



blissterm: a web shell for BLISS

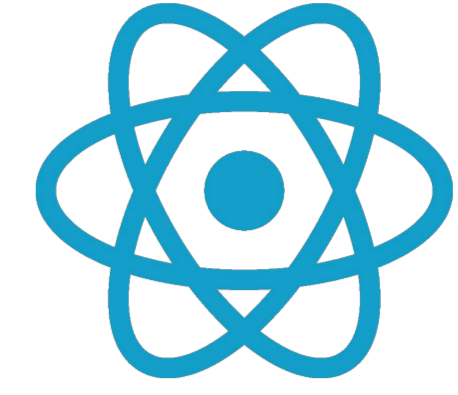
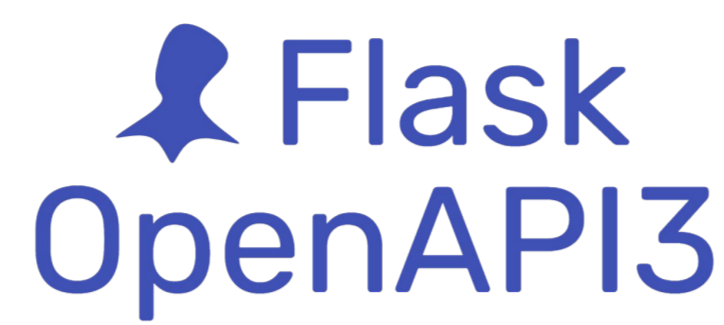


The European Synchrotron

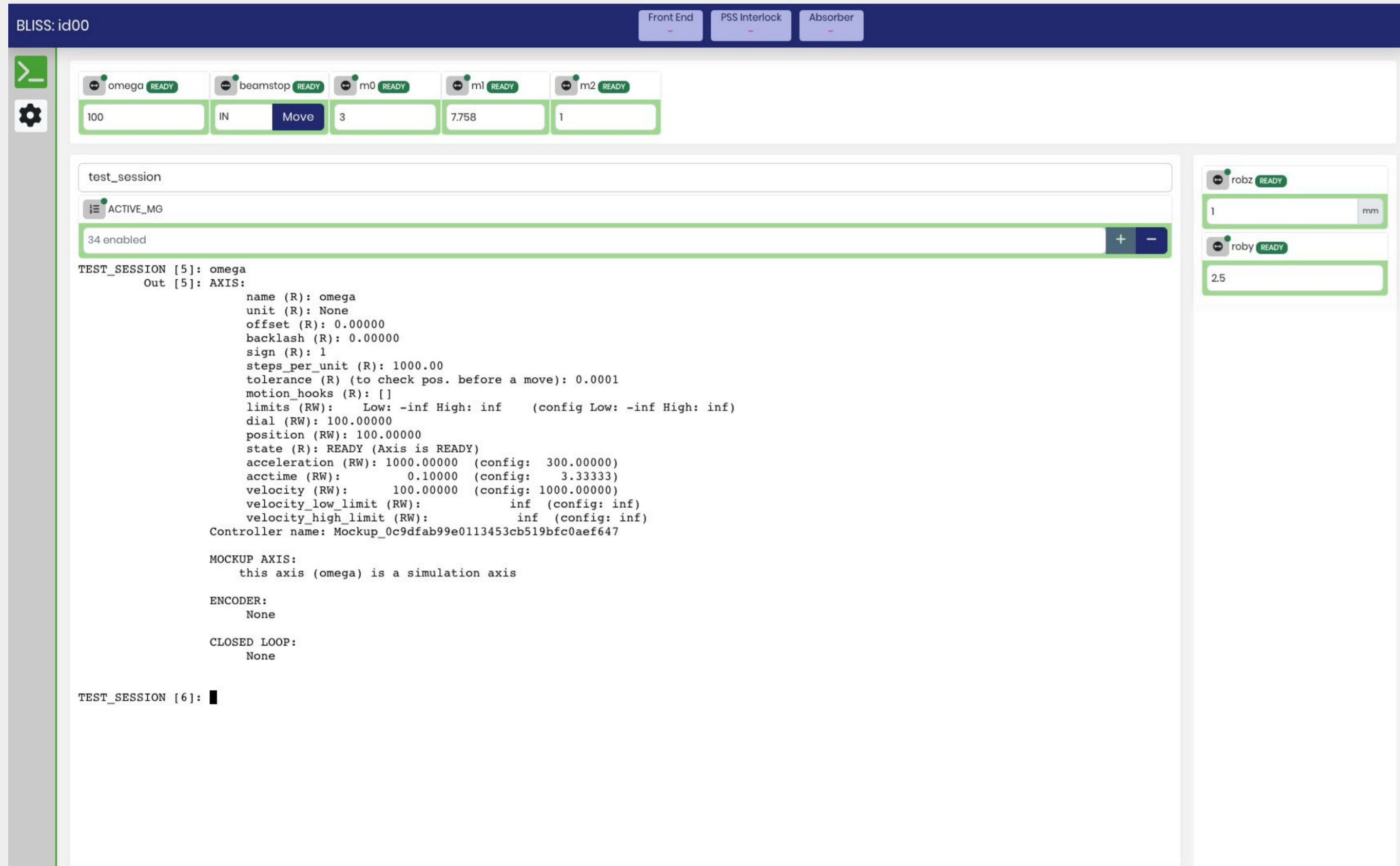
blissterm is a web shell for the BLISS beamline control framework. It provides three fundamental functionalities: Firstly it allows access to the bliss command line via a standard browser (the “web shell”), secondly it allows the creation of simple monitoring user interfaces, and thirdly it provides a REST API which can be used to remotely control BLISS.



