

Introduction to HPC Gateway Dashboard



powered by



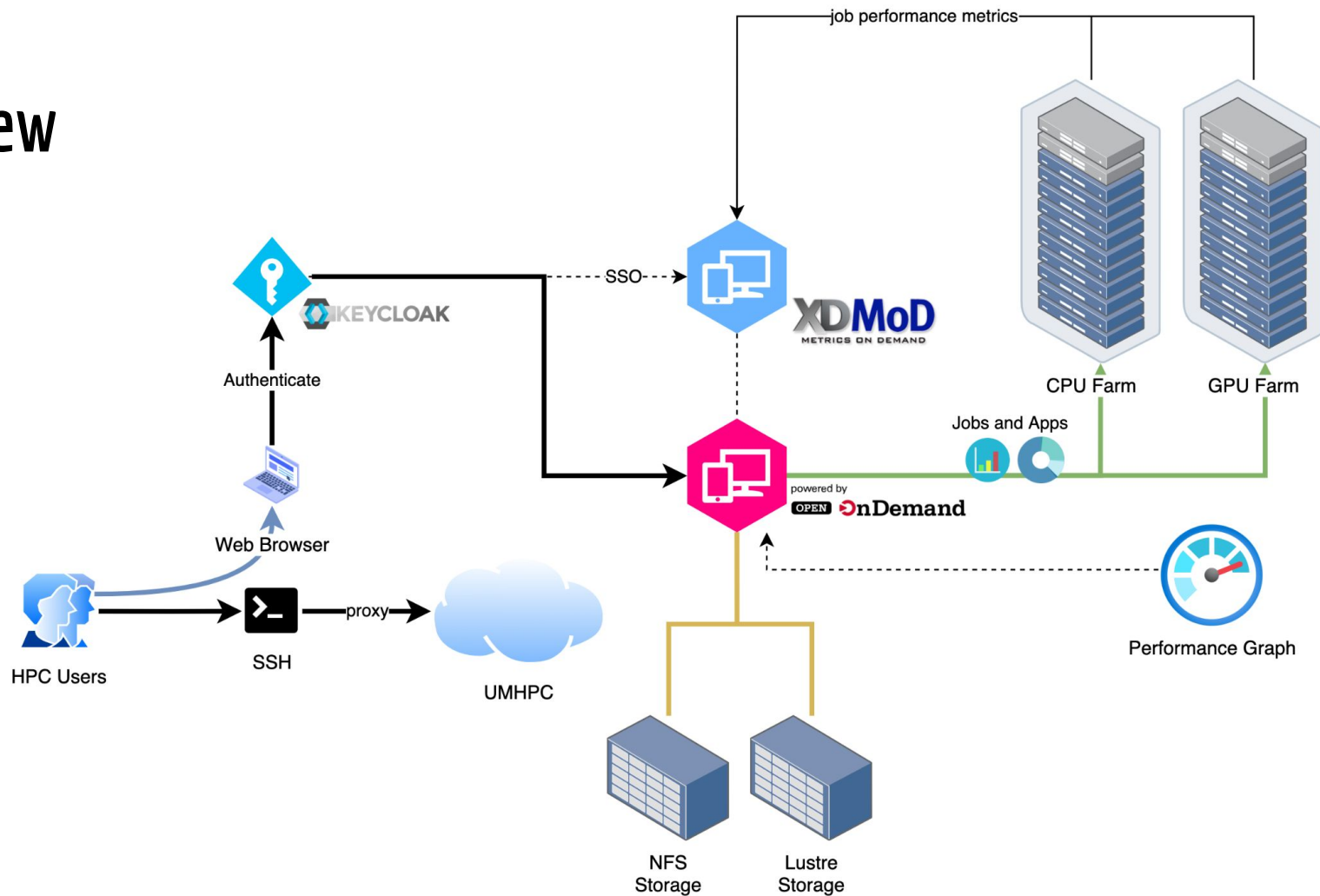
Why the New Dashboard?

- Non-experienced Users:
 - Too difficult to access
 - No Linux experience or knowledge
 - Too complicated to navigate
 - Steep learning curve
- Experienced users:
 - No job performance metrics available to check
 - Desktop environment is complicated to get it running
 - Need job accounting information

What to Expect from the New Dashboard?

