



ASPIRE2A JOB AND VISUALIZATION PORTALS

USER GUIDE v1.5 – 22 December 2025

ACCESS WEB OVERVIEW

About Access Web

- Access Web provides a simple, powerful and consistent interface for submitting and monitoring jobs on ASPIRE2A.
- It provides users access to remote desktop on ASPIRE2A to **visualize** the results of jobs which have been successfully completed by extracting plots and animation data.
- It provides an ability to view output of running jobs as well as for jobs which have been successfully completed.
- It facilitate file management on ASPIRE2A.
- It allows users to upload input files and to download result files to view, animate, etc., on their local system.
- **ASPIRE2A system has two different Access Web portals for different purposes, which are:**
 - 1. Job Portal: To run and manage compute intensive solver jobs on ASPIRE2A**
 - 2. Visualization Portal: To run and manage Desktop Sessions on ASPIRE2A**

Supported Browsers

- **Windows**

- Firefox latest **ESR** (Only Extended Support Release is supported. Please refer to <https://www.mozilla.org/en-US/firefox/organizations/>)
- Google Chrome latest
- Microsoft Edge

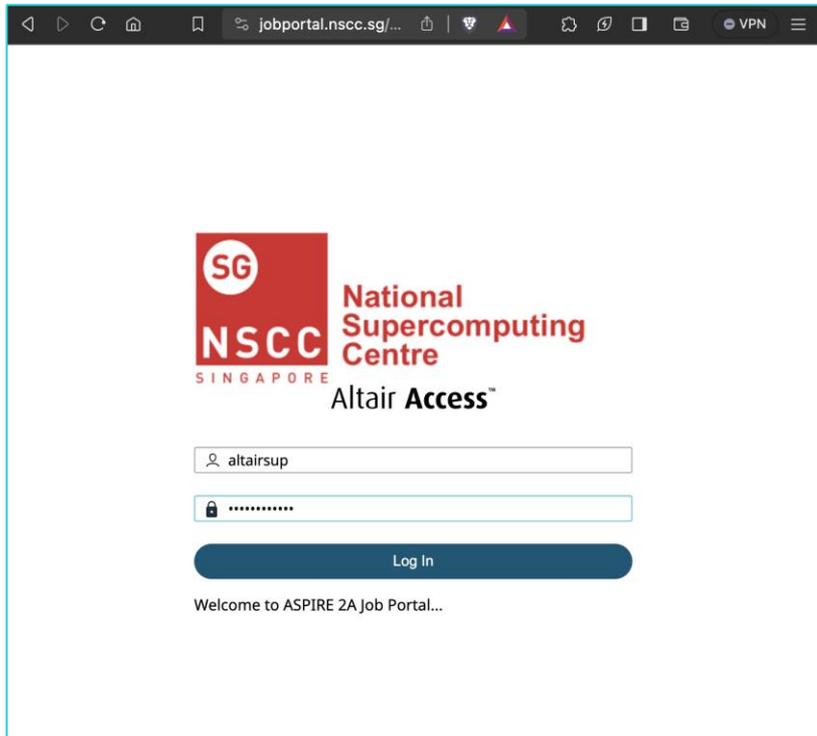
- **OSX**

- Firefox latest **ESR** (Only Extended Support Release is supported. Please refer to <https://www.mozilla.org/en-US/firefox/organizations/>)
- Google Chrome latest
- Safari Latest
- Microsoft Edge

Log into Access Web – Job Portal

To login to the **Access Web – Job Portal** from the supported browsers:

- **Enter URL** based on the network you are using from below:
 - a) <https://jobportal.nscg.sg> (from NSCC VPN network)
 - b) <https://astarjobportal.nscg.sg> (from A*STAR network)
 - c) <https://nusjobportal.nscg.sg> (from NUS network)
 - d) <https://ntujobportal.nscg.sg> (from NTU network)
 - e) <https://sutdjobportal.nscg.sg> (from SUTD network)
 - f) <https://neajobportal.nscg.sg> (from NEA network)
- Enter **username** and **password** and click ‘Log In’.

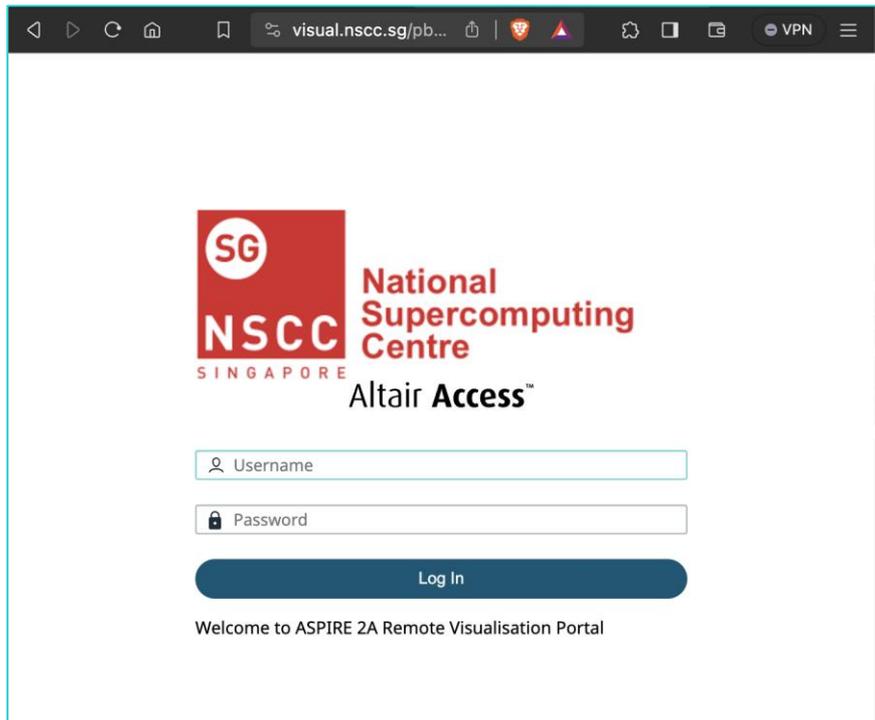


Note: Use the same credential that you use on **login nodes** of ASPIRE2A

Log into Access Web – Visualization Portal

To login to the **Access Web – Visualization Portal** from the supported browsers:

- **Enter URL** based on the network you are using from below:
 - a) <https://visual.nscg.sg> (from NSCC VPN network)
 - b) <https://astarvisual.nscg.sg> (from A*STAR network)
 - c) <https://nusvisual.nscg.sg> (from NUS network)
 - d) <https://ntuvisual.nscg.sg> (from NTU network)
 - e) <https://sutdvisual.nscg.sg> (from SUTD network)
 - f) <https://neavisual.nscg.sg> (from NEA network)
- Enter **username** and **password** and click ‘Log In’.



Note: Use the same credential that you use on **login nodes** of ASPIRE2A

JOB SUBMISSION ON ASPIRE2A JOB PORTAL

Submit Jobs

- Here are the options for submitting jobs to the **Workload Manager (PBS)** using the **Job Portal** and running them on **ASPIRE2A**.
 1. **By Selecting an Input File** : Right-click a job input file & choose a solver to submit a job using defaults for the job arguments **pre-defined** by your site's system administrator.
 - **Example:** tensorflow-hello-world.py file.
 2. **Using a Profile** : Create a **Profile**, a customized shortcut for submitting jobs. The profile can be used later to quickly submit a job.
 3. **Using a Job Submission Form** : Populate a job submission form containing all the arguments necessary to submit a job for a solver.

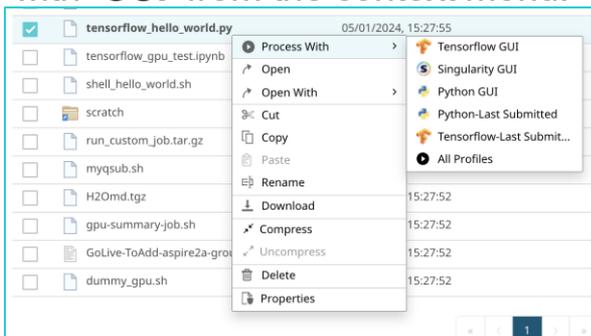
Submit Jobs

By Selecting an Input File

1. To open the input file, click the 'Files' tab and choose one of the following options:
 - a. Navigate directly to the location where job input files are stored using the **file system tree** on the left.
 - b. Use the **search box** directly.
 - c. If the **file's folder path** is known, the folder path can be directly typed in the file list view.



