

- 1 Navigate to <https://cloud.sdu.dk/> and click "Login"

## Integration Portal




WAYF  Login

Other login options →


2 Click the "Søg her" field.

For at få adgang til *UCloud* skal du vælge din institution

**SDU** 

[Copenhagen Business School](#)

Før mig fremover direkte til loginsiden for den institution som jeg vælger nu. På [my.way](#) jeg senere får brug for at vælge en anden institution.



**Viser 100 ud af 5417:**

[A'Sharqiyah University](#)

[Aeres](#)


[Al Buraimi Vocational College](#)

[Albaha University](#)

[AMOLF / ARCNL](#)


[Austrian Federal Ministry of Education, Science and Research](#)

3 Start typing and click "Copenhagen Business School"



[Copenhagen Business School](#)

Før mig fremover direkte til loginsiden for den institution som jeg vælger nu. På [my.way](#) jeg senere får brug for at vælge en anden institution.



**Viser 7 ud af 7:**

[Copenhagen Business School](#)

[Hotel- og Restaurantskolen](#)

[IT-Universitetet i København](#)

[KEA – Københavns Erhvervsakademi](#)

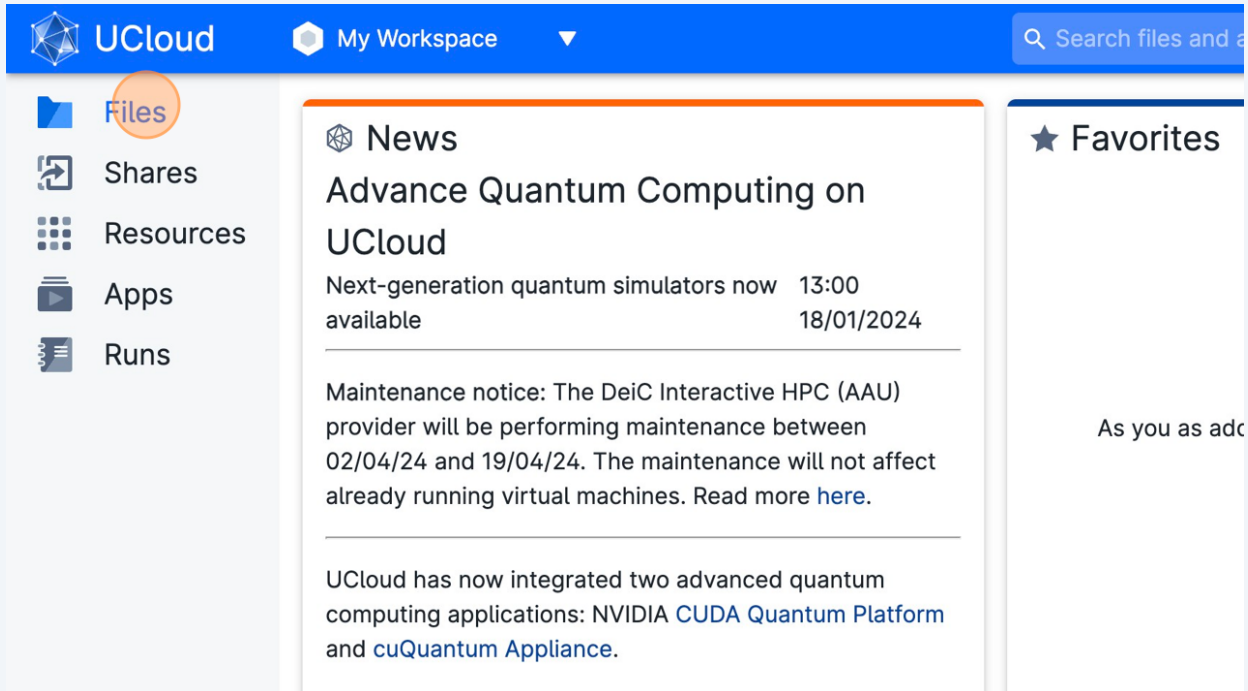
[Københavns Professionshøjskole](#)

[Københavns Universitet](#)

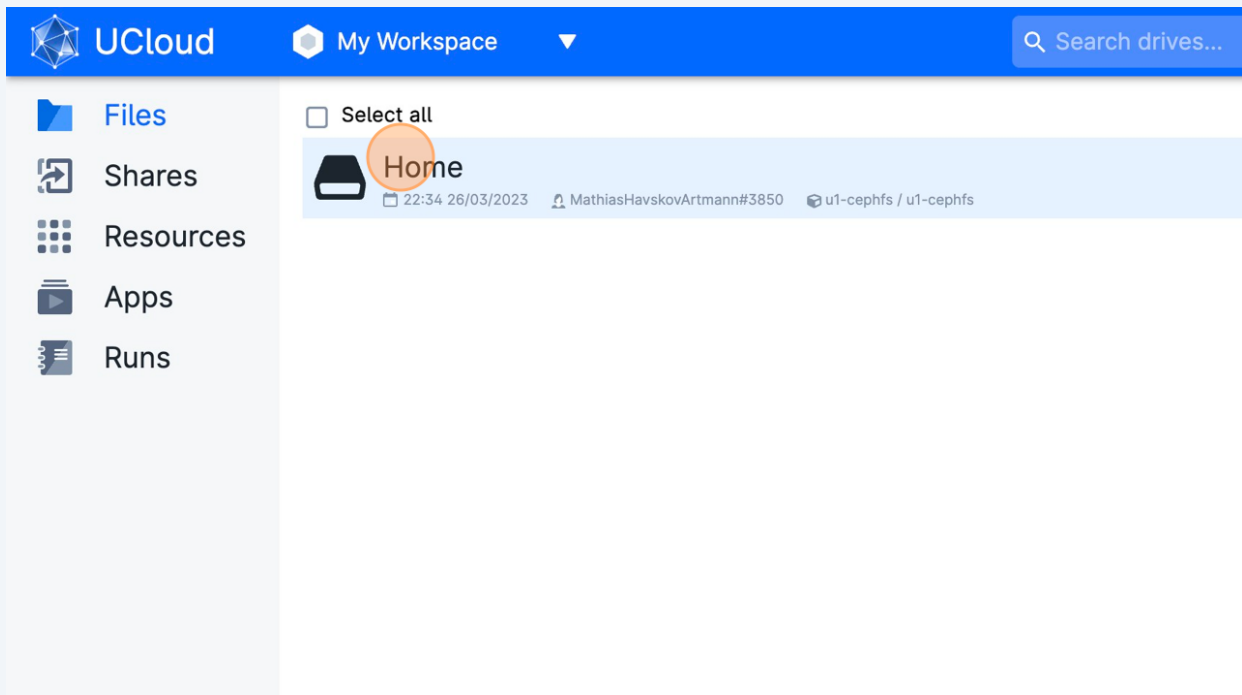
[Maskinmesterskolen København](#)

