

Create Specific Docker Instance Based on Existing Configuration File

Description

Following the upload of the dataset, SNC files, and the OCDX manifest, a new Jupyter Hub instance is created to house the project. The instance is based on the user providing a configuration file that represents the user's local development environment.

Functional Requirements

Button to push to launch Specific JupyterHub Instance

Technical Requirements

Back end version control for the scripts
Disk space for storage of data (possibly large data sets)
Jupyter Hub Installation
Docker Installation Working, public web server

Primary Actors

Reserachers Students Data Scientists

Pre Conditions

Dataset, SNC Files, and OCDX manifest have been successfully uploaded and the technical environment is running

Main Success Scenario

Specific Jupyter Hub instance is created and displaying dataset, SNC files, and OCDX manifest

Failed End Condition

New Jupyter Hub instance fails to be created and/or dataset, SNC files, and OCDX manifest are not displayed

Trigger

User pushes 'Create Specific Jupyter Hub Instance' button

Dependent Use Cases

Upload Dataset
Generate OCDX Manifest