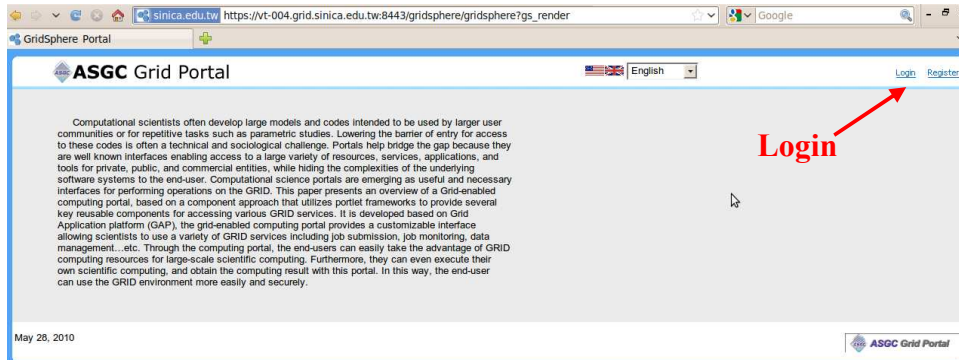


1. Login Grid Portal

step 1:

<https://vt-004.grid.sinica.edu.tw:8443/gridsphere/gridsphere>



step 2:

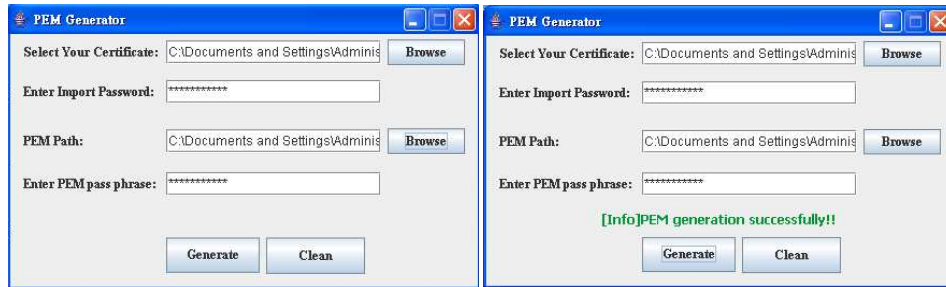
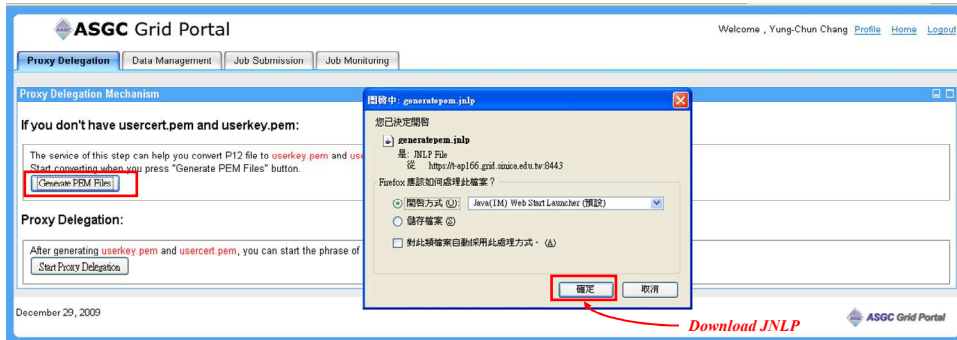
Method1: User register VQS account and use VQS account to login portal

