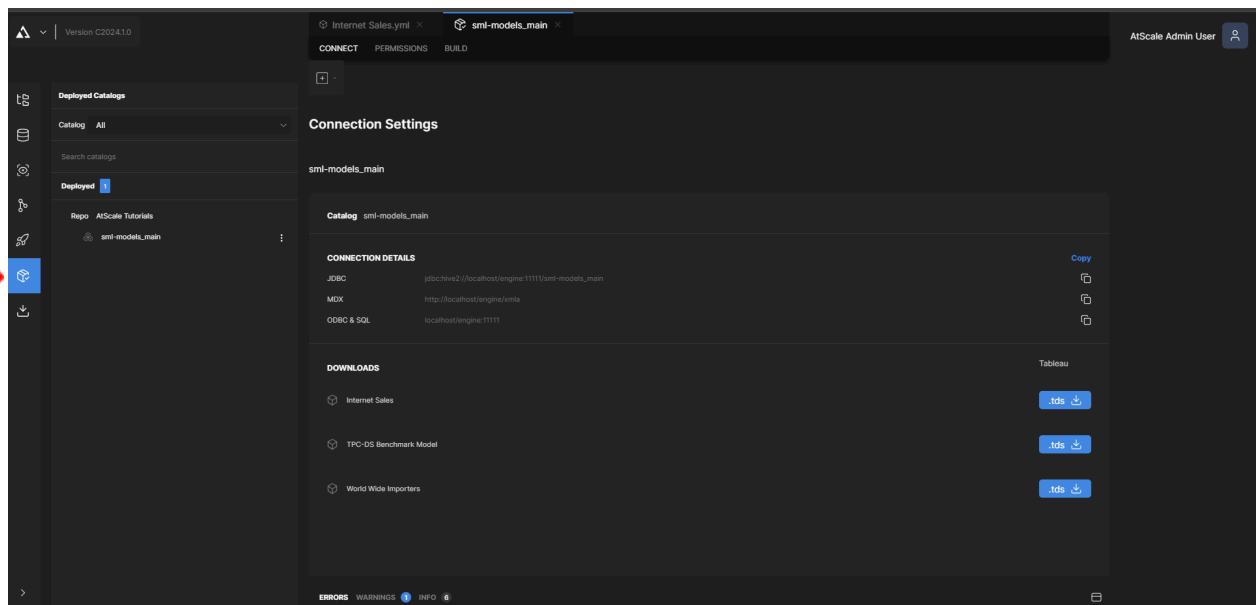
To explore and query the tutorial models in the AtScale Design Center:

Deploy your Catalog: Click on the **"Repo Browser"** icon in the Activity bar (left side) and press the **"Deploy"** button.



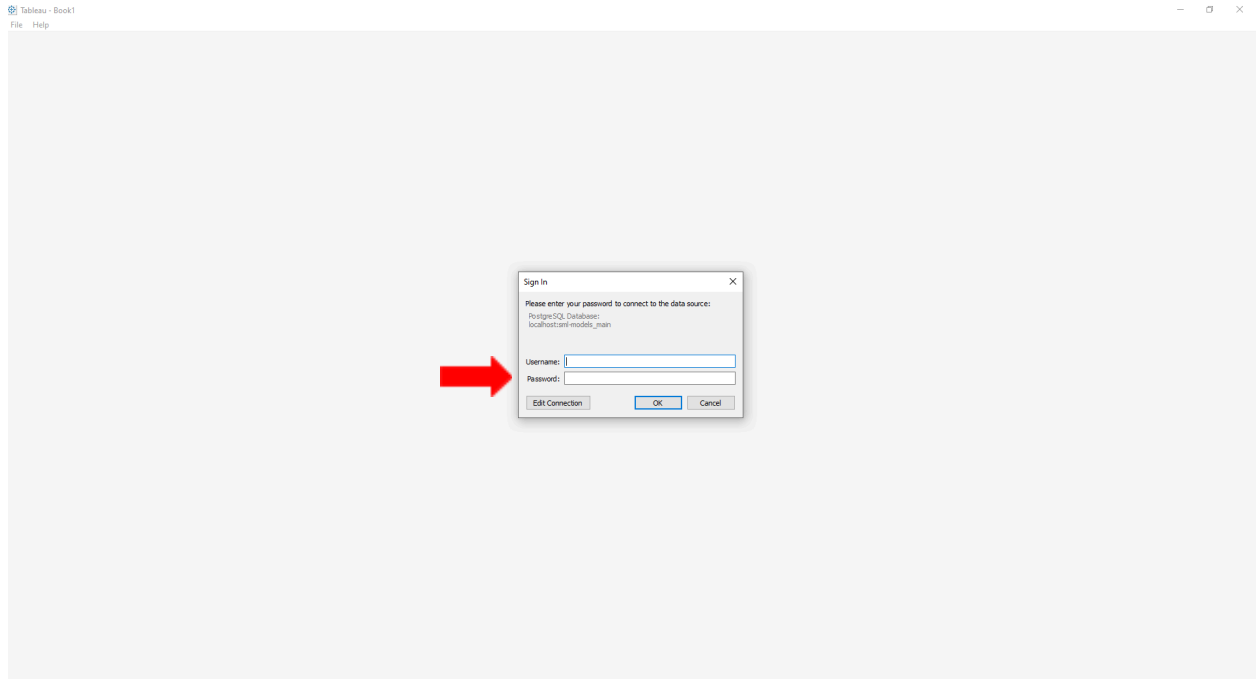
Query AtScale Tutorial Model using a BI Tool