4 Login with your CBS credentials

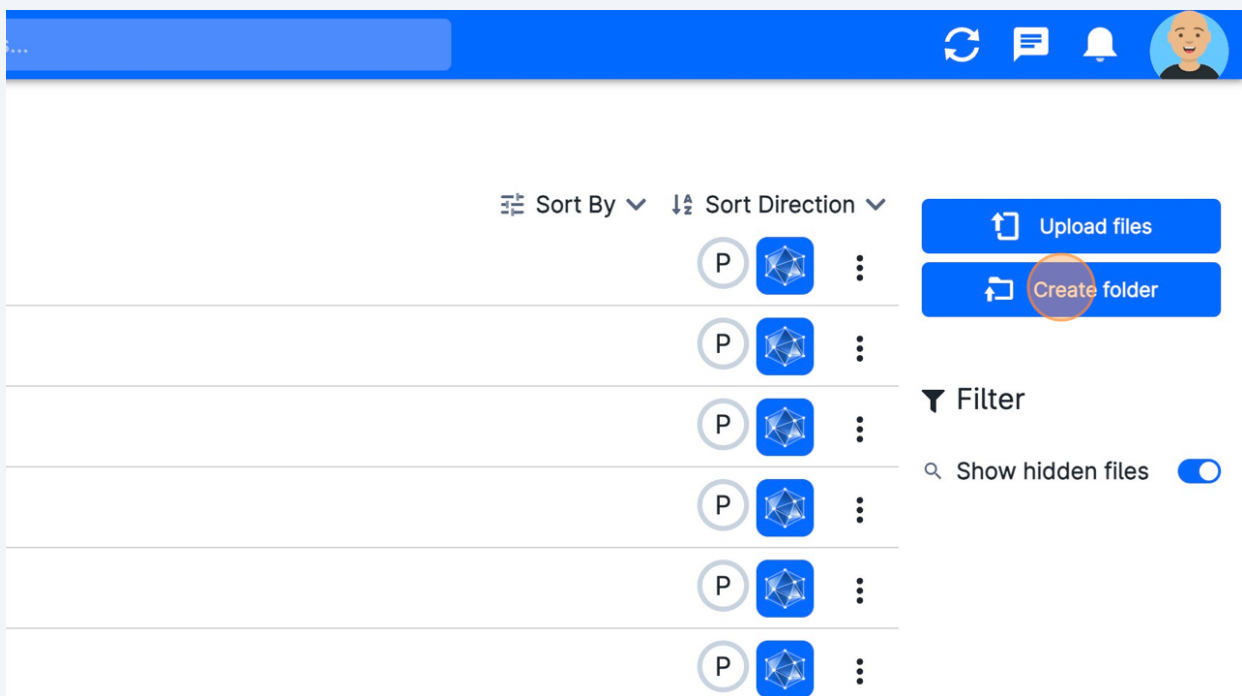
5 Click "Files"



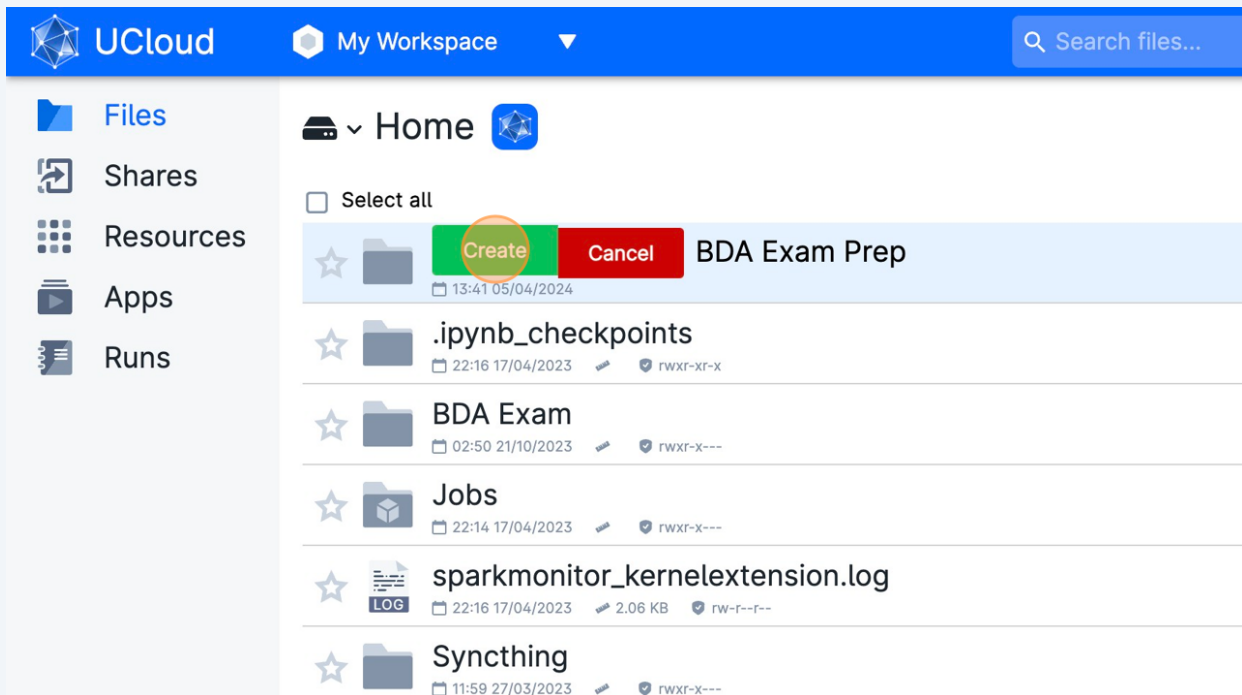
6 Click "Home"



