

# AdForm API Instructions

## Requirements

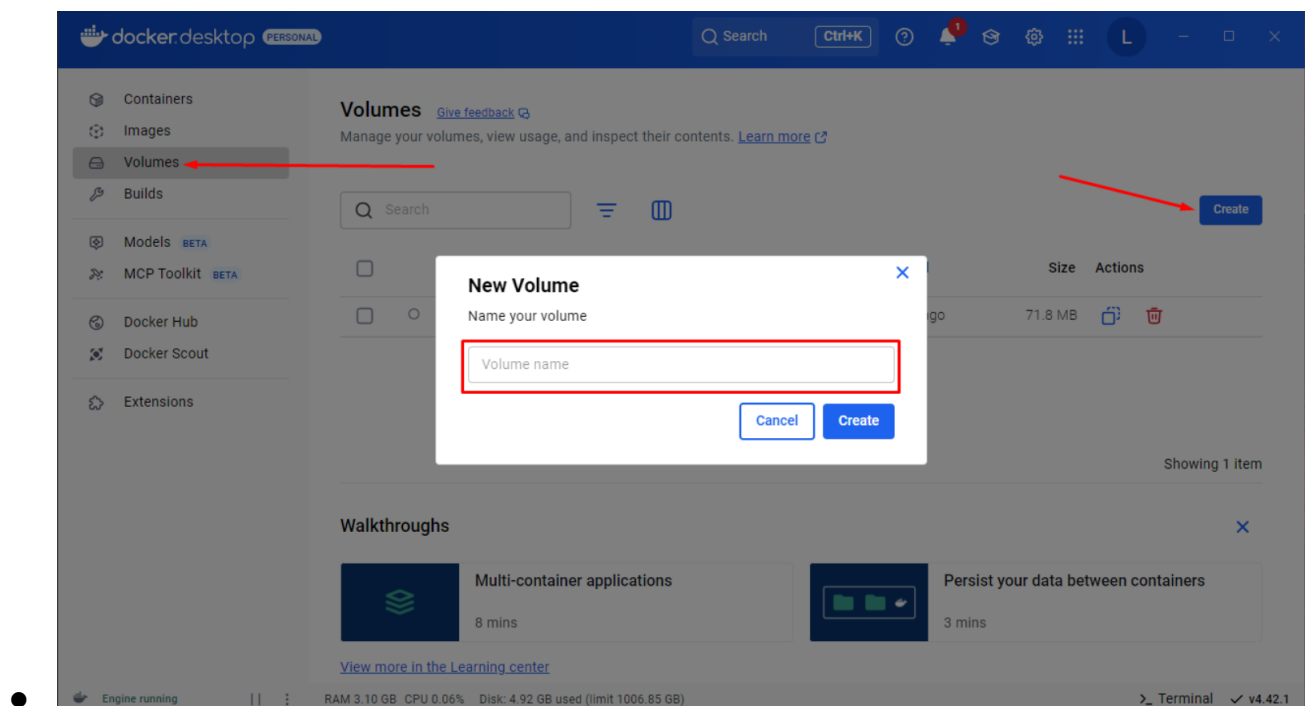
Visual Studio 2022

Docker Desktop

Cloned project repository

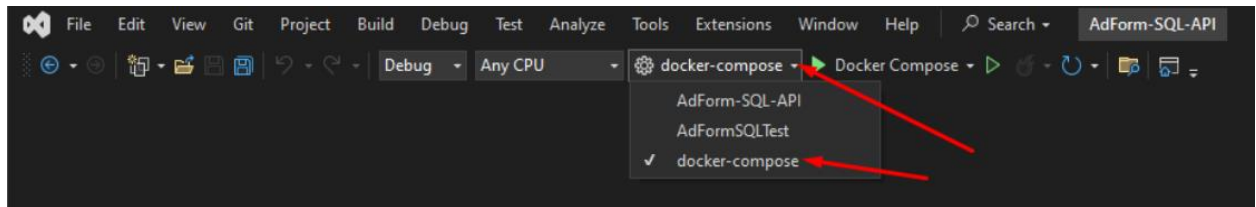
## Docker Desktop setup

- Create a Volume called: AdForm\_API\_PostgreSQL\_volume

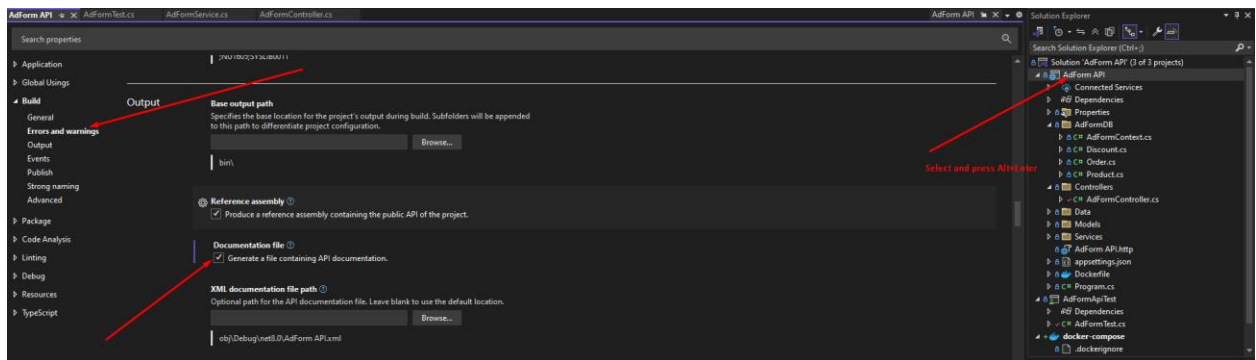


## Visual Studio setup

- 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.

## 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: 'dockercompose1215901', '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
dockercompose1215901	-	-	-	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.