



Access to JUSUF

How to get your account on JSC ressources - a walkthrough

2024-04-08 | MARINA GANEVA^{1,2}, PAUL BAUMEISTER^{2,3}

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JSC Cluster (and Cloud) System JUSUF

- 144 CPU-only Nodes:
 - 2× AMD EPYC 7742, 2× 64 cores, 2.25 GHz
 - 256 GB DDR4, 3200 MHz
- 61 GPU-accelerated Nodes:
 - 2× AMD EPYC 7742, 2× 64 cores, 2.25 GHz
 - 256 GB DDR4, 3200 MHz
 - 1× NVIDIA V100 GPU with 16 GB HBM2e



How to get access to HPC ressources

Understand the abbreviations

- HPC – High Performance Computing
- FZJ – Forschungszentrum Jülich (Research Centre in Germany)
- JSC – Jülich Supercomputing Center (an institute of FZJ)
- JUSUF – A mid-sized supercomputing system at JSC
- PI -- Private Investigator
- PA -- Project Administrator

Step #1 – Open the link and register

For access to JUSUF, we need to create a JSC login first

<https://judoor.fz-juelich.de/projects/join/training2407>

← Step #1a: Open

The screenshot shows the JuDoor Login page. At the top, there is a navigation bar with a URL bar containing <https://judoor.fz-juelich.de/login?show=/projects/join/training2407>. Below the URL bar is the JÜLICH Forschungszentrum logo and the text "JÜLICH SUPERCOMPUTING CENTRE". A pink banner at the top states "You need to login in order to visit that page." The main content area is titled "Portal for managing accounts, projects and resources at JSC." It contains two login options: "Login using JSC account" and "Login with e-mail callback". The "Login using JSC account" section includes fields for "Username" and "Password", and buttons for "Login", "Register", and "Reset password". The "Login with e-mail callback" section includes a field for "Login mail address" and a button for "Send identification mail". A green arrow points from the "Register" button on the left to the "Send identification mail" button on the right, indicating the path for creating a new login.

https://judoor.fz-juelich.de/login?show=/projects/join/training2407

JU
JuDoor Login

You need to login in order to visit that page.

Portal for managing accounts, projects and resources at JSC.

Login using JSC account

Login with e-mail callback

Username

Password

Send identification mail

A confirmation email to confirm your identity will be sent to this address.

Login Register

Reset password

← Step #1b: Register

Step #2 – Enter your email address

Please use the same email address as for the course registration!