7 Click "Create folder"

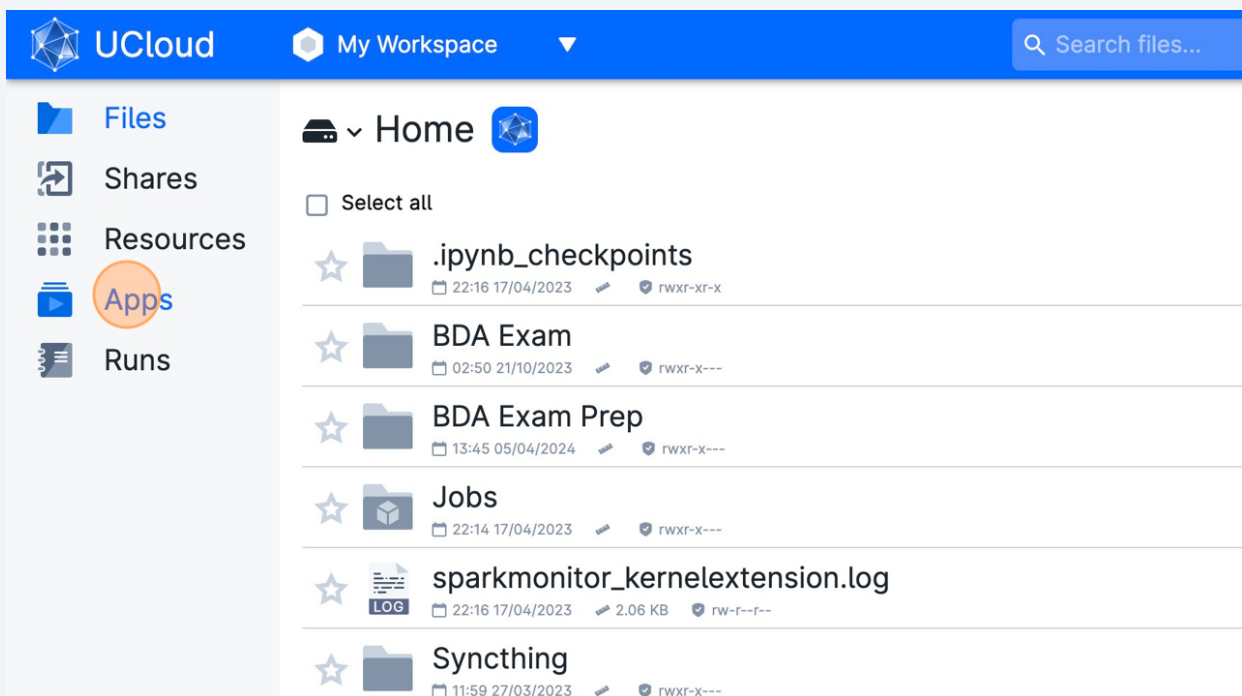


8 Enter folder name and click "Create"



The screenshot shows the UCloud interface with the 'Home' directory selected. A dialog box is open over the 'BDA Exam Prep' folder, with a green 'Create' button highlighted by a red circle. The dialog also features a red 'Cancel' button. The folder list includes: Home, .ipynb\_checkpoints, BDA Exam, Jobs, sparkmonitor\_kernelextension.log, and Syncting.

9 Click "Apps"



The screenshot shows the UCloud interface with the 'Apps' menu item in the left sidebar highlighted by a red circle. The main content area displays the 'Home' directory with a folder list that includes: Home, .ipynb\_checkpoints, BDA Exam, BDA Exam Prep, Jobs, sparkmonitor\_kernelextension.log, and Syncting.

10 Under the section "Data Analytics" click "Show All"

UCloud My Workspace Search applications...

Files Shares Resources Apps Runs

**Data Analytics** Show All

- ANSYS 2023.R2 by Ansys, Inc. ENGINEERING
- ANSYS Electronics D... 2023.R2 by Ansys, Inc. ENGINEERING
- COMSOL 6.2 by COMSOL Inc. ENGINEERING APPLIED SCIENCE
- Robot Opera 2.0-dashing by Emiliano Molinaro <mi... ENGINEERING APPLIED SCIENCE
- Apache Superset 3.11 by Maxime Beauchemin/Airbnb Development T... FEATURED DATA ANALYTICS
- Charticator 2.2.0 by Microsoft Research Team DATA ANALYTICS
- Dalton Project experimental by https://doi.org/10.1063/1.5144298 DATA ANALYTICS
- Dash 2.16.1 by Chris Parmer FEATURED DATA ANALYTICS

**Quantum Computing** Show All

- CUDA Quantum Platf... 0.6.0 by NVIDIA Quantum Computing FEATURED QUANTUM COMPUTING
- cuQuantum Appliance 23.10 by NVIDIA Quantum Computing FEATURED QUANTUM COMPUTING

**Social Science** Show All

- NetLogo 6.4.0 by Uri Wilensky SOCIAL SCIENCE
- oTree 5.10.4 by Daniel Li Chen, Martin Walter Schonger, Chr... SOCIAL SCIENCE FEATURED
- Whisper Transcription 1.1 by Pelle Rosenbeck Gøeg (CLAAUDIA), OpenAI DIGITAL HUMANITIES \*2 MORE

Applied Science Show All

11 Click "JupyterLab"

tics

Dalton Project experimental by https://doi.org/10.1063/1.5144298 DATA ANALYTICS

JupyterLab 4.1.5 by SDU eScience DEVELOPMENT FEATURED DATA ANALYTICS

LibreOffice 7.2.2.2 by Star Division DATA ANALYTICS FEATURED



Be sure you are choosing "JupyterLab" and **not** "JupyterLab (Type 3)"