2. **Right-click** the job input file and select '**Process with**' the required **solvers or profiles** suffixed with '**GUI**' from the context menu.



Submit Jobs

By Selecting an Input File (cont.)

3. Select a solver or job profile

- If additional information is necessary to submit the job, then a job submission form will be displayed. Otherwise, the job is instantly submitted.

4. This job submission form contains the required **application arguments** for the application. These arguments must be **entered** for the job to be successfully submitted.

5. Click **Submit Job**

The screenshot shows the Altair Access web interface. On the left, a sidebar lists various applications, with 'Tensorflow' highlighted by a red box. The main area displays the 'Tensorflow' job submission form, also outlined in red. The form includes fields for 'Version of Tensorflow' (set to 2.8.1-py3-gpu), 'Walltime' (01:00:00), 'No. of GPU' (1), and 'Project Name' (personal). A 'Job Script' section contains a file upload area with a 'My Computer' link and a file path: /home/users/adm/sup/.../tensorflow_hello_world.py. At the bottom, there are three buttons: 'Save Profile', 'Submit job' (highlighted with a red box), and 'Close'.

Submit Jobs

Using a Profile

1. Use a profile that has job arguments pre-populated to submit a job.
2. Click the Jobs tab, a list of applications are displayed at the top of the Job Monitoring page.

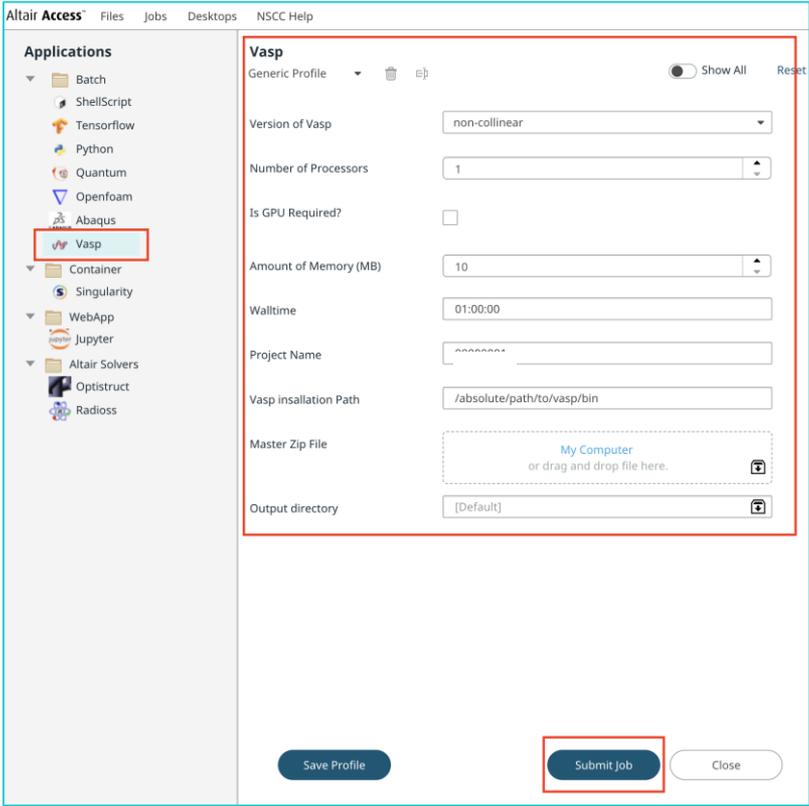
Submit Job Using:



3. Click on an application and the job submission form will be displayed.



Note: Only recently used applications are shown. Click on “More Apps” to see full list of applications.

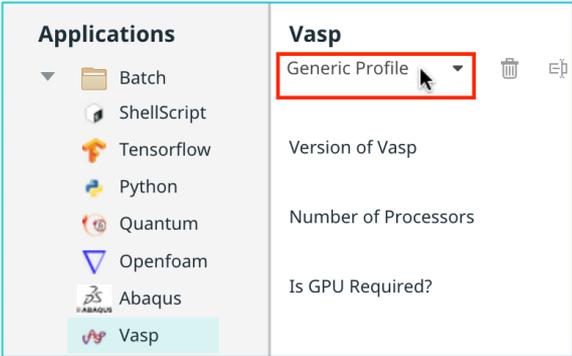


Submit Jobs

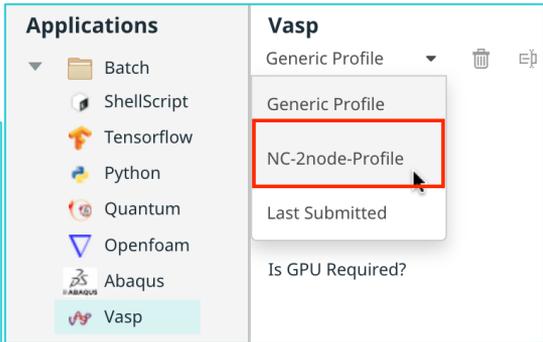
Using a Profile (cont.)

4. Click the drop-down button next to **Generic Profile** to view the list of saved Profiles.

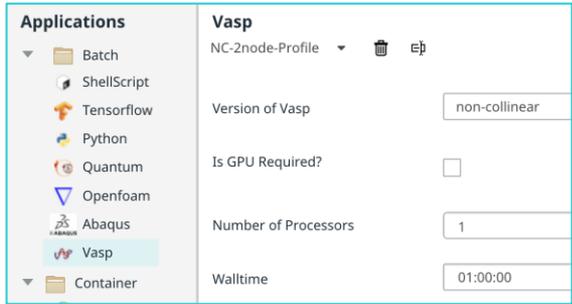
By default, only **Generic Profile** and **Last Submitted** profile will be listed if there are no saved profiles.



5. Select the profile to use from the drop-down list.



6. The job submission form for the selected profile, with pre-populated arguments, is displayed.



7. Fill in the required application or profile argument and then click 'Submit Job'

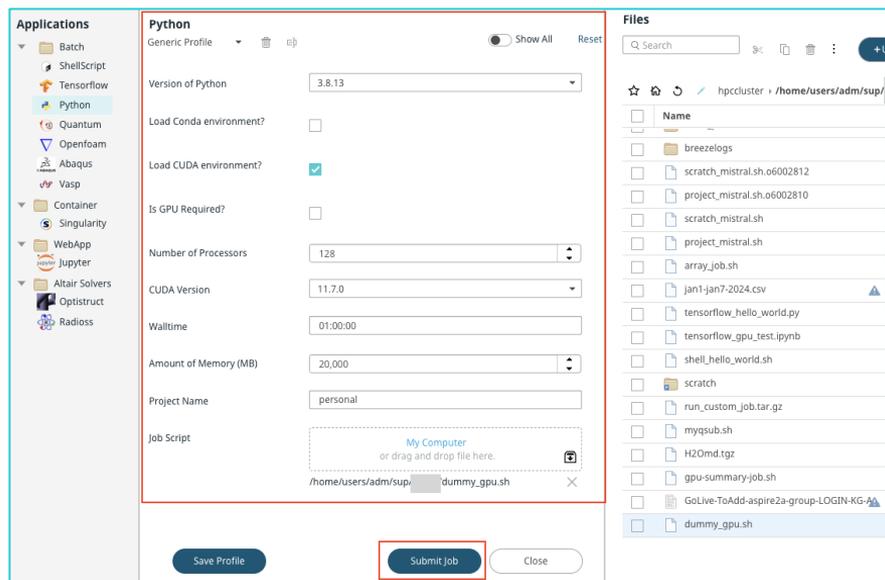
Submit Jobs

Using a Job Submission Form

1. Click the 'Jobs' tab on Job Portal. A list of applications are displayed at the top of the Job Monitoring page.



2. Click on an application and the job submission form will be displayed.
3. Fill the required application arguments
4. Input files can be uploaded from the local system or, if already present on the ASPIRE2A system, navigate to the file's location in the file explorer on the right side of the form and simply drag and drop it into the field.
5. Click on 'Submit Job'. The job will be submitted, and a notification will be displayed, providing the status of the job.