blissterm is available in bliss 2.1 onwards

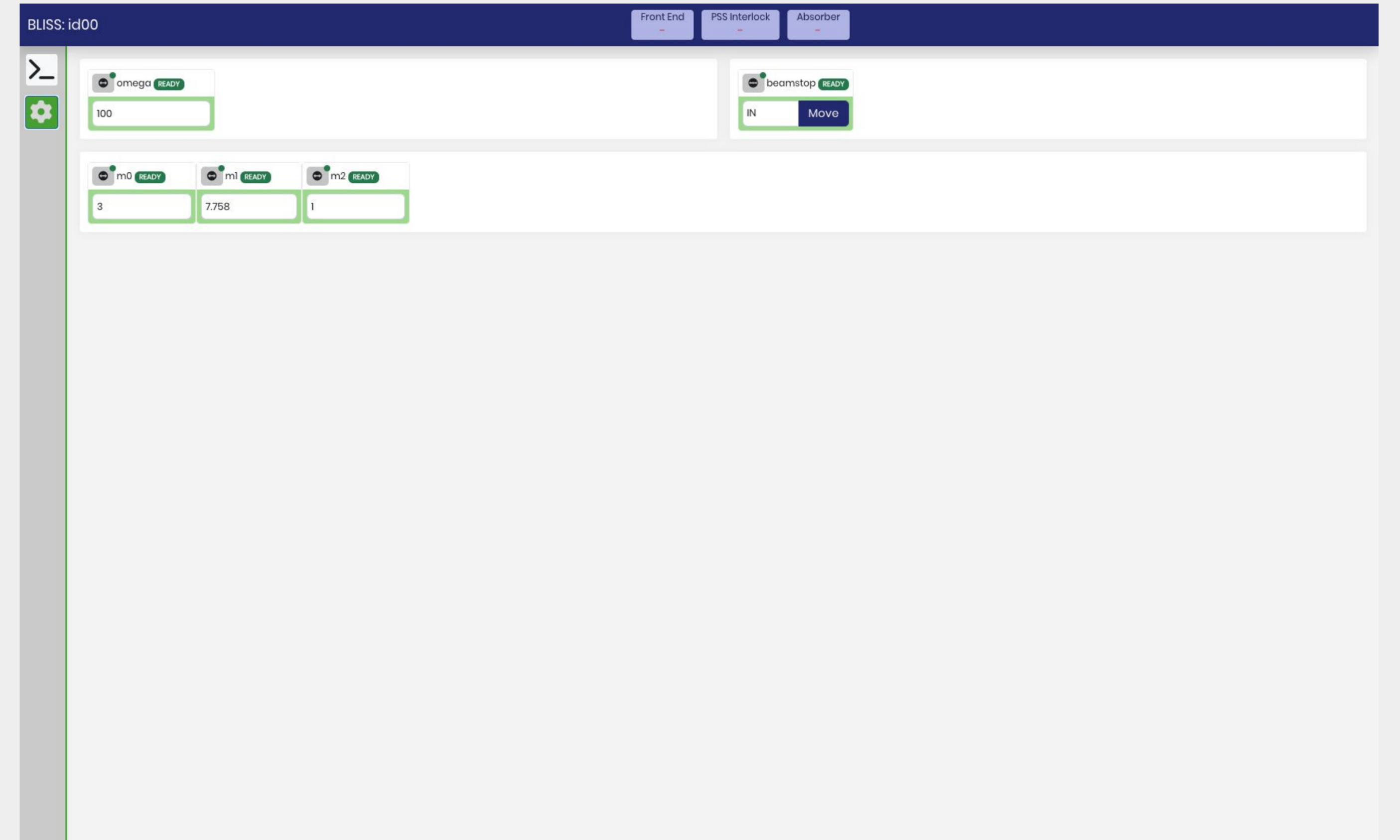


Adorned Web Shell



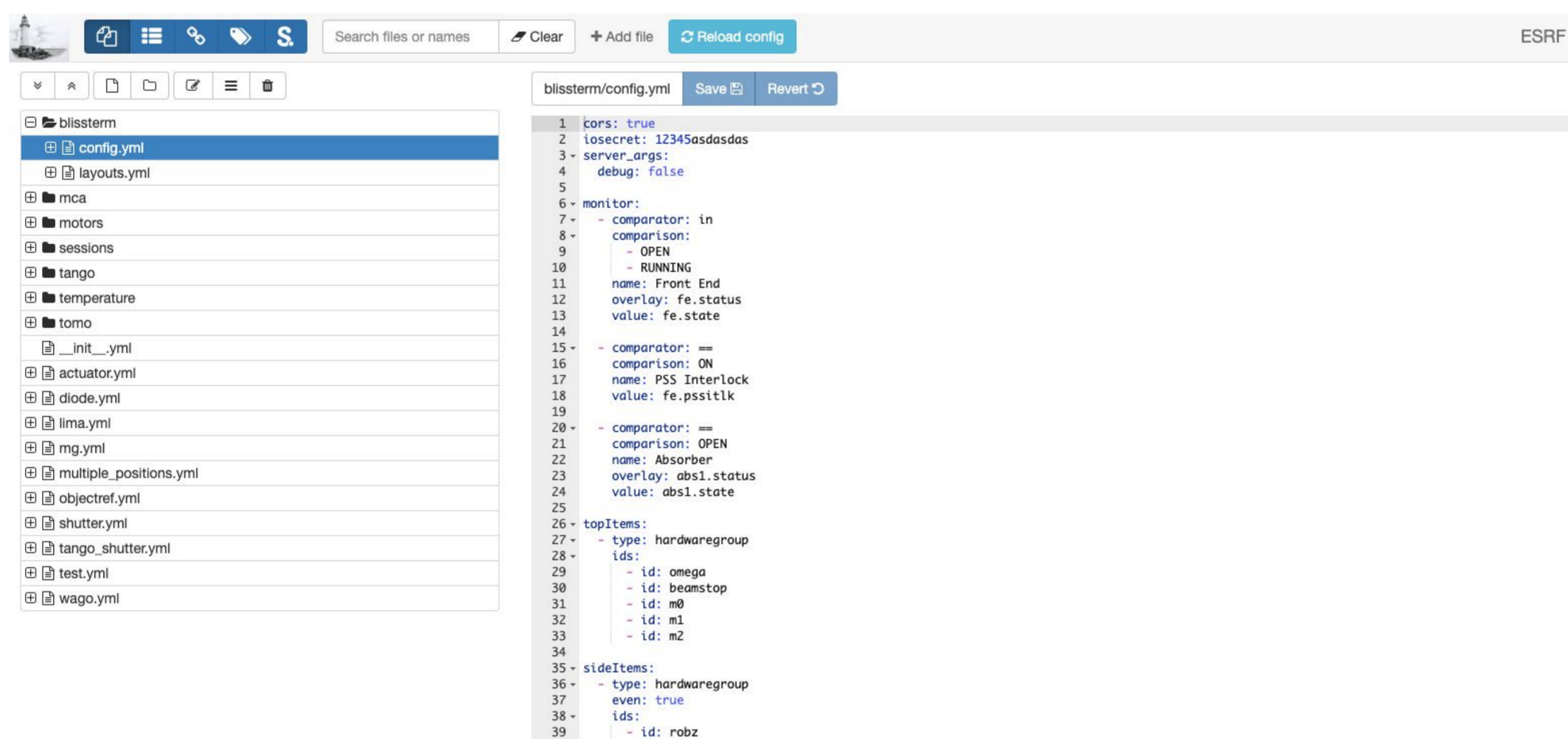
Access BLISS from your browser, with the possibility of adorning the shell with a series of hardware objects, top and right. Monitor vital devices from the top monitor bar, i.e. ring current, PSS state