## 12 Enter a job name of your choice

S

Release Date	Type	License
18:43 17/03/2024	Container	The 3-Clause BSD License

Load parameters from a previous run:

Date	21/10/23	21/10/23	20/10/23	20/10/23	15/06/23
Job ID	848447	848440	848432	848426	793865

Import parameters

Job name

Example: Run with parameters XYZ

Hours \*

1

Machine type \*

No machine type selected

vCPU

-

Memory (GB)

-

GPU

-

13

Type the amount of hours you need access

Note: It is possible to extend this later on

License  
The 3-Clause BSD License

Previous runs:

21/10/23	20/10/23	20/10/23	15/06/23
848440	848432	848426	793865

Hours \*

Memory (GB)	GPU	Price
-	-	-

14

Click the place that is shown in the picture

Load parameters from a previous run:

Date	21/10/23	21/10/23	20/10/23	20/10/23	15/06/23
Job ID	848447	848440	848432	848426	793865

Job name  Hours \*

Machine type \*

No machine type selected

vCPU	Memory (GB)	GPU	Price
-	-	-	-

Optional Parameters

Initialization

Batch processing

Configure SSH connection

## 15 Select the computer power that you require

Note: Be aware that you pay by hour and more computer power has a higher price per hour. So choose strategically. Typically 8 vCPU and 48 GB is plenty and you can often even choose less.

Load parameters from a previous run:







Date	21/10/23	21/10/23	20/10/23	20/10/23	15/06/23	Import parameters
Job ID	848447	848440	848432	848426	793865	

Job name

Hours \*

Machine type \*

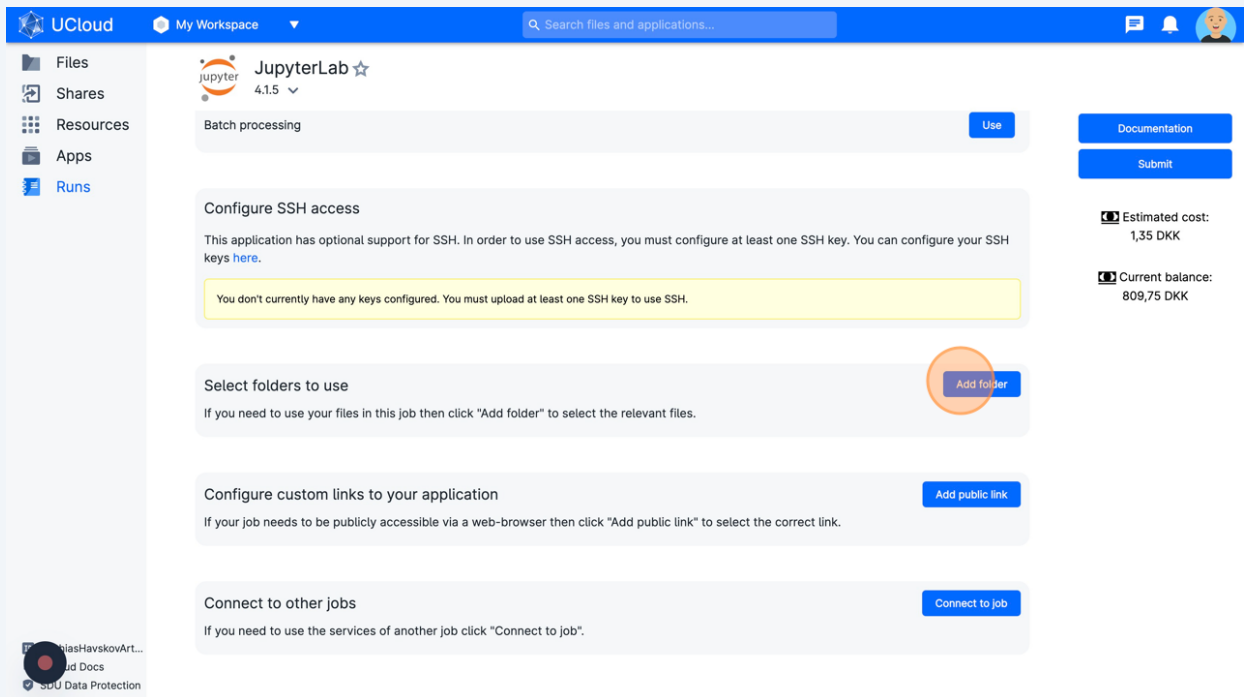
No machine type selected

Name	vCPU	Memory (GB)	GPU	Price
 u1-standard-1	1 (Intel Xeon Gold 6130)	6	None	0,07 DKK/hour
 u1-standard-2	2 (Intel Xeon Gold 6130)	12	None	0,16 DKK/hour
 u1-standard-4	4 (Intel Xeon Gold 6130)	24	None	0,33 DKK/hour
 u1-standard-8	8 (Intel Xeon Gold 6130)	48	None	0,67 DKK/hour
 u1-standard-16	16 (Intel Xeon Gold 6130)	96	None	1,36 DKK/hour
 u1-standard-32	32 (Intel Xeon Gold 6130)	192	None	2,74 DKK/hour

