

Navigating UCloud to access RStudio

A few short slides to show step-by-step on how to use
features of RUC's HPC access

You will see this on your first time to <https://cloud.sdu.dk/app/login>



Click the green button and then search for Roskilde University




Dansk



To access *UCloud* please choose your login provider



- Always use the login provider that I choose now. At my.wayf.dk I can reset this preselection anytime if at a later time I need to use a different login provider.

Roskilde University 

Showing 1 of 1:

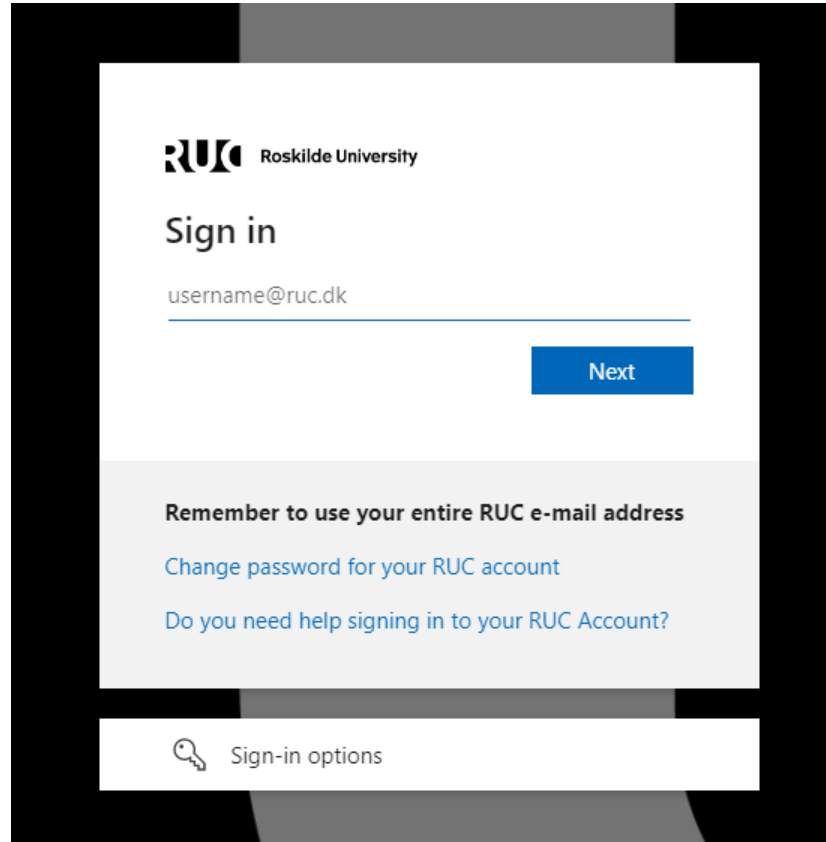
[Roskilde University \(RUC\)](#)

WAYF-sekretariat

Asmussens Allé, Building 305
DK-2800 Kgs. Lyngby
Denmark

www.wayf.dk
sekretariat@wayf.dk

You will need to sign in

A screenshot of the Roskilde University (RUC) sign-in page. The page is white with a black border. At the top left is the RUC logo and the text "Roskilde University". Below this is the heading "Sign in". A text input field contains the placeholder "username@ruc.dk". To the right of the input field is a blue button labeled "Next". Below the input field and button is a grey box containing the text "Remember to use your entire RUC e-mail address", a link "Change password for your RUC account", and another link "Do you need help signing in to your RUC Account?". At the bottom of the page is a white box with a key icon and the text "Sign-in options".

RUC Roskilde University

Sign in


username@ruc.dk

Next

Remember to use your entire RUC e-mail address

[Change password for your RUC account](#)

[Do you need help signing in to your RUC Account?](#)

 Sign-in options

Click OK

Du er ved at logge ind på *UCloud*.

Formålet er at give adgang til de cloud computing- og storage-løsninger som SDU tilbyder.

Oplysningerne herunder er nødvendige for at tilgå tjenesten.

Klik [her](#) for en detaljeret beskrivelse af oplysningstyperne.



Hvis oplysningerne om dig ikke er korrekte, skal du kontakte Roskilde Universitet (RUC), hvor de stammer fra.

Nedenstående tjeneste/institutions-par er registreret i denne browser. Det betyder

- at du er blevet oplyst om de data der bliver leveret fra institutionen til tjenesten
- at institutionen måske automatisk bliver valgt når du logger ind fra den tilhørende tjeneste

Hvis du ønsker at benytte en anden institution for en given tjeneste, kan du slette registreringen for et tjeneste/institutions-par ved at klikke på **X**

X UCloud / Roskilde Universitet (RUC)

Du kan til enhver tid gå til my.wayf.dk for at se hvilke par der er registreret i denne browser.

