



Open OnDemand on Ookami



OOKAMI

OPEN

OnDemand

What is Open OnDemand?



Open OnDemand (OOD) is an open-source web portal developed at the Ohio Supercomputer Center that allows HPC access from any device with an internet browser.



What can I do with OOD on OOkami?



- Submit jobs through a graphical user interface (GUI) to any of the “normal” Ookami partitions

Jobs

The screenshot displays the OOkami GUI. At the top, there are buttons for '+ New Job', 'Create Template', 'Edit Files', 'Job Options', 'Open Terminal', 'Submit', 'Stop', and 'Delete'. Below these is a search bar and a table of jobs. The table has columns for 'Created', 'Name', 'ID', 'Cluster', and 'Status'. The first job is '(default) Simple Sequential Job' with status 'Not Submitted'. The other four jobs are 'test_pi', 'test_mpi', 'test_mpi', and 'test_mpi', all with status 'Completed'. Below the table is a pagination control showing 'Showing 1 to 5 of 5 entries' and 'Previous 1 Next'. To the right, the 'Job Details' panel shows 'Job Name: (default) Simple Sequential Job', 'Submit to: Ookami Cluster', 'Account: Not specified', 'Script location: /lustre/home/decarlson/ondemand/data/sys/myjobs/projects/default/6', and 'Script name: main_job.sh'.

Created	Name	ID	Cluster	Status
February 22, 2024 1:39pm	(default) Simple Sequential Job		Ookami Cluster	Not Submitted
January 23, 2024 10:55am	test_pi	169790	Ookami Cluster	Completed
January 18, 2024 9:10am	test_mpi	169788	Ookami Cluster	Completed
January 18, 2024 9:08am	test_mpi	169929	Ookami Cluster	Completed
January 18, 2024 9:00am	test_mpi	169833	Ookami Cluster	Completed

Showing 1 to 5 of 5 entries

Job Details

Job Name:
(default) Simple Sequential Job

Submit to:
Ookami Cluster

Account:
Not specified

Script location:
/lustre/home/decarlson/ondemand/data/sys/myjobs/projects/default/6

Script name:
main_job.sh

What can I do with OOD on OOkami?



Launch interactive applications directly in your browser

The screenshot shows a JupyterLab interface. At the top, it says "jupyter Untitled12 Last Checkpoint: 41 seconds ago". Below that is a menu bar with "File", "Edit", "View", "Run", "Kernel", "Settings", and "Help". On the right, there's a "Trusted" badge and a Python logo. Below the menu is a toolbar with icons for save, copy, paste, and other actions. The main area contains a code cell with the following content:

```
[1]: print("Hello world, from OOD!")
```

The output of the cell is "Hello world, from OOD!".

The screenshot shows an RStudio interface. The main window is empty. Below it is a terminal window with the following text:

```
R 4.2.1 - ~/ -/
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.

Connected to your session in progress, last started 2024-Mar-05 14:35:19 UTC (21 hours ago)
>
```

On the right side, there is a file explorer showing a list of files and folders:

Name	Size	Modified
Home		
._history	225 B	Jan 31, 2024, 9:31 AM
1	141 B	Apr 15, 2021, 11:24 AM
1_build_python_and_deps.sh	2 KB	Sep 18, 2023, 2:35 PM
2_build_numpy_scipy_mixed.sh	1.7 KB	Sep 18, 2023, 2:35 PM
4col.csv	180 B	Mar 1, 2021, 3:11 PM
10_setup_resnet.sh	1.4 KB	Oct 14, 2021, 3:54 PM
11_train_resnet-single.sh	2 KB	Oct 14, 2021, 3:55 PM
3.out	76.1 KB	Feb 6, 2024, 1:20 PM
amlie-dsocs		
animals.tsv	108 B	Jan 25, 2023, 6:08 PM
arm.hello.c	72 B	Jan 25, 2021, 12:02 PM
arm-test.tif	604.6 MB	Oct 19, 2023, 8:38 AM
athena4.2		
athena4.2.tar.gz	684.5 KB	Jul 31, 2013, 6:59 PM

What can I do with OOD on OOkami?



