N-CAPIE Desktop Setup Guide

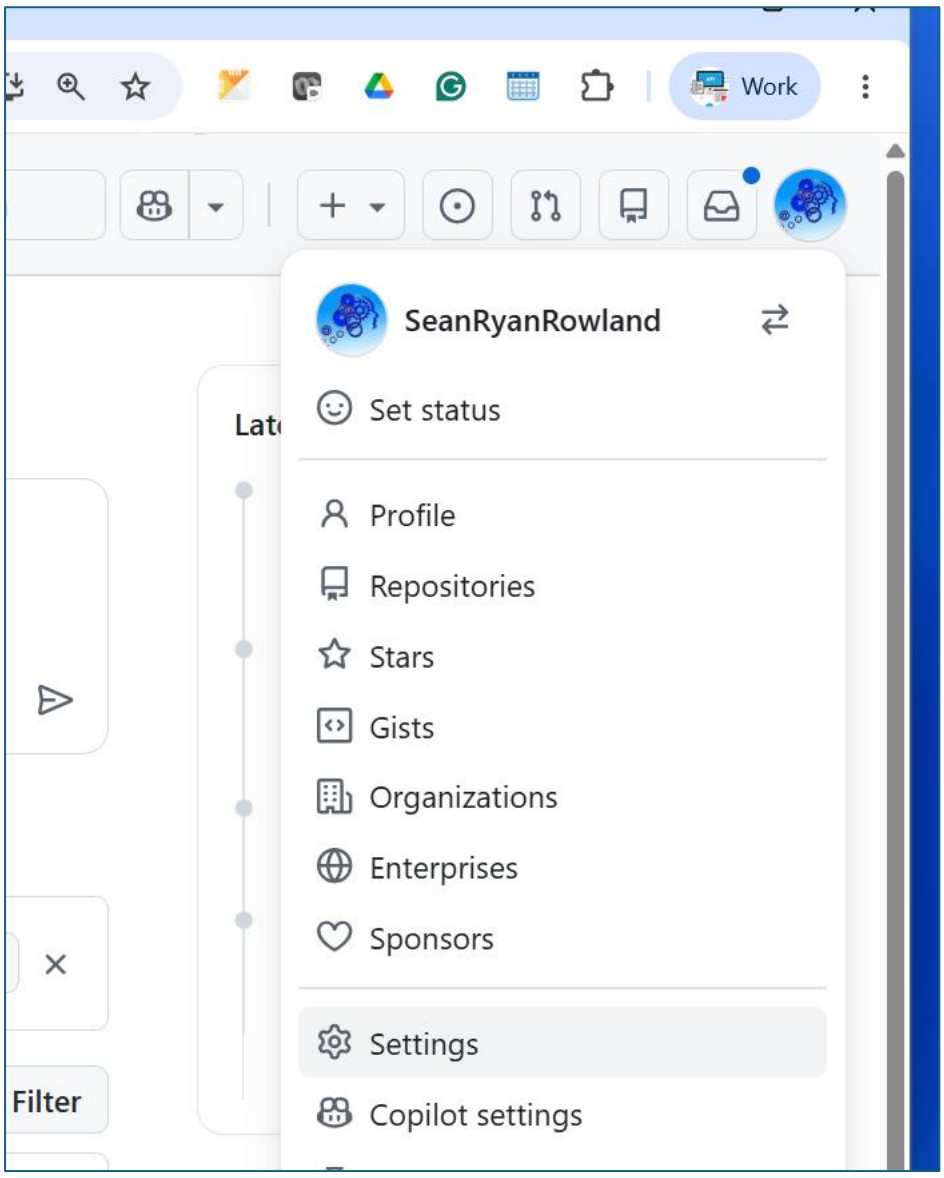
The local containerised version of N-CAPIE uses docker-compose to stand up a full environment to test locally.

To run this setup, users will need to have docker installed. In this guide, we will be using **docker desktop** to demonstrate setting up a new environment.