Click on the Deployed Catalogs icon in the Activity bar (left side) and click on your deployed catalog. Instructions for connecting your BI tools will appear on the right side.



Connect Tableau

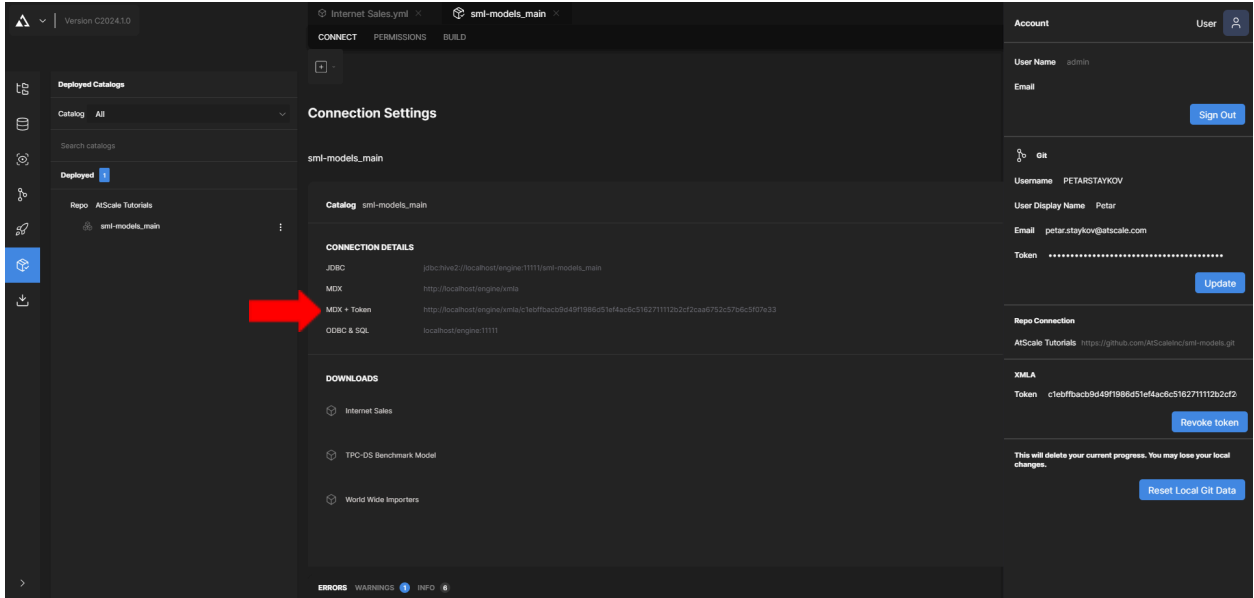
1. Download and double-click the TDS file.



