

OnDemand access to Hellbender

Hellbender provides two different ways of access: SSH (Secure Shell) and OnDemand. SSH uses the Linux command line. SSH is ideal for automation and best suited for highly computationally demanding jobs. You can connect to SSH using MobaXterm or PuTTY for Windows, or a terminal for Linux and macOS. OnDemand access is available in your browser via a web portal and is very useful for 1) opening a terminal; 2) uploading and downloading files without using command-line tools; 3) submitting Slurm jobs through forms; and 4) launching interactive applications (if supported), such as RStudio Server, Jupyter Notebook, MATLAB, or a Linux desktop session.

Accessing Hellbender via OnDemand will allow you to 1) access the same home directory as the SSH; 2) see the same project directories; 3) submit jobs to the same Slurm scheduler; and 4) run jobs on the same compute nodes. However, SSH access is better suited to highly specialized processes and jobs.

To access Hellbender using the OnDemand setup, follow the next steps:

1. Follow the following link:

<https://docs.itrss.umsystem.edu/pub/hpc/hellbender>

2. Scroll down to the “Open OnDemand” link
3. Use the link for “Researchers”

Browser

See https://docs.itrss.umsystem.edu/pub/hpc/hellbender#open_ondemand on how to access Hellbender via Open OnDemand.

Open OnDemand

- <https://ondemand.net.missouri.edu> - Hellbender Open OnDemand (Researcher)
- <https://hb-classes.missouri.edu> - Hellbender Classes Open OnDemand (Classes)

OnDemand provides an integrated, single access point for all of your HPC resources. The following apps are currently available on Hellbender's Open OnDemand.

- Jupyter Notebook
- RStudio Server
- Virtual Desktop
- VSCode

4. Log in using your ORCID information



Sign in to ORCID

Don't have your ORCID ID yet? [Register now](#)

Email or ORCID ID

For example: joe@institution.edu or 0000-1234-5678-9101

Password

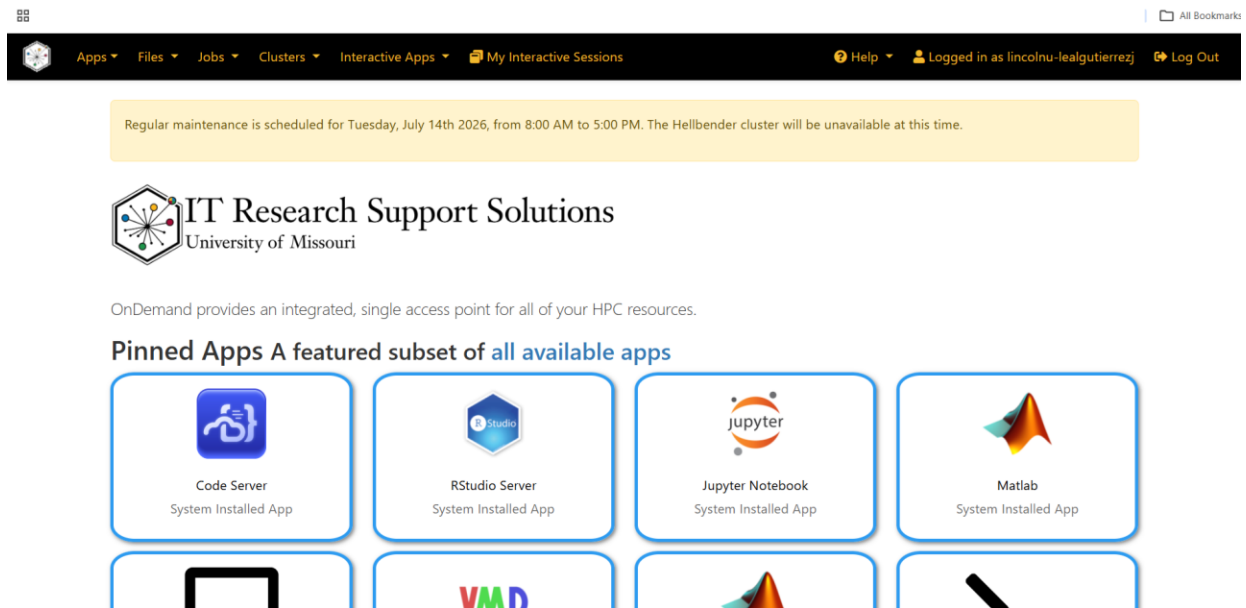
Sign in to ORCID

[Forgot your password or ORCID ID?](#)

OR

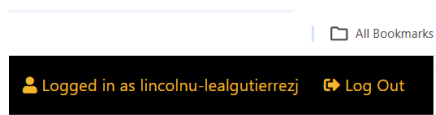
 Sign in through your institution

5. Accessing Hellbender via OnDemand will open the following window:



You will see the following information:

- Your Hellbender user ID and the Log Out button.



