

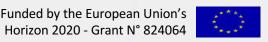
FG2 call - 15/09/2021





Containerisation guidelines

- The Gitlab-Zenodo connection supports the building and addition of containers into OSSR entries.
 - https://gitlab.in2p3.fr/escape2020/wp3/eossr/-/tree/master/examples/CI code snippets
- Guidelines don't make any reference to containerisation.
 - Already discussed within WP3 and raised in the template project (Issue 11).







Created 20 hours ago by R Dave Morris

Close issue

Dockerfile is not reproducible



Using an unversioned 3rd party image as the base for this container makes the resulting container image dependent on what the upstream 3rd party put in the latest version of their container.

FROM continuumio/miniconda3

The OSSR should publish a policy for creating reproducible containers.

The FROM statement should include the full registry URL

FROM docker.io/continuumio/miniconda3

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

FROM docker.io/continuumio/miniconda3:4.10.3p0

3. The FROM statement should reference base container in a repository maintained by an EU funded provider, not a commercial organization

Should the OSSR maintain a registry of base container images for participants to use?



Proposal: Start extending OSSR guidelines

With a specific section about containerisation:

Guidelines and rules of participation to the ESCAPE OSSR.

Containerisation

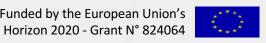
- Provide reproducible recipe files.
 - The base image from which the container/image initialises should:
 - Include the full registry URL. 1.
 - Reference a specific version of the base container.

Ex:

Correct: FROM docker.io/continuumio/miniconda3:4.10.3p0

Incorrect: FROM continuumio/miniconda3

OSSR containerisation guidelines - E. Garcia





Ongoing discussion: Container's metadata

- Neither Codemeta nor schema.org have clear schema/properties to describe containers.
 - An attempt of extending Schema.org (Sep 2018); https://github.com/schemaorg/suggestions-questions-brainstorming/issues/114
 - OSSR discussion/WIP on how to extend the codemeta schema:
 - https://gitlab.in2p3.fr/escape2020/wp3/eossr/-/issues/36
 - and how to add container information to the metadata file
 - https://gitlab.in2p3.fr/escape2020/wp3/eossr/-/issues/34