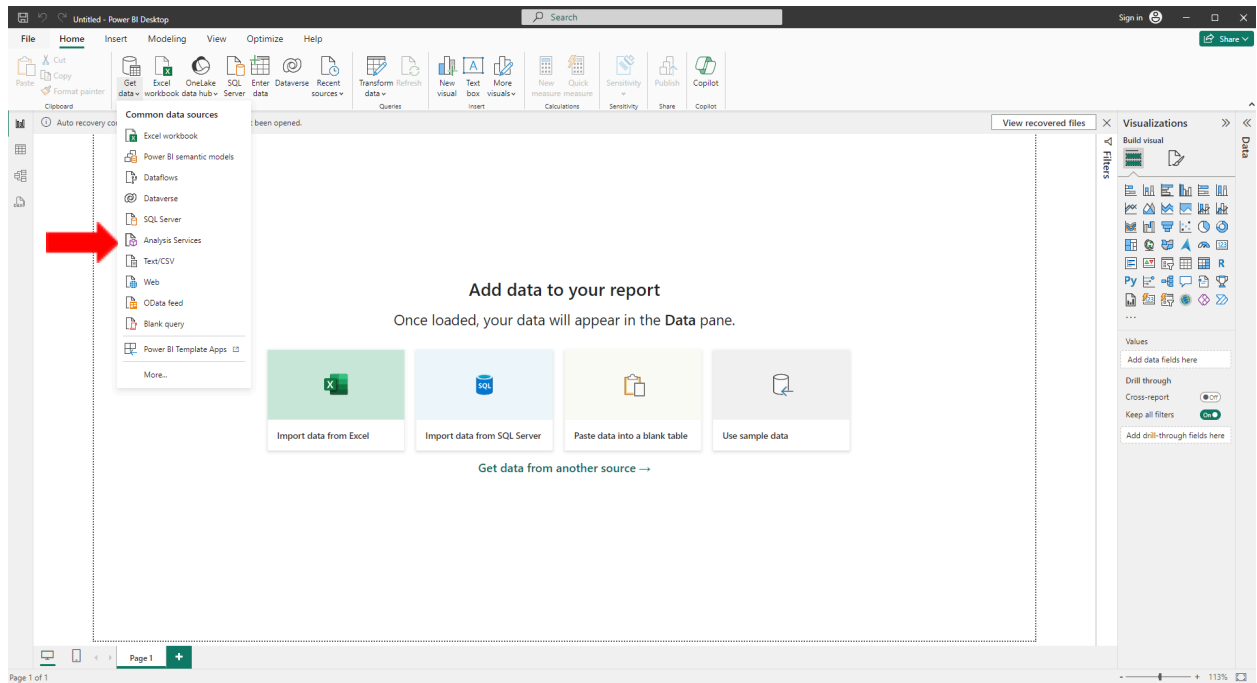
2. Enter the user credentials.
 - a. Use the username **admin**.
 - b. Use the password **admin** or the one you changed to upon the first login in the Design Center.

Connect Power BI

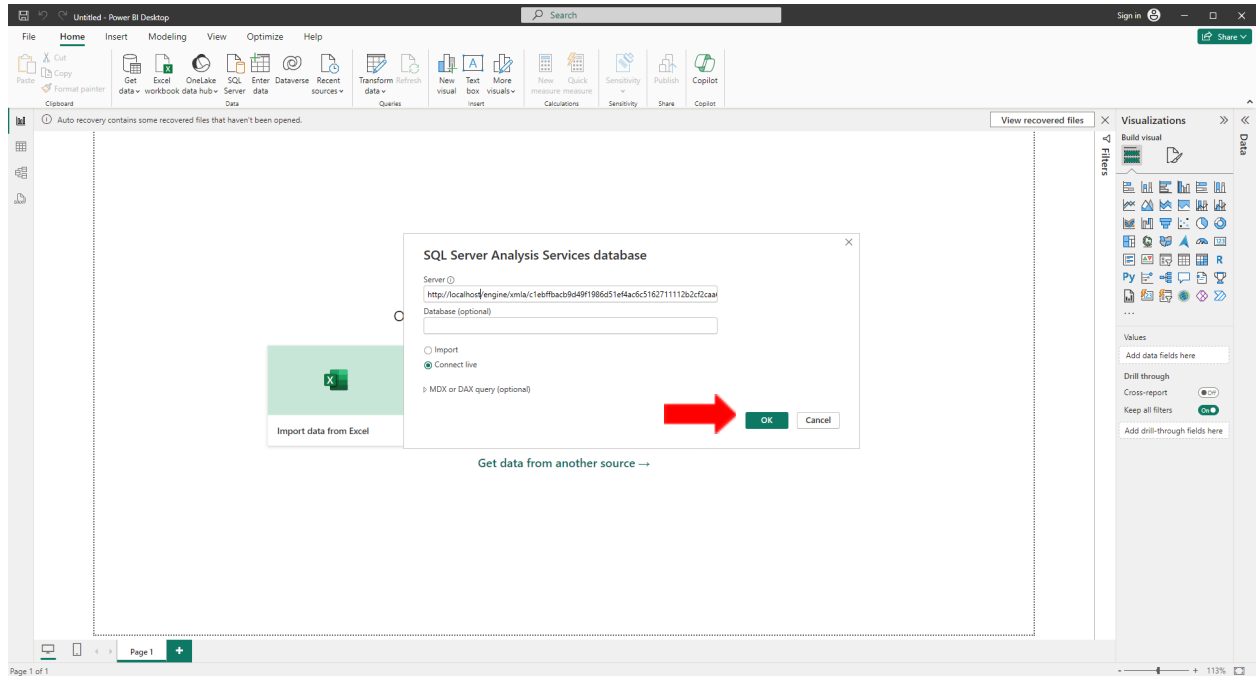
1. Under the Design Center user profile, click "**Generate XMLA token**".