You should then be taken to the home page

The screenshot shows the UCloud home page interface. At the top, there is a blue header bar with the UCloud logo on the left, a dropdown menu for "My Workspace", and a search bar on the right with the placeholder text "Search files and applications...".

On the left side, there is a vertical navigation menu with the following items: "Files", "Shares", "Resources", "Apps", and "Runs".

The main content area is divided into two columns. The left column features a "News" section with the following content:

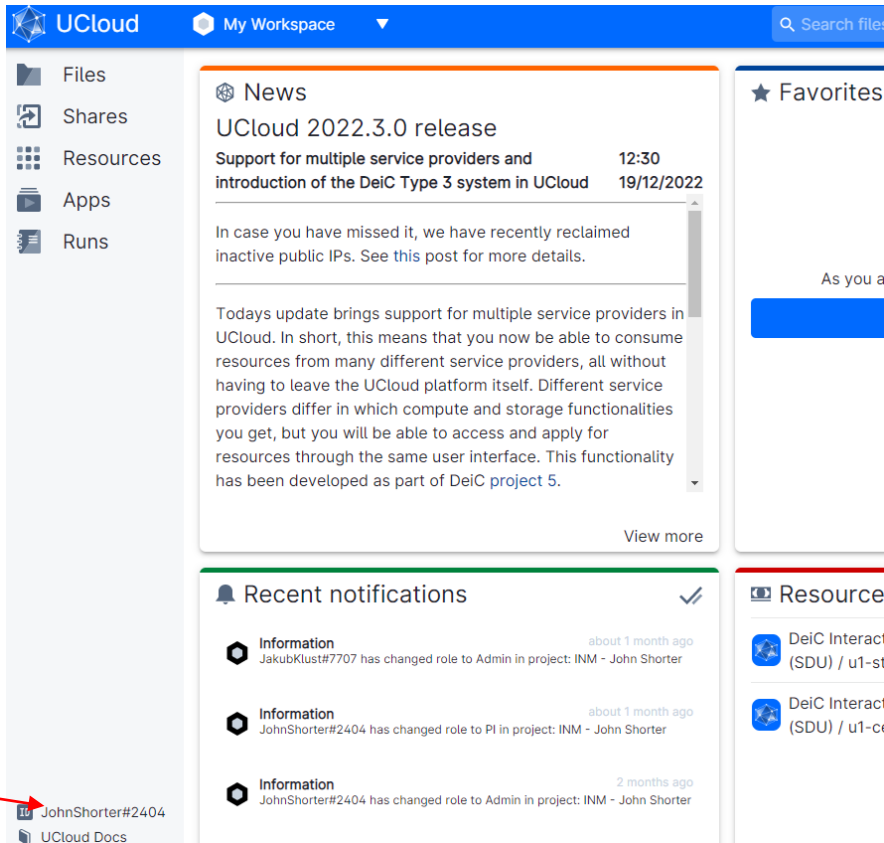
- News**
- UCloud 2022.3.0 release**
- Support for multiple service providers and introduction of the DeIC Type 3 system in UCloud** (12:30, 19/12/2022)
- In case you have missed it, we have recently reclaimed inactive public IPs. See [this post](#) for more details.
- Today's update brings support for multiple service providers in UCloud. In short, this means that you now be able to consume resources from many different service providers, all without having to leave the UCloud platform itself. Different service providers differ in which compute and storage functionalities you get, but you will be able to access and apply for resources through the same user interface. This functionality has been developed as part of DeIC [project 5](#).
- [View more](#)

The right column features a "Favorites" section with the following content:

- ★ Favorites**
- No favorites
- As you as add favorites, they will appear here.
- [Explore files](#)

At the bottom of the page, there are two horizontal bars: a green bar for "Recent notifications" with a checkmark icon, and a red bar for "Resource allocations" with a server icon.

At the bottom left is your username for UCloud.



The screenshot displays the UCloud user interface. At the top, there is a blue header with the UCloud logo, 'My Workspace', and a search bar. On the left side, a navigation menu lists 'Files', 'Shares', 'Resources', 'Apps', and 'Runs'. The main content area is divided into three sections: 'News', 'Recent notifications', and 'Resource'. The 'News' section features a post titled 'UCloud 2022.3.0 release' with a sub-heading 'Support for multiple service providers and introduction of the DeIC Type 3 system in UCloud', dated 12:30 on 19/12/2022. The 'Recent notifications' section shows three entries, all indicating role changes for user JohnShorter#2404. The 'Resource' section lists 'DeIC Interact (SDU) / u1-st' and 'DeIC Interact (SDU) / u1-cc'. At the bottom left, the user's profile is visible, showing a small icon and the username 'JohnShorter#2404'. A red arrow points to this username.