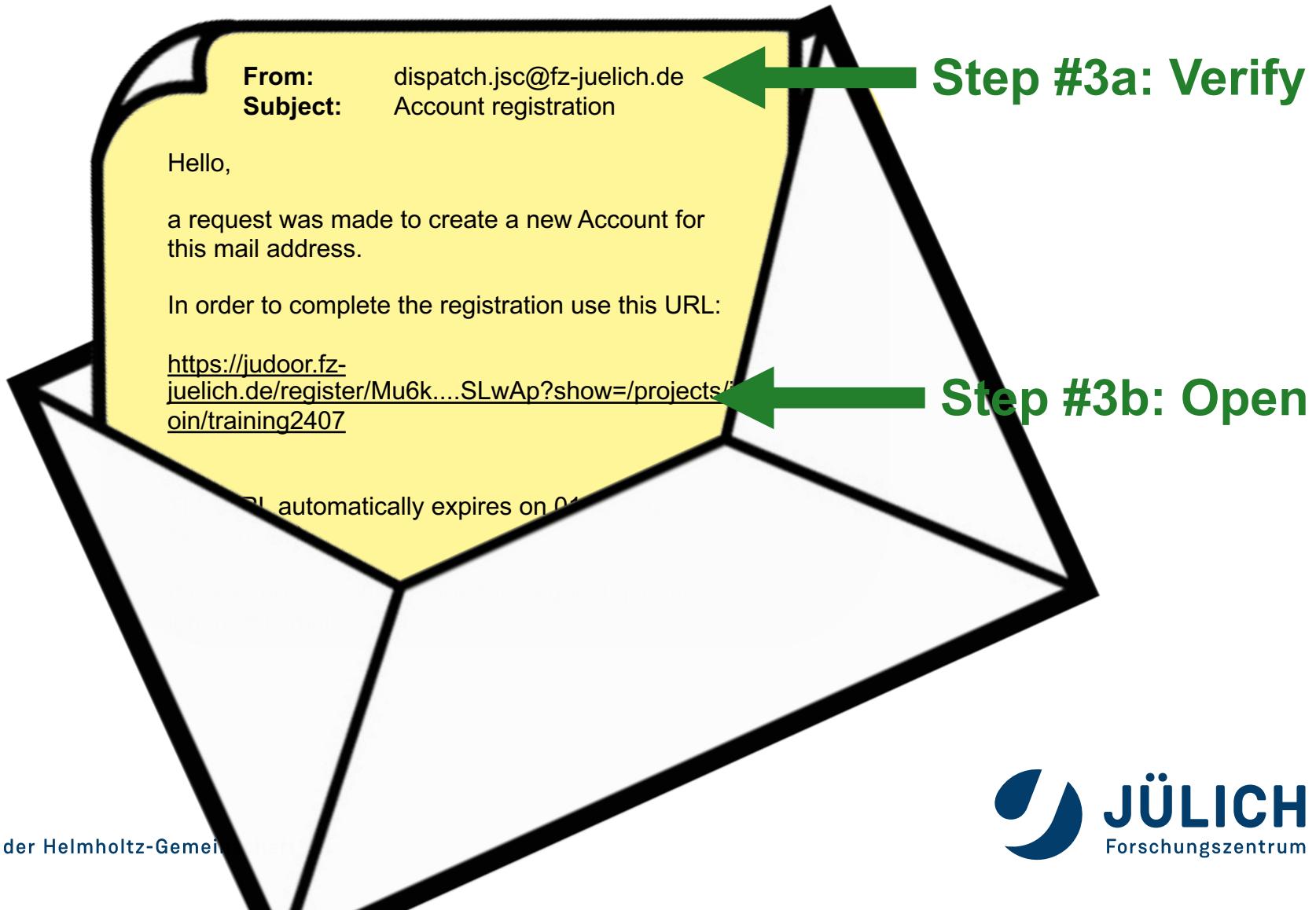
The screenshot shows a web browser window titled "Account registration" with the URL "judoor.fz-juelich.de/register". The page has a header with the Jülich logo and navigation links. Below the header, there is a form field labeled "Your mail address" with a placeholder icon. A text message below the field states, "We will send an email to this address containing a link to complete the registration process." At the bottom of the form is a blue button labeled "Send confirmation mail...".

← Step #2a: Address

← Step #2b: Send

Step #3 – Check your emails

Please verify the sender before opening the link



Step #4 – Fill in the registration form

The screenshot shows a web browser window with the URL judoor.fz-juelich.de. The page title is "Account registration". The form includes fields for Email (with value "paul.baumeister@rwth-aachen.de"), Salutation (dropdown menu with "Choose..."), Given name, Family name, Institution, Street, P.O. box, Postcode, City, Federal State (only Germany), Country (dropdown menu with "Select a country"), Prefix, Telephone, Password, Repeat Password, and a checkbox for "I accept the Privacy Policy". A blue button at the bottom right says "Complete registration". The Jülich logo is in the top right corner.

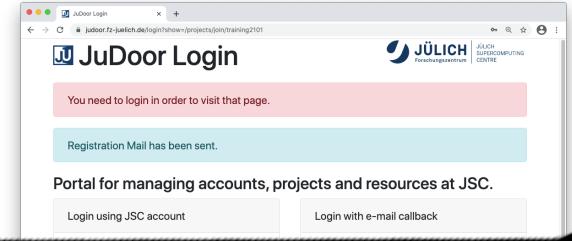
Step #4a: Required fields
are marked in bold font

Step #4b: Create a new
password

Step #4c: Accept policy
and complete registration

Step #5 – Get your username

JuDoor: „Registration Mail has been sent.“



**JSC usernames
are composed:
<familyname><digit>**

From: dispatch.jsc@fz-juelich.de
Subject: New Account for JSC-Services for paul.baumeister

Dear Dr. Paul Baumeister,

The Jülich Supercomputer Center has implemented a uniform access
The authorization will be performed via LDAP with username and pass

Today your account for using JuDoor has been created with the pass

Your username :

baumeister3

Step #5: Remember

To set a new password or changing the password use the

https://judoor.fz-juelich.de/reset_password

**Do NOT click on the
password reset link**

Step #6 – Login to JuDoor

<https://judoor.fz-juelich.de/projects/join/training2407>



Step #6a: Username from step #5

Step #6b: Password from step #4

Step #6c: Login

Step #7 – Send us a join request

Send join request to project

Do you want to send a project join request to the [training2407](#) project?

