

AdForm API Instructions

Requirements

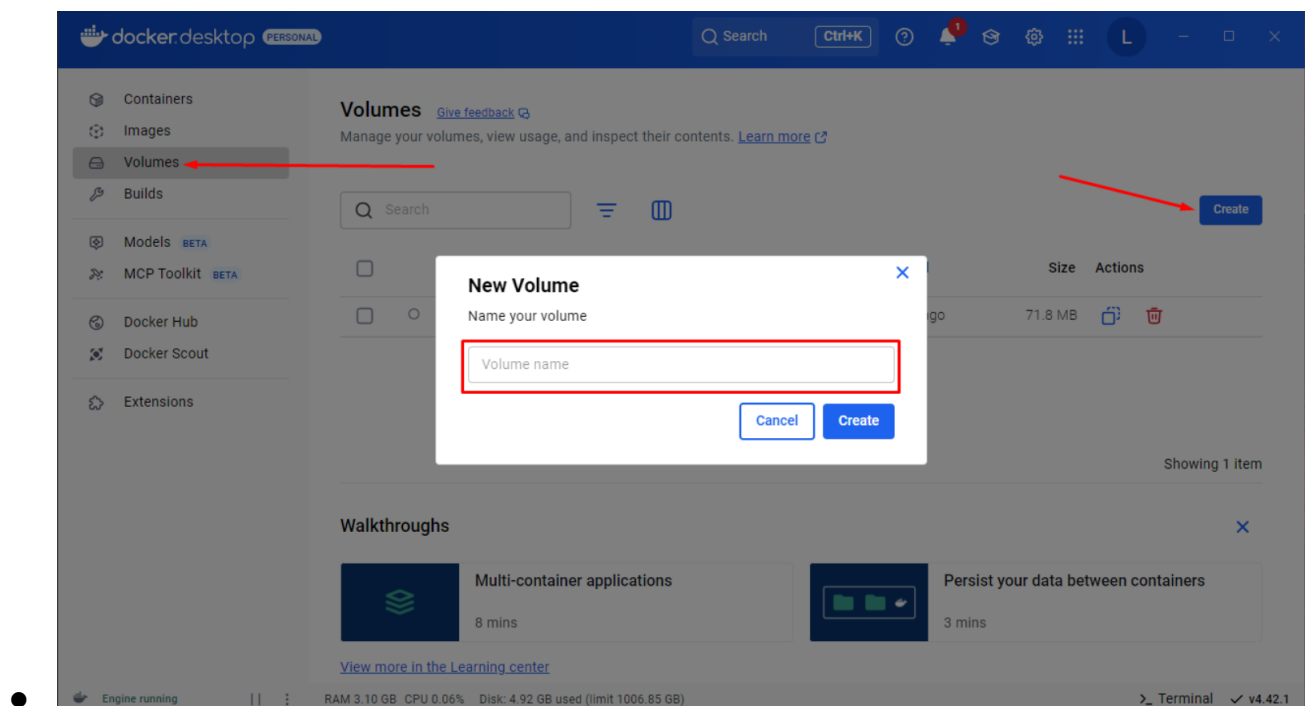
Visual Studio 2022

Docker Desktop

Cloned project repository

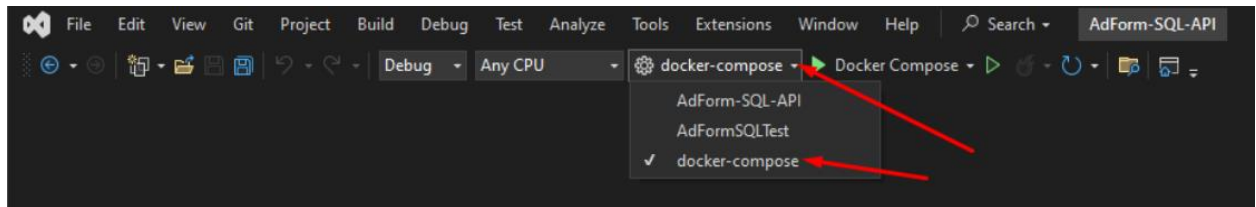
Docker Desktop setup

- Create a Volume called: AdForm_API_PostgreSQL_volume

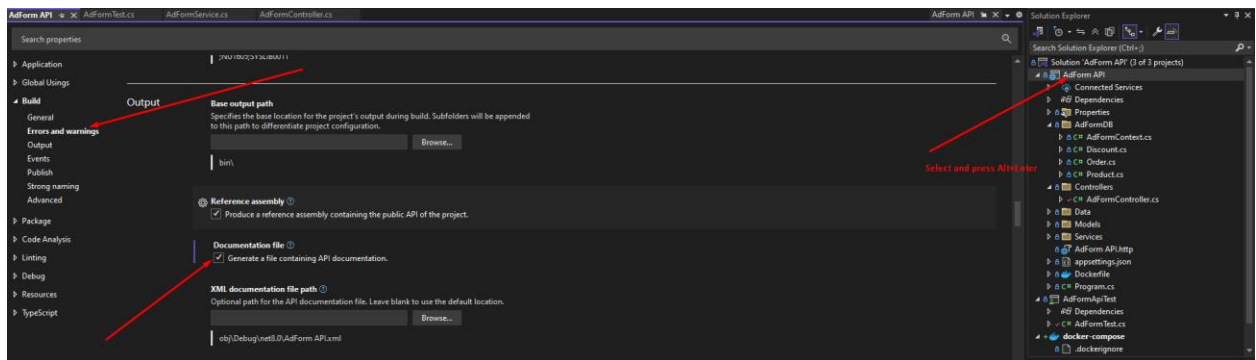


Visual Studio setup

- Change the Startup Item to docker-compose:



- Click on the Docker Compose run button.
- Visual studio may not have set up documentation generating. You can do that in Project properties: Build -> Errors and warnings



The Swagger page of the API has opened in your browser. Please set up the database before using the API.

To access GraphQL endpoints for PostProduct function simply change the `/swagger/index.html` location in the url to `/graphql`

Database set up in Docker

- Open the docker terminal.
- Navigate to where the AdForm.sql file is located.
- Type in ***docker ps***, to list all of the containers to find the PostgreSQL container ID.

The screenshot shows the Docker Desktop interface. On the left is a sidebar with navigation options: Containers, Images, Volumes, Builds, Models (BETA), MCP Toolkit (BETA), Docker Hub, Docker Scout, and Extensions. The main area is titled 'Containers' and shows a table of running containers. The table has columns for Name, Container ID, Image, Port(s), Last started, and Actions. Three containers are listed: 'dockercompose121590...', 