UCloud My Workspace Search files

Files Shares Resources Apps Runs

News

UCloud 2022.3.0 release

Support for multiple service providers and introduction of the DeIC Type 3 system in UCloud 12:30 19/12/2022

In case you have missed it, we have recently reclaimed inactive public IPs. See [this](#) post for more details.

Today's update brings support for multiple service providers in UCloud. In short, this means that you now be able to consume resources from many different service providers, all without having to leave the UCloud platform itself. Different service providers differ in which compute and storage functionalities you get, but you will be able to access and apply for resources through the same user interface. This functionality has been developed as part of DeIC project 5.

View more

Recent notifications

Information about 1 month ago JakubKlust#7707 has changed role to Admin in project: INM - John Shorter

Information about 1 month ago JohnShorter#2404 has changed role to PI in project: INM - John Shorter

Information 2 months ago JohnShorter#2404 has changed role to Admin in project: INM - John Shorter

★ Favorites

As you a

Resource

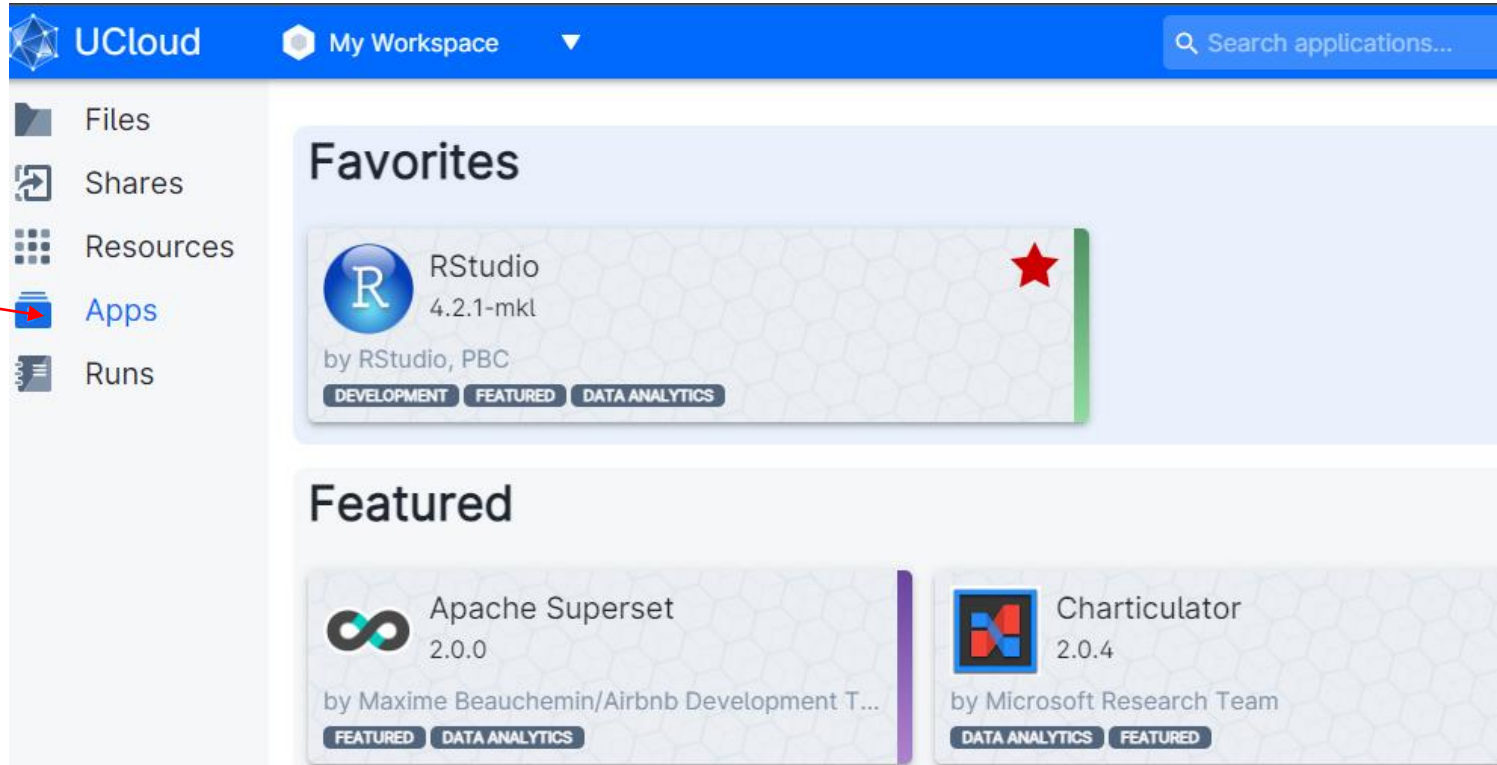
DeIC Interact (SDU) / u1-st

DeIC Interact (SDU) / u1-cc

JohnShorter#2404

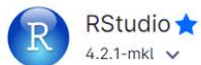
UCloud Docs

Click on Apps, then search for RStudio