2. Copy the URL from MDX + Token.
3. In PBI, go to **“Get Data”** → **“Analysis Services”**.

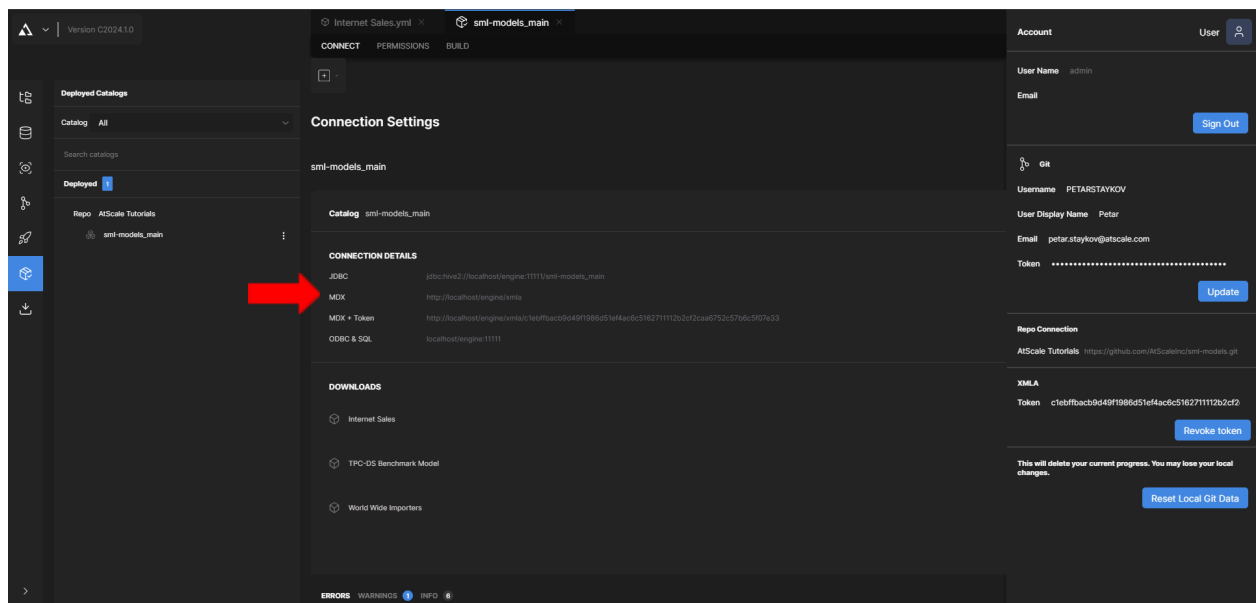


