UCloud - eScience at RUC
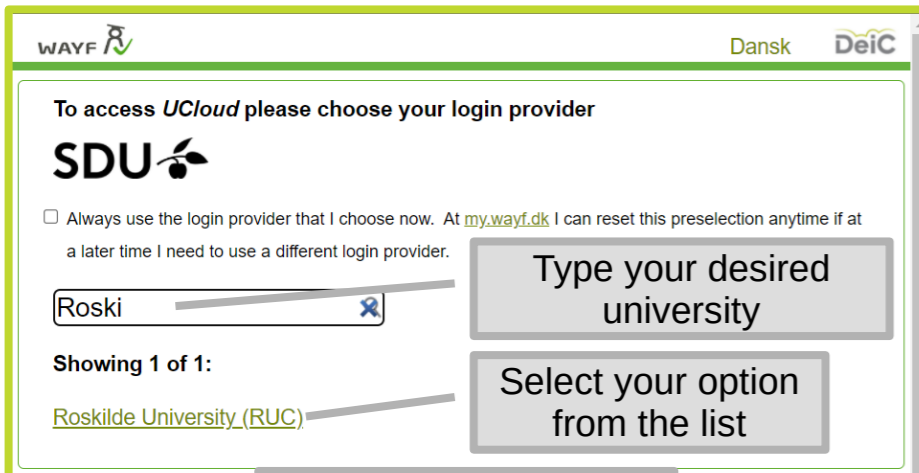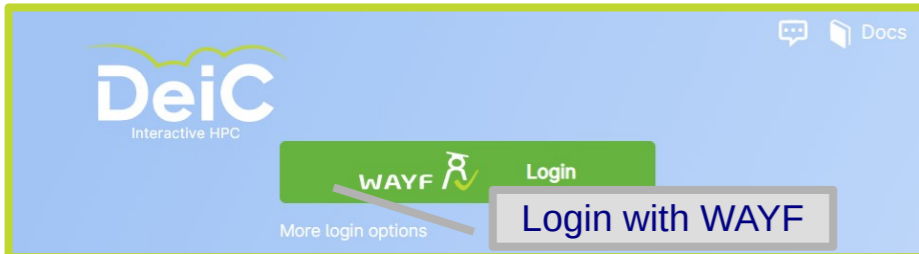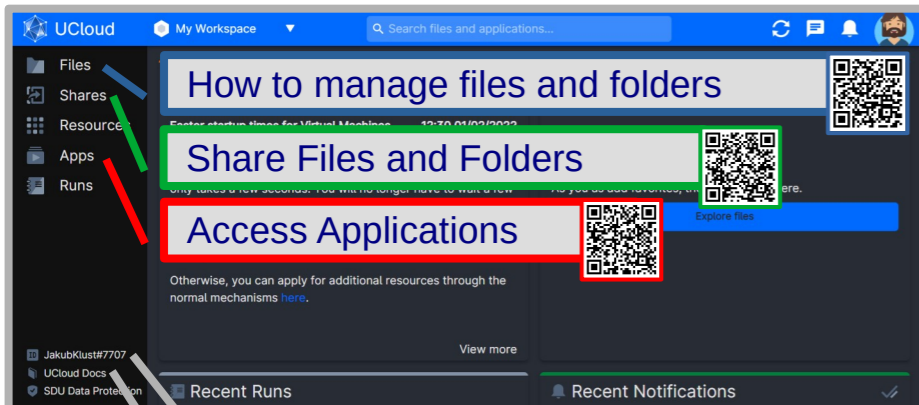
This page provides a quick overview of the High Perfomance Computing (HPC) platform offering links with details and tutorials from the main UCloud documentation. The guide covers sections: Files, Apps and Submit a job. It show how to upload data, run a simple application and access output data. Each user has resources worth 1000DKK and additional resources can be obtained through "Apply for resources" button on main page.

The main documentation: https://docs.cloud.sdu.dk

The main page: https:cloud.sdu.dk

Login with WAYF

Type your desired university

Select your option from the list

Check content above and continue with OK

The User Interface of the main page

How to manage files and folders

Share Files and Folders
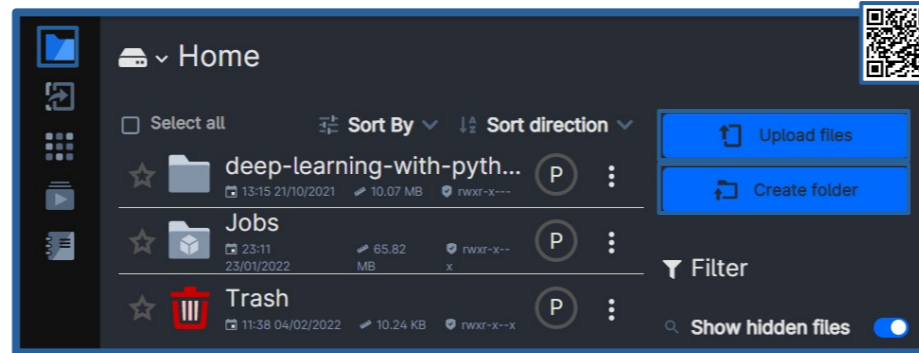
Access Applications