Monitoring UIs



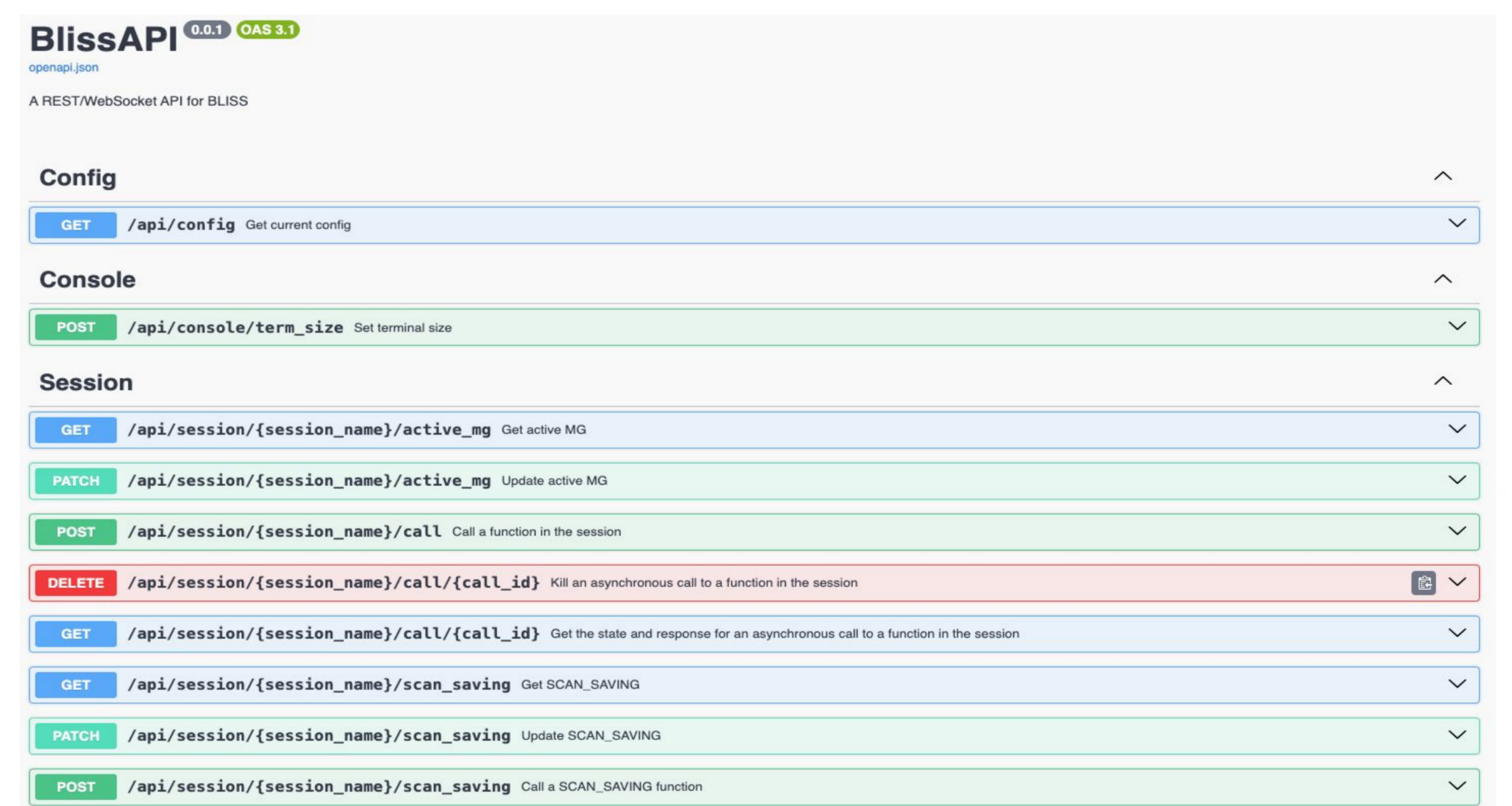
Build dedicated monitoring interfaces by writing simple yaml using the same layout language as daiquiri. Layouts can be constructed with columns, rows, and grids.