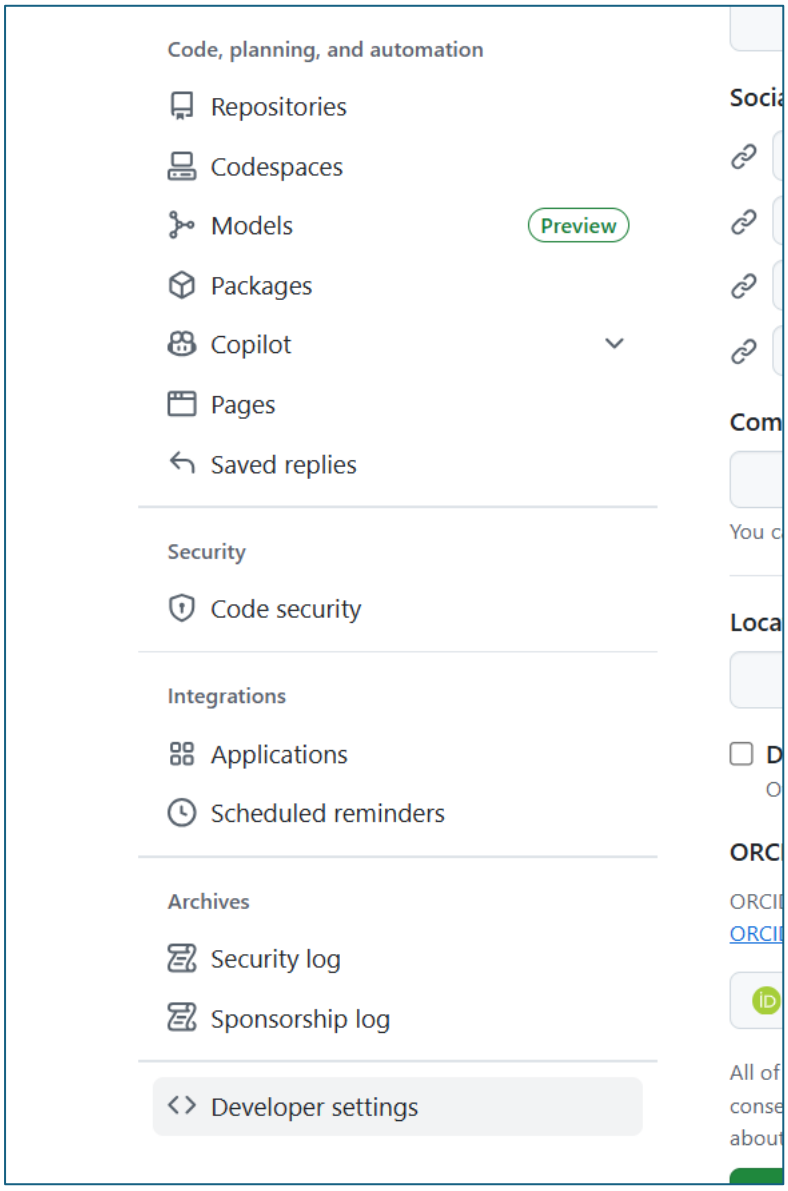
GitHub Personal Access Token

Images are stored in Git Hub Container Repository. To pull these images during setup, users will need to create and provide a GitHub Personal Access Token.