Note: Only required arguments are displayed in default view. To see optional arguments, you can toggle "Show All" button to expand the form.

Launching and accessing WebApps

Jupyter Notebook

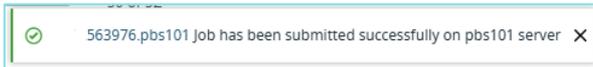
1. Click the 'Jobs' tab on Job Portal. A list of applications are displayed at the top of the Job Monitoring page.



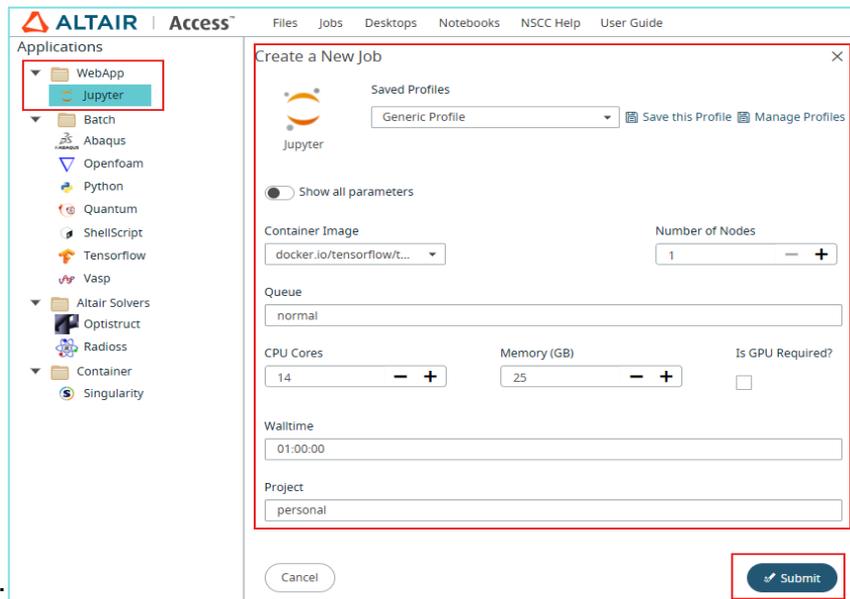
2. Click on an application and the job submission form will be displayed.

3. Fill the required application arguments:

4. Click on 'Submit Job'. The job will be submitted, and a notification will be displayed in the bottom right corner.



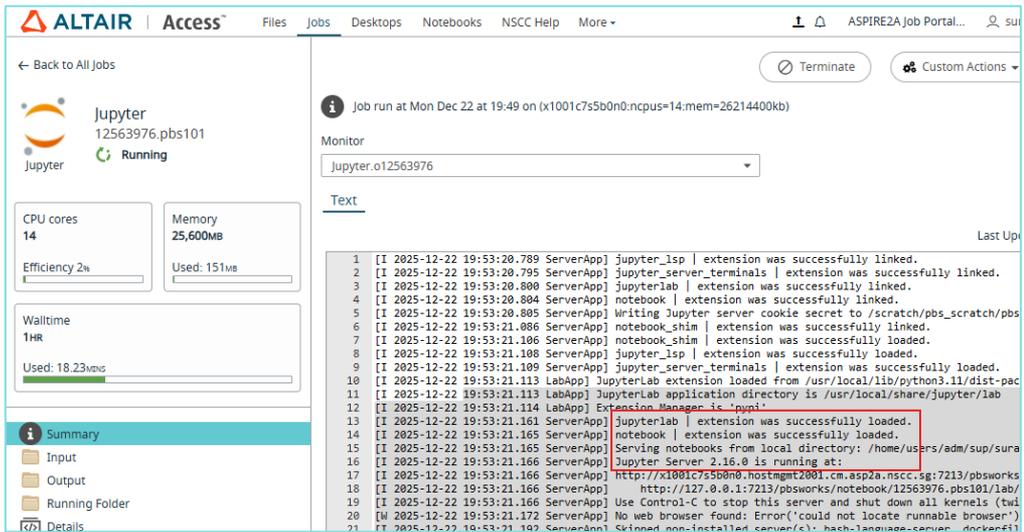
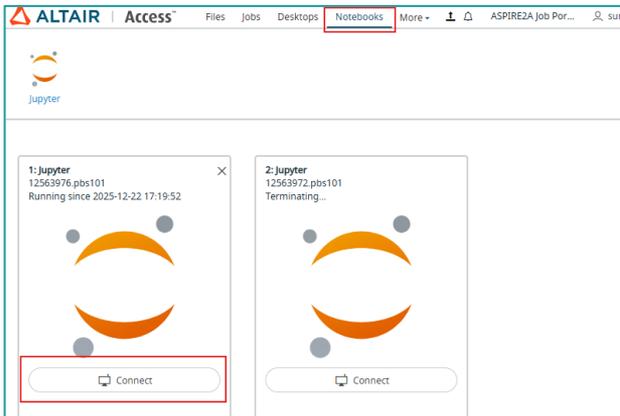
You may go back to the 'Jobs' tab to view the status of job.



Launching and accessing WebApps

Jupyter Notebook

- Once the WebApp is successfully launched, “Jupyter Server 2.16.0 is running...” will be displayed in job output.
- Once the job starts running, it will take 10 to 12 minutes to load the WebApp.
- Click the ‘Notebooks’ tab in the Job Portal to view your running Jupyter notebooks. Click on ‘Connect’ to connect to your respective notebook.

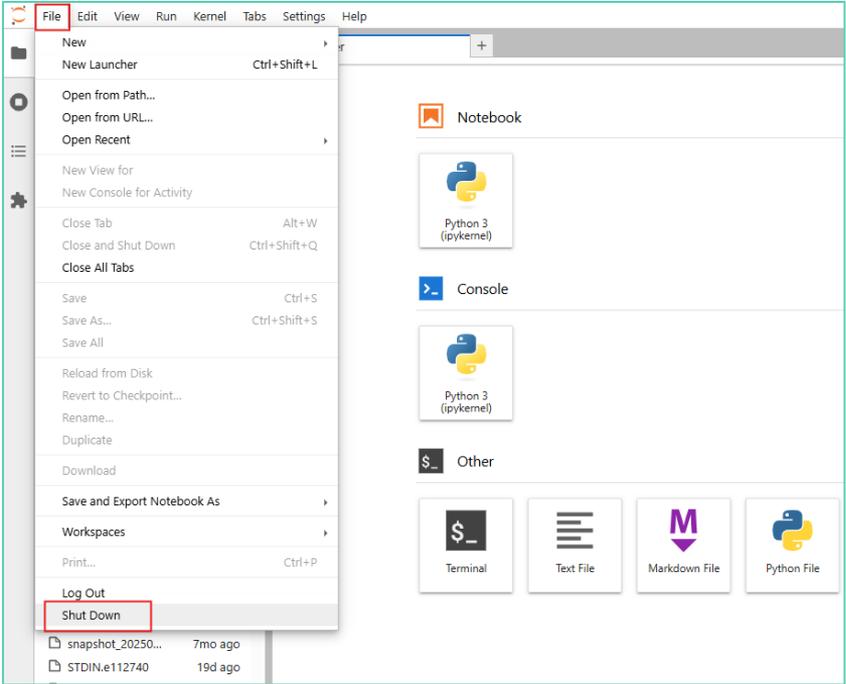


Interacting with WebApps

Jupyter Notebook

- 1. The WebApp may or may not have an authentication system. Information about interacting with the WebApp will be published in the job output file.
- 2. To close the job, Click on 'File' -> 'Shut Down', or the job can be terminated directly from the 'Jobs' page.

<input type="checkbox"/>	Job Id	Name	Status	Creation Time
<input type="checkbox"/>	116543.pbs111	Jupyter	Completed	12/22/2025, 6:36:47 PM



JOB MONITORING ON ASPIRE2A JOB PORTAL

Monitor Jobs

- After the job files are uploaded, the job is submitted and displayed on the Job Monitoring.
- The following can be monitored on the Jobs Tab:
 - Status of the jobs
 - Filter the job view
 - View job details
 - Monitor memory and core utilization
 - View a list of job files
 - Perform job actions

Monitor Jobs

Job Monitoring View

- Job status and the job result can be viewed via the Jobs tab. Job status will indicate whether a job is in queue, execution, or completed stage. By default, only 100 jobs are listed in the Job Monitoring.