- Navigation and help buttons

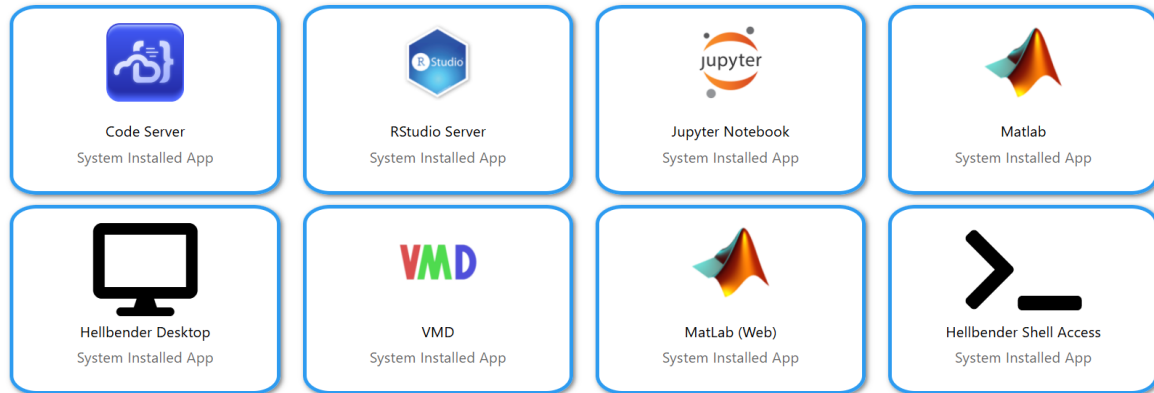


- Available software and applications



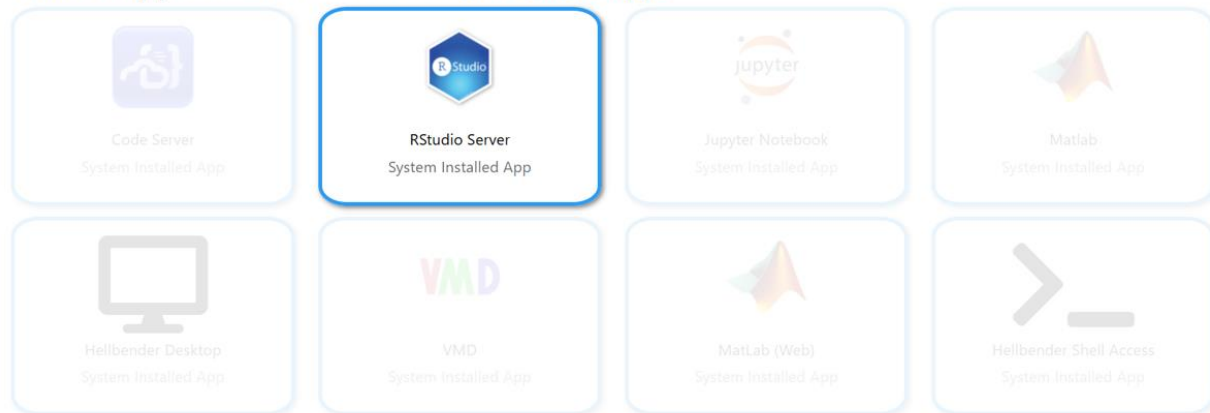
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Pinned Apps A featured subset of **all available apps**



6. To open an R session, click on RStudio Server

Pinned Apps A featured subset of **all available apps**



7. Accessing RStudio will provide the following page:

Regular maintenance is scheduled for Tuesday, July 14th 2026, from 8:00 AM to 5:00 PM. The Hellbender cluster will be unavailable at this time.

[Home](#) / [My Interactive Sessions](#) / RStudio Server

Interactive Apps

Desktops

 Hellbender Desktop

GUIs

 Matlab

 VMD

Servers

 Code Server

 Jupyter Notebook

 MatLab (Web)

 **RStudio Server**

RStudio Server

This app will launch [RStudio Server](#) an IDE for R on the [Hellbender Cluster](#).

Account

Partition

Number of hours

Maximum of 48 hours

Node Type

Number of Nodes

Number of CPUs

Memory (GB)

Advanced Options

Enter additional SLURM options.

For example, to run in a reservation use `--reservation=my_reservation`. To run an MPI application use `--ntasks` or `--ntasks-per-node`.

R version

This defines the version of R you want to load.

[Launch](#)

* The RStudio Server session data for this session can be accessed under the [data root directory](#).

You can modify running settings such as the number of nodes to be used, the number of CPUs required, and the memory.

8. Click “Launch”
9. You will see the following page:

Home / My Interactive Sessions

Interactive Apps

Desktops

Hellbender Desktop

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VMD

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Jupyter Notebook

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RStudio Server

RStudio Server (14816181) 1 node | 1 core | Running

Host: [c159.mgmt.hellbender](#) Cancel

Created at: 2026-07-02 08:28:06 CDT

Time Remaining: 2 hours and 29 minutes

Session ID: a6d4637a-69dc-4211-b5b0-3d5b8bb2bfbf

Connect to RStudio Server

RStudio Server (14816237) Completed | Edit | Refresh

Created at: 2026-07-02 08:58:24 CDT Delete

Session ID: c35b96ef-d7af-4276-a983-a9101df26c99

For debugging purposes, this card will be retained for 6 more days

This includes other interactive apps for calling, the currently requested RStudio job, and completed jobs.

10. On the “Running” RStudio Server, click “Connect to RStudio Server” and click “Launch” afterward

Home / My Interactive Sessions

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RStudio Server

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Host: [c159.mgmt.hellbender](#) Cancel

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Session ID: c35b96ef-d7af-4276-a983-a9101df26c99

For debugging purposes, this card will be retained for 6 more days

11. After lunch, you will see the standard RStudio window from which you can run any script.

Lincoln University of Missouri | My Interactive Sessions - RSS | RStudio Server | Ask Gemini

ondemand.rnet.missouri.edu/mode/c159.mgmt.hellbender/57973/

RStudio Server Interface

Console: R 4.2.0 (2022-04-22) -- "Vigorous Calisthenics"
Copyright (C) 2022 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.
Natural language support but running in an English locale
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.
Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

Environment: Environment is empty

Files: New Folder, New Blank File, Upload, Delete, Rename, More

Home

	Name	Size	Modified
☐	data		
☐	ondemand		
☐	R		