The following information will be given to the PI and PA of the project: Dr. Paul Baumeister, [baumeister3, paul.baumeister@rwth-aachen.de](mailto:paul.baumeister@rwth-aachen.de)

Optional additional information for the PI and PA

Send join request to project.

not needed

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Forschungszentrum Jülich, JSC

Contact Support
JuDoor Requests

Step #8 – Wait for us to answer

Now JuDoor should look roughly like this

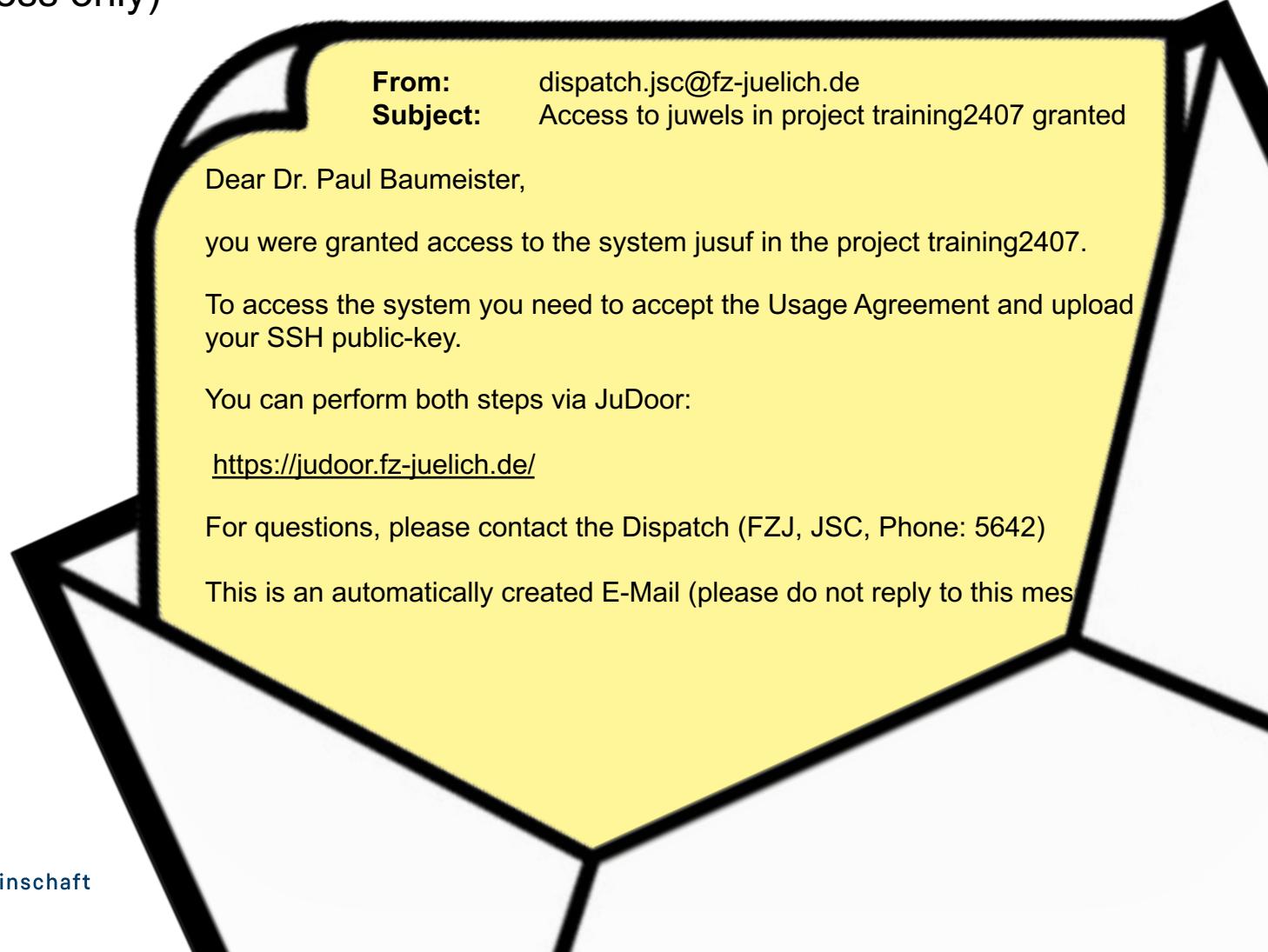
The screenshot shows the JuDoor web application interface. At the top left is the JU logo. To its right is a menu icon consisting of three horizontal lines. In the center is the JÜLICH Forschungszentrum logo, which includes a blue stylized 'J' icon followed by the word 'JÜLICH' and 'Forschungszentrum' below it. To the right of the logo is the text 'JÜLICH SUPERCOMPUTING CENTRE'. Below the header, the user's name 'Dr. Paul Baumeister' is displayed in large, bold, black font. Underneath the name is a light blue callout box containing the text: 'The Principal Investigator of the project [training2407](#) was informed about your wish to participate in the project.' The main content area is divided into sections: 'Account' (with the value 'baumeister3' in pink), 'Systems' (with the message 'Currently this account cannot access any systems.'), and 'Projects' (with the message 'Your request to join [training2407](#) is being evaluated.'). The entire interface has a clean, modern design with a white background and light gray borders for the sections.