The screenshot displays the Job Monitoring interface. On the left is a sidebar with filters for Status, Servers, Applications, Time, and Job Type. The main area shows 'Submit Job Using:' with icons for various applications like Jupyter, Tensorflow, Vasp, ShellScript, Singularity, Python, Quantum, Openfoam, Abaqus, and Optistruct. Below this is a 'Jobs' table with columns for Job Id, Name, Status, Creation Time, and User Name. The table lists several jobs with their respective statuses: Running, Completed, Queued, and Failed.

<input type="checkbox"/>	▼ Job Id	Name	Status	Creation Time	User Name
<input type="checkbox"/>	6019468.pbs101	Jupyter	Running	18/01/2024, 11:29:54	
<input type="checkbox"/>	6019463.pbs101	tensorflow_hello_world	Running	18/01/2024, 11:28:50	
<input type="checkbox"/>	6019461.pbs101	vasp_2	Completed	18/01/2024, 11:28:31	
<input type="checkbox"/>	6019460.pbs101	vasp_1	Queued	18/01/2024, 11:28:03	
<input type="checkbox"/>	6019415.pbs101	Jupyter	Failed	18/01/2024, 11:25:00	
<input type="checkbox"/>	6015413.pbs101	shell_hello_world	Completed	17/01/2024, 16:29:18	

Monitor Jobs

View Job Information

- You can view job information as provided by PAS in the following tabs.

Tab	Description
Summary Tab	View job metadata, result files using the text, plot and image viewer.
Input Tab	View the input files that are provided for the job.
Output Tab	View the job result files that are generated after the job is completed
Running Folder Tab	View the files of a running job
Details Tab	View the job properties information like Job ID, Job Name, CPUs requested, Application, CPU percent used & Memory used.
Diagnostics Tab	View the job diagnostics information which helps you to troubleshoot the issues.
Console Tab	This tab is displayed only when Custom Actions are performed on the job

Monitor Jobs

View Job Summary

1. Clicking the **'Jobs'** tab will display the job monitoring page with the list of submitted jobs.
2. Perform one of the following options:
 - Click on the respective **job id** from the list.
 - **Right click on the job** and click **'View Details'** from the context menu.
3. The **'Job Summary'** tab is displayed, providing the following details:
 - Job Metadata
 - Job Results

OF_1(6019553.pbs101) Terminate

Summary Input Output Running Folder Details Diagnostics

Job Metadata

CPU EFFICIENCY: 0%
MEMORY: 0/19.53GB

Status: Running
Application: Openfoam
Queue: q4 @ pbs101
Owner: [Redacted]
Project: [Redacted]
Cores: 128
Nodes: x1003c6s3b0n1/0*128
Start Time: 18/01/2024, 11:45:54
Run Time: 00:00:00

Comments
Job run at Thu Jan 18 at 11:46 on
(x1003c6s3b0n1.ncpus=128:mem=20480000kb)

Results

Text File: OF_1.o6019553

Last Updated on 11:46:34 ▶ ⊞ ⊞

```
528
529
530 |=====|
531 | \ \ / F i e l d | OpenFOAM: The Open Source CFD
532 | \ \ / O p e r a t i o n | Version: 2112
533 | \ \ / A n d | Website: www.openfoam.com
534 | \ \ / M a n i p u l a t i o n |
535 |-----|
536 Build : _14aeaf8dab-20211220 OPENFOAM=2112 version=v2112
537 Arch : "LSB;label=32;scalar=64"
538 Exec : /var/run/palsd/43ef687a-5178-4cbd-88f7-5b5fa0cf0cd/files
539 Date : Jan 18 2024
540 Time : 11:46:34
541 Host : x1003c6s3b0n1
542 PID : 2059642
543 I/O : uncollated
544
```

Monitor Jobs

View Job Input Files

1. Clicking the **'Jobs' tab** will display the job monitoring page with the list of submitted jobs.
2. Perform one of the following options:
 - Click on the respective **job id** from the list.
 - **Right click on the job** and click **'View Details'** from the context menu.
3. Click **'Input tab'**. The job input files' location, and the files will be displayed.
4. Here, job input files can be viewed, edited, saved, downloaded, tailed, and deleted.

OF_1(6019553.pbs101)

Summary Input Output Running Folder Details Diagnostics

Q Search

hpccluster > /home/users/adm/sup/

<input type="checkbox"/>	▲ Name	Created On
<input type="checkbox"/>	 input.4x4x2_32.tar	18/01/2024, 11:44:03

Monitor Jobs

View Job Output Files

1. Clicking the **'Jobs'** tab will display the job monitoring page with the list of submitted jobs.
2. Perform one of the following options:
 - Click on the respective **job id** from the list.
 - **Right click on the job** and click **'View Details'** from the context menu.
3. Click **'Output'** tab. The job result files' location, and files will be displayed
4. Here, job result files can be viewed, edited, saved, downloaded, tailed, and deleted.

DF_1(6019553.pbs101)

Summary Input **Output** Running Folder Details Diagnostics

Q Search

mpcluster > /home/users/adm/sup/ /OF_1_2024_01_18_11_45_54

<input type="checkbox"/>	▲Name	Created On	Owner	File Size	⚙
<input type="checkbox"/>	input.4x4x2_32	18/01/2024, 11:46:39		--	
<input type="checkbox"/>	access.log	18/01/2024, 11:46:38		6.23 KB	
<input type="checkbox"/>	input.4x4x2_32.tar	18/01/2024, 11:46:39		20 KB	
<input type="checkbox"/>	OF_1.e6019553	18/01/2024, 11:46:39		1.9 KB	
<input type="checkbox"/>	OF_1.o6019553	18/01/2024, 11:46:39		20.32 KB	



Note: Similarly, you can view other details such as Running job files, job details and diagnostics by switching to the different tab present in the context menu.

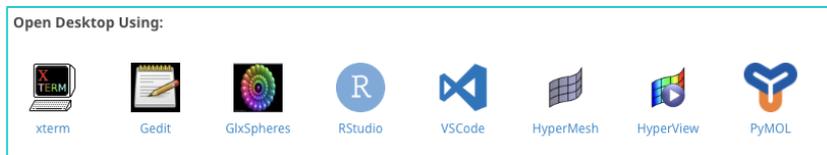
DESKTOPS FOR REMOTE VISUALIZATION ON ASPIRE2A VISUALIZATION PORTAL

Manage Remote Desktops

Create a Remote Desktops Session

- Remote desktops can be activated by submitting an interactive job using these steps:

- Go to **Visualization Portal** and click on the **Desktops tab** (if not automatically redirected) and a list of applications are displayed (by default it will be displayed in the list view)



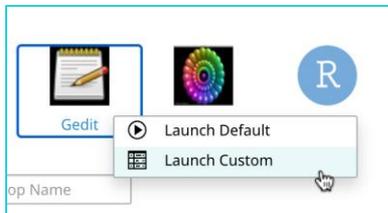
- To launch a **Remote Desktop**, choose any one of the following options:

- Click an application with **default options**.
- Right-click an application and choose **Launch Default** or **Launch Custom** option from the menu

- By selecting “**Launch Custom**”, a job submission form is displayed, which has the following panes:

- Left pane:** A list of applications based on category and profiles.
- Centre pane:** Job Submission form
- Right pane:** File Management section

- Fill in the required solver arguments in job submission form and then click '**Submit Job**'.



Manage Remote Desktops

Create a Remote Desktops Session (cont..)

The screenshot displays a web interface for managing remote desktop sessions. It is divided into three main sections:

- Applications:** A sidebar on the left lists various applications under the 'Interactive' category, including Firefox, xterm, Gedit (selected), GlxSpheres, RStudio, VSCode, HyperMesh, HyperView, and PyMOL.
- Gedit Configuration:** The main area shows settings for a 'Generic Profile'. Fields include:
 - Job Name: (empty text input)
 - Version: 2.3.3 (dropdown menu)
 - Application Geometry: 1600x1200 (text input)
 - Copy back files:
 - Output directory: [Default] (text input with folder icon)Buttons at the bottom include 'Save Profile', 'Submit Job', and 'Close'. A 'Show All' toggle and 'Reset' link are also present.
- Files:** A file browser on the right shows the directory path 'hpcluster > /home/users/adm/sup/'. It contains a table of files with columns for Name, Created On, and Owner.