Copy user ID by a single click

UCloud documentation

**Files:** to explore the filesystem of the selected project in the top menu (My Workspace).

Navigate to the **Home** drive and click on it.

The Upload files button opens a drag and drop box allowing the transfer of files from your local storage to UCloud. Folders can be created on the domand by Create folder button.

**Apps:** to browse all the available applications and add them to a list of favorites for easy access.

The Search box allows the user to search for files and applications based on the currently open UCloud page. Type a keyword, press enter and select a desired category to see the list of matches.
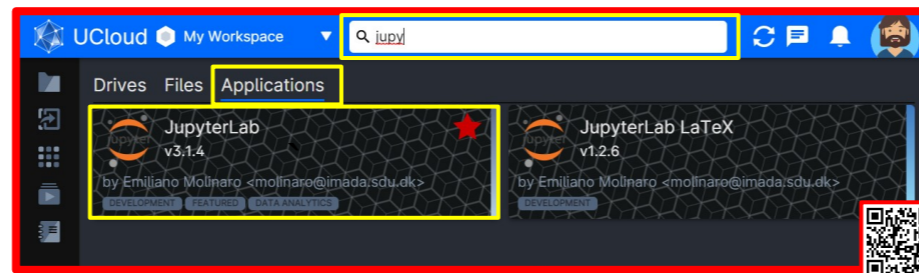

A detailed application description is presented after clicking on the application card.
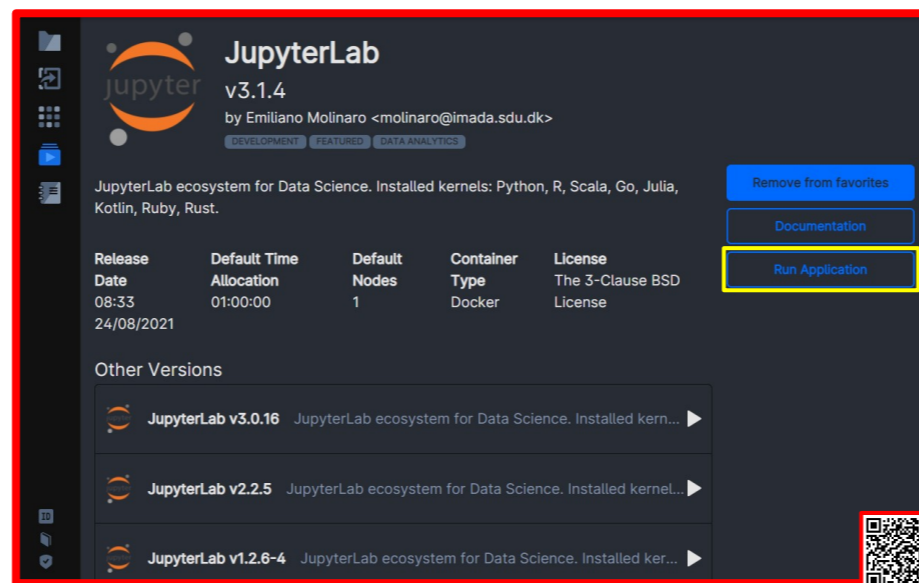
The Run Application button opens the setup menu for a new job.