The screenshot displays the UCloud interface. At the top, there is a blue header with the UCloud logo, 'My Workspace', and a search bar labeled 'Search applications...'. On the left sidebar, the 'Apps' menu item is highlighted with a red arrow. The main content area is divided into two sections: 'Favorites' and 'Featured'. The 'Favorites' section features a card for RStudio 4.2.1-mkl, which is marked with a red star and includes tags for 'DEVELOPMENT', 'FEATURED', and 'DATA ANALYTICS'. The 'Featured' section contains two cards: Apache Superset 2.0.0 (with 'FEATURED' and 'DATA ANALYTICS' tags) and Charticator 2.0.4 (with 'DATA ANALYTICS' and 'FEATURED' tags).

Choose: Job name, Number of hours, and a machine type



Description

Rstudio version RStudio with R compiled from source against the Intel MKL libraries.

Release Date	Type	License
15:22 22/09/2022	Container	GNU Affero General Public License v3

Load parameters from a previous run:

Date	15/12/22	04/12/22	25/11/22	17/11/22	20/10/22	
Job ID	R cours...	test	test	272067	test	Import parameters

Job name *

Hours *

Machine type *

u1-standard-2					
vCPU	Memory (GB)	GPU	Price		
2	11	None	0,17 DKK/hour		

Optional Parameters

Dependencies

[Use](#)

Batch mode

[Use](#)[Documentation](#)[Submit](#)

Estimated cost:
0,17 DKK

Current balance:
999,26 DKK

Then choose to Add Folder and click in the new box

My Workspace

RStudio
 4.2.1-mkl

Machine type

Machine type	vCPU	Memory (GB)	GPU	Price
u1-standard-2	2	11	None	0,17 DKK/hour

Optional Parameters

Dependencies

Batch mode

Select folders to use

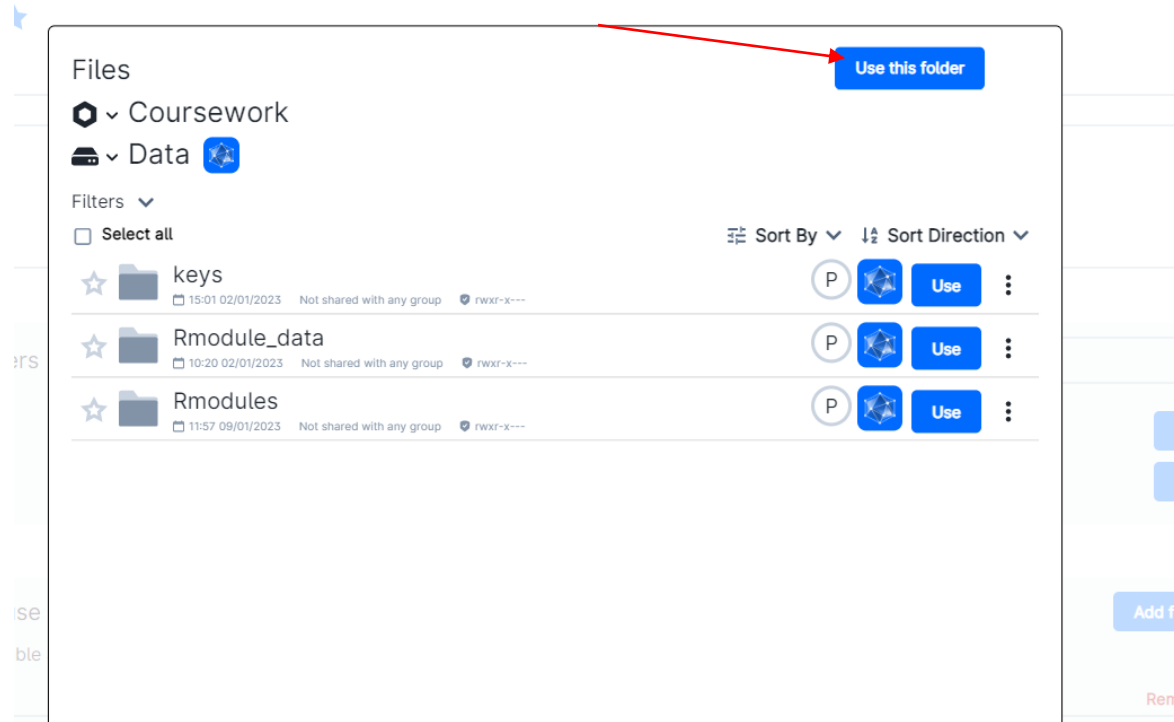
Your files will be available at `/work/`.