Name	Created On	Owner
breezelogs	05/01/2024, 15:27:51	
covid_pdb	05/01/2024, 15:27:51	
Downloads	07/01/2024, 16:11:04	
Firefox_2024_01_15_21_...	15/01/2024, 21:11:14	
Firefox_2024_01_15_21_...	15/01/2024, 21:18:24	
Firefox_2024_01_15_21_...	16/01/2024, 09:00:22	
Firefox_2024_01_16_08_...	16/01/2024, 09:01:32	
Firefox_2024_01_16_18_...	16/01/2024, 18:04:43	
Firefox_2024_01_16_18_...	16/01/2024, 18:30:06	
Firefox_2024_01_18_10_...	18/01/2024, 10:11:01	
GlxSpheres_2024_01_15_...	15/01/2024, 21:11:10	
GlxSpheres_2024_01_16_...	16/01/2024, 09:01:40	
GlxSpheres_2024_01_16_...	16/01/2024, 11:35:31	
GlxSpheres_2024_01_16_...	16/01/2024, 18:30:04	
ior	16/01/2024, 11:34:06	
log	18/01/2024, 11:35:40	
mistral	05/01/2024, 15:27:55	

Manage Remote Desktops

Open a Remote Desktops

- To work on interactive applications through the Remote Desktop, follow the steps below:

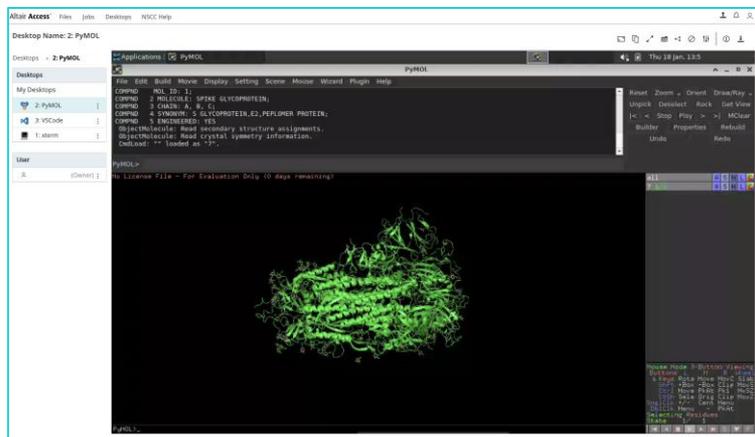
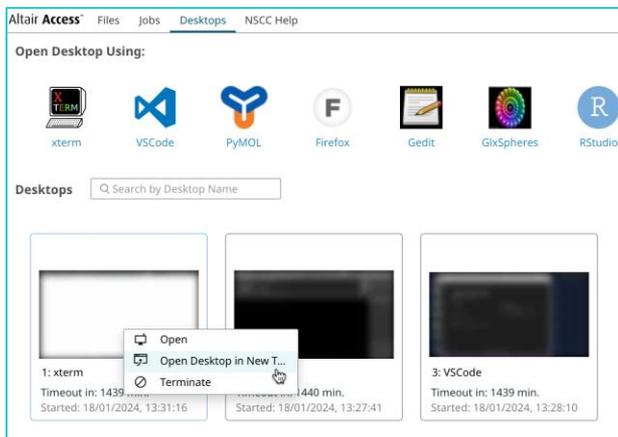
1. Click the 'Desktops' tab, to see the list of remote desktop.

2. Choose one of the following options to open a remote desktop:

- Double click a remote desktop
- Right click a remote desktops name and click 'Open'.
- Right click a remote desktops name and click 'Open Desktops in New Tab'.



Note: Desktop Sessions are opened in a new pop-up window, or a new tab. Ensure that the website is allowed to launch pop-ups in your browser settings.



Manage Remote Desktops

Settings in Remote Desktop Sessions

- There are several options on the Desktop session, which can be accessed by clicking a gear icon  on the bottom right of the screen. It will show options to change screen resolution, switch to full screen, open clipboard to transfer text from your system to the remote system and vice versa, take a screenshot, share the view-only session link with colleagues, switch desktop, desktop quality settings, and terminate the session.

-  Change Screen Resolution (Auto adjusted by default)
-  Clipboard
-  Full Screen
-  Screenshot
-  Share Remote Desktop with user
-  Terminate Session
-  Switch Desktop to another running session
-  Desktop quality Settings (Auto adjusted by default)
- 

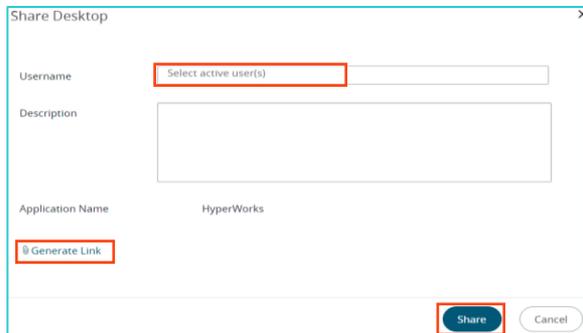
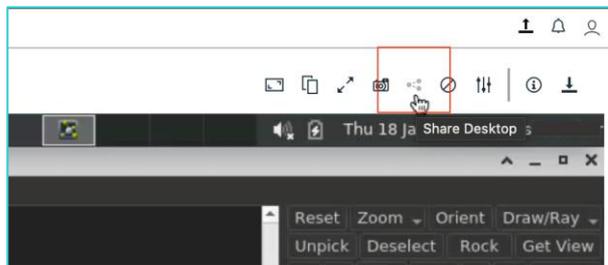
Desktop Diagnostics options:

-  Show Statistics of Connection
-  Download Desktop Diagnostics

Manage Remote Desktops

Share a Remote Desktops

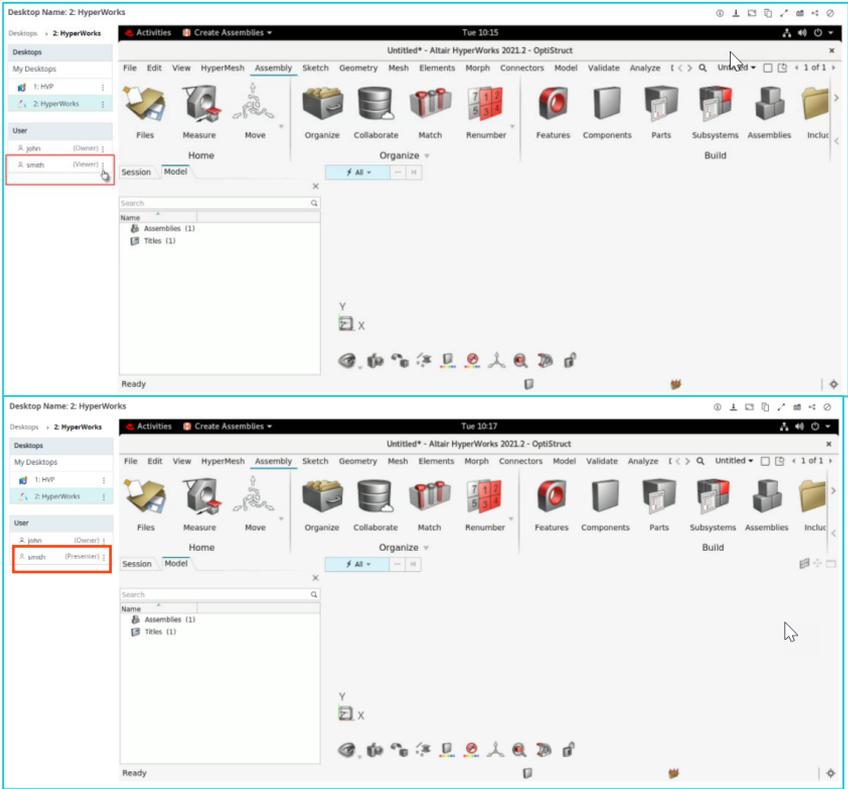
- To **share remote desktops** with other users who have logged in to Access Web, follow these steps:
 1. Click the **'Desktops' tab** to display the Remote Desktop list.
 2. Choose one of the following options:
 - **Double click** a remote desktops
 - **Right click** a remote desktops name and **click 'Open'**.
 3. Click . The **Share Desktops** dialog box will be displayed.
 4. Select the **Username** from the drop-down list and enter the description.
 5. Click **'Generate link'** to get the link to share. Then, select **'Share'**.