Configure SSH access

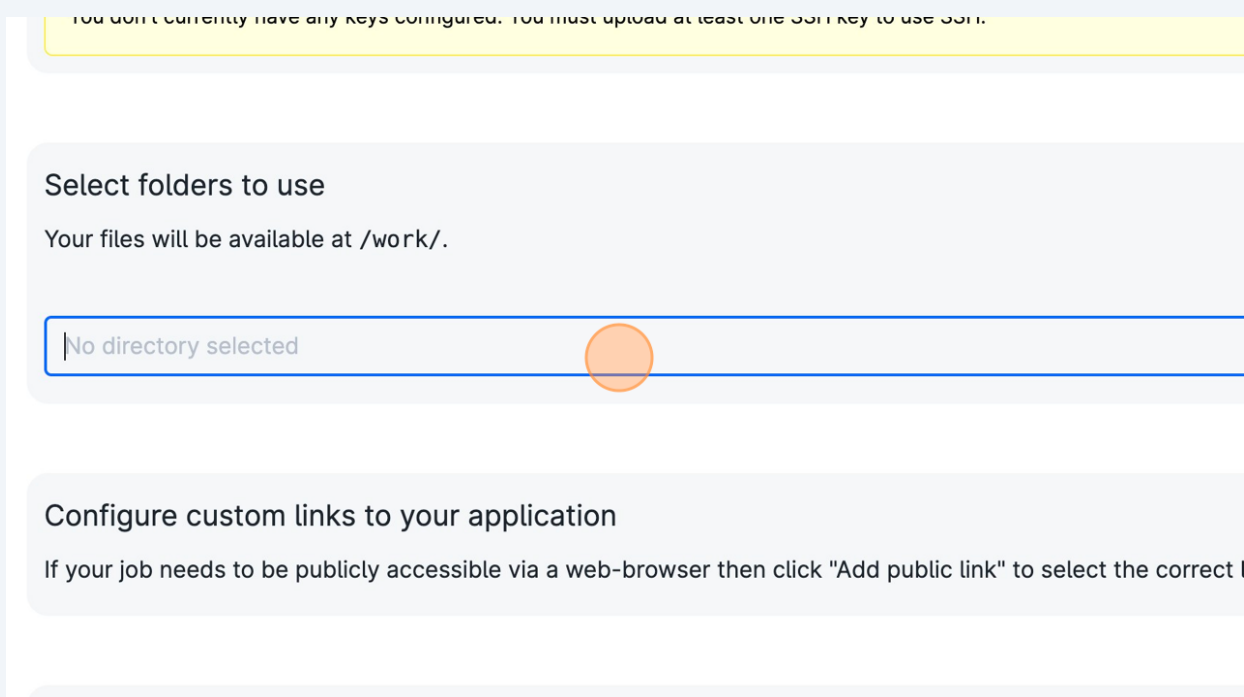
## 16 Click "Add folder"

**Note: This step is important - you will not be able to access your files if you don't do this!**



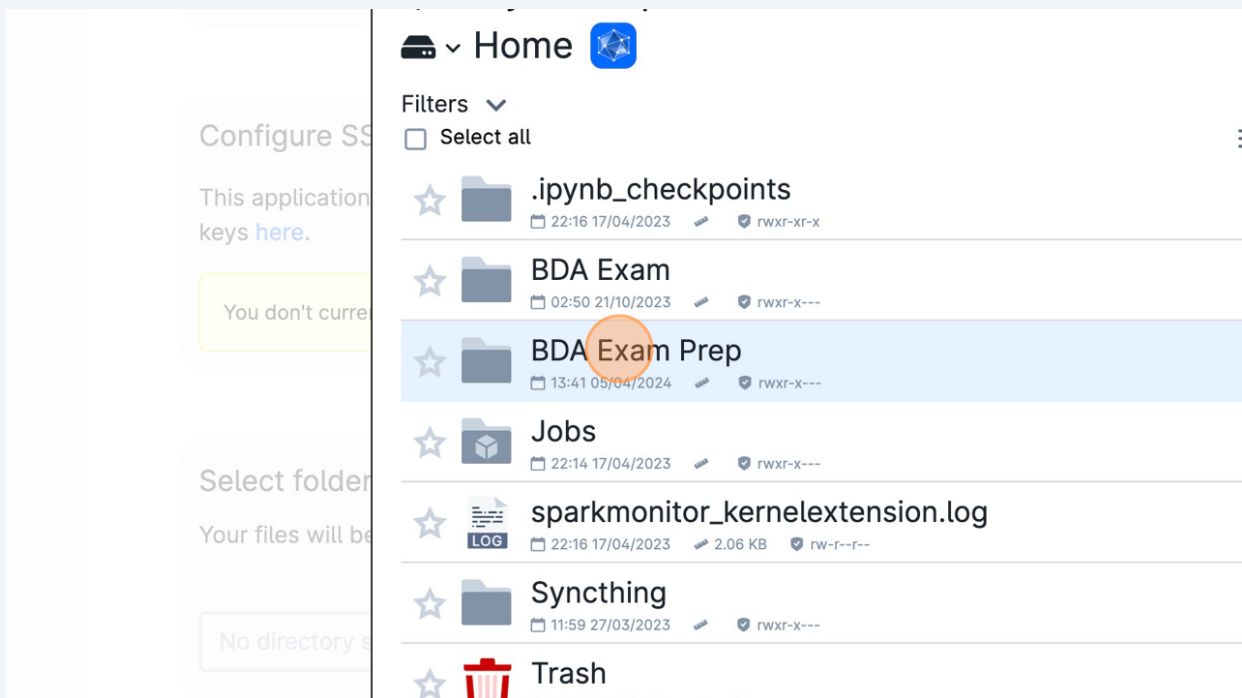
The screenshot shows the UCloud JupyterLab interface. The top navigation bar includes 'UCloud', 'My Workspace', and a search bar. The left sidebar lists 'Files', 'Shares', 'Resources', 'Apps', and 'Runs'. The main content area is titled 'JupyterLab 4.1.5' and features a 'Batch processing' section with a 'Use' button. Below this is a 'Configure SSH access' section with a yellow warning box stating 'You don't currently have any keys configured. You must upload at least one SSH key to use SSH.' The 'Select folders to use' section contains an 'Add folder' button, which is circled in orange. Other sections include 'Configure custom links to your application' with an 'Add public link' button and 'Connect to other jobs' with a 'Connect to job' button. On the right, there are buttons for 'Documentation' and 'Submit', along with cost information: 'Estimated cost: 1,35 DKK' and 'Current balance: 809,75 DKK'.