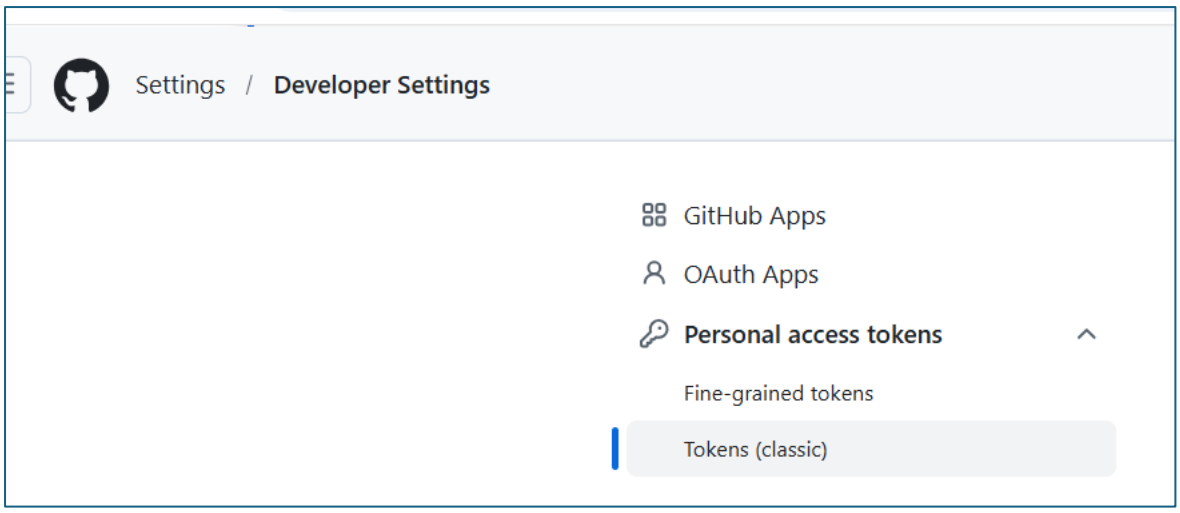
Login to GitHub, navigate to Settings in your user profile menu:



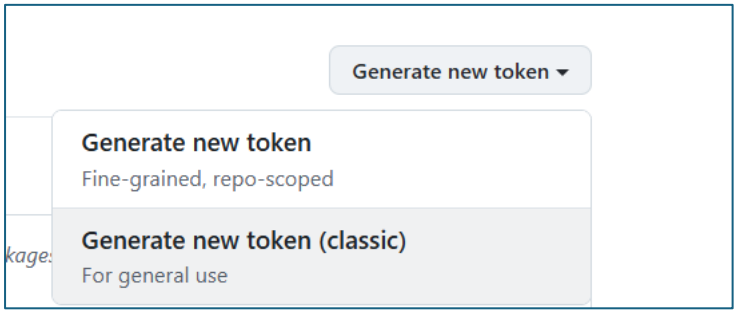
On the settings page, navigate to 'Developer Settings' at the bottom of the left-hand menu:



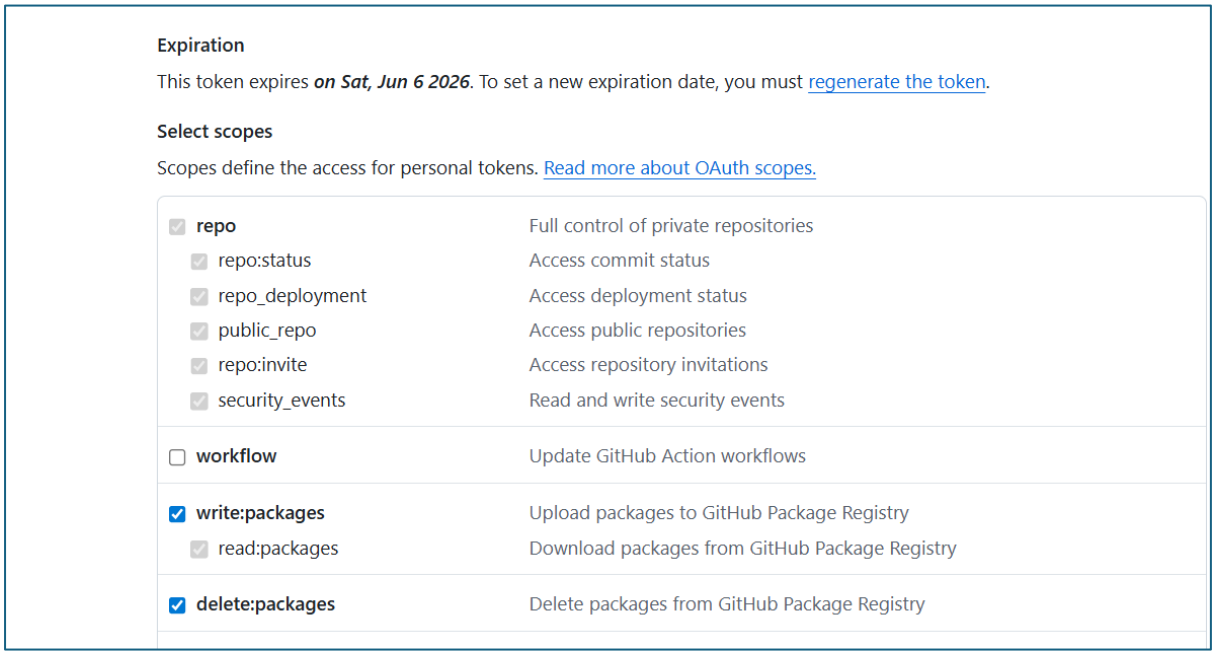
In the developer settings, select 'Tokens (Classic) under 'Personal access tokens':