Method2: User import CA to browser then login portal with CA

2. Proxy Delegation

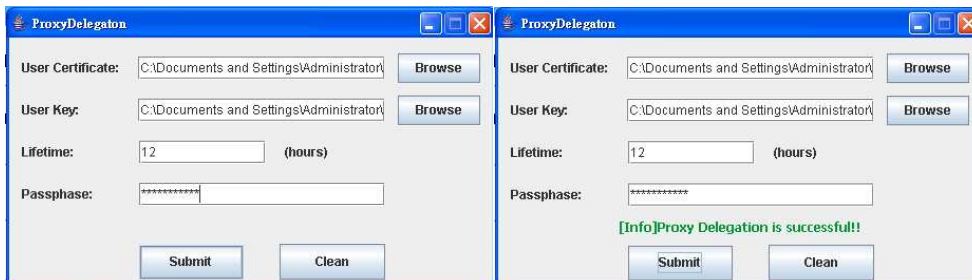
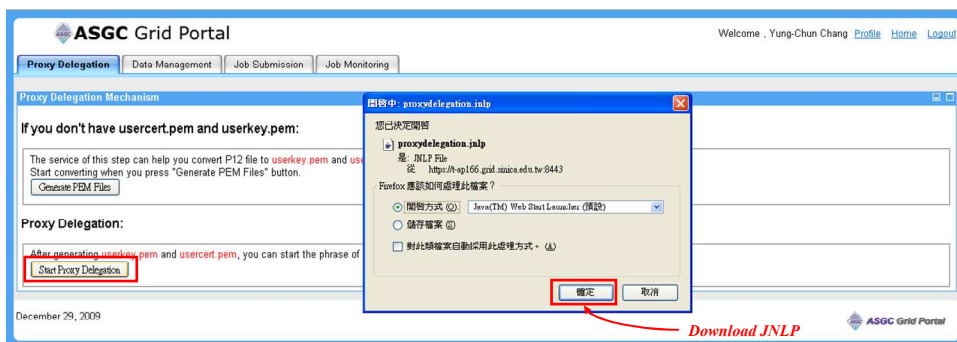
➤ PEM generator

This service can help you to generate `usercert.pem` and `userkey.pem` files. You just need to provide your P12 format certificate, and it will generate both pem files on your assigned path.



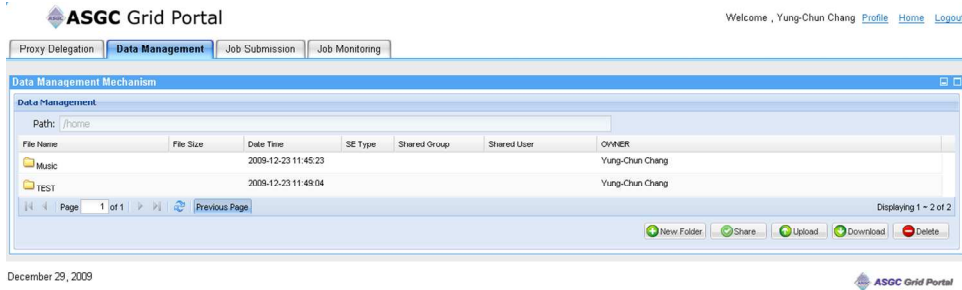
➤ Proxy delegate service

Proxy delegation service can support you to generate grid proxy and delegate it to grid environment automatically. You just have to indicate pem files path and type passphrase.