Step #8: Wait

Step #9 – Access granted

Make sure you receive 3 similar emails

- **judac** (data access only)
- **jusuf**



Step #10 – Login to JuDoor

<https://judoor.fz-juelich.de> login with credentials as in step #6.

JuDoor should now look like this (training2407 instead of 2101)

The screenshot shows the JuDoor account page for Dr. Paul Baumeister. The top navigation bar includes the JU logo, user name, and a search bar. Below the header, the 'Systems' section lists two entries:

- jusuf**: You need to [sign the usage agreement](#) to access this system. A yellow button labeled "training2101" with a pencil icon is shown.
- juwels**: You need to [sign the usage agreement](#) to access this system. It shows JUWELS: "training2101" and JUWELS BOOSTER: "training2101", each with a yellow button and pencil icon.

The 'Projects' section below contains a card for the "LENS Machine Learning School 2021" project, which the user has joined ("training2101"). A blue "Join a project" button is also present.

Step #10: Open usage agreement

Step #11 – Read and sign

Please read it carefully

Usage Agreement for Access

judoor.fz-juelich.de/account/a/JSC_LDAP/bau...

JU

Details to applicable export control regulations are available at:

<http://www.bafa.de/DE/Aussenwirtschaft/Ausfuhrkontrolle/Rechtsgrundlagen.html>

<http://www.bafa.de/DE/Aussenwirtschaft/Ausfuhrkontrolle/Embargos.html>

I will notify Jülich Supercomputing Centre at Forschungszentrum Jülich about any relevant change of the current research topic.

I accept the agreement.

Submit

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Privacy Policy

Contact Support
JuDoor Requests

Step #11a: Tick box
Step #11b: Submit

Step #12 – Sign one more

Repeat steps #10 and #11 for the data access system judac

Dr. Paul Baumeister

Confirmed the usage agreement for juwels

Account baumeister3

E-mail address paul.baumeister@rwth-aachen.de

Telephone +49 246161 3597

Address JSC
Wilhelm-Johnen-Str
52425 Juelich
Germany

Systems

judac You need to sign the usage agreement to use this system

juwels Manage SSH-keys Usage agreement confirmed on 02.02.2021

JUWELS: training2101 JUWELS BOOSTER: training2101

Needs to be done for

- judac
- juwels

Step #12: Sign

Step #13 – Wait for mail



Systems

Confirmed the usage agreement for judac

judac Manage SSH-keys

Usage agreement confirmed on 02.02.2021

training2101

still pending, but ok

juwels Manage SSH-keys

Usage agreement confirmed on 02.02.2021

JUWELS: training2101

JUWELS_BOOSTER: training2101



Step #13: Check mail

Step #14 – Accounts opened

Make sure you received two similar emails

- jusuf
- judac

From: dispatch.jsc@fz-juelich.de
Subject: An account on the system juwels for project training2407 has been opened

[...]