Connect to other jobs

Estimated cost: 0,17 DKK

Current balance: 999,26 DKK

Choose a folder, then click the blue button to use this folder
Course workspace is only accessible for signed users



You are able to choose several folders, if you want to. Then select Submit

The screenshot displays the RStudio interface. At the top, there is a blue header bar with "My Workspace" on the left, a search bar in the center, and communication icons on the right. Below the header, the RStudio logo and version "4.2.1-mkl" are shown. The main content area is divided into several sections: "Optional Parameters" with a search box and "Use" buttons; "Dependencies" and "Batch mode" sections, each with a "Use" button; and "Select folders to use" with an "Add folder" button. Under "Select folders to use", three input fields are visible: "/Data", "/Home", and "No directory selected". Each field has a "Remove X" button to its right. A red arrow points from the search box in the "Optional Parameters" section to the "Submit" button in a sidebar on the right. The sidebar also contains a "Documentation" button, a "Current balance: 999,26 DKK" indicator, and an "Estimated cost: 0,17 DKK" indicator.

My Workspace

Search files and applications...

RStudio 4.2.1-mkl

Optional Parameters

Search

Use

Use

Dependencies

Batch mode

Use

Select folders to use

Add folder

Your files will be available at /work/.

/Data Remove X

/Home Remove X

No directory selected Remove X

Documentation

Submit

Estimated cost: 0,17 DKK

Current balance: 999,26 DKK

Once it runs, click Open Interface

UCloud My Workspace Search files and applications...

Files Shares Resources Apps Runs

RStudio_example is now running
RStudio 4.2.1-mkl

Open terminal Open interface

Job info
Name: RStudio_example
ID: 380823
Reservation: DeIC Interactive HPC (SDU) / u1-standard-2 (x1)
Input: /Home, /Data
Launched by: JohnShorter#2404 in My workspace

Time allocation
Job start: 23:39 09/01/2023
Job expiry: 00:39 10/01/2023
Time remaining: 00:59:47
Estimated price per hour: 0,17 DKK

Extend allocation (hours):
+1 +6 +12 +24 +48

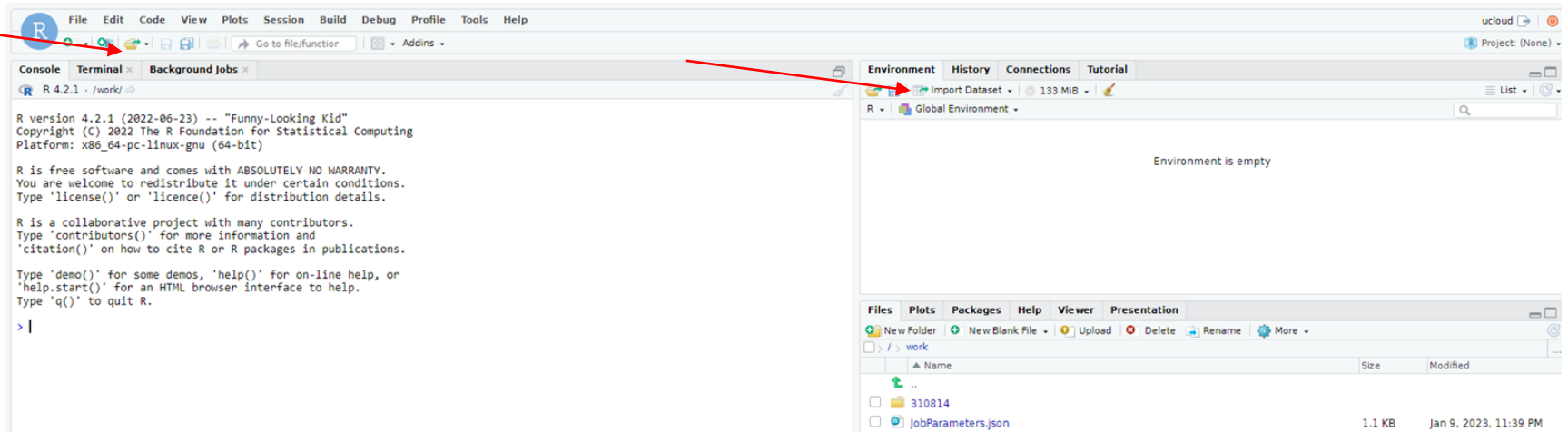
Messages
[23:39] Job is waiting in the queue
[23:39] Job is now running (1/1 ready)