## 17 Click the "No directory selected" field

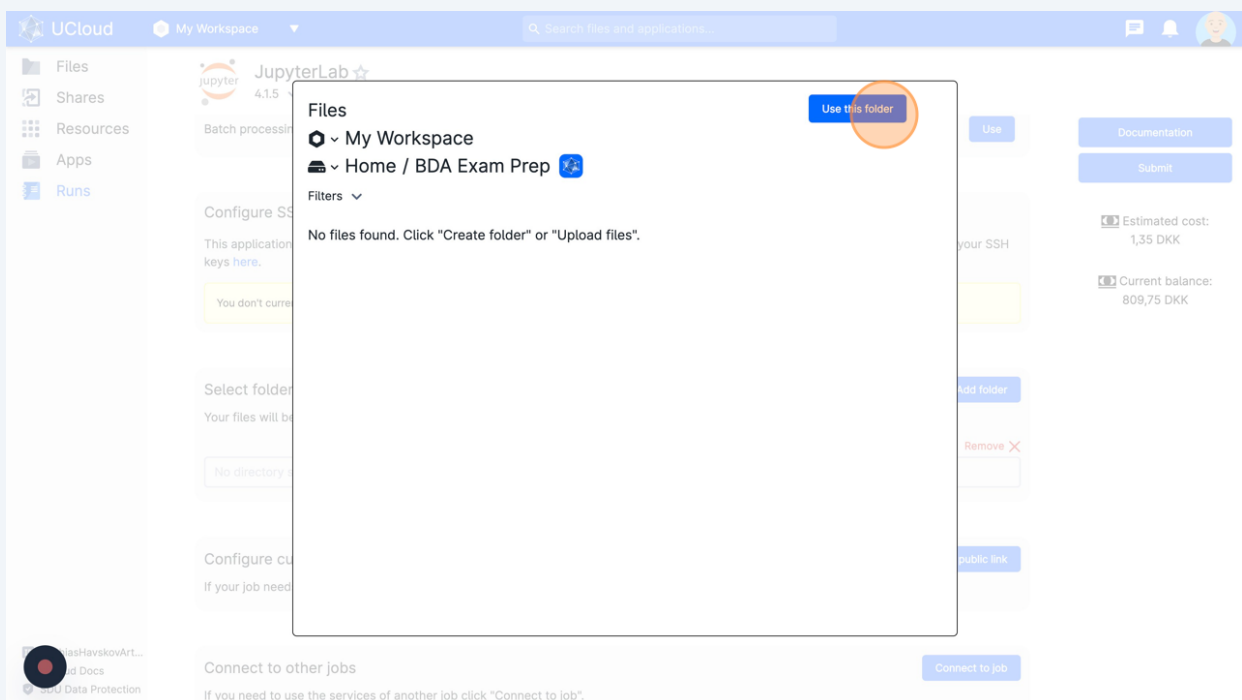


This close-up screenshot focuses on the 'Select folders to use' section. At the top, a yellow warning box repeats the message: 'You don't currently have any keys configured. You must upload at least one SSH key to use SSH.' Below this, the text reads 'Your files will be available at /work/'. A text input field contains the placeholder text 'No directory selected', which is circled in orange. The 'Configure custom links to your application' section is partially visible at the bottom, with the text 'If your job needs to be publicly accessible via a web-browser then click "Add public link" to select the correct l'.

18 Click the folder we created previously



19 Click "Use this folder"



20 Click "Submit"

and applications...

Documentation

Submit

Estimated cost:  
1,35 DKK

Current balance:  
809,75 DKK

Add folder

21 Click "Open interface"

and applications...