'adformapi-1', and 'postgresdb_Api'. The 'postgresdb_Api' container is highlighted with a red box. Below the table is a terminal window showing the output of the 'docker ps' command. The same 'postgresdb_Api' container is highlighted in the terminal output.

Name	Container ID	Image	Port(s)	Last started	Actions
dockercompose121590...	-	-	-	2 hours ago	[Stop] [Restart] [Delete]
adformapi-1	e4c78fccfb86	adformapi	5000:5000	2 hours ago	[Stop] [Restart] [Delete]
postgresdb_Api	778005e69a2e	postgres:latest	5432:5432	3 hours ago	[Stop] [Restart] [Delete]

```
NAME                  CONTAINER ID   IMAGE          PORTS                STATUS      LATEST
e4c78fccfb86         adformapi:dev   "dotnet --roll-fo... 2 hours ago  Up 2 hours   0.0.0.0:5000->5000-5001
/tcp, [::]:5000-5001->5000-5001/tcp, 0.0.0.0:58510->8080/tcp, [::]:58510->8080/tcp, 0.0.0.0:58509->8081/tcp, [::]:58509->8081/tcp
dockercompose12159052499889316171-adformapi-1
778005e69a2e         postgres:latest "docker-entrypoint.s... 2 hours ago  Up 2 hours   0.0.0.0:5432->5432/tcp, [::]:5432->5432/tcp
```

- Upload AdForm.sql file to the Postgre container using this command line:
docker cp AdForm.sql <containerId>:/AdForm.sql
- Enter the Postgre container using this command line:
docker exec -it <containerId> bash
- Run the database from the container using the command line:
psql -U postgres -d AdForm -f /AdForm.sql

You can now use the API fully.