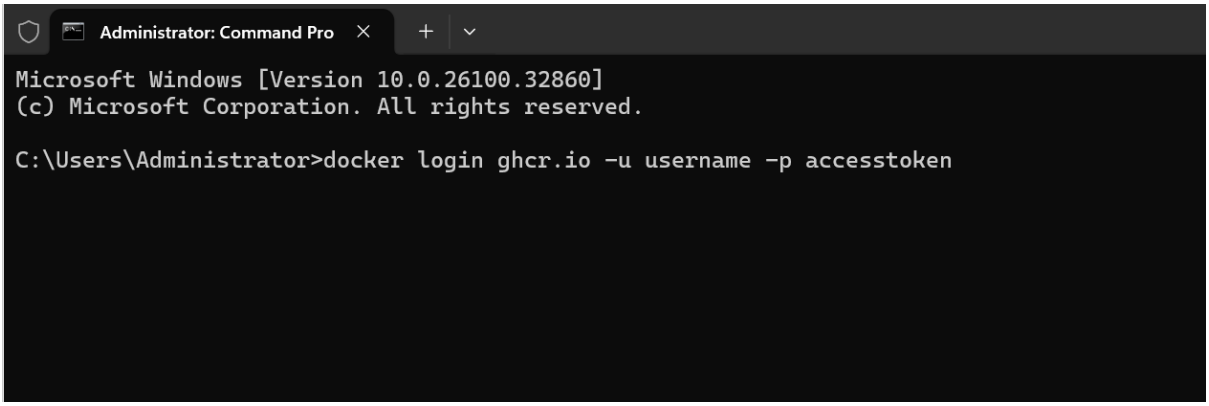
Select 'Generate new token (Classic)



Ensure your token has read and write package permissions:



In a command window, use the following command to login to gchr.io, replacing credentials with your username and access token:



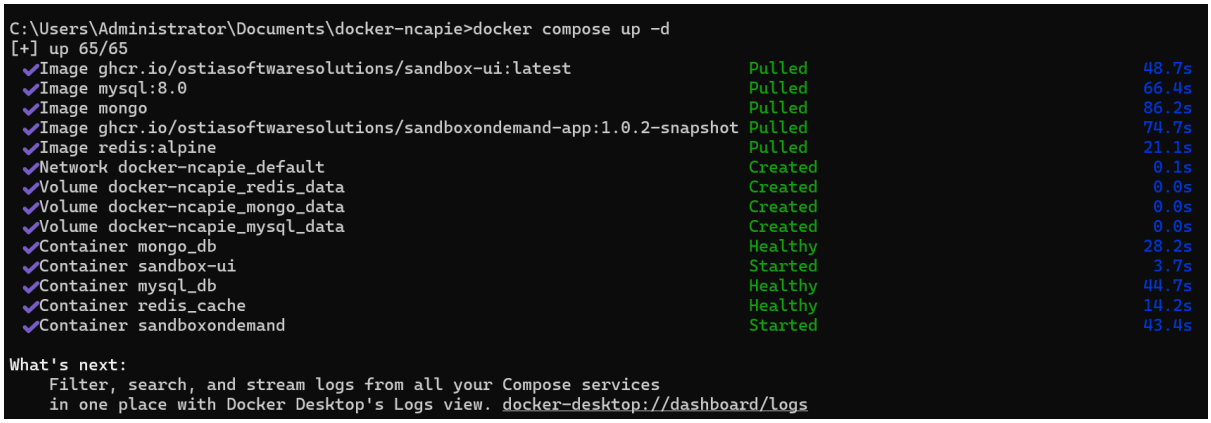
You should receive a success message following the login:

