CERN HSF GSOC 2018

Petabyte-Scale Cloud Storage File Manager

Exercise for Candidate Students

Task 1: Create a Vue.js application

The goal of this exercise is to create a Vue.js application that can browse and upload and dowload files to an ownCloud Web Server. For the task, the student has to to deploy an ownCloud server, being the most straightforward way to deploy it using the ownCloud Docker.

The application will use the ownCloud JS library for communication with the ownCloud server.

The application has to be able to browse the files stored into the ownCloud server and being able to upload and download single files.

For the evaluation of the task, we ask the student to provide a zip archive with all the client side code or a GitHub repository with intructions of how to build the application.

The student can use the CSS framework of his choice and creativity will be a plus.

Task 2: PWA-ing the Vue.js application

This task consists of improving the previous application to make it a Progressive Web Application.

For the evaluation of the task, we ask the student to provide a zip archive with all the client side code or a GitHub repository with intructions on how to build the application.

The application will be audited using the Lighthouse tool for the PWA score.