- Non-experienced Users:
 - Lowered learning curve.
 - Shortened delay before first job.
 - GUI based instead of terminal based.
- Experienced Users:
 - Different way to perform HPC activities.
 - Easier access to job performance metrics
 - Easier access to remote desktop environment.

Overview



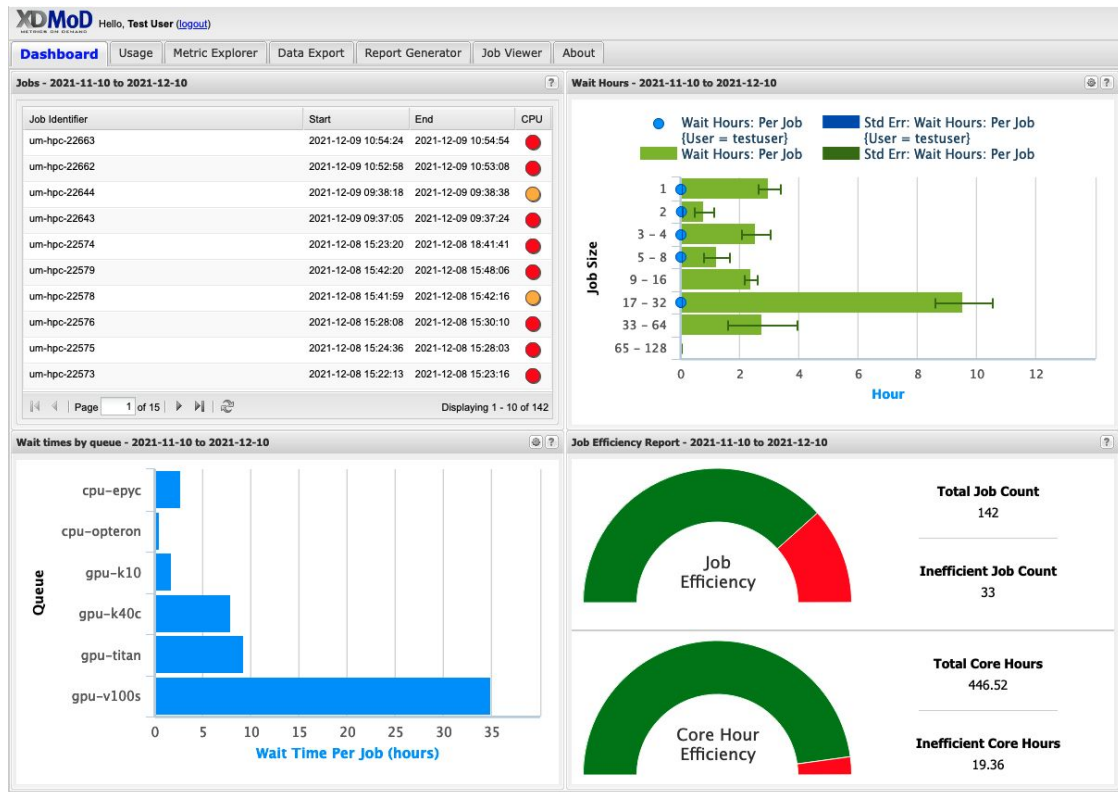
KeyCloak

- Single Sign On (SSO) for Open OnDemand and XDMoD.
- Use your HPC username and password to login.

A screenshot of a login interface for ONDEMAND. The background is dark grey with a geometric pattern. At the top, the word "ONDEMAND" is written in white, uppercase letters. Below it, a white rectangular box contains the text "Sign in to your account" in a grey font. Underneath, there are two input fields: "Username" and "Password", both with white text and light grey borders. Below the password field is a checkbox labeled "Remember me". At the bottom of the white box is a blue button with the text "Sign In" in white.