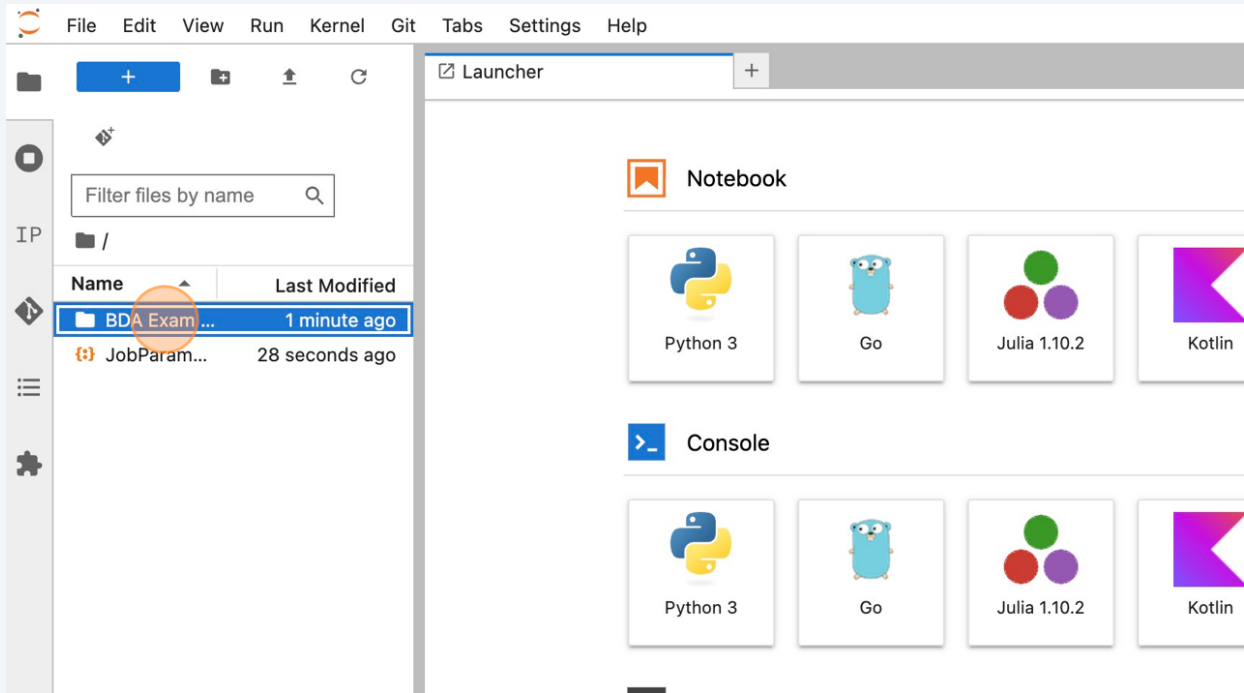
Open terminal

Open interface

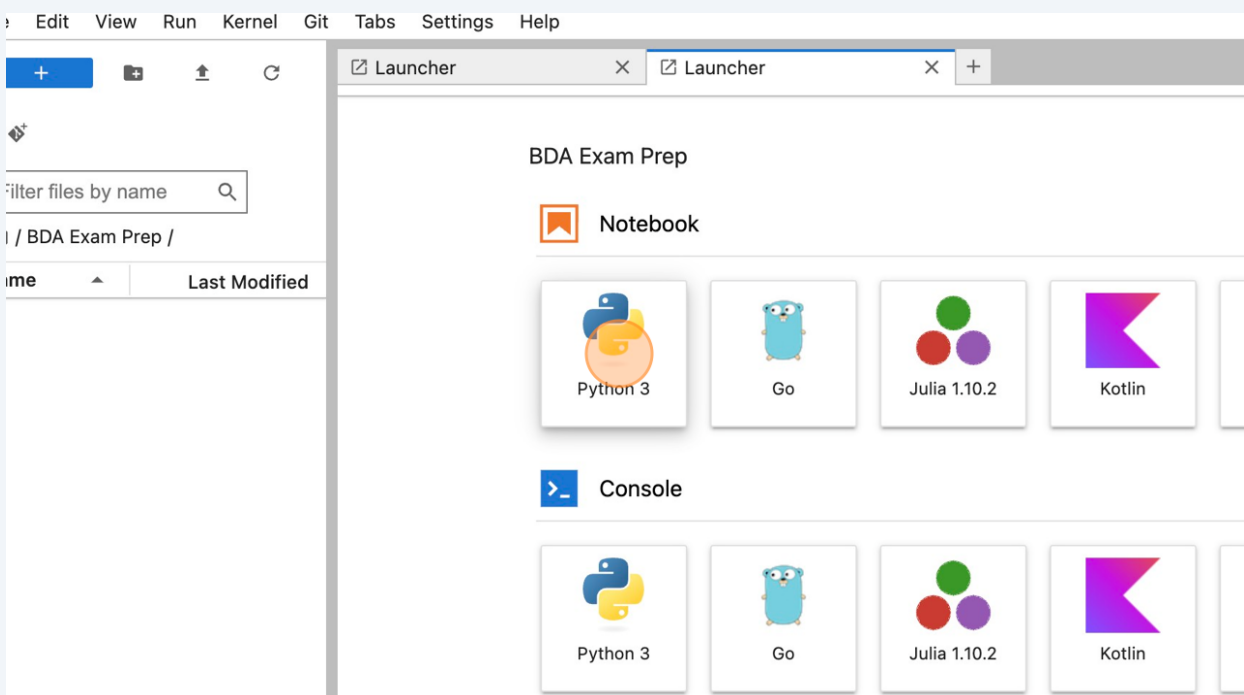
**⌚ Time allocation**  
Job start: 13:42 05/04/2024  
Job expiry: 15:42 05/04/2024  
Time remaining: 01:59:57  
Estimated price per hour: 0,67 DKK  
Extend allocation (hours):

