



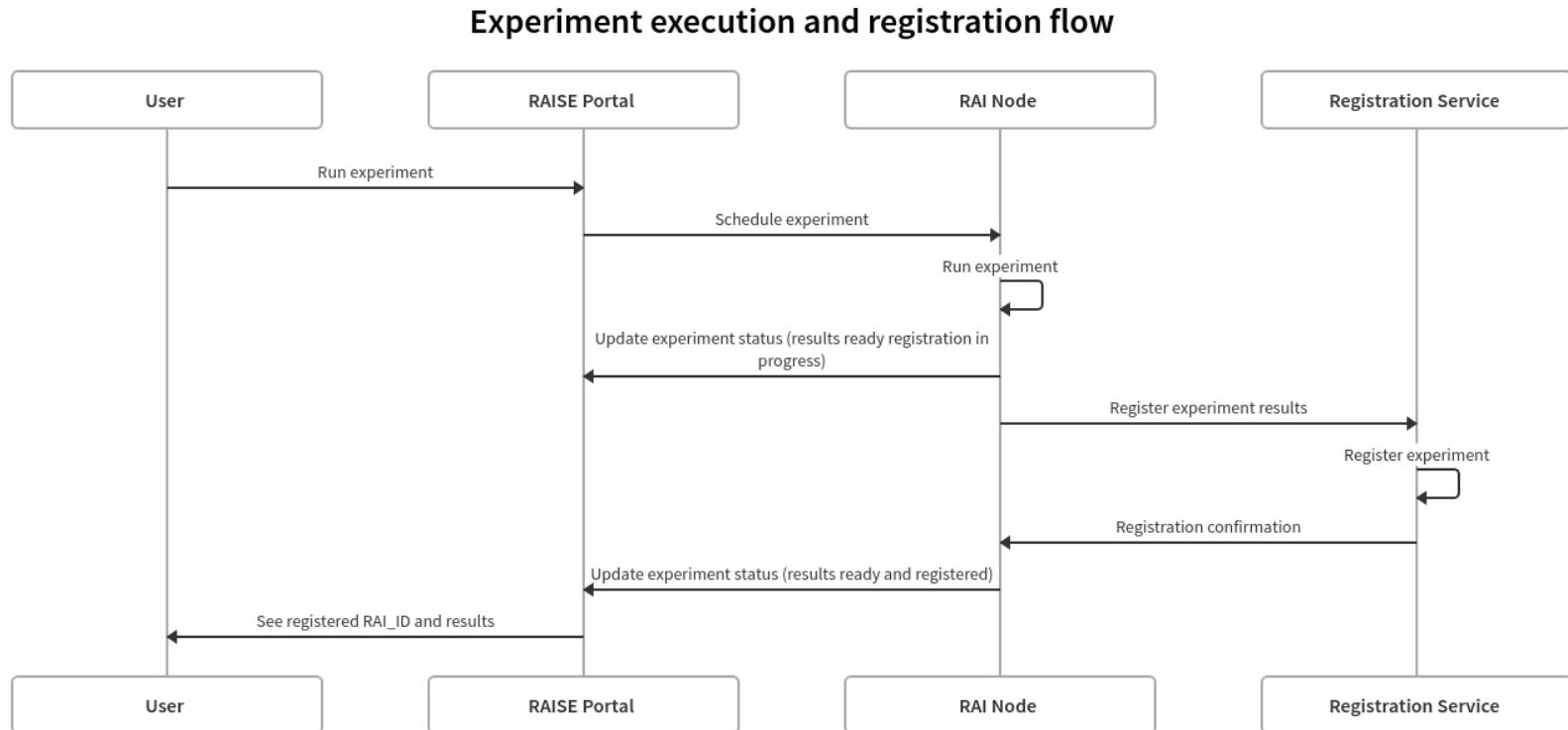
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Experiment Execution and Registration Methodology

VICOM

raise-science.eu

Experiment execution and registration flow



MADE WITH [swimlanes.io](#)

Experiment status update in the RAISE portal

- This endpoint is called from the RCN to the RAISE Portal every time a experiment status is updated in the node (runned, registration in progress, registered...)
- Endpoint
 - <http://panel.raise-science.eu/api/experiments/status>
- Parameters
 - experiment_id
 - status
 - rai_id (Optional): it is only sent when the registration is successful

- Status codes
 - **0**: Processing script results ready and registered.
 - **1**: Processing script results ready, registration in progress.
 - **2**: Processing script results ready but not registered. Blockchain connection error!!
 - **3**: Processing script results not obtained. Invalid processing script or syntax error!!
 - **4**: Environment creation error or Timeout error in the execution of the experiment. Try again...
 - **5**: Code analysis in progress...
 - **6**: Code analysis failed.
 - **7**: Code analysis finished successfully. Executing the experiment

Experiment registration in the Registration service

- Called from the RCN to the Registration Service when an experiment has been successfully executed with valid results.
- Endpoint
 - <https://raise-registration-service.wita.care/api/v2/registration/experiment-run>
- Parameters
 - Json body presented in next document:
https://docs.google.com/document/d/1lFByH3jm139qFkW1dAD3rcfwA6hZmSN_NhS8hKdKeE/edit?usp=sharing

Experiment registration confirmation

- Called from the Registration Service to the RCN when an experiment has been successfully registered with a RAI_ID.
- Endpoint
 - https://{{node_root_url}}/register_processing_script_results/confirmation
- Parameters
 - experiment_id
 - rai_id
 - register_request_id (Optional)
 - status_code (Generated and returned with the registration service)

Additional resources

- API documentation of the available RCNs
 - VICOM: <https://rcn.vicomtech.org/docs>
 - AUTH: <https://rcn-dev1.raise-science.eu/docs>
 - UoWM: <https://raicn.ithaca.ece.uowm.gr/docs>
- API documentation of the RAISE portal
 - <https://panel.raise-science.eu/docs/>
- API documentation of the Registration Service
 - <https://raise-registration-service.wita.care/docs>