- ❑ Access Ookami's shell environment in your browser

```
Host: fj-ood.ookami.stonybrook.edu

All users of this system agree to the
Stony Brook University policies laid out in

https://it.stonybrook.edu/policies

Reading $DUO_PASSCODE...

Pushed a login request to your device...
Success. Logging you in...

Welcome to Ookami
NSF Fujitsu A64FX testbed from HPE/Cray

Documentation and help: https://stonybrook.edu/ookami/support/

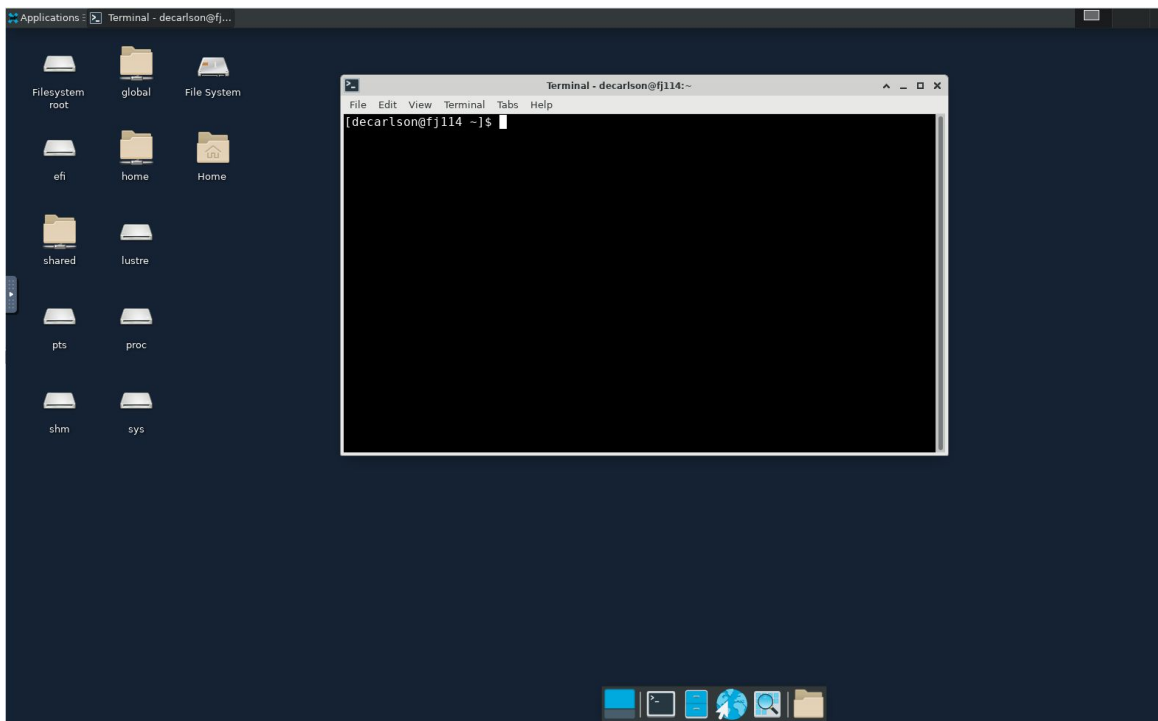
Do "module avail" to see available software packages

[decarlson@fj-ood ~]$ pwd
/lustre/home/decarlson
[decarlson@fj-ood ~]$
```

What can I do with OOD on OOkami?