XSEDE Metrics on Demand (XDMoD)

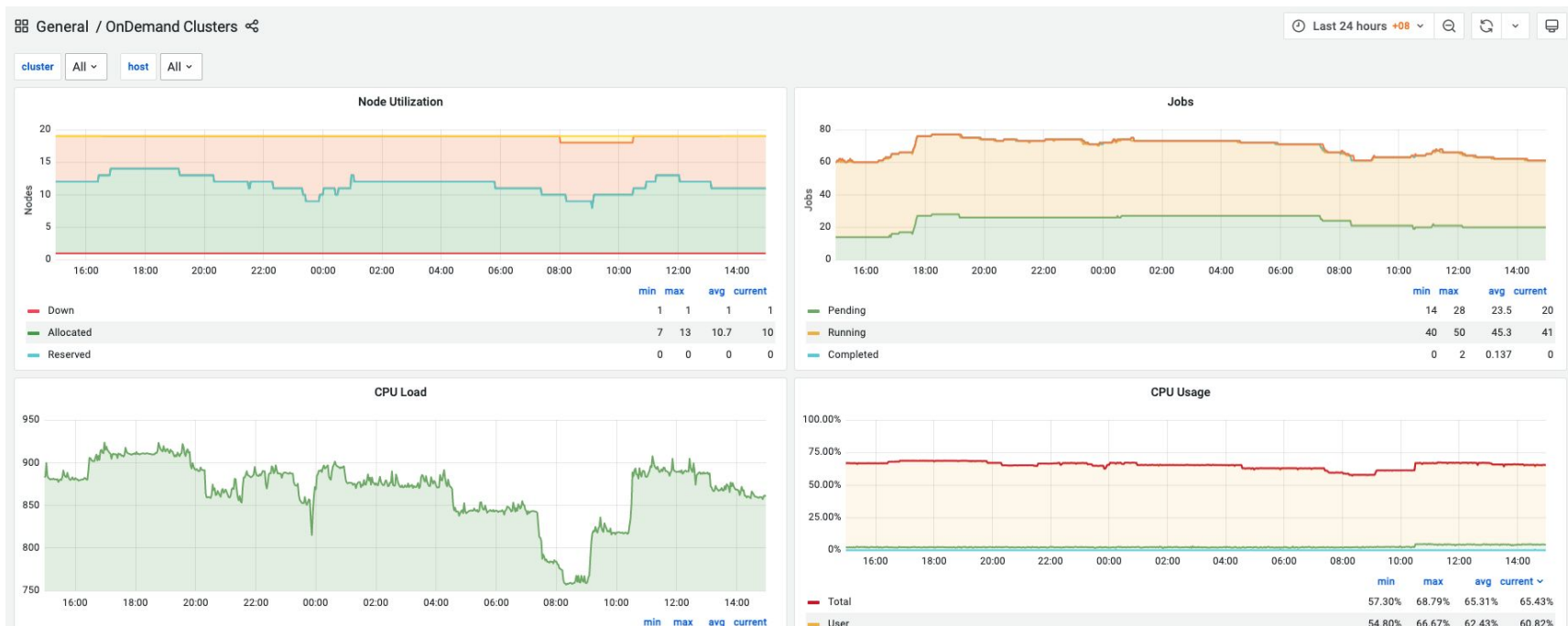
- Most job metrics and accounting information are summarized in XDMoD.
- Job data will not be available before the next day.



Grafana Dashboard



- Detailed resource monitoring for the cluster.



Open OnDemand Dashboard

- A dashboard for all your HPC daily activities.

powered by



Welcome to Open OnDemand Dashboard Pilot Testing Environment

Open OnDemand is a new integrated dashboard that provides many new and useful features for HPC Users. The integration is still currently a work in progress, so users might encounter some issues or bugs when using it. Please report any problems to our [service desk](#).



Featured Apps A featured subset of all available apps

Jupyter Notebook
System Installed App

VMD
System Installed App

Ansys
ANSYS Workbench
System Installed App

RStudio
System Installed App

Multifn
System Installed App

News & Updates

09-30-2021

Restoration of HPC Service

We would like to inform you that our HPC service is now accessible again starting 10:00pm, 30 September 2021. We managed to identify the root cause of the internal service which is causing random failure on the HPC core component. We have applied fixes to that internal service, and did not [...]

09-28-2021

Major Service Disruption

Dear DiCC Users, We are currently experiencing another major service disruption due to an unknown internal service problem. We are currently in the process of investigating so we will be having an unscheduled emergency maintenance. We will be updating again once the service is stabilized and accessible again. We are [...]