Configuration



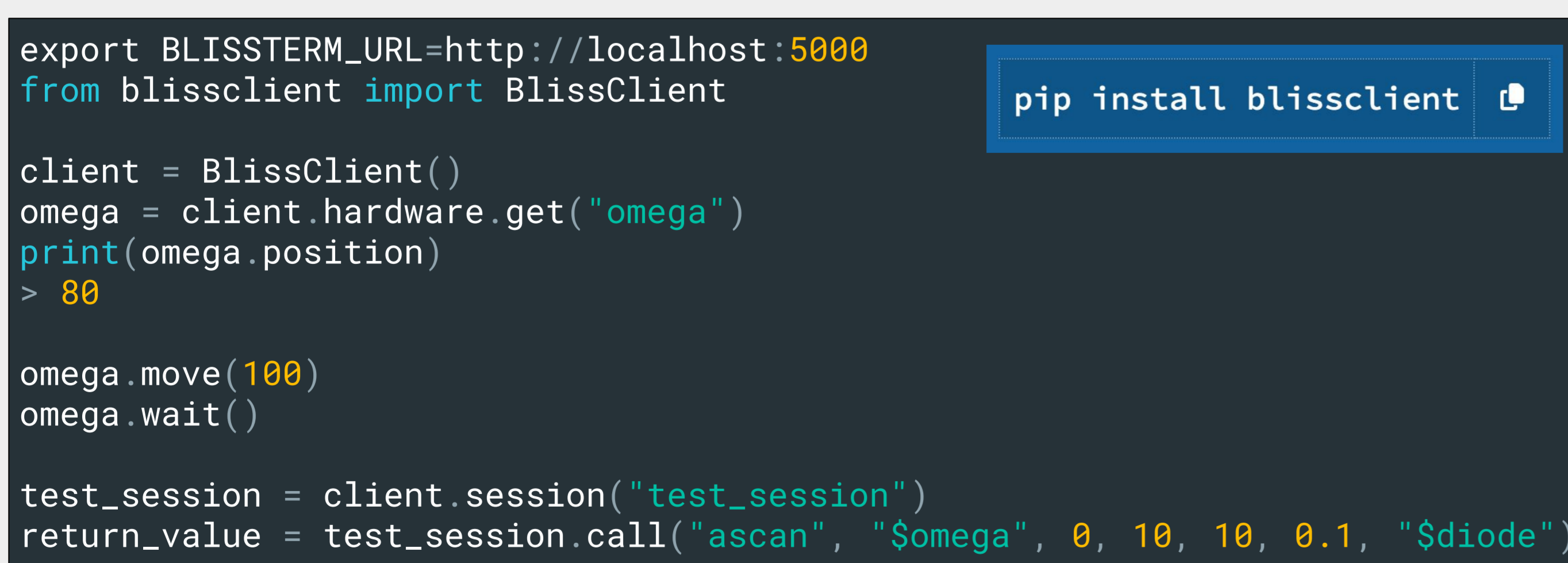
Configure blissterm and create layouts directly within the bliss web configuration utility beacon