We would like to inform you that we gave access to an additional system to the following account for the project training2407

baumeister3

You have now access to the following resource:

Budget: training2407

System: jusuf

Login-node: jusuf.fz-juelich.de

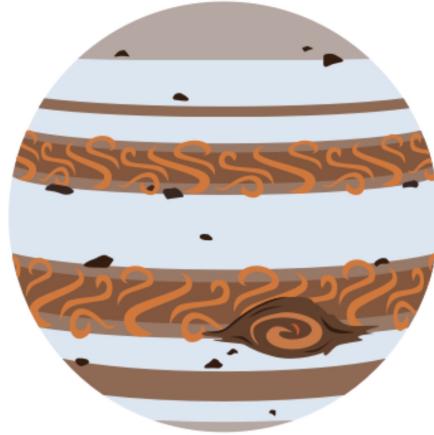
Please regard that it may take about 30 minutes until you will be able to

SSH access now possible, see „Manage SSH-keys“ in JuDoor

2461/61 S

Step #15 – Celebrate

You are half way ...



... to ~~Jupiter~~ Jupyter

Step #15: Open link ➔ <https://jupyter-jsc.fz-juelich.de>

Step #16 – <https://jupyter-jsc.fz-juelich.de>

Jülich
Forschungszentrum

JÜLICH SUPERCOMPUTING CENTRE

Login JSC Status Documentation More Links

Jupyter-JSC
Supercomputing in Your Browser

We are pleased to bring "Supercomputing in your browser".

Jupyter-JSC is designed to provide the rich high performance computing (HPC) ecosystem to the world's most popular software: web browsers. JupyterLab is a web-based interactive development environment for Jupyter notebooks, code, and data. JupyterLab is flexible to support a wide range of workflows in data science, scientific computing, and machine learning. [Read more.](#)

Please use your JSC account to log in or register if you have not already done so. It's also possible to log in via Helmholtz AAI. [?](#)

Login

Jupyter-JSC 74 JUWELS 33 JURECA 18 JUSUF 4

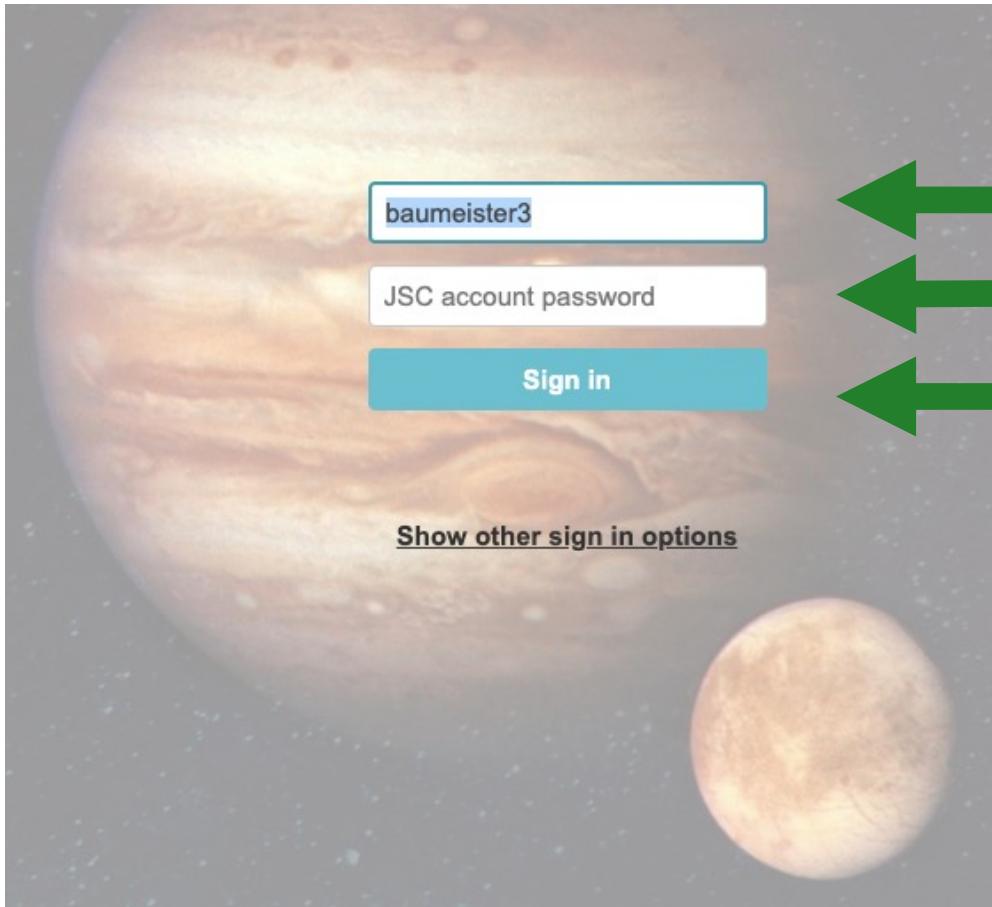
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HELMHOLTZ RESEARCH FOR GRAND CHALLENGES