09-27-2021

HPC Service Disruption

Dear DiCC Users, We were facing HPC service disruption due to major failure on one of the internal core services around 6:45pm. The HPC service has recovered around 9:15pm and is now accessible. All running jobs failed due to broken connection with the Lustre Storage system. Users will need to resubmit [...]

09-14-2021

[Completed] DiCC HPC Maintenance

Dear DiCC users, We are having scheduled maintenance for our HPC service starting from 24th Sept (Friday) 12pm to 20th Sept (Sunday) 12pm. All services will be unavailable for the duration of the maintenance. Please do plan your jobs accordingly. UPDATE 1: The maintenance period will be extended for another day. [...]

09-12-2021

More Compute Nodes Added to the HPC Cluster

Dear DiCC Users, We are pleased to announce that 4 more compute nodes have been brought online in the HPC cluster: 3 Opteron CPU nodes that get added back to the cpu-opteron partition. 1 new GPU server, which comes with 2 x Tesla v100s GPU cards, 64 CPUs and 192 [...]

09-07-2021

Service Status Page

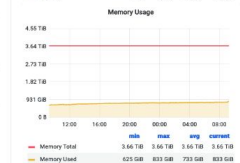
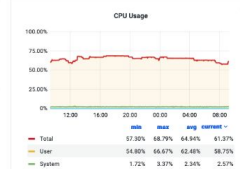
We have added a Service Status Page to display information about our service availability and uptime, so that users can know when our primary or supporting services are down or having issues. The Service Status Page can be access here: <https://stats.uplimerobot.com/JKYM88BNMx> If you encounter some login issues, consider checking out the Service Status Page and see if [...]

09-03-2021

Presentation Slides & Recorded Videos for Training is now Available

Dear all Users, The presentation slides and recorded videos for the training session on 1st and 2nd September 2021 are now available in our Confluence. You can check and download them from the Training Materials section in the Confluence: <https://portal.onedemand.dic.ac.uk/mydisplay/HPCDOCs/TrainingMaterials> The recordings and slides have all been renamed with module

24 Hours Cluster Utilisation [Open Monitoring](#)



Jobs Efficiency Report - 2021-11-10 to 2021-12-10 [Open XDMOD](#)



Core Hours Efficiency Report - 2021-11-10 to 2021-12-10 [Open XDMOD](#)



Recently Completed Jobs - 2021-11-10 to 2021-12-10 [Open XDMOD](#)

ID	Name	Date	CPU
22663	Multifn Interactive	12/5	12%

Jobs Module

- List of all jobs in the queue.

The screenshot displays the Open OnDemand dashboard's Jobs Module. At the top, a navigation bar includes links for DICC OnDemand, Apps, Clusters, Files, Interactive Apps, Jobs, Utilities, and My Interactive Sessions. A user is logged in as 'jtkang'. A yellow banner welcomes users to the pilot testing environment, noting that the integration is still in progress. Below the banner, there are buttons for 'All Jobs' and 'All Clusters'. The main section is titled 'Active Jobs' and features a table with columns for ID, Name, User, Account, Time Used, Queue, Status, Cluster, and Actions. The table lists 20 jobs, with the last one (ID 22438) highlighted in grey. A 'Filter:' input field is located to the right of the table.

Active Jobs

Show 50 entries

Filter:

ID	Name	User	Account	Time Used	Queue	Status	Cluster	Actions
>	22673	ansys.batch	chonghoo.ilm	free	00:00:00	cpu-epyc	Queued	DICC SLURM Cluster
>	22718	bash	fahmi8	free	04:24:07	cpu-epyc	Running	DICC SLURM Cluster
>	22630	ansys_vnc	sawsn	free	37:55:03	cpu-epyc	Running	DICC SLURM Cluster
>	22716	Tel8-bi	chew	free	05:42:09	cpu-epyc	Running	DICC SLURM Cluster
>	22715	Nim6-xx	chew	free	05:44:02	cpu-epyc	Running	DICC SLURM Cluster
>	22642	TelM2-xx	chew	free	29:18:38	cpu-epyc	Running	DICC SLURM Cluster
>	22485	TelM4-xx	keathouyeoh	free	53:47:26	cpu-epyc	Running	DICC SLURM Cluster
>	21482	H2-PH	chew	free	288:47:51	cpu-epyc	Running	DICC SLURM Cluster
>	22247	TelM4-bi	keathouyeoh	free	77:22:04	cpu-epyc	Running	DICC SLURM Cluster
>	22703	TelM2-yy	keathouyeoh	free	16:25:05	cpu-epyc	Running	DICC SLURM Cluster
>	22668	mAdd_pts	keathouyeoh	free	26:34:04	cpu-epyc	Running	DICC SLURM Cluster
>	22641	TelM2-bi	keathouyeoh	free	29:22:52	cpu-epyc	Running	DICC SLURM Cluster
>	22717	Tel8-xx	keathouyeoh	free	05:39:26	cpu-epyc	Running	DICC SLURM Cluster
>	22719	H4-PH	chew	free	00:00:00	cpu-opteron	Queued	DICC SLURM Cluster
>	22513	npt_amber18	raziltahir	free	04:19:12	cpu-opteron	Running	DICC SLURM Cluster
>	22514	npt_amber18	raziltahir	free	04:19:12	cpu-opteron	Running	DICC SLURM Cluster
>	22439	LUMO_5	jiashengsiow	free	64:05:04	cpu-opteron	Running	DICC SLURM Cluster
>	22438	ft_ex_5	jiashengsiow	free	64:05:07	cpu-opteron	Running	DICC SLURM Cluster

Jobs Module

- Summarized details of job in list.

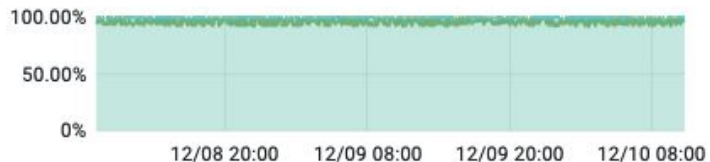
Running TeL2-bi 22487	
Cluster	DICC SLURM Cluster
Job Id	22487
Job Name	TeL2-bi
User	██████████
Account	free
Partition	cpu-opteron
State	RUNNING
Reason	None
Total Nodes	1
Node List	cpu01
Total CPUs	32
Time Limit	14-00:00:00
Time Used	2-01:39:10
Memory	32768M

Jobs Module

- Job performance metrics graph.
- Easier to check job resources usage.

Node: cpu01 Job: 22487 [Detailed Metrics](#)

Job CPU Usage



22487 CPU system	0.019%	7.856%	3.488%	1.894%
22487 CPU total	99.531%	100.369%	99.951%	99.723%

Job Memory Usage



22487 cache	28.367 MiB	9.914 GiB	267.427 MiB	70.410 MiB
22487 swap	0 B	2.000 MiB	3.651 KiB	0 B

Interactive Apps with a Form

- Run your interactive application with the help of a preset form.

Home / My Interactive Sessions / VNC Desktop

Interactive Apps

- Desktops
 - VNC Desktop**
- GUIs
 - ANSYS Workbench
 - Multiwfn
 - VMD
 - IDE
 - RStudio
- Servers
 - Jupyter Notebook

VNC Desktop

This app will launch an interactive desktop on one or more compute nodes. You will have full access to the resources these nodes provide. This is analogous to an interactive batch job.

Desktop Type

KDE

Partition

cpu-opteron

Specify the partition to submit job to.

Number of Node(s)

1

Specify the number of nodes needed for this job.

Number of CPU(s)

1

Specify the amount of CPUs needed for this job.

Memory Required (GB)

1

Specify the amount of Memory needed for this job.