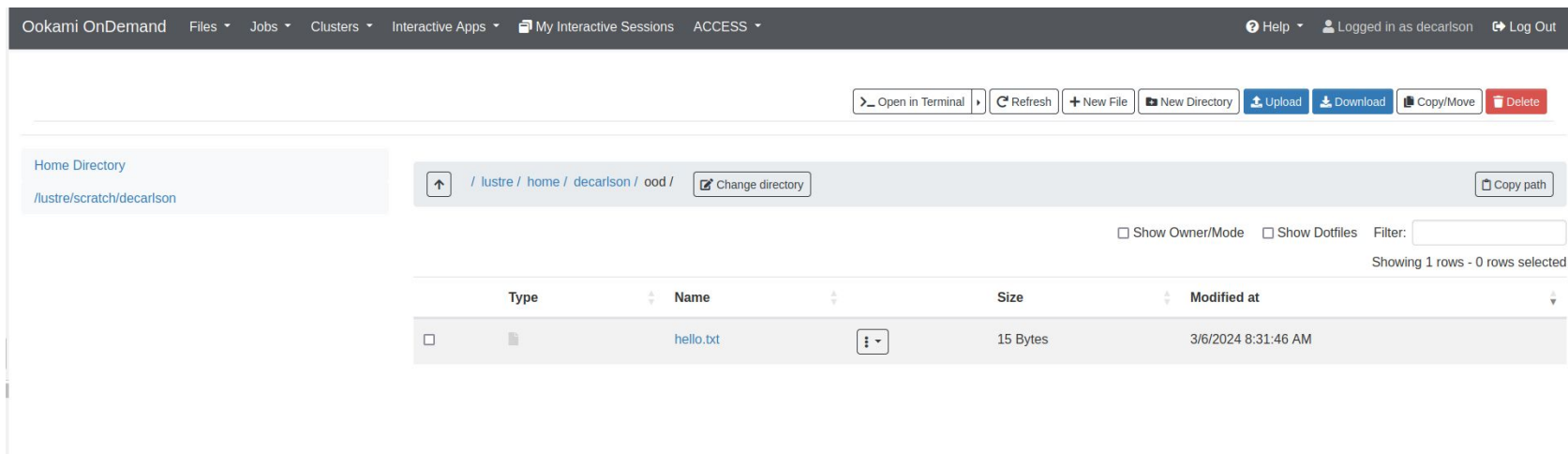
Access an interactive desktop



What can I do with OOD on OOkami?





📄 Browse and edit your files in GUI environment



The screenshot displays the OOkami OnDemand web interface. At the top, a dark navigation bar contains the text "Ookami OnDemand" and several dropdown menus: "Files", "Jobs", "Clusters", "Interactive Apps", "My Interactive Sessions", and "ACCESS". On the right side of this bar are links for "Help", "Logged in as decarlson", and "Log Out". Below the navigation bar is a toolbar with buttons for "Open in Terminal", "Refresh", "New File", "New Directory", "Upload", "Download", "Copy/Move", and "Delete".

The main content area shows a file browser for the directory `/lustre/home/decarlson/ood/`. A "Home Directory" sidebar on the left shows the path `/lustre/scratch/decarlson`. The browser includes a breadcrumb trail, a "Change directory" button, and a "Copy path" button. There are checkboxes for "Show Owner/Mode" and "Show Dottedfiles", along with a "Filter:" input field. Below this, it indicates "Showing 1 rows - 0 rows selected".

Type	Name	Size	Modified at
<input type="checkbox"/>	 hello.txt 	15 Bytes	3/6/2024 8:31:46 AM

How can I access OOD for Ookami?



- ❑ Point your browser to:

<https://fj-ood.ookami.stonybrook.edu/>

- ❑ Login with your Ookami credentials (NetID & password)
- ❑ [Access anywhere, from any device!](#)

OOD live demo



- ❑ Let's try it out!

How can I get help?



- ❏ Check out our [FAQ article](#) on OOD

- ❏ Come to virtual office hours:
 - Tuesday 10am - noon EST
 - Thursday 2pm - 4pm EST
 - Request the zoom link [here](#)

- ❏ Ask questions on the Ookami Slack page