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Quickstart

How to deploy Onyx on your local machine

Requirements

Git

Docker with compose (docker version \geq 1.13.0)

Setup

⚠ The most common source of issues is under-resourcing. Before beginning, check the system requirements [here](#).

Note: This is just one way to run Onyx. Onyx can also be run on Kubernetes, there are provided Kubernetes manifests and Helm charts in the [deployment](#) directory.

1. Clone the [Onyx](#) repo:

```
git clone https://github.com/onyx-dot-app/onyx.git
```



2. Navigate to **onyx/deployment/docker_compose**

```
cd onyx/deployment/docker_compose
```



3. (Optional) [configure Onyx](#)

4. Bring up your docker engine and run:



To pull images from DockerHub and run Onyx:

```
docker compose -f docker-compose.dev.yml -p onyx-stack up -d --pull always
```


Alternatively, to build the containers from source and start Onyx, run:

```
docker compose -f docker-compose.dev.yml -p onyx-stack up -d --build --force-rm
```

This may take 15+ minutes depending on your internet speed.

Additionally, once the images have been pulled / built, the initial startup of the `api_server` may take some time. If you see `This site can't be reached` in your browser despite all containers being up and running, check the `api_server` logs and make sure you see `Application startup complete`.


If you see `Killed` in the logs, you may need to increase the amount of memory given to Docker. For recommendations, check the system requirements [here](#).


 These commands are also used to redeploy if any `.env` variables are updated

5. Onyx will now be running on <http://localhost:3000>.

Generative AI API Key

Note: On the initial visit, Onyx will prompt for a GenAI API key.

 For example, you can get an OpenAI API key at: <https://platform.openai.com/account/api-keys>


Onyx relies on Generate AI models to provide parts of its functionality. You can choose any  LLM provider from the admin panel or even self-host a local LLM for a truly airgapped deployment.

>

Shutting Down

```
docker compose -f docker-compose.dev.yml -p onyx-stack down
```



 add `-v` at the end to additionally delete the volumes (containing users, indexed documents, etc.)

[< Introduction](#)[Resourcing >](#)

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