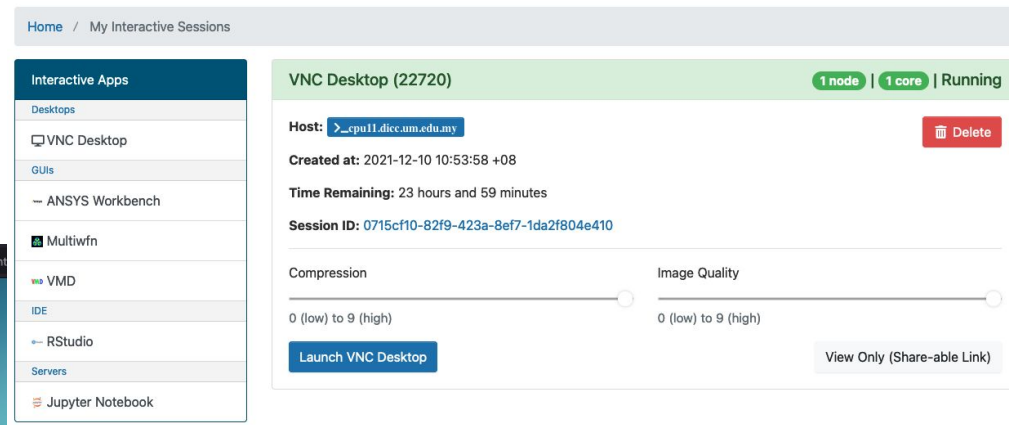
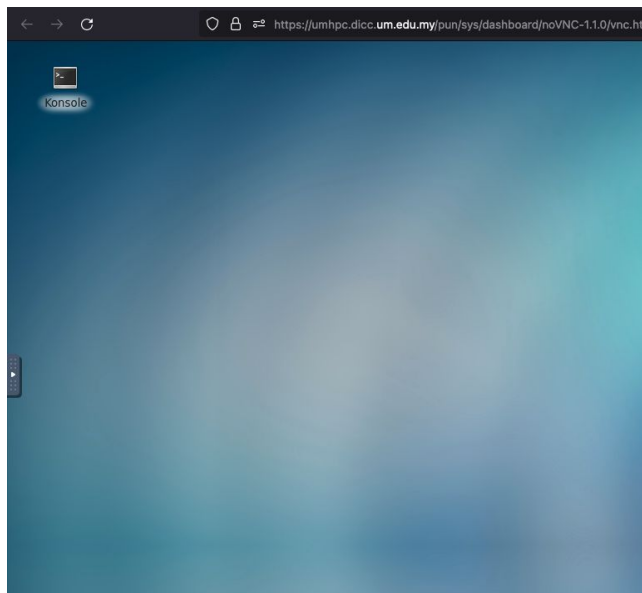
Number of GPU(s)

Leave this field blank if your job do not require any GPU.

Enable Multithreading?

VNC and Interactive Apps with a Button

- Connect to VNC Desktop or Interactive Apps within web browser with a single button.

A screenshot of a web dashboard titled 'My Interactive Sessions'. On the left is a sidebar menu with categories: 'Interactive Apps', 'Desktops', 'GUIs', and 'Servers'. Under 'Interactive Apps', 'VNC Desktop' is selected. The main panel shows details for a 'VNC Desktop (22720)' session. It is running on 1 node and 1 core. The host is >_cpu11.dicc.um.edu.my. It was created at 2021-12-10 10:53:58 +08 and has 23 hours and 59 minutes remaining. The session ID is 0715cf10-82f9-423a-8ef7-1da2f804e410. There are sliders for 'Compression' and 'Image Quality', both ranging from 0 (low) to 9 (high). A 'Launch VNC Desktop' button is present, along with a 'Delete' button and a 'View Only (Share-able Link)' button.

