

# Exercise 01-Getting Started on the HPC

Peter S. Hovmand

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## Accessing the High Performance Computing (HPC) cluster

The easiest way to get started with the HPC is to go to the OnDemand web portal, where you can develop and test code interactively using RStudio server and submit/manage batch jobs that require more computationally intensive resources in terms of memory and cores.

You can access the the OnDemand web portal by going to <https://ondemand.case.edu>, where you may be prompted to enter your user name, password, and 2-factor authentication. Once you have been added to the CBSD Lab group under psh39, you should be able to access the CBSD Lab Stella Simulator license.

To check this, change your directory to `/home/psh39/Stella_Simulator`, and you should see the following files:

The screenshot shows the OnDemand web portal interface. The browser address bar displays `ondemand.case.edu/pun/sys/dashboard/files/fs//home/psh39/Stella_Simulator`. The portal header includes navigation links like 'Apps', 'My Projects', 'Systems Thinking...', 'Scopus - Docume...', 'GitHub', 'Cleveland Health...', 'Overleaf', 'SDRC', 'Homepage', and 'Other Bookmarks'. A dark navigation bar contains 'CWRU HPC OnDemand Web Portal', 'Apps', 'Files', 'Jobs', 'Clusters', 'Interactive Apps', and 'My Interactive Sessions'. The main content area shows the file browser for the directory `/home/psh39/Stella_Simulator/`. It includes a 'Change directory' button and a 'Copy path' button. A table lists the files and directories in the current directory.

Type	Name	Size	Modified at
Folder	obj	-	7/15/2021 2:17:52 AM
File	license.xml	1.46 KB	7/15/2021 11:11:43 PM
File	limits to growth.stmx	19.5 KB	7/15/2021 11:16:19 PM
File	LTG.txt.csv	2.93 MB	7/15/2021 11:17:46 PM
File	LTG.txt_defs.csv	165 Bytes	7/15/2021 11:17:46 PM
File	Read_Me.txt	2.99 KB	7/15/2021 2:17:46 AM
File	stella_simulator	56.8 MB	7/15/2021 2:17:42 AM
File	Stella_Simulator_2.1.3_Linux.zip	21.3 MB	7/15/2021 11:10:50 PM

powered by **OPEN OnDemand** OnDemand version: v2.0.20

Figure 1: `/home/psh39/Stella_Simulator` director contents