1 Node

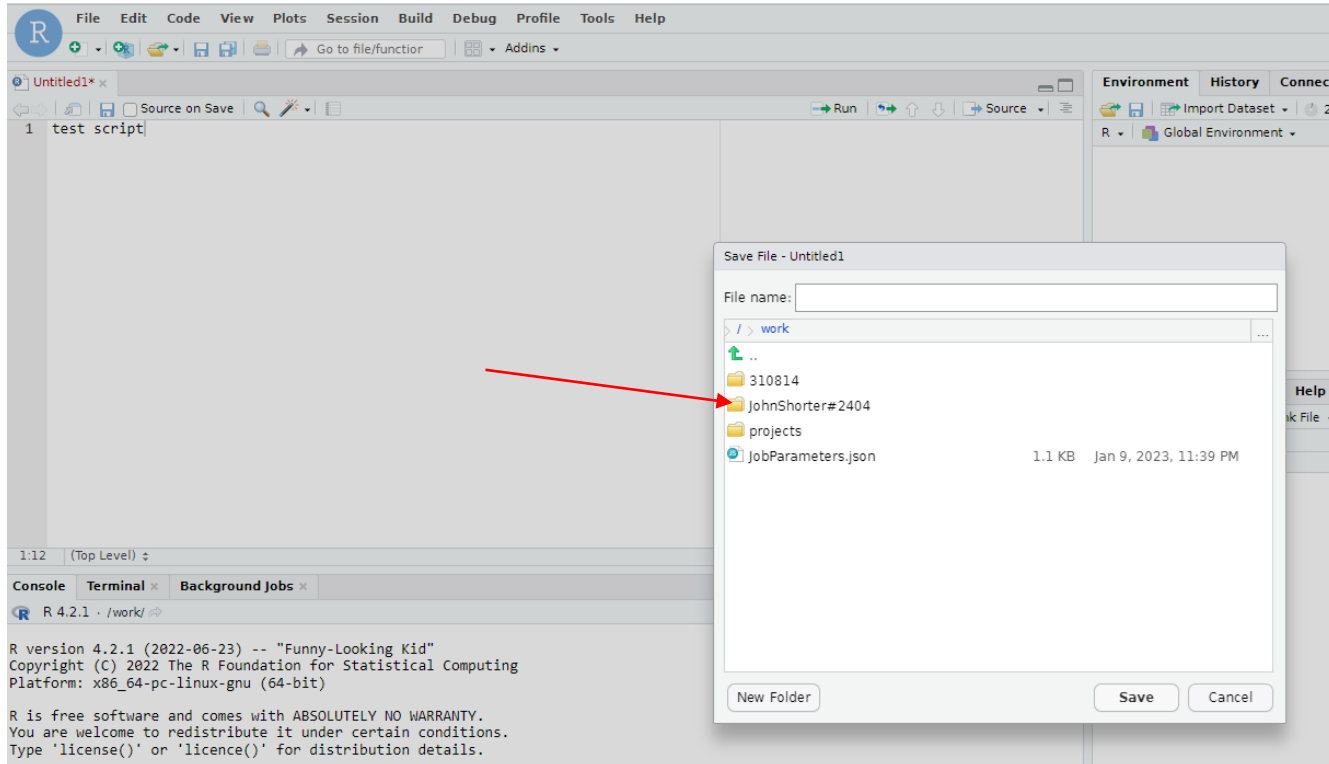
```
=====
== Start RStudio ==
=====

[s6-init] making user provided files available at /var/run/s6/etc...exited 0.
[s6-init] ensuring user provided files have correct perms...exited 0.
[fix-attrs.d] applying ownership & permissions fixes...
[fix-attrs.d] done.
[cont-init.d] executing container initialization scripts...
[cont-init.d] userconf: executing...
[cont-init.d] userconf: exited 0.
```

