

Expanse User Portal

Subhashini Sivagnanam
SDSC
March 4th, 2021

EXPANSE
COMPUTING WITHOUT BOUNDARIES

NSF Award 1928224

Expanse User Portal – Gateway to Expanse Resource

Expanse Portal Files▼ Jobs▼ Clusters▼ Interactive Apps▼  My Interactive Sessions  Help▼  Logged in as sivagnan  Log Out

SDSC
The Expanse portal provides an integrated, and easy to use interface to access Expanse HPC resource.
With the portal, researchers can manage files (create, edit, move, upload, and download), view job templates for various applications, submit and monitor jobs, run interactive applications, and connect via SSH. The portal has no end-user installation requirements other than access to a modern up-to-date web browser

powered by


- Web portal to access Expanse resource
- Integrated job and file management platform
- Built using NSF-funded Open OnDemand

Expanse Portal Features

- ***File management*** for files on Expanse Home, Lustre file systems
- ***File editor*** - Edit and save files without the need to launch a shell session.
- ***Job submission and monitoring interface***
 - Create, submit job scripts and monitor jobs.
 - Example job templates provided
- ***Interactive access*** for Matlab, RStudio jobs
- ***Command-line shell access***
- ***User information (allocation & usage info)***

No end-user installation requirement to use the Portal

Using Expanse Portal

- Valid Expanse allocation and XSEDE based credentials needed for access
- Policy (scheduler, allocation, usage etc) and guidelines set on Expanse resource is applicable while using Portal.
- <https://portal.expanse.sdsc.edu>

Demo