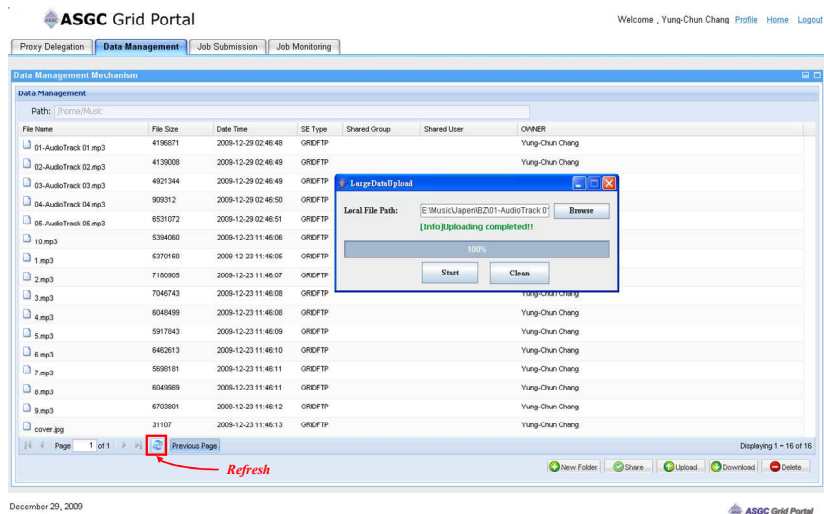
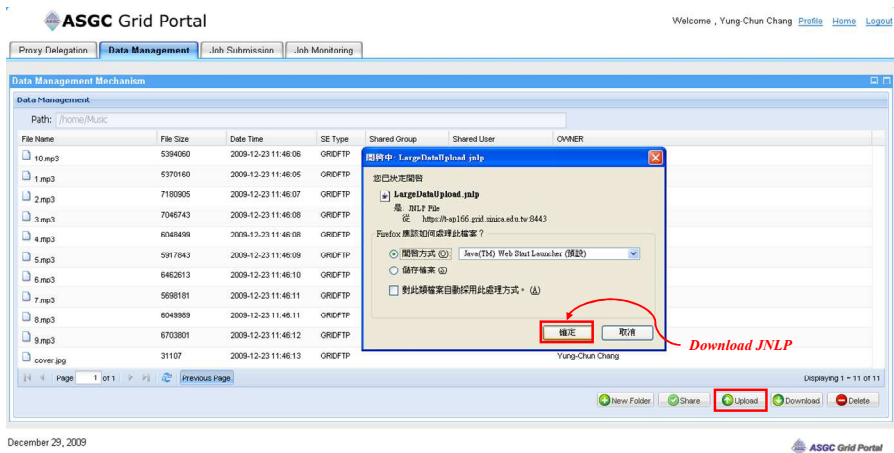


3. Data Management

When you start to use this service, you can see three directory “HOME”, “SHARE” and “TRASH” respectively in the first page.



[Upload Data]:



[Download Data]:

The screenshot shows the ASGC Grid Portal interface. At the top, there is a navigation bar with 'Proxy Delegation', 'Data Management', 'Job Submission', and 'Job Monitoring'. The 'Data Management' section is active, displaying a file list for the path '/home/Music'. A modal dialog box titled 'LargeDataDownload' is open, showing a progress bar at 100% and the message '[Info] Downloading completed!'. The dialog also includes a 'Local Saving Path' field with a 'Browse' button and 'Start' and 'Clean' buttons.

File Name	File Size	Date Time	SE Type	Shared Group	Shared User	OWNER
10.mp3	5394060	2009-12-23 11:46:06				
1.mp3	5370160	2009-12-23 11:46:05				
2.mp3	7180905	2009-12-23 11:46:07				
3.mp3	7046743	2009-12-23 11:46:08				
4.mp3	6048499	2009-12-23 11:46:08				
5.mp3	6917843	2009-12-23 11:46:09				
6.mp3	6462613	2009-12-23 11:46:10				
7.mp3	5698191	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
8.mp3	6049989	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
9.mp3	6703801	2009-12-23 11:46:12	GRIDFTP			Yung-Chun Chang
cover.jpg	31107	2009-12-23 11:46:13	GRIDFTP			Yung-Chun Chang

December 29, 2009

[Delete Data]:

The screenshot shows the ASGC Grid Portal interface. A modal dialog box titled 'Delete' is open, asking 'Are you sure to delete 5 item(s)?' with 'Yes' and 'No' buttons. The file list below shows various audio tracks and other files.

File Name	File Size	Date Time	SE Type	Shared Group	Shared User	OWNER
01-AudioTrack 01.mp3	4196671	2009-12-29 02:46:48	GRIDFTP			Yung-Chun Chang
02-AudioTrack 02.mp3	4199008	2009-12-29 02:46:49	GRIDFTP			Yung-Chun Chang
03-AudioTrack 03.mp3	4321344	2009-12-29 02:46:49	GRIDFTP			Yung-Chun Chang
04-AudioTrack 04.mp3	900312	2009-12-29 02:46:50	GRIDFTP			Yung-Chun Chang
05-AudioTrack 05.mp3	6531072	2009-12-29 02:46:51	GRIDFTP			Yung-Chun Chang
10.mp3	5394060	2009-12-23 11:46:06	GRIDFTP			Yung-Chun Chang
1.mp3	5370160	2009-12-23 11:46:05	GRIDFTP			Yung-Chun Chang
2.mp3	7180905	2009-12-23 11:46:07	GRIDFTP			Yung-Chun Chang
3.mp3	7046743	2009-12-23 11:46:08	GRIDFTP			Yung-Chun Chang
4.mp3	6048499	2009-12-23 11:46:08	GRIDFTP			Yung-Chun Chang
5.mp3	6917843	2009-12-23 11:46:09	GRIDFTP			Yung-Chun Chang
6.mp3	6462613	2009-12-23 11:46:10	GRIDFTP			Yung-Chun Chang
7.mp3	5698191	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
8.mp3	6049989	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
9.mp3	6703801	2009-12-23 11:46:12	GRIDFTP			Yung-Chun Chang
cover.jpg	31107	2009-12-23 11:46:13	GRIDFTP			Yung-Chun Chang