Manage Remote Desktops

Change the Remote Desktops Presenter

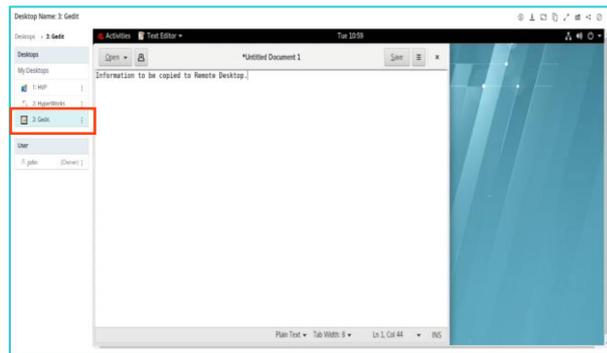
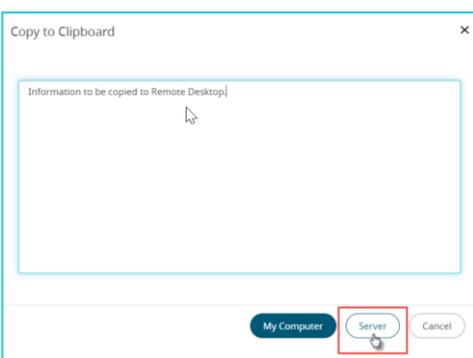
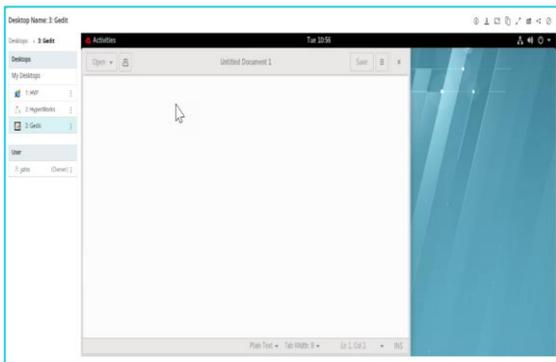
- When a remote desktop is shared, the owner will be the presenter, and the other user will be the viewer.
- In some cases, to allow the viewer to interact with the application and make changes, transfer control to the viewer by following these steps:
 - Click  next to the shared remote desktops user.
 - Select **'Make Presenter'** from the **drop-down menu** and **User** will become the presenter.



Manage Remote Desktops

Copy Text to Remote Desktops

1. Copy the text information from the **local machine**
2. Open the **‘Remote Desktops’**.
3. Click  in the remote desktops.
4. **Clipboard window** is displayed. Place the text information then click **‘Server’**.
5. Paste the information at desired place in **remote desktops (use keyboard shortcut ctrl + v or right click and paste)**.

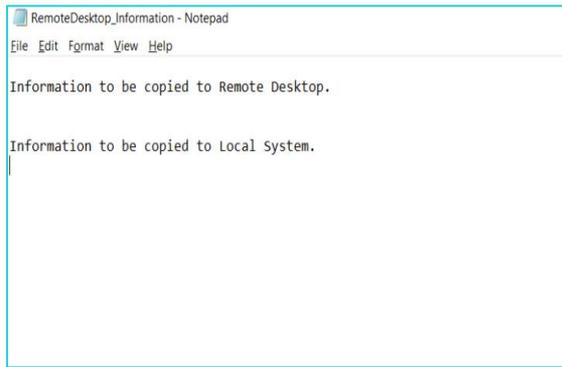
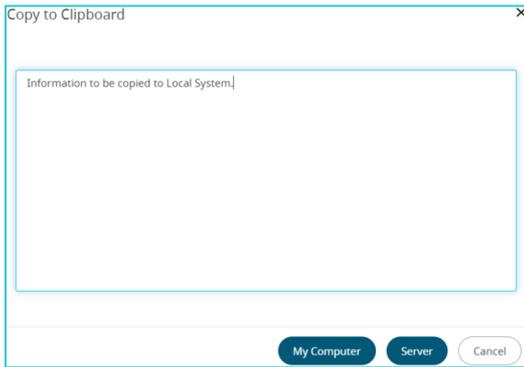


Note: On a Desktop Session in different tab, the  button along with other options are visible when you click on  button usually present at the bottom right of the screen.

Manage Remote Desktops

Copy Text from Remote Desktops

1. Copy the text information from the **Remote Desktops (use keyboard shortcut ctrl + c or right click and copy).**
2. Open the **‘Remote Desktops’**
3. **Click**  in the remote desktops.
4. Click **‘My Computer’** to copy the information from the clipboard modal.
5. Paste the contents to **the local machine.**

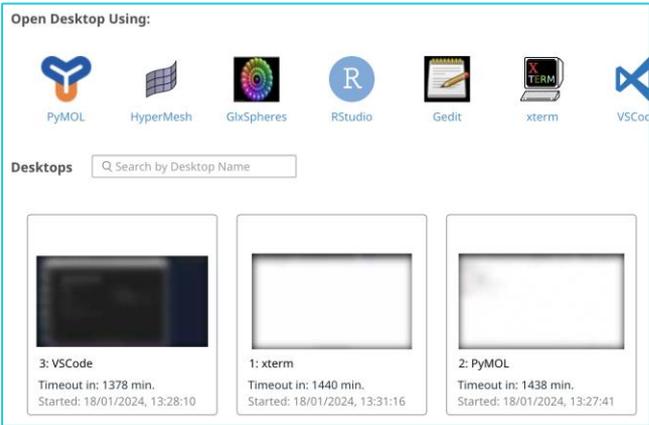


Note: On a Desktop Session in different tab, the  button along with other options are visible when you click on  button usually present at the bottom right of the screen.

Manage Remote Desktops

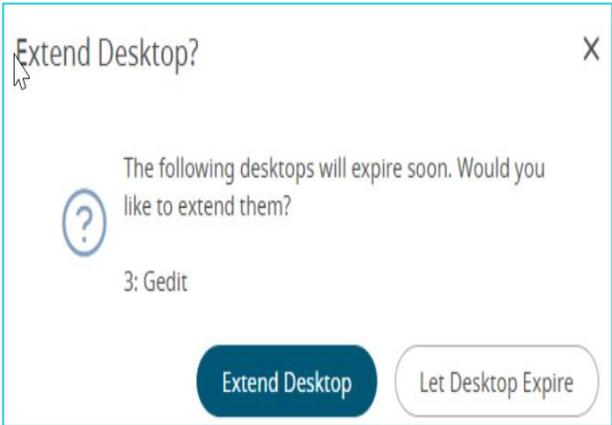
Extend the Remote Desktops Timeout Interval

1. Click on the **'Desktops'** tab to show the Remote Desktops list with the **timeout interval for each of the remote desktops**



2. The **'Extend Desktops'** dialog box will appear if any of the remote desktop's timeout interval is less than **5 minutes**.

3. Click **'Extend Desktop'**.

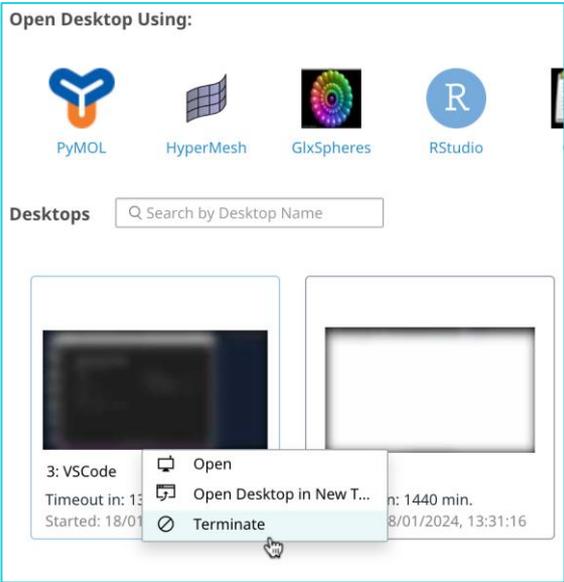


Manage Remote Desktops

Terminate a Remote Desktops

Click on the **'Desktops'** tab to show the Remote Desktops list with the **timeout interval for each of the remote desktops**. **Right click** on a remote desktop and **select 'Terminate'** from the context menu.