4. Paste the URL you obtained in the previous step and click **“OK”**.

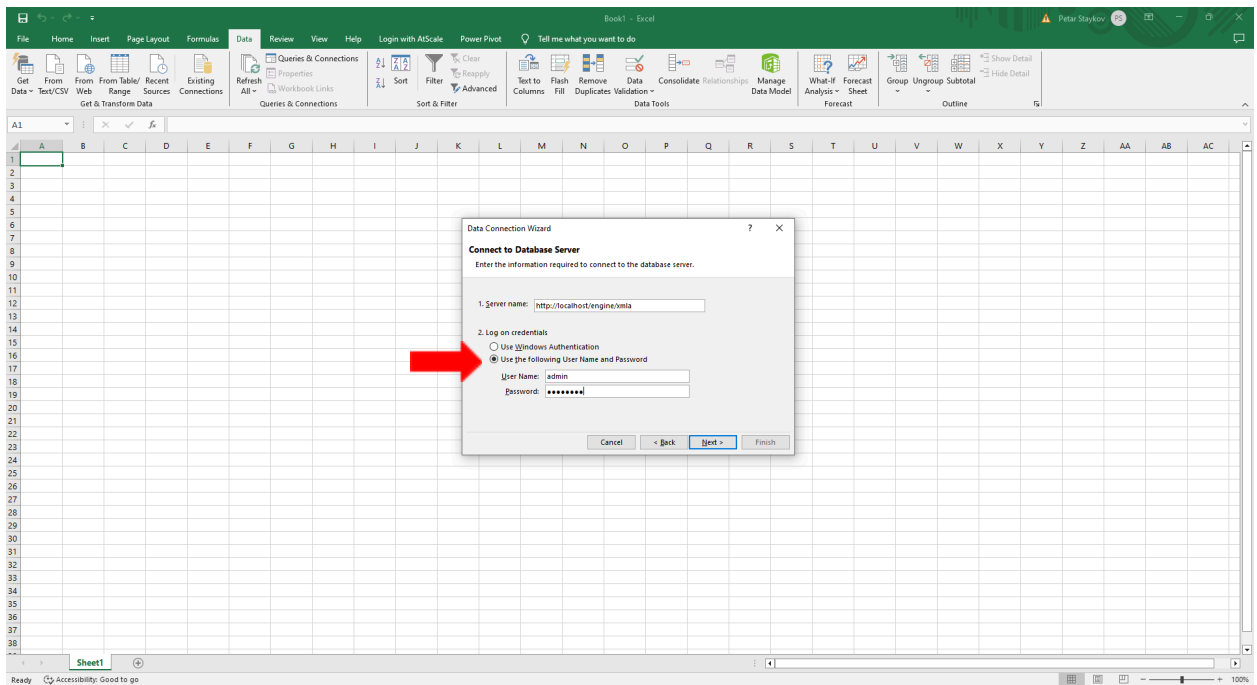
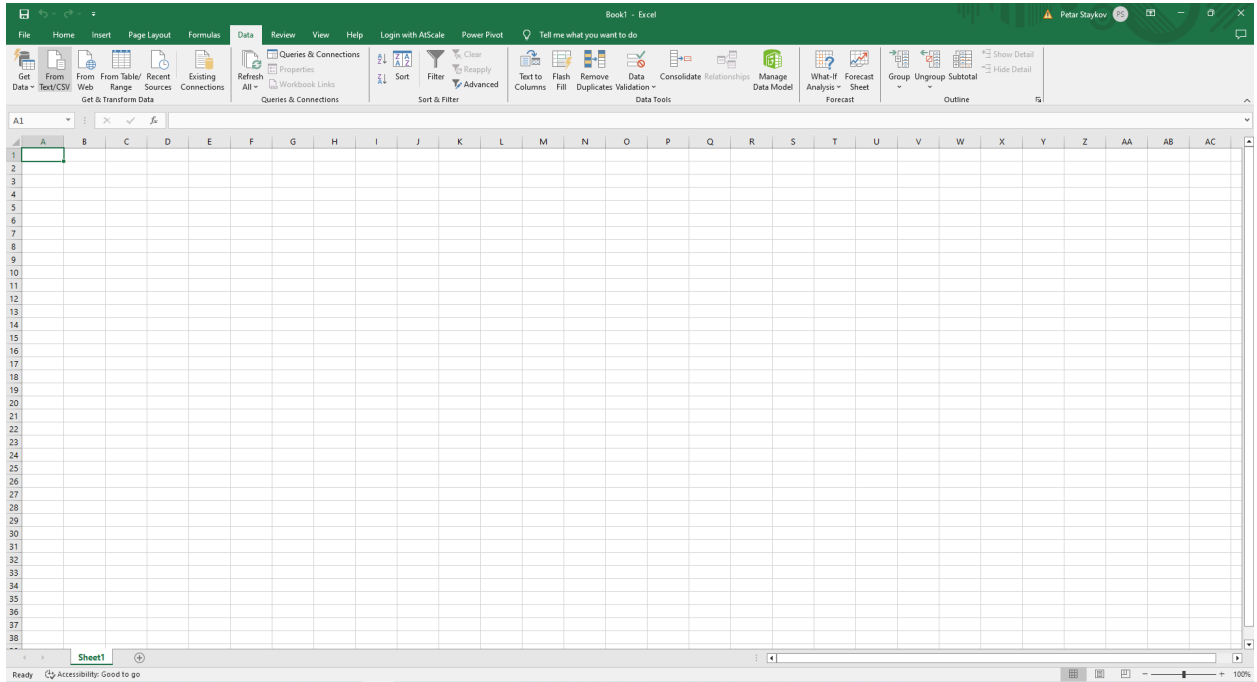