REST API



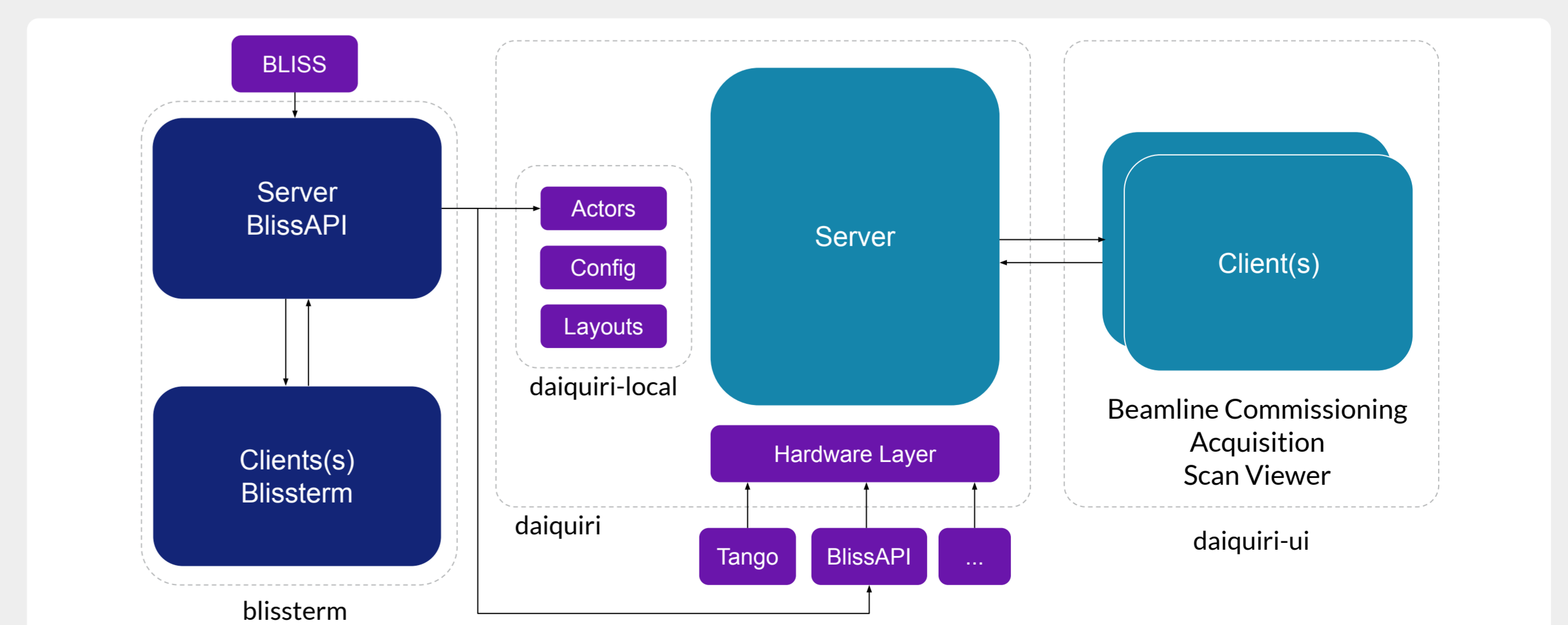
blissterm exposes a REST API which allows remote control of BLISS. The API is automatically documented and validated

blissclient

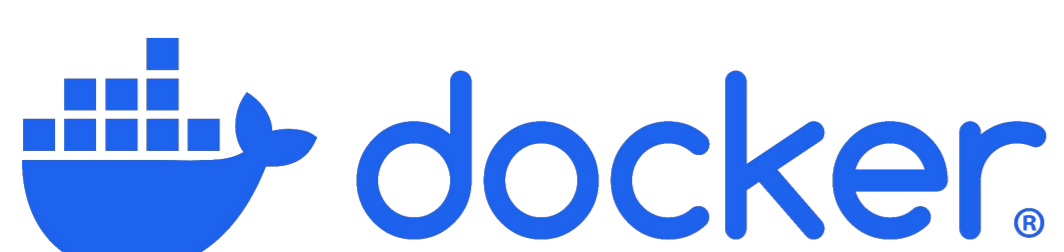


Remotely control BLISS via its REST API using a dedicated python library. The API is designed to resemble the BLISS CLI

Architecture Evolution



The REST API will completely decouple daiquiri from BLISS



hub.docker.com/u/esrfbcu

<https://ui.gitlab-pages.esrf.fr/daiquiri-ui/layout-manager/>
<https://ui.gitlab-pages.esrf.fr/daiquiri-landing/>
<https://ui.gitlab-pages.esrf.fr/daiquiri-ui/daiquiri-lib>
<https://gitlab.esrf.fr/bliss/blissclient>



Shared daiquiri UI components. Use and contribute to our open source component library: @esrf/daiquiri-lib