Submit a job: the job parameter values must be set: Job name, Hours, Minutes, Machine type (start with a low performent configuration and scale up). The **Additional folder** paramter works similarly to a mount and the selected folders will be accessible through **/work/** directory as a permanent storage of the job instance. Press the **Submit button** to run the job instance.
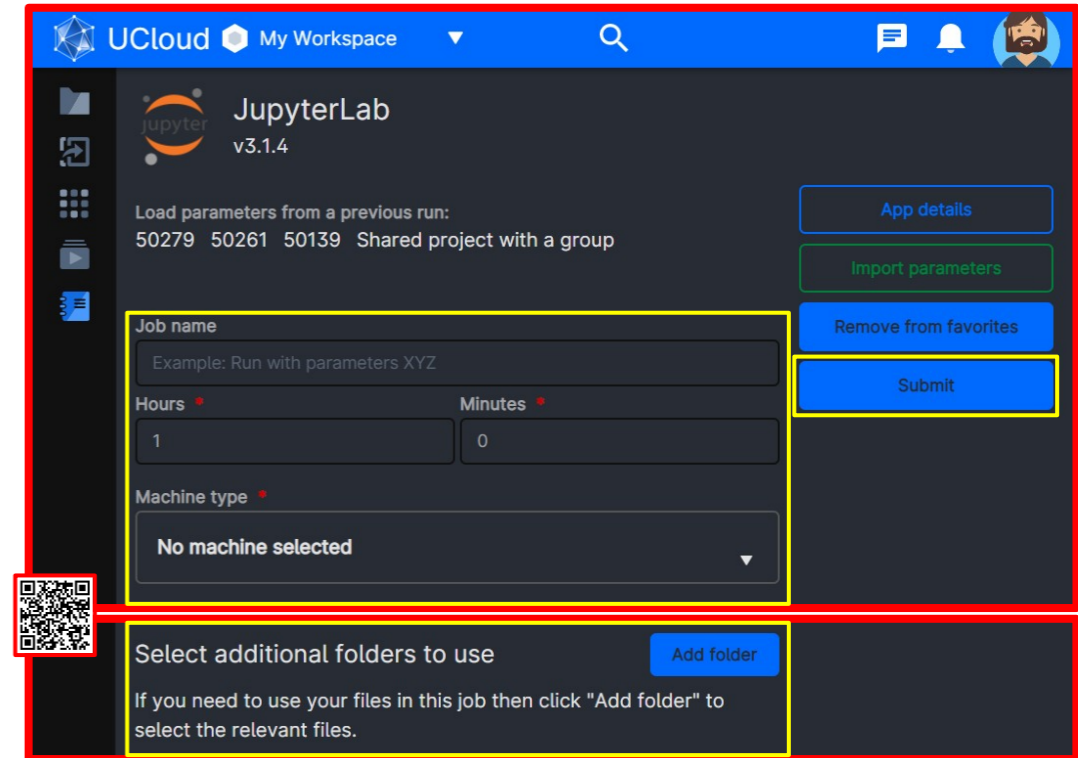
The resources are used as far as the job is running. "Open terminal" and "Open interface" allow interaction with the running job instance. Job allocation time can be extended and manually stopped (press and hold).
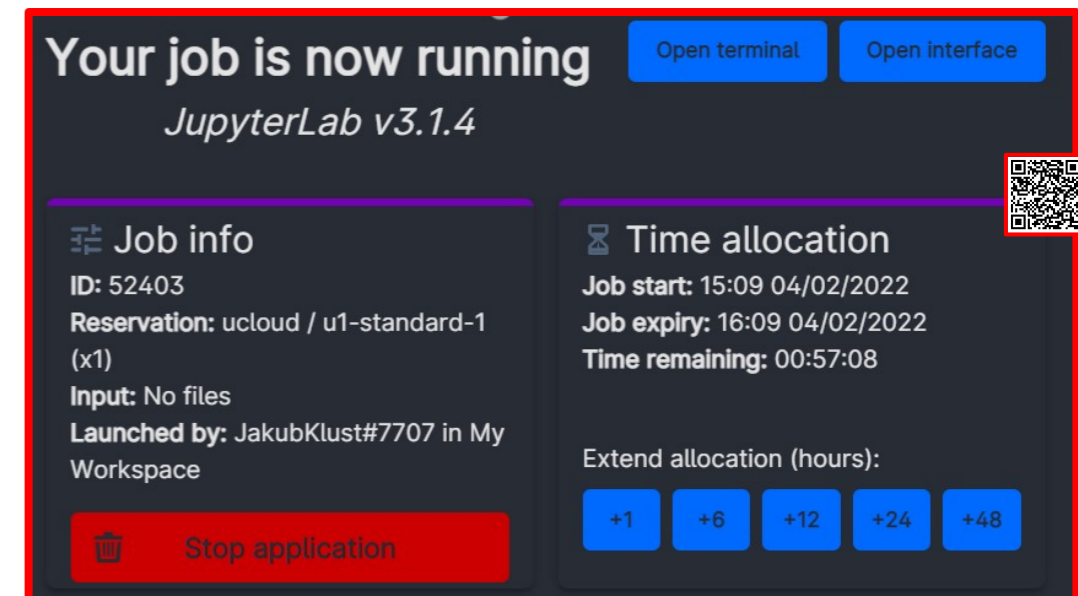
When the job ends ONLY files stored in the **/work/** directory will be saved in the **Home** drive under **Jobs**, <**Application name**> and <**Job name**>. User can run the job again and load previous parameters. Job's environment can be initialized by a script to reduce repetative actions.