+1 +6 +12 +24 +48

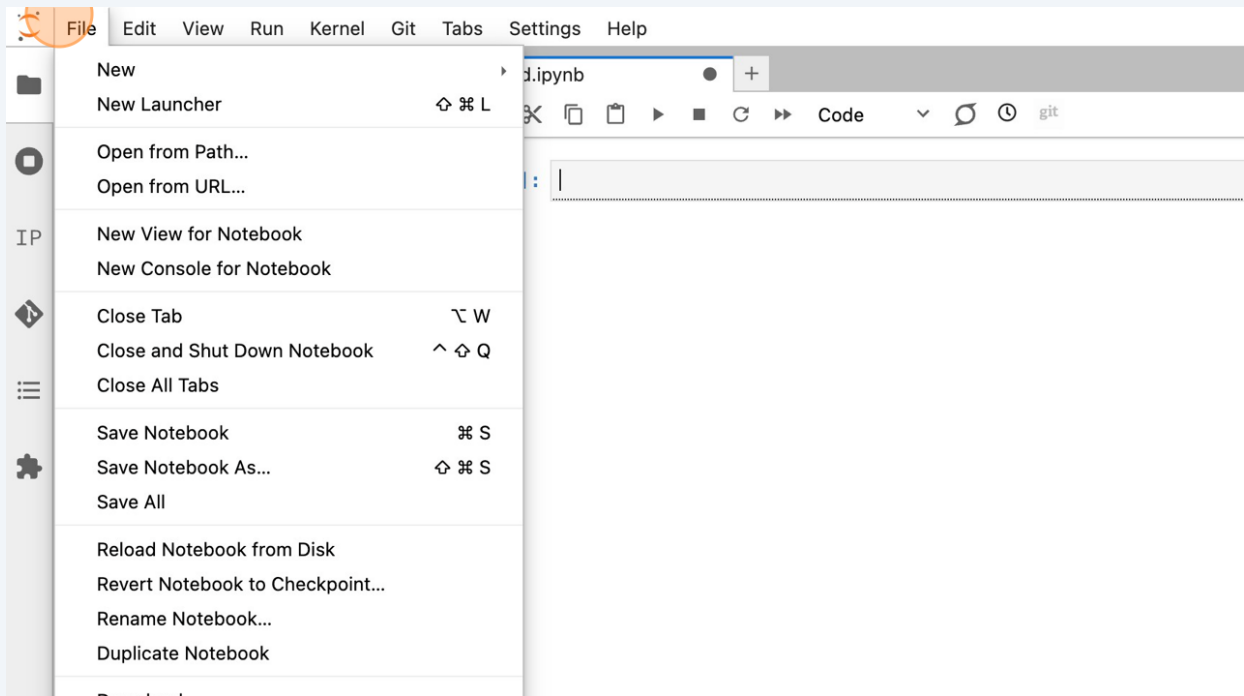
## 22 Double-click your folder



## 23 Select "Python 3"



## 24 Click "File"

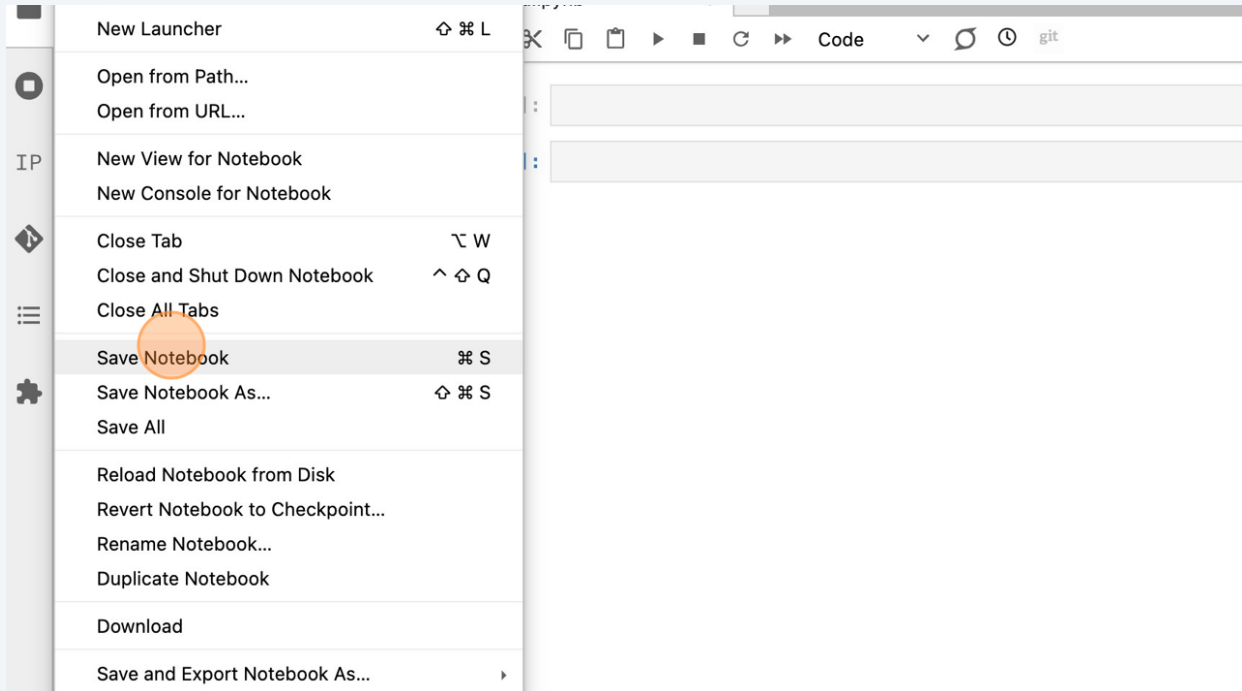


25

1. Click "Save Notebook"

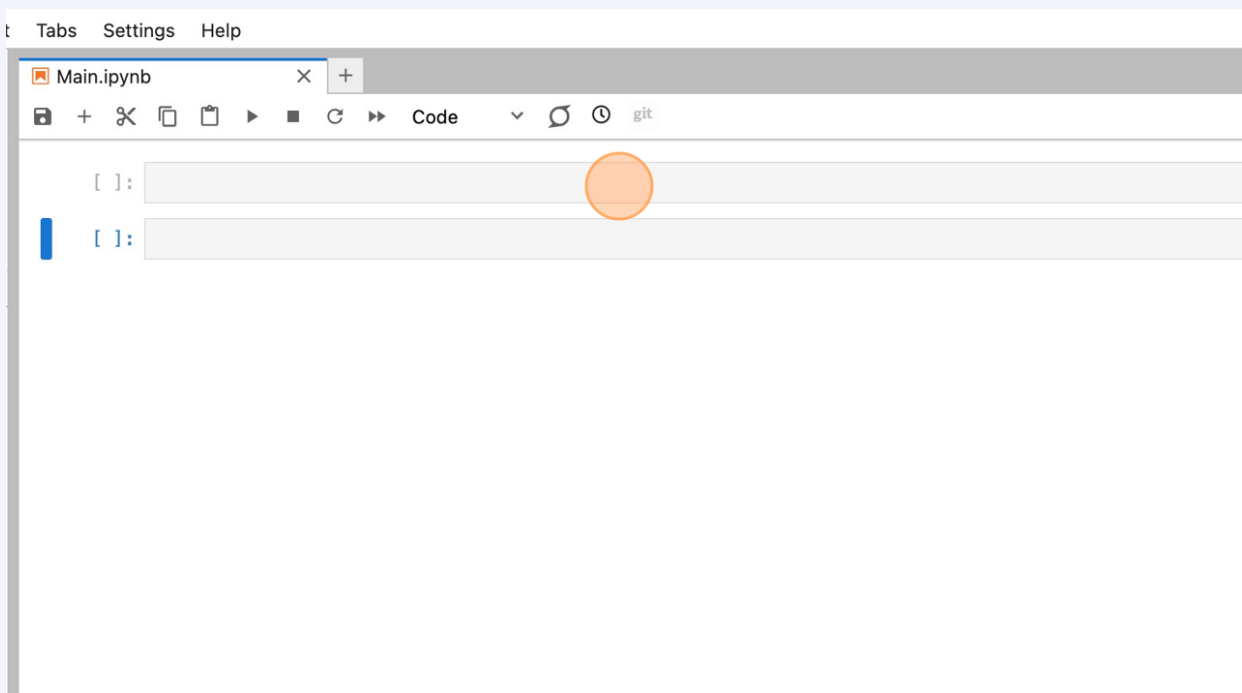
2. Give it a name

3. Click "Rename"



26

Try to run some code. We will start by printing "Hello, World" to check if everything is setup correctly





Remember to save your work from time to time. If your machine runs out of time and you haven't saved you will lose your work.