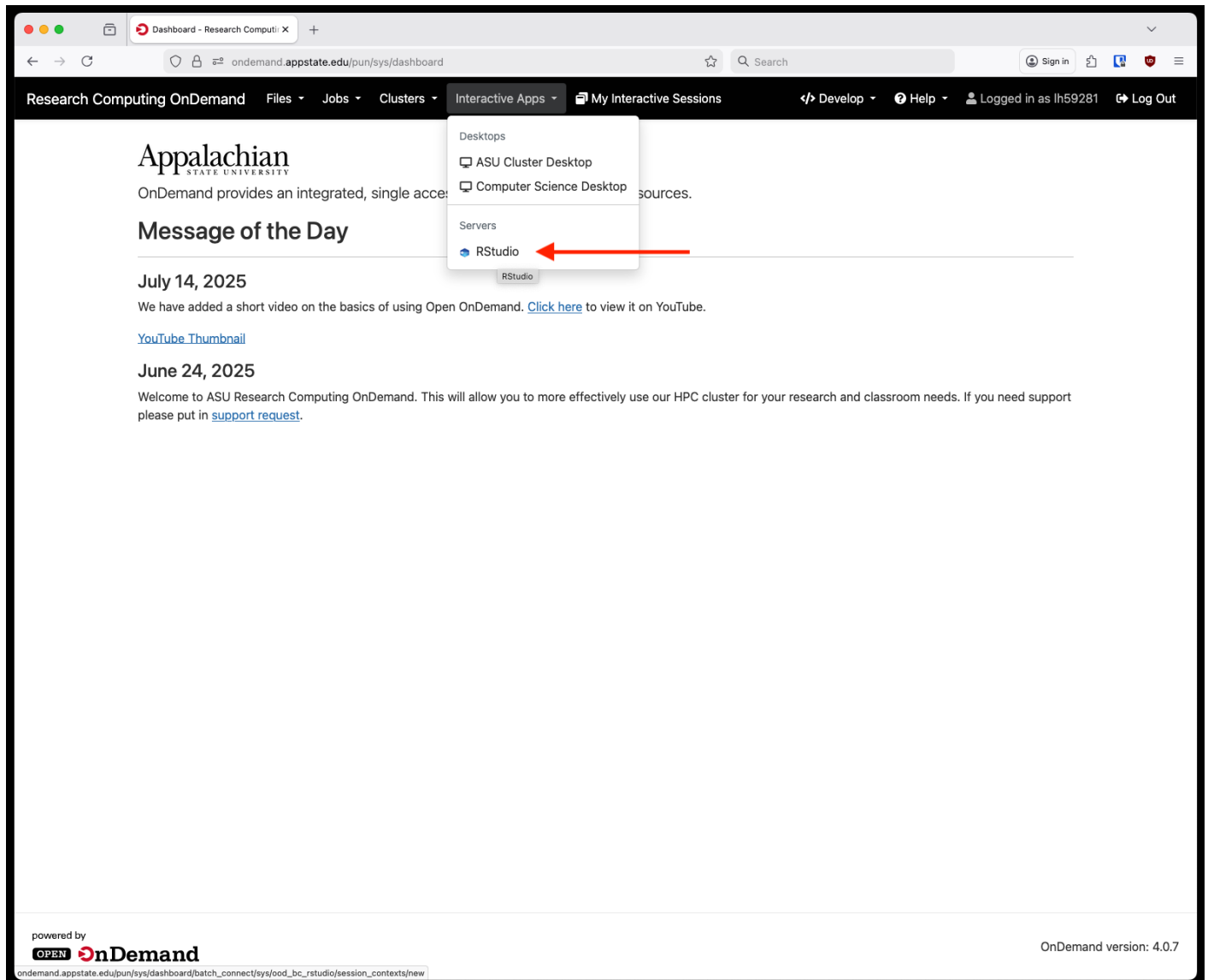


RStudio Open OnDemand Application

We now have RStudio available through [Open OnDemand](#). It is accessed similarly to other interactive applications, first login to OnDemand and from the home screen select Rstudio from under Interactive Apps and Servers:



Next, fill out the information requested on the form page. There are a few pre-defined sizes for resource allocation, this will be the total amount of RAM and CPU available to your Rstudio session. An optional email field is so you can receive an email when you session starts or closes. Partition choice should mostly be compute for faculty research.

Right now we only have one RStudio container available but as time progresses we will be keeping a small library of different versions or builds. If you need a customized container please reach out to the Research Computing team.

