

For this course we will be using Farm OnDemand. First go to UCDavis HiPPO (the high-performance personnel onboarding) site and make an account:

<<https://hippo.ucdavis.edu/Farm/myaccount>>. The group will be: rbay-eve198-genomics-grp and the supervising PI is: Rachael Bay. If you already have access to a farm account, click “request access to another group” and fill in the same information.

A text box will pop up. Fill out name and other information for a farm account. Two boxes will be clicked: unclick SSH (you will not have an SSH key) and make sure “ondemand” is clicked.

After you have filled out your information for your farm account at you will get an email from HiPPO that your farm account has been approved! It will take a little bit so do this ASAP!



## Your account has been processed

Your account and group association on **Farm** has been processed and should be live within 30 minutes.

You can access the cluster from the machine on which you generated your SSH key with the following command:

```
ssh youremailname@farm.hpc.ucdavis.edu
```

You are a member of the following Unix groups:

- *rbay-eve198-genomics-grp*

Setting up your farm account

Then navigate to this website to open you ondemand farm window:

<https://ondemand.farm.hpc.ucdavis.edu/pun/sys/dashboard/>

Click “farm” on that page!



Some HPCCF clusters have [Open OnDemand](#) (OOD). OOD allows access to cluster resources using a web browser. All OOD apps are automatically launched through Slurm jobs, so you have access to your normal cluster resources. Just like sbatch jobs, OOD apps (jobs) run even when your browser is not attached, so you can reattach to a running OOD app just by going back to the OOD website.

Clusters with Open OnDemand: ¶

- [Farm](#)
- [Franklin](#)
- [Hive](#)

Click here!

Setting up your farm account

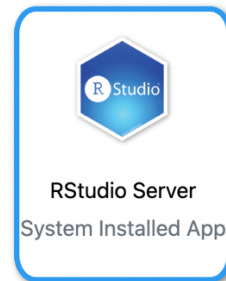
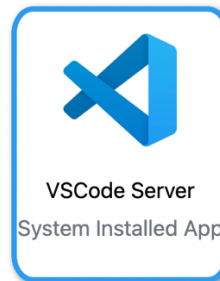
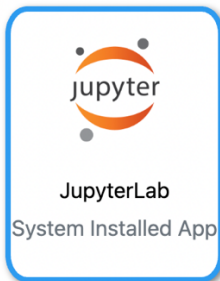
Then click “farm desktop”. Later in the class we will navigate to the RStudio server (week 5)

Welcome to OpenOnDemand! If you have any issues or questions regarding this site, please consult our [user documentation](#).



OnDemand provides an integrated, single access point for all of your HPC resources.

**Pinned Apps** A featured subset of [all available apps](#)



## Setting up your farm account

Now your screen should look like this! Use the following account, partition, 1 core and 10 GB memory below. Most of the jobs we run won't need a lot of memory so we will stick with the baseline set up. The length of time your request for your job runs can vary, but start

Interactive Apps

Desktops

**Farm Desktop**

Servers

JupyterLab

RStudio Server

VSCode Server

### Farm Desktop

This app will launch an interactive desktop on one or more compute nodes. You will have full access to the resources these nodes provide. This is analogous to an interactive batch job.

Account

rbay-eve198-genomics-grp

Select the slurm group account (i.e hpccfgrp)

Partition

high2

Select a slurm partition.

Number of cores

1

Enter the number of cores needed for your job

Amount of memory

10

Enter the amount of RAM in GB you need for your job

by having your job run for 3 hours so that it lasts the length of the class. Then hit launch!

Number of hours

3

☒ I would like to receive an email when the session starts

Launch

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

Click here!

## Setting up your farm account

If you click the wrong account/partition you will get this error:

### Failed to submit session with the following error:

```
sbatch: error: Batch job submission failed: Invalid account or account/partition combination s
```

- If this job failed to submit because of an invalid job name please ask your administrator to configure OnDemand to set the environment variable OOD\_JOB\_NAME\_ILLEGAL\_CHARS.
- The Farm Desktop session data for this session can be accessed under the [staged root directory](#).

It will take some time, but once your job goes from queued to running you can click the button “launch farm desktop”

Session was successfully created.

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

#### Interactive Apps

[Desktops](#)

 [Farm Desktop](#)

[Servers](#)

#### Farm Desktop (21761124)

Queued

**Created at:** 2025-03-19 13:14:22 PDT

**Time Requested:** 3 hours

 Cancel

#### Farm Desktop (21761124)

1 node

1 core

Running

**Host:** [>\\_cpu-6-74.farm.hpc.ucdavis.edu](#)

 Cancel

**Created at:** 2025-03-19 13:14:22 PDT

**Time Remaining:** 2 hours and 59 minutes

**Session ID:** [72c12c65-3883-4584-8186-9c55b63ed986](#)

Compression

0 (low) to 9 (high)

Image Quality

0 (low) to 9 (high)

Launch Farm Desktop

View Only (Share-able Link)

Click here!

Setting up your farm account

Your screen will then open up a desktop with a mouse as the background. Click the black box at the bottom to open up terminal. Now we ready to start coding!