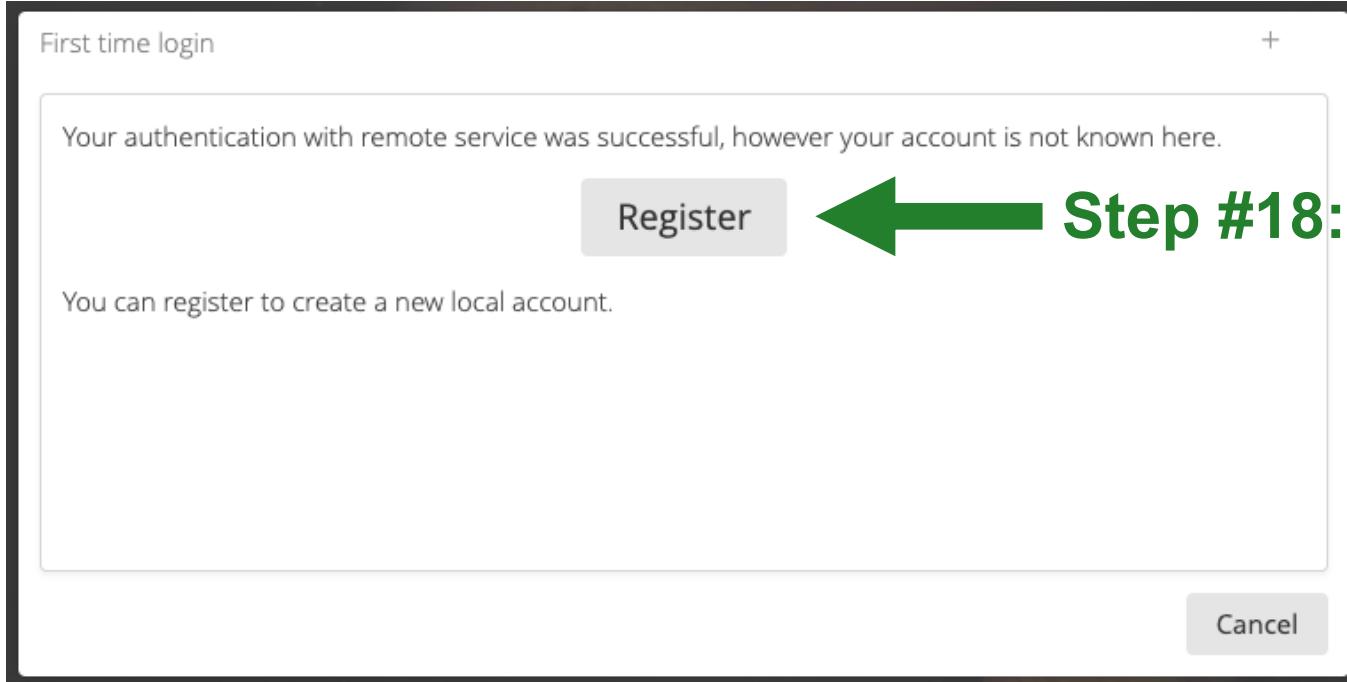
Step #17 – Login with JSC account

Use credentials from step #4 and #5



- ← Step #17a: Username
- ← Step #17b: Password
- ← Step #17c: Sign in

Step #18 – Register service



Step #19 – Read and agree

Registration form



UPYTER
JSC
SUPERCOMPUTING IN YOUR BROWSER

Declaration of consent

This service is operated for the purpose of access to connected services provided by the Juelich Supercomputing Centre (JSC). The connected services may present additional Terms of Service.

► [Terms of Service of the JSC Authentication Service](#) (please expand)
► [Privacy Policy of the JSC Authentication Service](#) (please expand)

I have read and understood the terms of use and agree to them unconditionally.
I have been informed that I can withdraw my consent at any time.