The screenshot shows the RStudio OnDemand web interface. The browser address bar shows the URL: `ondemand.appstate.edu/pun/sys/dashboard/batch_connect/sys/ood_bc_rstudio/session_context`. The page has a dark header with navigation links: Research Computing OnDemand, Files, Jobs, Clusters, Interactive Apps, My Interactive Sessions, Develop, Help, and a user profile section showing 'Logged in as lh59281' and a 'Log Out' button. The main content area has a breadcrumb trail: Home / My Interactive Sessions / RStudio. On the left, there are two sidebars. The first sidebar, 'Interactive Apps', has a 'Desktops' section with 'ASU Cluster Desktop' and 'Computer Science Desktop', and a 'Servers' section with 'RStudio'. The second sidebar, 'Interactive Apps [Sandbox]', has a 'Servers' section with 'Jupyter Lab' and 'RStudio'. The main content area is titled 'RStudio' and contains the following sections: 1. A description: 'This app will launch an RStudio Server on a compute node.' 2. A list of instructions:

- To stop the job, click 'Delete' on the running interactive session card in OnDemand.
 - If you wish to preserve your console history, be sure to quit your session (red button top right) before stopping the job.
- [Documentation](#).

3. 'Number of Hours': A dropdown menu set to '1'. Below it, text says 'How long do you need the session? (Max 24 hours)'. 4. 'Partition Selection': A dropdown menu set to 'compute'. Below it, text says 'Debug: for classroom and testing use, compute: production research work.' 5. 'System Configuration': A dropdown menu set to '4 CPU, 8GB memory'. Below it, text says 'Select the CPU and memory configuration for R Studio, larger datasets require more resources.' 6. 'Email Address': A text input field containing 'lh59281@appstate.edu'. Below it, text says 'Enter your email address if you would like to receive job notifications (start, finished, failed, etc...). Otherwise, leave the field empty.' 7. 'RStudio Container Selection': A dropdown menu set to 'R 4.5.1 and RStudio 2025.09.2-418'. Below it, text says 'Select an Rstudio Version'. 8. A large blue 'Launch' button. 9. A footnote: '* The RStudio session data for this session can be accessed under the [data root directory](#).' The footer of the page shows 'powered by OnDemand' on the left and 'OnDemand version: 4.0.7' on the right.

Research Computing OnDemand Files Jobs Clusters Interactive Apps My Interactive Sessions Develop Help Logged in as lh59281 Log Out

Home / My Interactive Sessions / RStudio

Interactive Apps

Desktops

- ASU Cluster Desktop
- Computer Science Desktop

Servers

- RStudio

Interactive Apps [Sandbox]

Servers

- Jupyter Lab
- RStudio

RStudio

This app will launch an [RStudio Server](#) on a compute node.

- To stop the job, click 'Delete' on the running interactive session card in OnDemand.
 - If you wish to preserve your console history, be sure to quit your session (red button top right) before stopping the job.
- [Documentation](#).

Number of Hours

1

How long do you need the session? (Max 24 hours)

Partition Selection

compute

Debug: for classroom and testing use, compute: production research work.

System Configuration

4 CPU, 8GB memory

Select the CPU and memory configuration for R Studio, larger datasets require more resources.

Email Address

lh59281@appstate.edu

Enter your email address if you would like to receive job notifications (start, finished, failed, etc...). Otherwise, leave the field empty.

RStudio Container Selection

R 4.5.1 and RStudio 2025.09.2-418

Select an Rstudio Version

Launch

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

powered by OnDemand OnDemand version: 4.0.7

After you click Launch you'll be taken to a screen to wait for the session to start. This might take a minute give or take. After it is ready you will see a button appear that says "Connect to Rstudio Server."