In the command line interface, navigate to the directory containing the docker-compose file and issue the following command to bring up the environment:

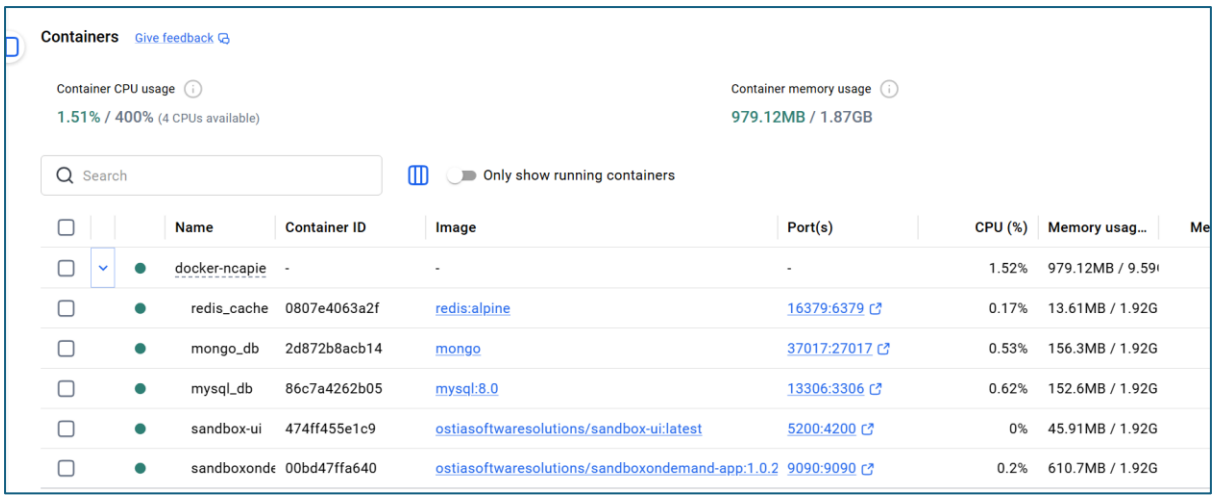
'docker compose up -d'

This command will start the environment in detached mode so the environment will continue to run even if you close the command line terminal.

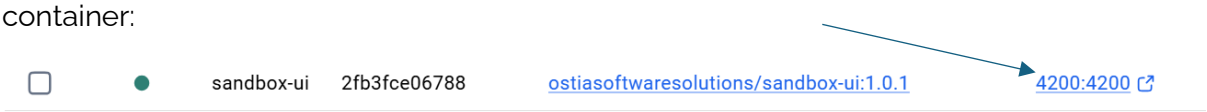
Following this command, you will see the required images being pulled. Once completed, the environment will be up and running on your system.