I agree
(mandatory)

Cancel Submit

Step #19a: Tick

Step #19b: Submit

Step #20 – Check your emails again

Please verify the sender before opening the confirmation link



Step #21 – Login to Jupyter again

<https://jupyter-jsc.fz-juelich.de>



ELS 33

JURECA 18

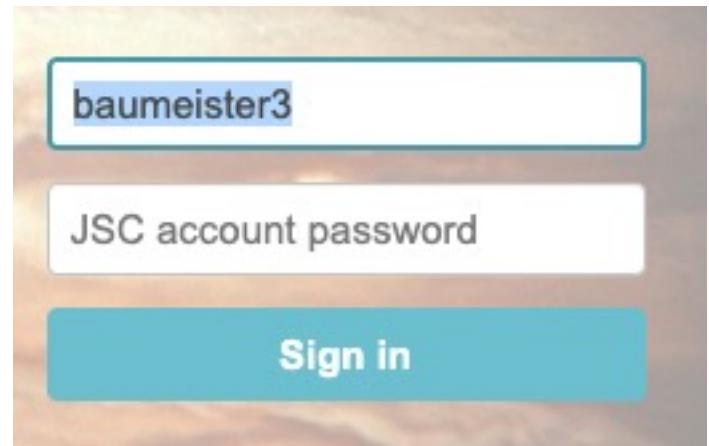
JUSUF 4

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Step #21b:
see step #17

Step #21a: Login



Step #22 – Welcome to Jupyter

You can configure your existing JupyterLabs by expanding the corresponding table row.

	Name	Configuration	Status	Actions
+	NEW JUPYTERLAB			

← Step #22a: Add a new lab

	Name	Configuration	Status	Actions
+	NEW JUPYTERLAB			

Lab Config

Name: Give your lab a name
Version: JupyterLab - 3.6

Resources

System: JUSUF

Account: baumeister1

Kernels and Extensions

Project: training2407

Partition: LoginNode

Start

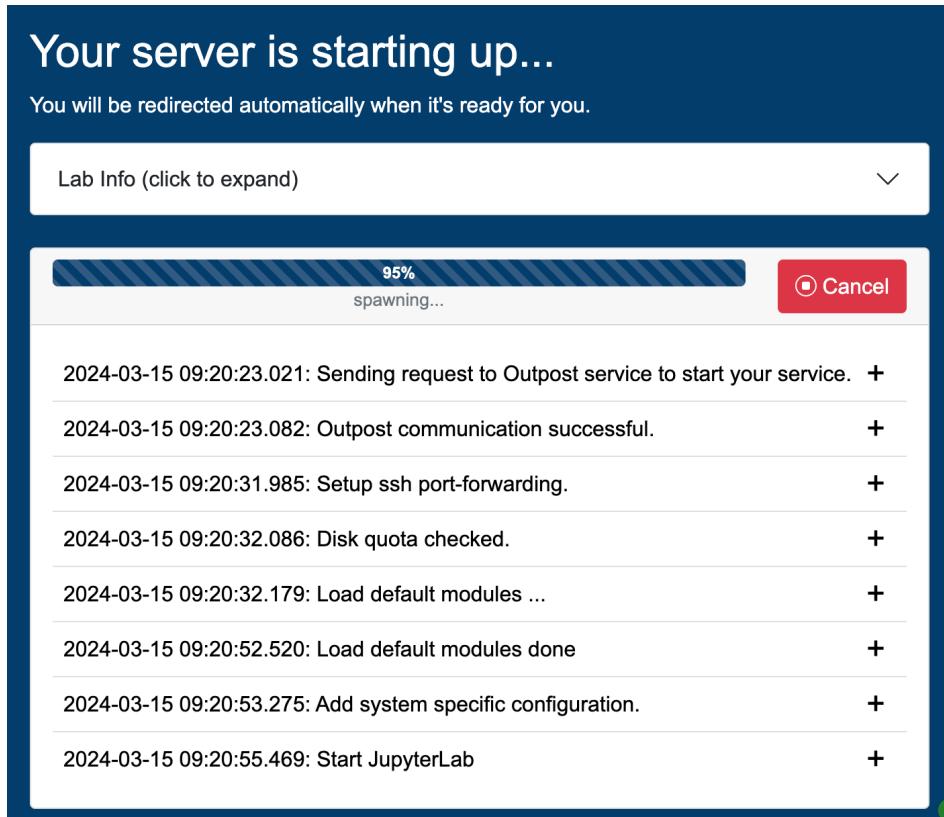
← Step #22b: Configure like shown here

Q: Why can I only choose HDF-Cloud, not JUSUF?