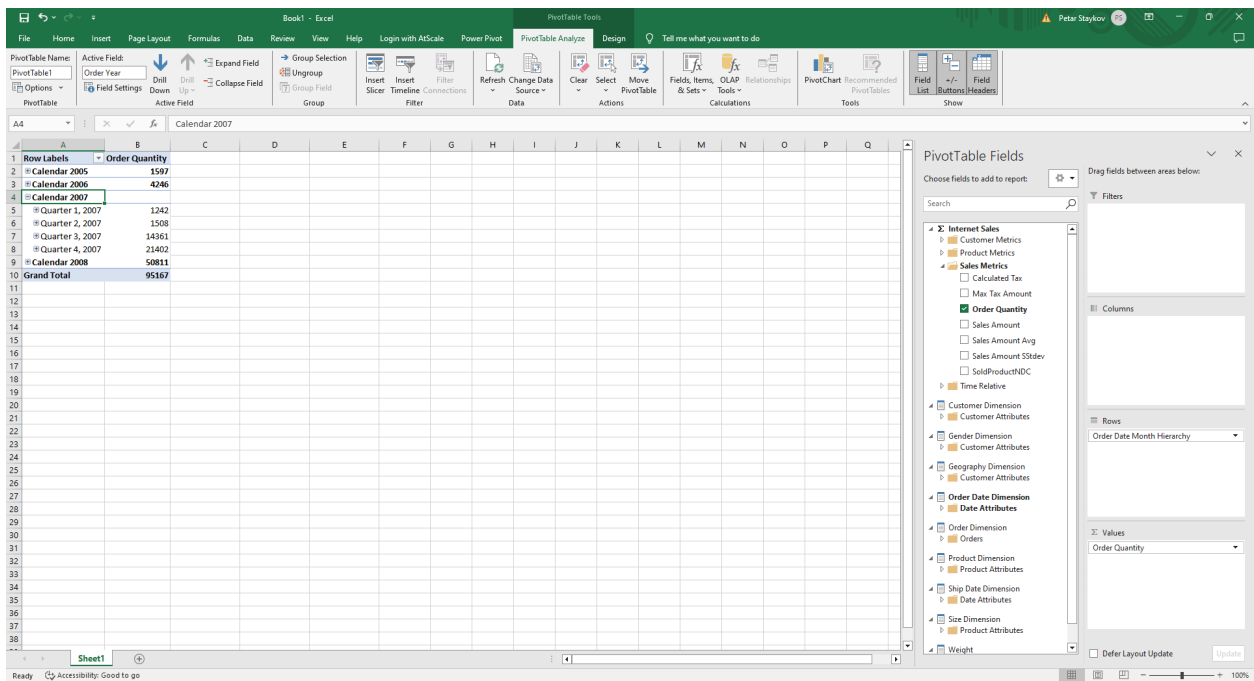
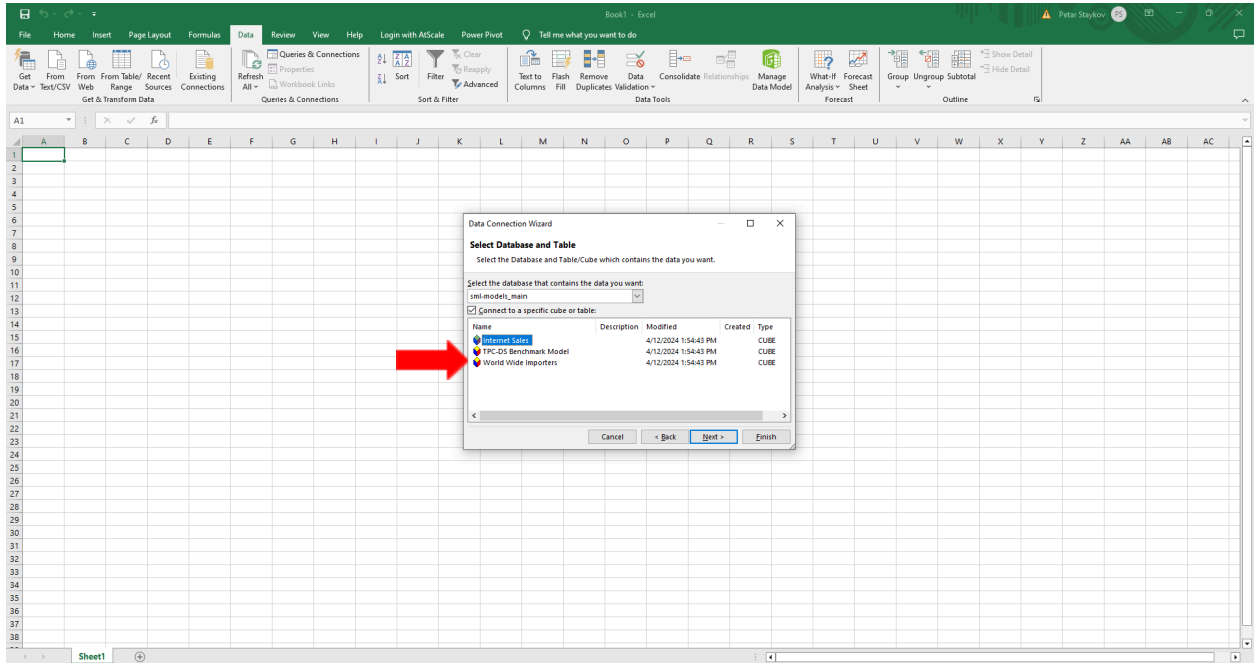
Connect Excel

