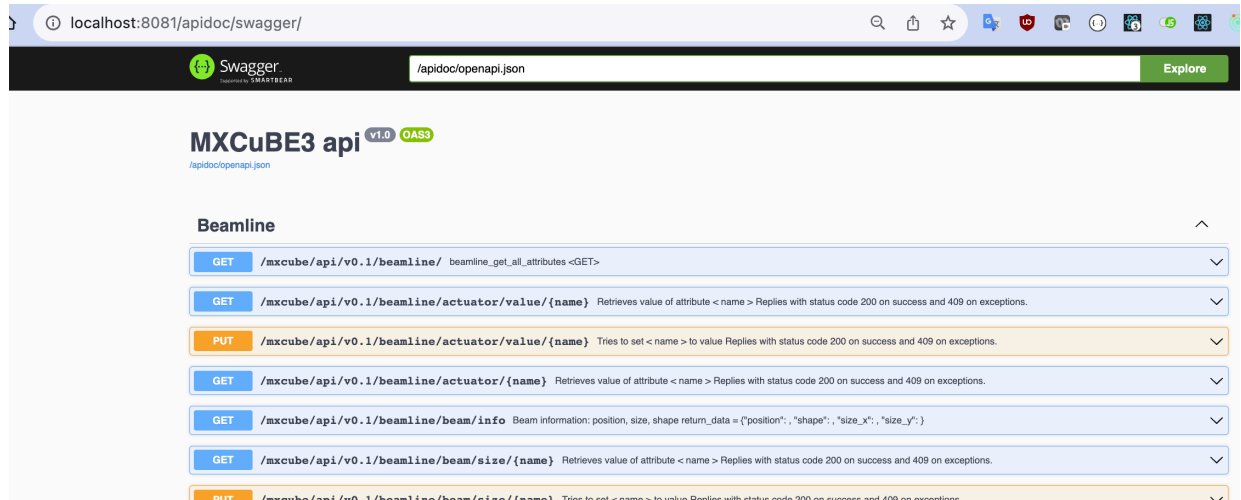# Exercise 1. Setup environment

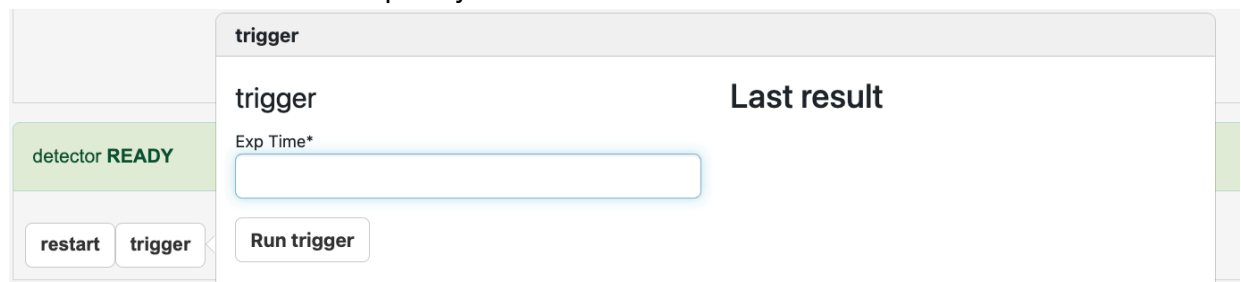Launch web ui, login and play... How to debug, swagger api, browser console…

Exercise 2. Create a new beamline action, and trigger it from the ui

For procedures that are frequently used and involves more than a simple command. Try it out, play with multiple hardware objects

Exercise 3. Add a custom action for the detector and make it appear in the ui (custom equipment tab)

For not so often used or temporary instrumentation commands

Exercise 4. Humidity controller

- Create a new hardware object that emulates a humidity controller; it emits periodically an updated value and the reference value can be changed
- Display this value in the sample view area
- The ui can control the reference