December 29, 2009

The screenshot shows the ASGC Grid Portal interface. A modal dialog box titled 'Success' is open, displaying the message 'Delete data completed!' with an 'OK' button. The file list below shows the same set of files as the previous screenshot.

File Name	File Size	Date Time	SE Type	Shared Group	Shared User	OWNER
01-AudioTrack 01.mp3	4196671	2009-12-29 02:46:48	GRIDFTP			Yung-Chun Chang
03-AudioTrack 03.mp3	4321344	2009-12-29 02:46:49	GRIDFTP			Yung-Chun Chang
06-AudioTrack 06.mp3	6531072	2009-12-29 02:46:51	GRIDFTP			Yung-Chun Chang
10.mp3	5394060	2009-12-23 11:46:06	GRIDFTP			Yung-Chun Chang
1.mp3	5370160	2009-12-23 11:46:05	GRIDFTP			Yung-Chun Chang
2.mp3	7180905	2009-12-23 11:46:07	GRIDFTP			Yung-Chun Chang
3.mp3	7046743	2009-12-23 11:46:08	GRIDFTP			Yung-Chun Chang
6.mp3	6462613	2009-12-23 11:46:10	GRIDFTP			Yung-Chun Chang
7.mp3	5698191	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
8.mp3	6049989	2009-12-23 11:46:11	GRIDFTP			Yung-Chun Chang
cover.jpg	31107	2009-12-23 11:46:13	GRIDFTP			Yung-Chun Chang

December 29, 2009

4. Job Submission

[AutoDock4]

In Application combo box: select AutoDock4.

ASGC Grid Portal

Welcome , Hsi-Kai Wang [Profile](#) [Home](#) [Logout](#)

Proxy Delegation Mechanism Data Management Mechanism **Job Submission** Job Monitoring Mechanism

Job Submission Mechanism

Job Configuration

Job Description:

Application:

Monitor Time: R-Computing Service
AutoDock4
Beast
AutoDock
User Defined

Submit Reset

May 28, 2010

ASGC Grid Portal

Fill in Job Description and select target, ligand and dpf, then submit.

Job Submission Mechanism

Job Configuration

Job Description: 121P **Fill in description**

Application: AutoDock4

Monitor Time: 60

Computing Environment - System prepared

Prepared: Autodock3.05.tar.gz

Input Data: /

Location: /

The files will be uploaded to the working directory on the computing node

Select Target

Selected: 121P.tar.gz **select target (include *.map, *.fld, *.xyz & target.pdbqt in tarball) from SE**