1. Copy the MDX connection string from the connection page in the Design Center.



2. In Excel, go to "Data" → "Get Data" → "From Database" → "From Analysis Services".





Create Your First Model

Set up a Git Repository for AtScale's Semantic Models Library

1. In Git, click on "New Repository".

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

[Single sign-on](#) to see results in the AtScaleInc organization.

Owner * / Repository name *

Great repository names are short and memorable. Need inspiration? How about [studious-engine](#) ?

Description (optional)

[Please choose an owner](#) to see the available visibility options.

Initialize this repository with:

Add a README file
This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template:

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License:

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

Create repository

2. Add name and description and check the “Add a Readme file” checkbox.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

[Single sign-on](#) to see results in the AtScaleInc organization.

Owner * / Repository name *

[Sample](#) is available.

Great repository names are short and memorable. Need inspiration? How about [super-bassoon](#) ?

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.

Initialize this repository with:

Add a README file
This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template:

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License:

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

This will set [main](#) as the default branch. Change the default name in your settings.

[You are creating a private repository](#) in your personal account.

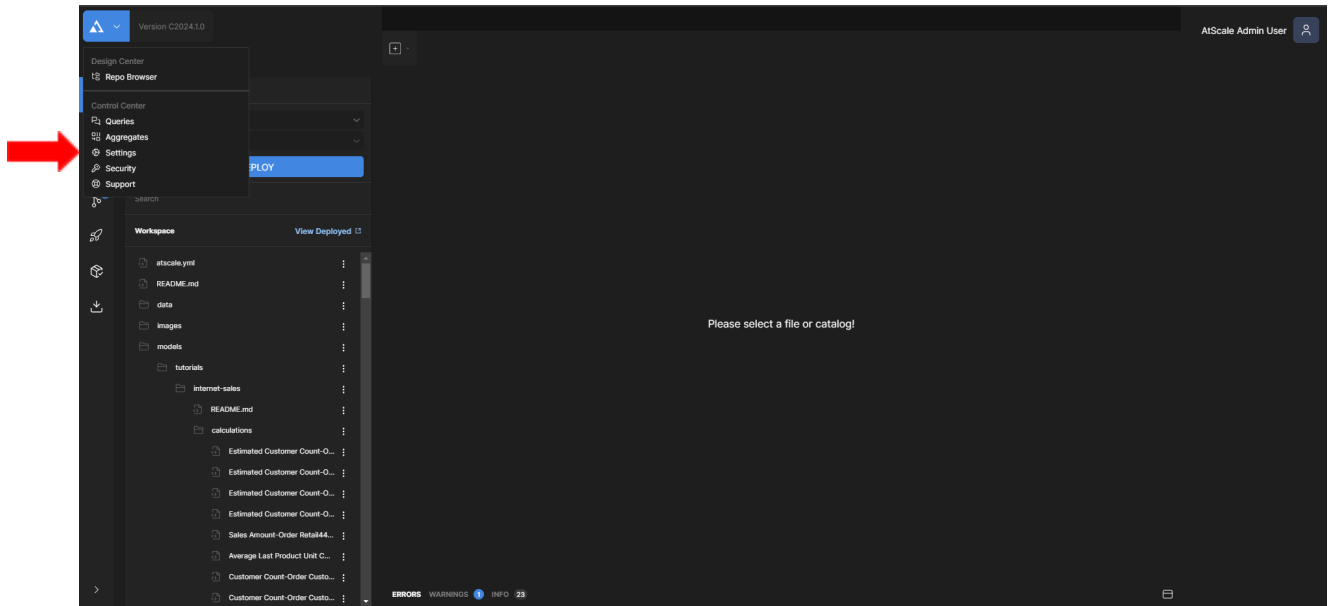
Create repository

3. Copy the HTTPS URL.

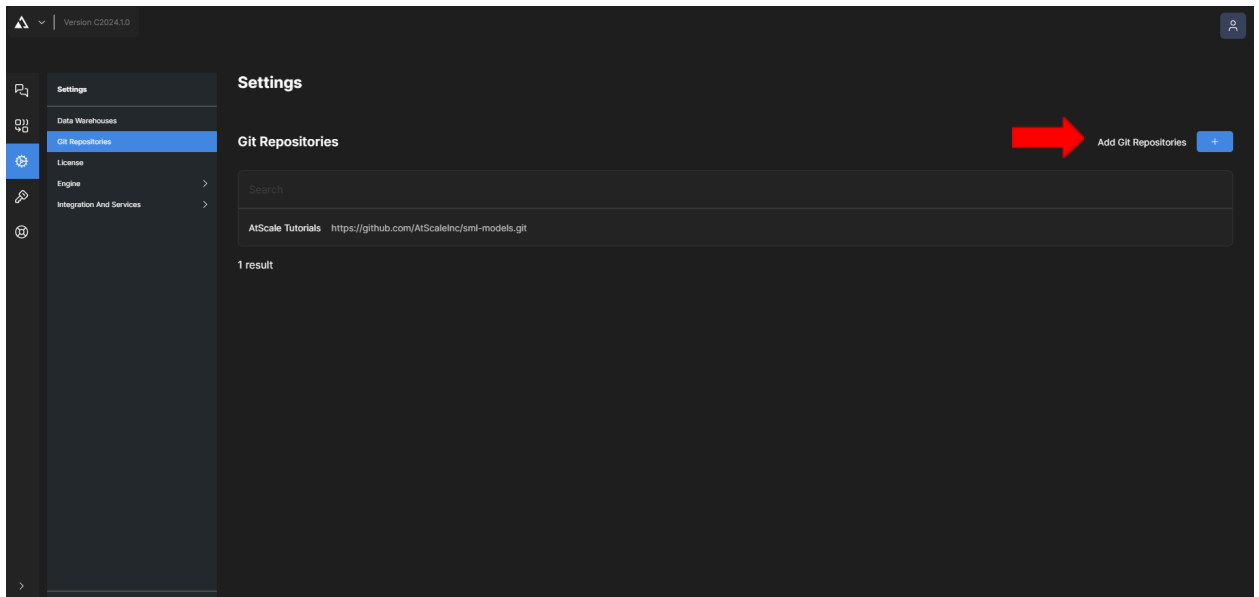
The screenshot shows the GitHub interface for a repository named 'Sample' by user 'petarstaykov'. The repository is private and has 1 branch (main) and 0 tags. The 'Code' button is highlighted with a red arrow, and the 'Clone' dropdown menu is open, showing options for cloning via HTTPS, SSH, or GitHub CLI. The URL 'https://github.com/petarstaykov/Sample.git' is visible in the dropdown. The repository has 0 forks and 0 stars. The 'About' section shows the repository name 'Sample', a README file, and 0 releases published. The footer contains copyright information for GitHub, Inc. in 2024.

Add Your Own Repository to AtScale

1. Go to AtScale Settings: In the AtScale Design Center, click on the "Settings" dropdown by clicking on the AtScale logo icon (upper left).



2. In the Git Repositories section, click "Add".



3. Click "Save," and the new repo will appear in the dropdown menu in the repo browser.

Version C2024.1.0

Settings

- Data Warehouses
- Git Repositories**
- License
- Engine
- Integration And Services

Settings

Git Repositories

Add Git Repositories +

Search


AtScale Tutorials <https://github.com/AtScaleInc/sml-models.git>

1 result

Add AtScale Git Repo

Repo name

URL <https://github.com/petarstaykov/Sample.g>



Version C2024.1.0

README.md

TEXT EDITOR

AtScale Admin User

Repo Browser

Repo Sample

Branch main

Search

Workspace View Deployed

README.md

```
1 # Sample
2 Sample
3
```

Save File

ERRORS WARNINGS INFO