If the Remote Desktop is opened in a separate tab, **click on the * icon** at the bottom left of the screen and **select 'Terminate'** from the context menu.



OR



Manage Remote Desktops

Notes regarding Remote Desktops

- If a user moves away from the Desktop session tab, the session will be paused to save the bandwidth, but the application will keep running on the remote machine. When the tab is reopened, the session will resume.
- The session will terminate automatically if it is not resumed, and the timer expires.
- An application that is not listed and is installed in the user's home directory can be launched by opening a GUI terminal session (xterm) and executing the application binary from the command line.

MANAGE FOLDERS AND FILES

Manage Folders and Files

- The **'Files'** tab will provide the following functionality:
 - Search box to search for the required directory or file.
 - At the top of the file list view, type the folder path if knowing the exact location of the file.
 - Add to 'favourites' for quick access
 - Quick navigation to home directory by clicking 
- Users can perform the following operations as needed:
 1. Create a Folder
 2. Upload a File
 3. Move a Folder or a File
 4. View and Edit text File
 5. File Operations
 6. Download and Delete Folder or File
 7. Zip and Unzip Files and Folders

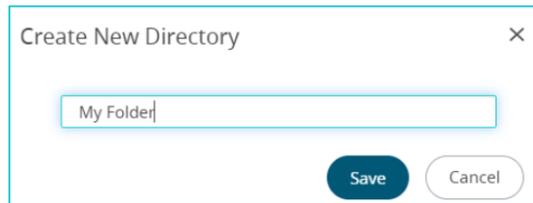


Note: For detailed description of all the other operations, please refer to the guides available in the "Help" link at the profile section.

Manage Folders and Files

Create a Folder

- To **organize jobs** by creating folders or subfolders, follow these steps:
 1. Click the **'Files' tab** and use the file system tree on the left to navigate to where new folder is to be created.
 2. Perform one of the following options:
 - Click **'New'** and select 'Folder' from the menu.
 - **Right-click in a blank space** in the folder list and select 'New Folder'.
 3. A **dialog Box** will appear requesting the name of the folder to be created.
 4. Click **Save**.



Manage Folders and Files

Upload a File

- To upload a file **stored on your local machine to ASPIRE2A**, follow these steps:
 - Click the **'Files'** tab and use the file system tree on the left to navigate to where the file should be uploaded.

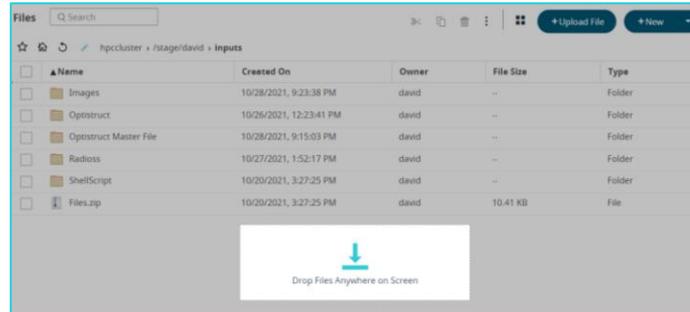
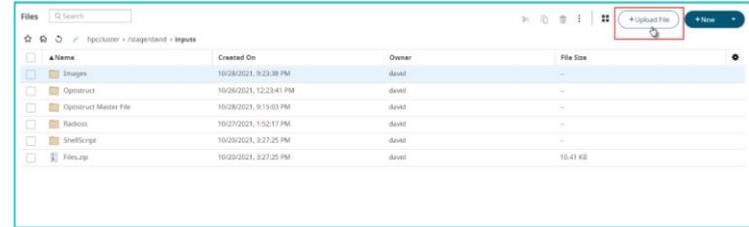
2. Click on **'Upload File'** and a dialog box will appear.

3. **Browse and select** the file to upload.

- If it is a **zip file**, there will be an option provided to unzip and **extract** the contents of the zip file

4. Click **'Open'**.

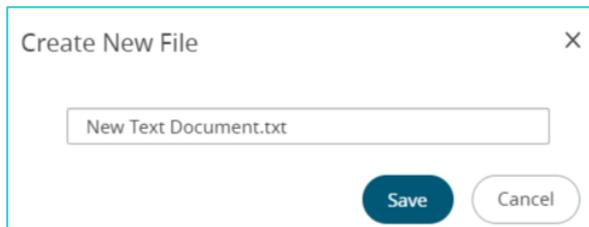
5. Files can also be uploaded by dragging and dropping them from your machine to the folder.



Manage Folders and Files

Create and Edit a File

- To **Create a file** for running a job script, job master file, or to provide remarks for a particular folder follow these steps:
 1. Click the **'Files'** tab and use the file system tree on the left to navigate to where new file is to be created.
 2. To create a new file, use one of the following options:
 - **Click 'New'** and select File from the menu.
 - **Right-click at the blank space** in the folder list and select 'New File'.
 3. Enter the name of the file and **click 'Save'**.
 4. Choose any of the following options to open the file:
 - If the file is to be opened in the **default application**,
 - To open the file, either **double-click** on it or **right-click and choose 'Open'** from the context menu
 - If choosing an application or setting a default application is necessary to open the file , right-click the file and select 'Open With'.
 5. Click  to edit the file and Save it.

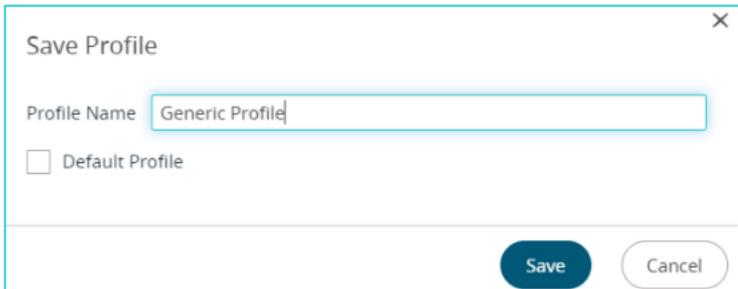
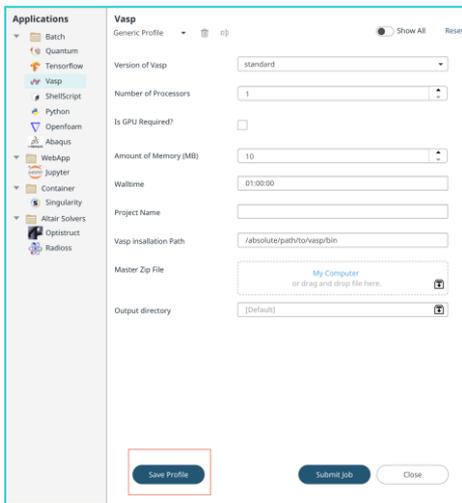


PERSONALIZATION

Job Profile

Create a Job Profile

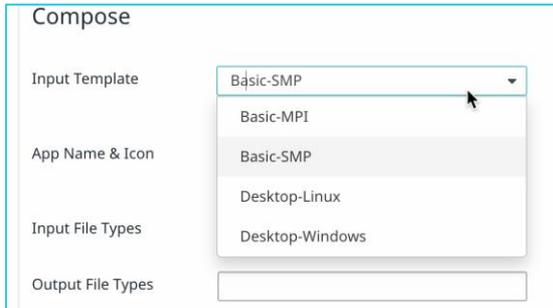
- This is a customized shortcut for submitting a job with pre-filled attributes. Follow these steps to create a job profile:
 1. Click the ‘Jobs’ and a list of applications are displayed at the top of the **Job Monitoring** page.
 2. **Select** the application to view the job submission form.
 3. Fill in the **application arguments as per the profile’s need**.
 4. Click ‘**Save Profile**’. The Save Profile **dialog box** will appear with a prompt to provide the profile name.
 5. **Check the box ‘Default Profile’** if setting it as the default to load whenever application is opened.
 6. Click ‘**Save**’. The saved profile will be listed in the drop-down list.



