

# SCIOER Student Command Line Interface Guide

The student-cli is a python application for configuring, starting and stopping this container. The student-cli has been created for people who do not wish to interact directly with docker to use the SCIOER containers.

## Installing

---

### Prerequisites

- All of the SCIOER resources require the installation of [Docker Desktop](#)
- Python 3.7 or newer
- Pip (python package manager)

### Install Steps

- Using python3 version 3.7 or greater type `pip install sci-oer` (or `pip3 install sci-oer` if you have two versions of python)
- You may need to update your PATH variable. Read the last bit of the output carefully and follow the instructions.
- You can verify the installation by typing `scioer --help` to see if you get the help output.

## Configuring a course

---

### Prerequisites

- ensure that docker is running
- have the image name and tag of the container easily accessible

### Installation Steps

- To install a course container type `scioer config`
- Follow the prompts to answer the questions
  - It is fine to use the default values for everything except the docker image.
  - When prompted, type or paste the name of the docker image in exactly with no spaces.
  - Example: the docker image for the c-programming container is `scioer/c-programming:W23`
  - make note of the directory that will be used as the mount point when installing so that you can easily find course files

## Upgrading

New versions of the student-cli are released periodically. To upgrade your installation to the latest version type `pip install -U sci-oer`

## Running a course

- Once the course install has finished type `scioer start`. You'll see a message that says 'starting'. It will take a few minutes to pull the image the first time you do this.
- To get a terminal into the container type `scioer shell`.
- To stop the container type `scioer stop`. `scioer start` will restart the container

## Using the OER

---

When the container is running you can point a web browser at the different ports to see your resources. - wiki: (<http://localhost:3000>) - programming language documentation (<http://localhost:8000/docs>) - prerecorded lectures (<http://localhost:8000/lectures>) - interactive tutorials(<http://localhost:8888>)

You can access the files and examples for the course on your host computer by opening the 'course' folder in the directory that was specified during installation.