Input Data: /

Location: /

Browse SE

Select Ligand

Selected: 121P_GTO.pdbqt **select ligand (pdbqt) from SE**

Input Data: /

Location: /

Browse SE

Select DPF

Selected: 121P_GTO.dpf **select dpf (Docking Parameter File)**

Input Data: /

Location: /

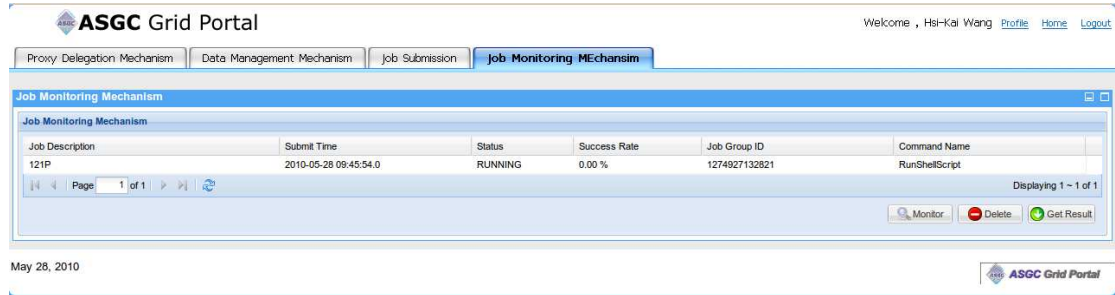
Browse SE

submit Submit Reset

5. Job Monitoring Mechanism

[RUNNING]

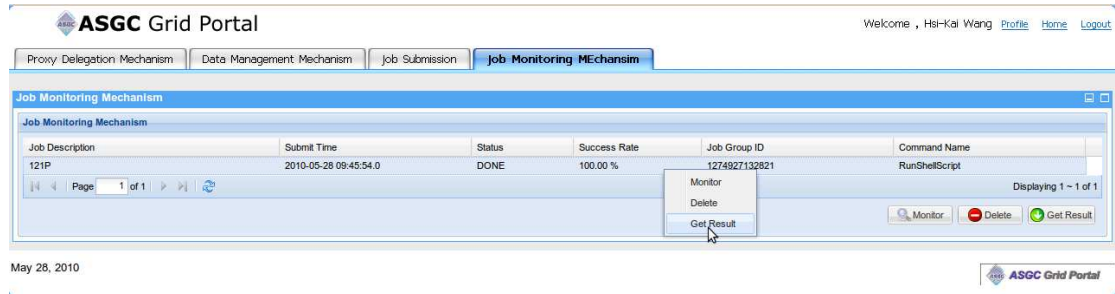
In RUNNING state, user just only Delete.



The screenshot shows the ASGC Grid Portal interface. At the top, there is a navigation bar with tabs for 'Proxy Delegation Mechanism', 'Data Management Mechanism', 'Job Submission', and 'Job Monitoring Mechanism'. The 'Job Monitoring Mechanism' tab is active. Below the navigation bar, there is a table with the following columns: Job Description, Submit Time, Status, Success Rate, Job Group ID, and Command Name. The table contains one row with the following data: Job Description: 121P, Submit Time: 2010-05-28 09:45:54.0, Status: RUNNING, Success Rate: 0.00 %, Job Group ID: 1274927132821, Command Name: RunShellScript. Below the table, there is a pagination control showing 'Page 1 of 1' and a refresh icon. To the right of the table, there is a status indicator 'Displaying 1 - 1 of 1' and three buttons: 'Monitor', 'Delete', and 'Get Result'. The 'Delete' button is highlighted. At the bottom left, the date 'May 28, 2010' is displayed. At the bottom right, the ASGC Grid Portal logo is visible.

[DONE]

In DONE state, user could Get Result from SE to local or Delete.



The screenshot shows the ASGC Grid Portal interface. At the top, there is a navigation bar with tabs for 'Proxy Delegation Mechanism', 'Data Management Mechanism', 'Job Submission', and 'Job Monitoring Mechanism'. The 'Job Monitoring Mechanism' tab is active. Below the navigation bar, there is a table with the following columns: Job Description, Submit Time, Status, Success Rate, Job Group ID, and Command Name. The table contains one row with the following data: Job Description: 121P, Submit Time: 2010-05-28 09:45:54.0, Status: DONE, Success Rate: 100.00 %, Job Group ID: 1274927132821, Command Name: RunShellScript. Below the table, there is a pagination control showing 'Page 1 of 1' and a refresh icon. To the right of the table, there is a status indicator 'Displaying 1 - 1 of 1' and three buttons: 'Monitor', 'Delete', and 'Get Result'. A context menu is open over the 'Get Result' button, showing three options: 'Monitor', 'Delete', and 'Get Result'. The 'Get Result' option is highlighted. At the bottom left, the date 'May 28, 2010' is displayed. At the bottom right, the ASGC Grid Portal logo is visible.