App Composer

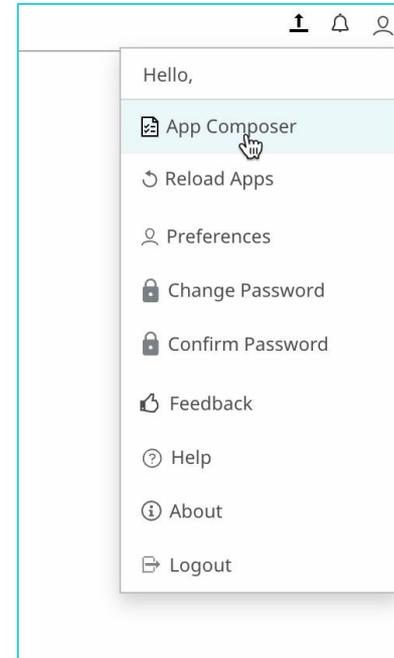
Create an Application Job Definition

- Applications can be added manually to launch them quickly from the login page.
- To create a new application, click on the 'Profile icon' and then click on 'App Composer'.
- On the Compose page, select the application type. For the Job Portal, choose between Basic MPI or SMP, and for the Visualization Portal, select Desktop-Linux.



The screenshot shows a 'Compose' form with the following fields and a dropdown menu:

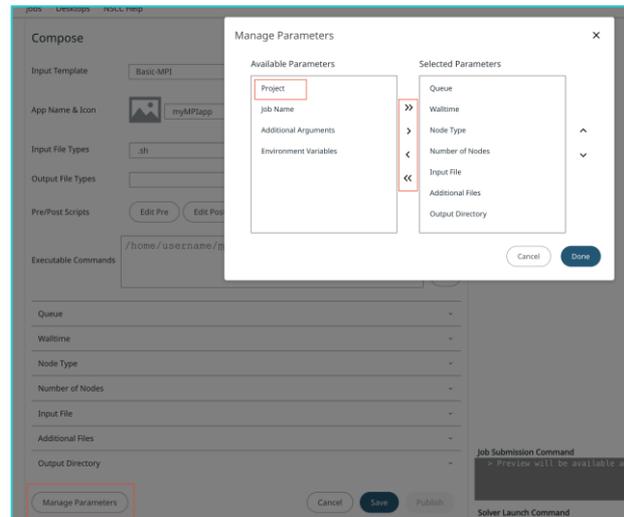
- Input Template:** A dropdown menu with options: Basic-SMP (selected), Basic-MPI, Desktop-Linux, and Desktop-Windows.
- App Name & Icon:** A text input field with 'Basic-SMP' entered.
- Input File Types:** A text input field with 'Desktop-Linux' entered.
- Output File Types:** An empty text input field.



App Composer

Create an Application Job Definition

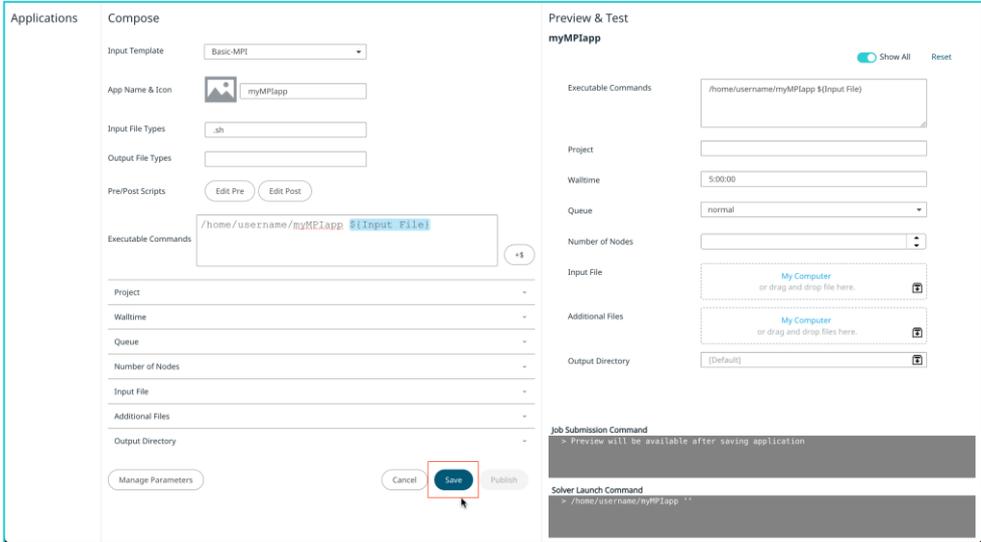
- In the 'Executable Commands' field, provide the executable commands with the complete path to the binary.
- Checking the 'required' switch will make that field mandatory in the job form.
- Ensure that Walltime and Project are included as required fields. To manage any fields that are not already visible, click on 'Manage Parameters' and add or remove fields as needed.



App Composer

Create an Application Job Definition

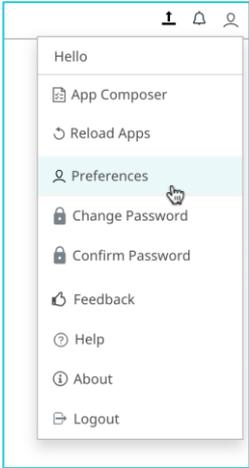
- After creating the application, preview the form on the right-side pane and submit a test job by filling out the form to see the commands in real-time. Once satisfied, click the "Save" button, and the application will be added to the application list.
- To delete or modify an already created application, go to the Composer and hover over the application in the left-side pane. Thereafter click on 'delete' or 'edit'.



Preferences

Personalize Altair Access Web experience

- Preference settings can be accessed from the profile button on the top right corner of the portal interface. Note that preferences for the Job Portal and the Visualization Portal need to be set individually.
- The Preferences allow for the following personalization features to be set by a user for themselves:



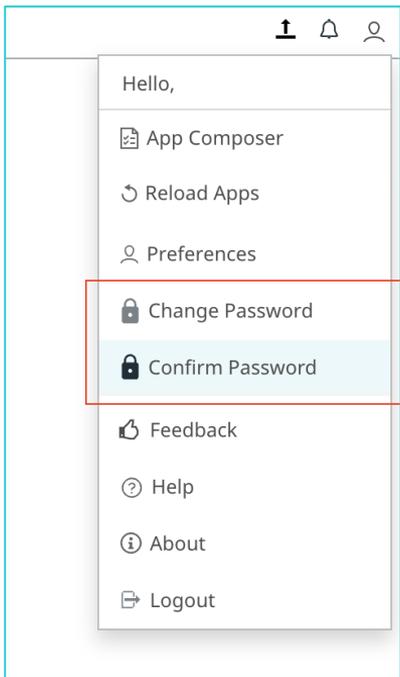
Preferences

Theme	Change font size of the interface
Profile	Set Display name and set email ID to send Email Notifications
Notifications	Turn notifications ON or OFF which are displayed on screen
Files	Show / Hide hidden items in File Explorer
Job Submission	Set E-Mail notifications and change default behaviors of job submission form
Pagination	Set page size after which new page is added in file viewer
Tail Frequency	Set time to refresh live output in seconds
RVS	RVS is not enabled in ASPIRE2A
Desktops	Set default resolution and enable debugging
Diagnosis	Reset all preferences

Password Management

Changing and Confirming Password

- While Access Web allows users to change their Linux Password on ASPIRE2A system, it may not update in LDAP system. **Hence, users are strictly recommended to NOT to use this feature on Access Web Portals on ASPIRE2A.**
- Instead, follow the procedures explained on help.nscg.sg regarding password management and expiry.
- Users can still use “Confirm Password” feature to verify their password.



Documentations and Further Help

- The 'Help' link provides access to detailed documentation available on 'help.altair.com', where users can find additional help topics, how-to guides, and comprehensive guides for Altair Access Web.
- Access additional help documents and FAQs regarding ASPIRE2A. Or submit help queries to the 'Help Desk' through NSCC Singapore's user site (help.nscs.sg), accessible via the 'NSCC Help' button at the tabs area of both Access Web Portals.