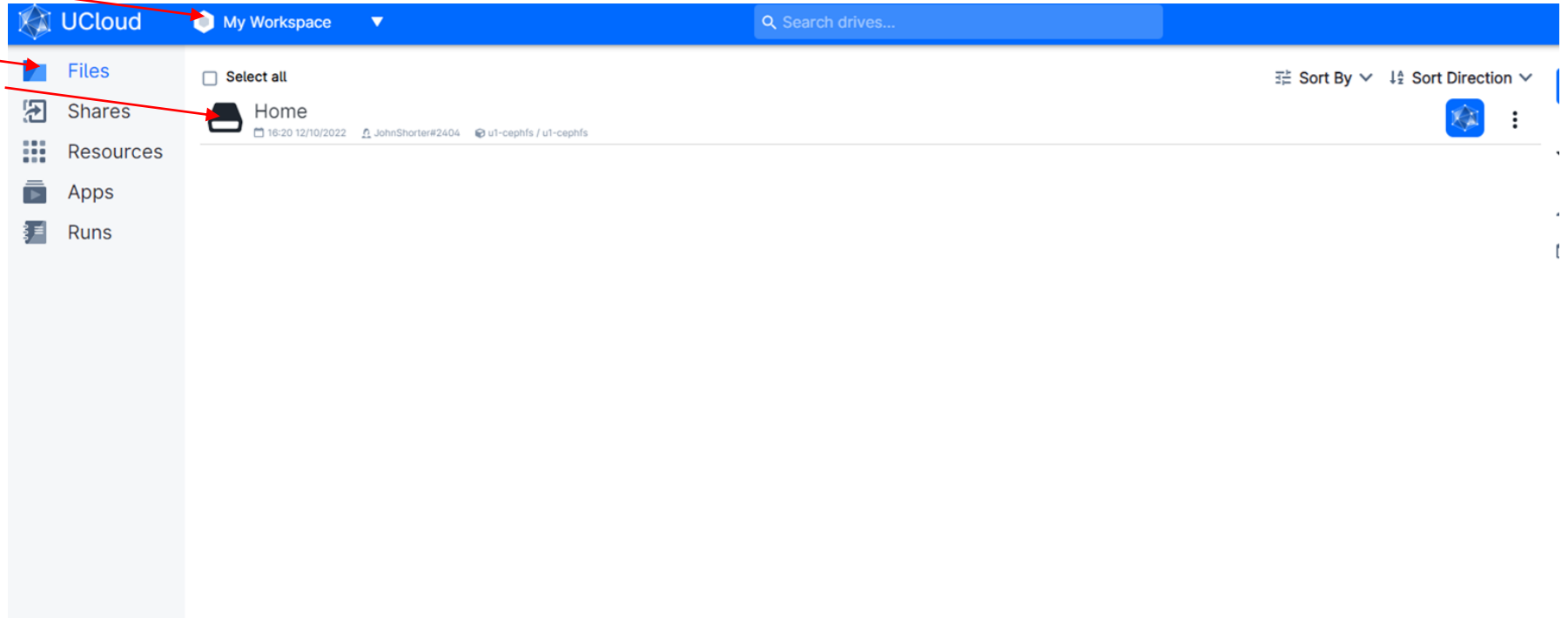
You are now using RStudio. Click on the yellow folders to open a script, or to import a dataset



Choose File -> Save As, then the folder with your name



To download files saved in R, choose My Workspace and then go to the Files on the left side. Click on Home.