In Docker Desktop you will now see the images and created containers:

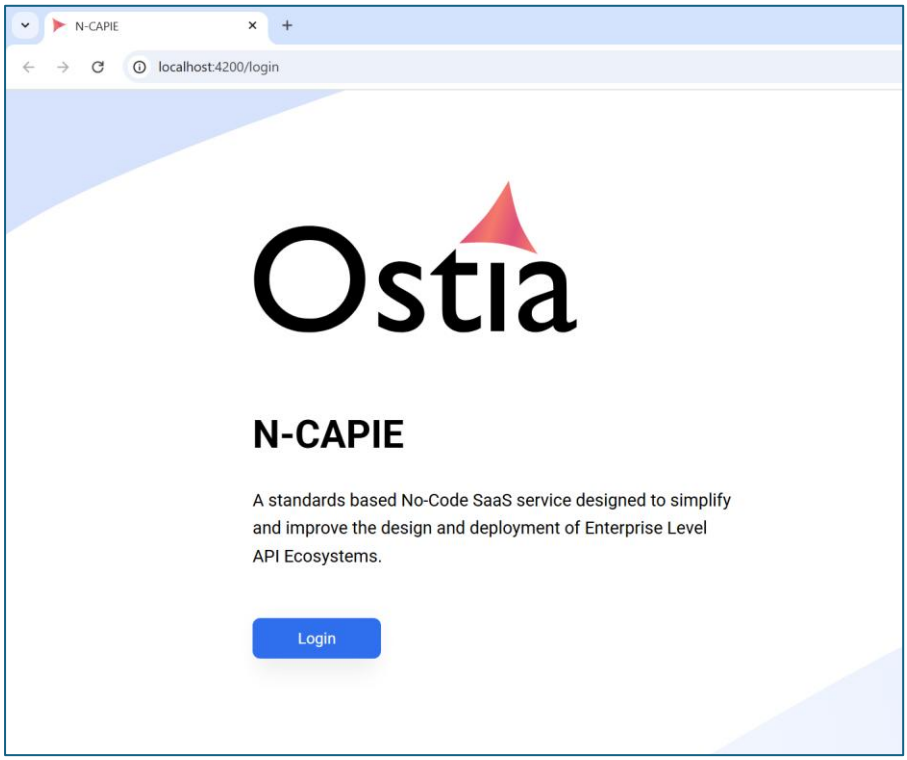


From here, you can access the UI by selecting the link under ports for the sandbox-ui container:



or alternatively directly via a browser via the URL: http://localhost:4200

This will open the UI Login screen.

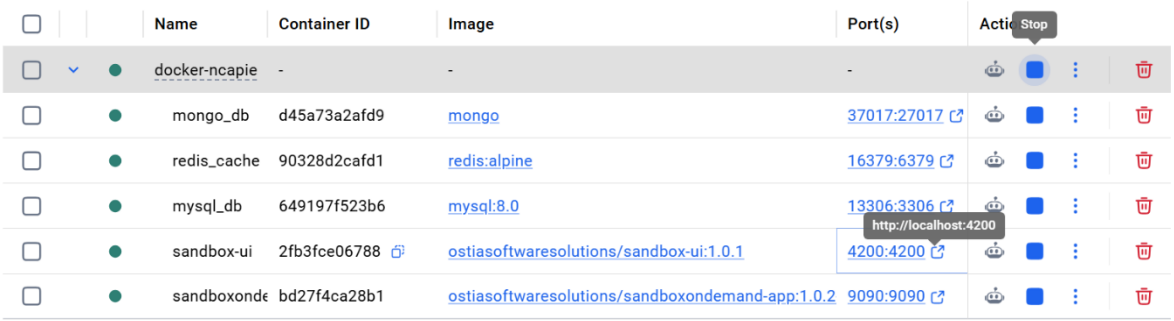


Once you have successfully logged in using the credentials provided, you will have full access to the N-CAPIE environment to begin testing.

We strongly recommend reading through the overviews and working through some of the tutorials provided to get a better understanding of concepts and features available.

Managing the Environment

Following the initial setup, the environment can be stopped / Started and removed with the action buttons provided in the Docker Desktop interface.



Alternatively, you can use the command line to manage the container and images.

If you are not familiar with docker and docker-compose, we recommend the following resources:

Getting Started with Docker Desktop

Docker Compose Overview

Docker Compose Commands