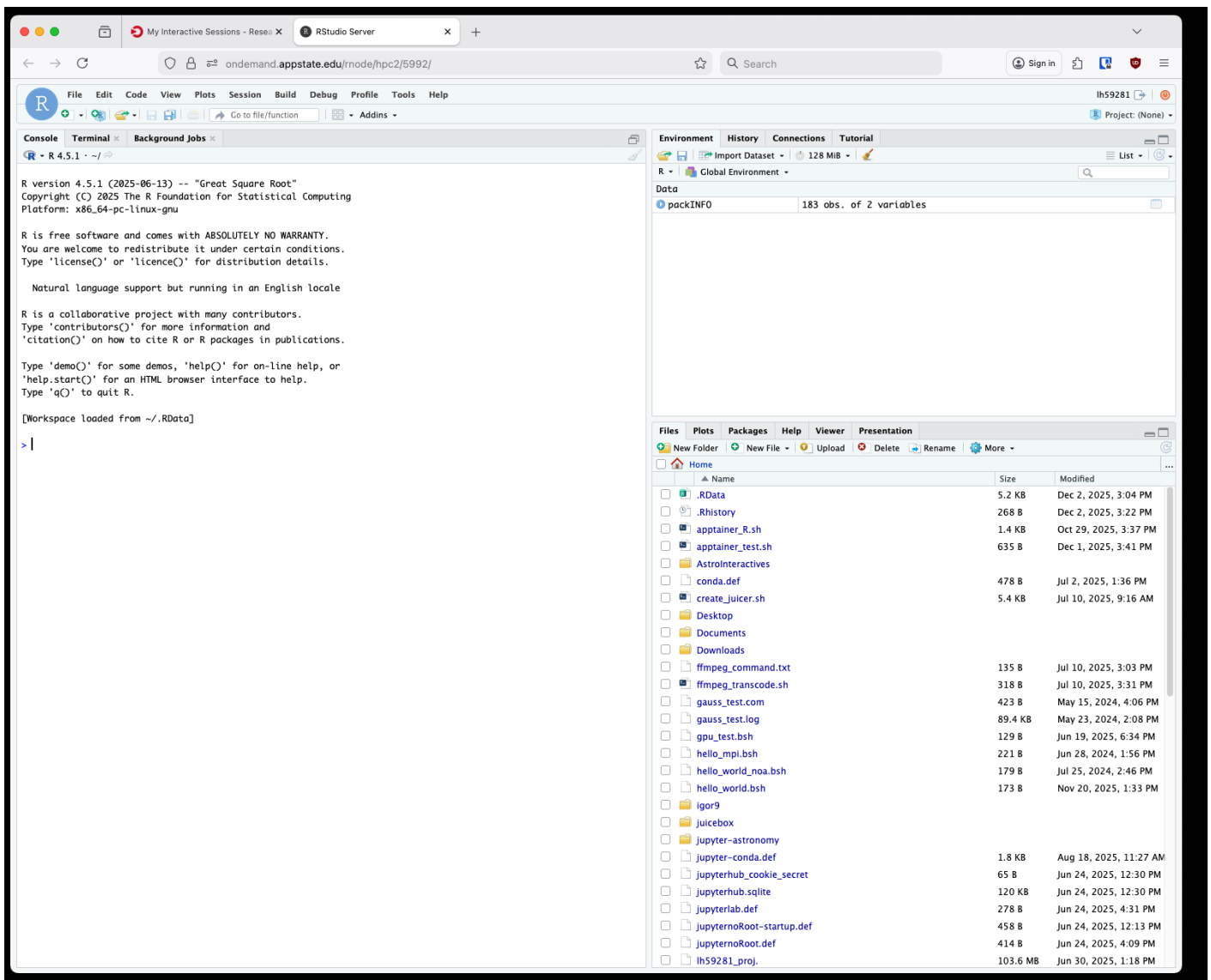
The screenshot displays the Research Computing OnDemand web interface. The browser's address bar shows the URL `ondemand.appstate.edu/pun/sys/dashboard/batch_connect/sessions`. The top navigation bar includes links for Files, Jobs, Clusters, Interactive Apps, and My Interactive Sessions, along with a 'Develop' button and a 'Help' icon. The user is logged in as 'lh59281' and can click 'Log Out'.

The main content area is titled 'Home / My Interactive Sessions'. On the left, there are two panels: 'Interactive Apps' and 'Interactive Apps [Sandbox]'. The 'Interactive Apps' panel lists 'Desktops' (ASU Cluster Desktop, Computer Science Desktop) and 'Servers' (RStudio). The 'Interactive Apps [Sandbox]' panel lists 'Servers' (Jupyter Lab, RStudio).

The central panel displays details for an 'RStudio (12027)' session, which is 'Running' on '1 node' and '4 cores'. It shows the 'Host' as `>_hpc2`, the 'Created at' time as '2026-02-25 13:24:24 EST', the 'Time Remaining' as '59 minutes', and the 'Session ID' as 'a1ba009d-e158-40cf-9383-e9b45f2fcc66'. A red 'Delete' button is located next to the session details. At the bottom of this panel, there is a blue button labeled '@ Connect to RStudio Server', which is pointed to by a red arrow.

The footer of the page indicates it is 'powered by' 'OPEN OnDemand' and shows the 'OnDemand version: 4.0.7'.

After clicking that a new tab will open with your RStudio session:



These containers are immutable so you'll need to install packages to your home directory through the R console as you go.

Revision #1

Created 2026-02-25 18:25:24 UTC by Leander Hutton

Updated 2026-02-25 18:50:17 UTC by Leander Hutton