

FG2 call – 15/11/2021





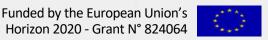
Development updates

- eOSSR new release
- Container image guidelines
- eOSSR registry
- Open discussions



eOSSR library

- ESCAPE OSSR library.
 - Code: https://gitlab.in2p3.fr/escape2020/wp3/eossr
 - Documentation: https://escape2020.pages.in2p3.fr/wp3/eossr/
 - CI documentation, examples and code snippets
 - Centralises all the developments, packages and tools developed within the WP3.
 - It also put together all the issues and open discussion that were generated in (already archived projects!)
 - ESCAPE metadata template
 - Codemeta2zenodo
 - ZenodoCl





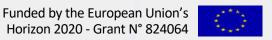


eOSSR library

- Last stable release v0.3.3 https://zenodo.org/record/5592584
- What's new: A major update of the eOSSR library.
 - Simplifies upload to the OSSR with a unique script
 - Introduces eOSSR logo
 - Record representation based on record ID only, improves its print info
 - Handle lists in OSSR search kwargs
 - Solve lowercase issue in OSSR search kwargs
 - Introduces global HTTP errors handling
 - Improve documentation (notebooks are run live, clearer docstrings)
 - Include OSSR statistics in documentation
 - Update README with install and cite instructions

OSSR dev updates - E. Garcia

- Bugfix of versions 0.3, 0.3.1 and 0.3.2 (typos, zipping of subdirectories)
- Lightee Docker container







OSSR container image's policy and guidelines

First proposal. Add it to the ossr-pages. Iterate and build from it;

Container image guidelines

Using an unversioned 3rd party image as the base for a container makes the resulting container image dependent on what the upstream 3rd party put in the latest version of their container. Thus, making the container unlikely reproducible in the close future.

E.g; FROM continuumio/miniconda3

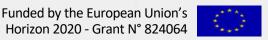
To make a container image reproducible we strongly recommend to follow the following recommendations;

The FROM statement should include the full registry URL

E.g; FROM docker.io/continuumio/miniconda3

2. The FROM statement should reference a specific version of the base container

E.g; FROM docker.io/continuumio/miniconda3:4.10.3p0

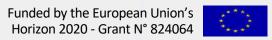






OSSR registry

- Idea: Registry of base containers to be used by users and ESAP
- Where: gitlab escape2020/wp3/ossr-registry subgroup
- First demonstrator with project ossr-autobuild-registry:
 - auto-build a docker container for each record in the OSSR
 - using repo2docker
 - Steps:
 - list records in the OSSR
 - list images already in the registry. Built images are identified by the unique record id.
 - build missing images and add them to the registry
 - build doc page listing and linking OSSR records and registry images
 - Nightly build to stay up to date







OSSR registry

- Ideas to go further:
 - Build muti-project containers: e.g. dark-matter container
 - Allow user to build their own containers
 - start a project in the ossr-registry group
 - build your image using gitlab CI or push directly to the registry using tokens
 - add a README with description that can be read to centralise things







Open discussions

Container guidelines

OSSR registry