A: Please wait some minutes, use F5 to refresh.

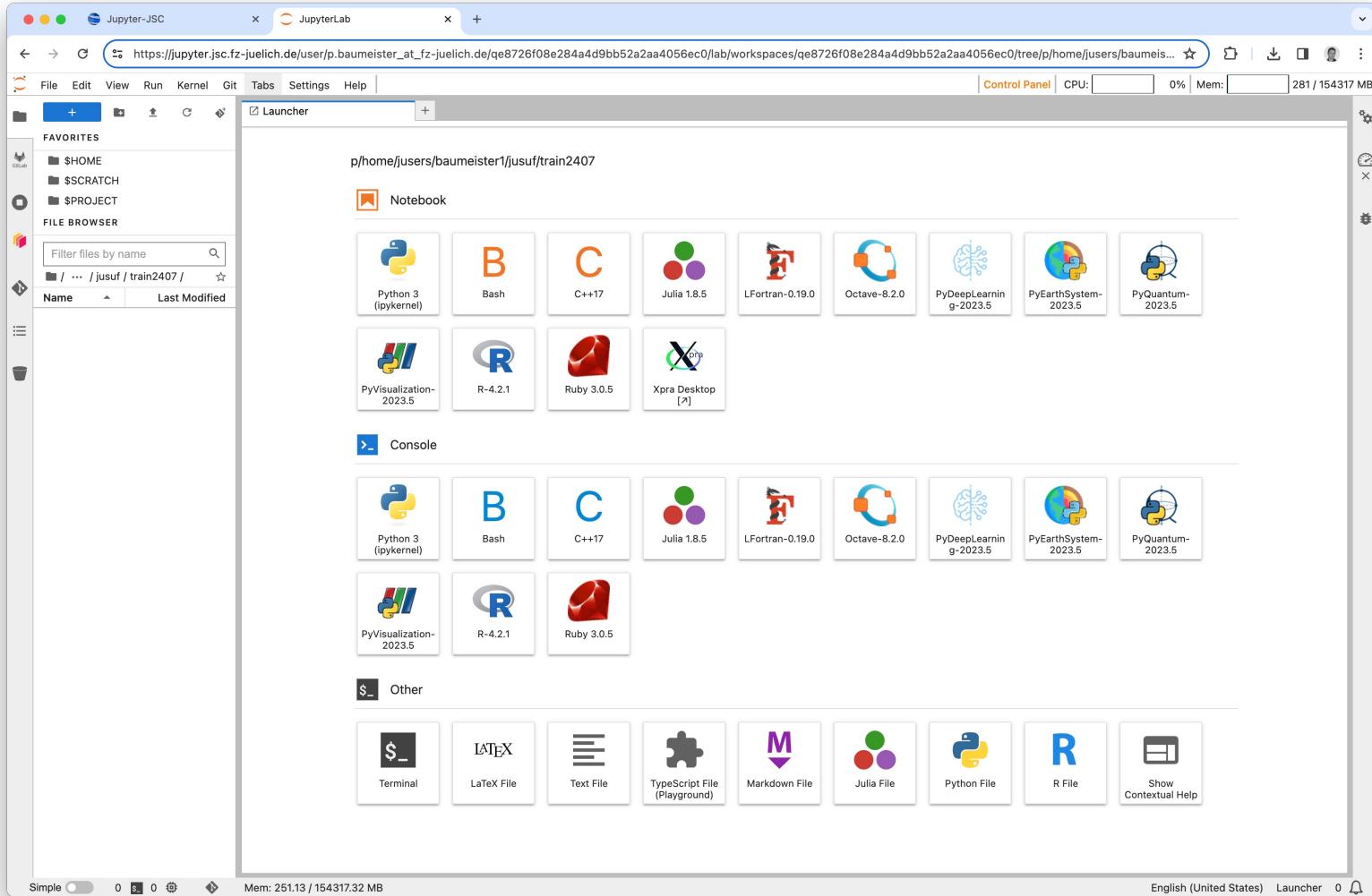
← Step #22c: Start

Step #23 – Wait for resources



Step #23: Wait

Step #24 – Ready to launch



Support

Please contact us when questions arise

To: Paul Baumeister p.baumeister@fz-juelich.de
cc: Marina Ganeva m.ganeva@fz-juelich.de