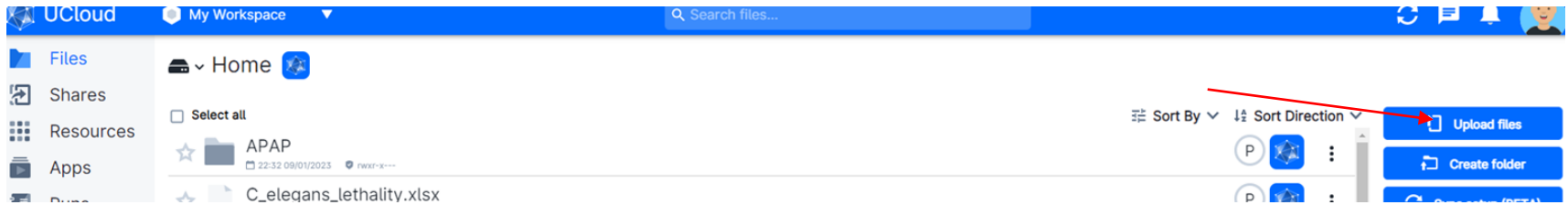


Click on the 3 dots, and then choose download from the list

The screenshot displays the UCloud file manager interface. The top navigation bar includes the UCloud logo, 'My Workspace', and a search bar. A left sidebar contains navigation options: Files, Shares, Resources, Apps, and Runs. The main area shows a file list under the 'Home' directory. The list includes folders like 'containers', 'man', and 'MouseRNAseq', and files like 'git-lfs', 'git-lfs-linux-amd64-v2.13.2.tar.gz', 'install.sh', 'README.md', 'Shinozaki_tpm_all.csv', and 'test script.R'. Each item has a star icon, a date, a size, and a share icon. A red arrow points to the three-dot menu icon for the 'install.sh' file. A context menu is open over this icon, listing actions: 'Open with...', 'Rename', 'Download' (highlighted), 'Copy to...', 'Move to...', 'Share', 'Change sensitivity', 'Move to trash', and 'Properties'.

Item	Date	Size	Share Icon	Menu Icon
containers	14:39 01/12/2022		🔗	⋮
git-lfs	19:28 13/01/2021	11.90 MB	🔗	⋮
git-lfs-linux-amd64-v2.13.2.tar.gz	22:33 08/12/2021	4.74 MB	🔗	⋮
HS_DNA	10:27 17/11/2022		🔗	⋮
install.sh	19:24 13/01/2021	389 B	🔗	⋮
Jobs	15:25 08/12/2022		🔗	⋮
man	19:25 13/01/2021		🔗	⋮
MouseRNAseq	13:26 20/10/2022		🔗	⋮
README.md	19:24 13/01/2021	8.43 KB	🔗	⋮
Shinozaki_tpm_all.csv	15:24 08/12/2022	157.18 MB	🔗	⋮
Syncthing	16:24 12/10/2022		🔗	⋮
test script.R	23:50 09/01/2023	11 B	🔗	⋮
Trash			🔗	⋮

Select the blue Upload files button to upload files to your My Workspace directory



See <https://docs.cloud.sdu.dk/tutorials/tutorial1.html> for more information on UCloud support and a User Guide.

The screenshot displays the UCloud Docs website interface. At the top, a blue navigation bar contains the UCloud Docs logo and links for Login, eScience Center, Terms of Service, Developer Guide, User Guide (highlighted), and FAQ. Below the navigation bar is a search bar and a left-hand menu with categories like About, Getting Started, and Manage Files and Folders. The main content area is titled 'Manage Files and Folders' and features a video player showing a news update about UCloud 2022.1.0 Release. To the right of the video are several dashboard widgets: Favorites, Recent Runs, Recent Notifications, Resource Allocations, and Usage.

UCloud Docs Login eScience Center Terms of Service Developer Guide User Guide FAQ

Search

Docs / Manage Files and Folders

Manage Files and Folders

Manage files

UCloud My Workspace Search files and applications

- Files
- Shares
- Resources
- Apps
- Runs

News
UCloud 2022.1.0 Release
Improved user interface, accounting and core platform enhancements. 08:00 04/01/2022
Happy new year! This release of UCloud brings a variety of changes across the entire platform. In this news post we will focus on the more technical changes, you can also read a less technical version [here](#). You should also make sure to check out the updated [documentation](#) for UCloud.
Unified Resource Interface
We have revamped the user interface of various resources (e.g. files, public, incuPaaS, jobs, etc.). They now all use a unified interface which behaves in a similar way.
[View more](#)

Recent Notifications

- 4 months ago user1 has invited you to collaborate
- 3 months ago user1 has invited you to collaborate
- 3 months ago user1 has invited you to collaborate
- 3 months ago user1 has invited you to collaborate
- 11 months ago user2 has invited you to collaborate

Favorites

- Newfolder
- demo_eigenvalue.py
- demo_poisson.py

Recent Runs

- test 11 months
- SCNP 11 months

Resource Allocations

- ucloud / ut-standard 999,91 DKK
- ucloud / ut-cephfs 50 GB
- ucloud / ut-publiclink 0 Public link(s)

Usage

No usage
As you use the platform, usage will appear here.

[Explore files](#)
[Refresh](#)

0:00 / 3:15

Share files

What can you do if you need additional help?

- If you need help with UCloud (Interactive HPC) and Data Management, please write an email to escience@ruc.dk, additionally you can also visit escience.ruc.dk (only for RUC users), both options get you in contact with RUC's Front Office.