Web Based File Manager

- Manage your files within web browser.
 - Download
 - Upload
 - Edit
 - View

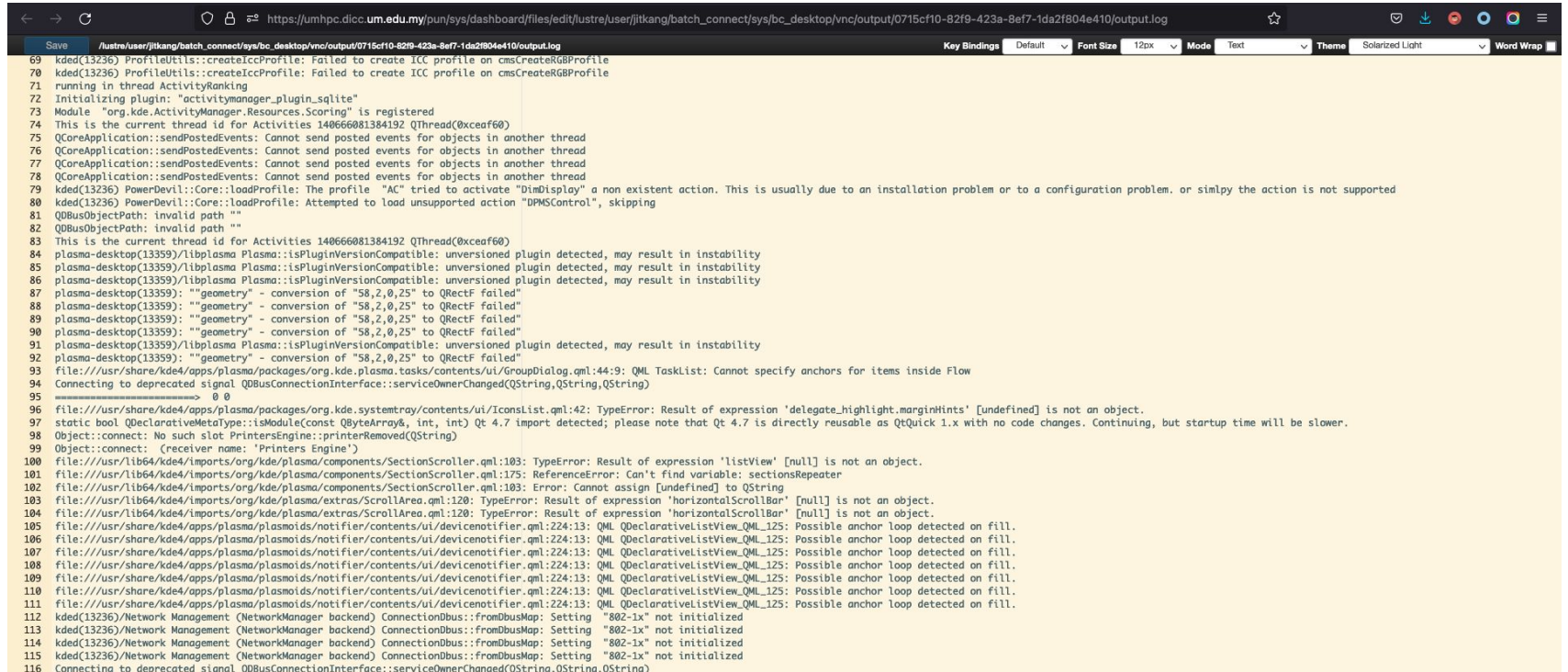
The screenshot displays a web-based file manager interface. At the top, there is a navigation bar with buttons for "Open in Terminal", "New File", "New Directory", "Upload", "Download", "Copy/Move", and "Delete". Below this is a breadcrumb path: "/ lustre / user / jitkang / batch_connect / sys / bc_desktop / vnc / output / 0715cf10-82f9-423a-8ef7-1da2f804e410 /". To the right of the path are buttons for "Change directory" and "Copy path". Below the path, there are checkboxes for "Show Owner/Mode" and "Show Dotfiles", and a "Filter:" input field. The main content area shows a table of files and folders. The table has columns for "Type", "Name", "Size", and "Modified at". The files listed are:

Type	Name	Size	Modified at
Folder	desktops	-	06/12/2021 11:12:25
File	before.sh	100 Bytes	10/12/2021 10:53:58
File	connection.yml	106 Bytes	10/12/2021 10:54:24
File	job_script_content.sh	6.53 KB	10/12/2021 10:53:58
File	job_script_options.json	590 Bytes	10/12/2021 10:53:58
File	output.log	18.7 KB	10/12/2021 10:54:45
File	script.sh	509 Bytes	10/12/2021 10:53:58
File	user_defined_context.json	218 Bytes	10/12/2021 10:53:58
File	vnc.log	4.18 KB	10/12/2021 10:57:09
File	vnc.passwd	16 Bytes	10/12/2021 10:54:24

At the bottom right of the table, it says "Showing 10 rows - 0 rows selected".

Web Based File Manager

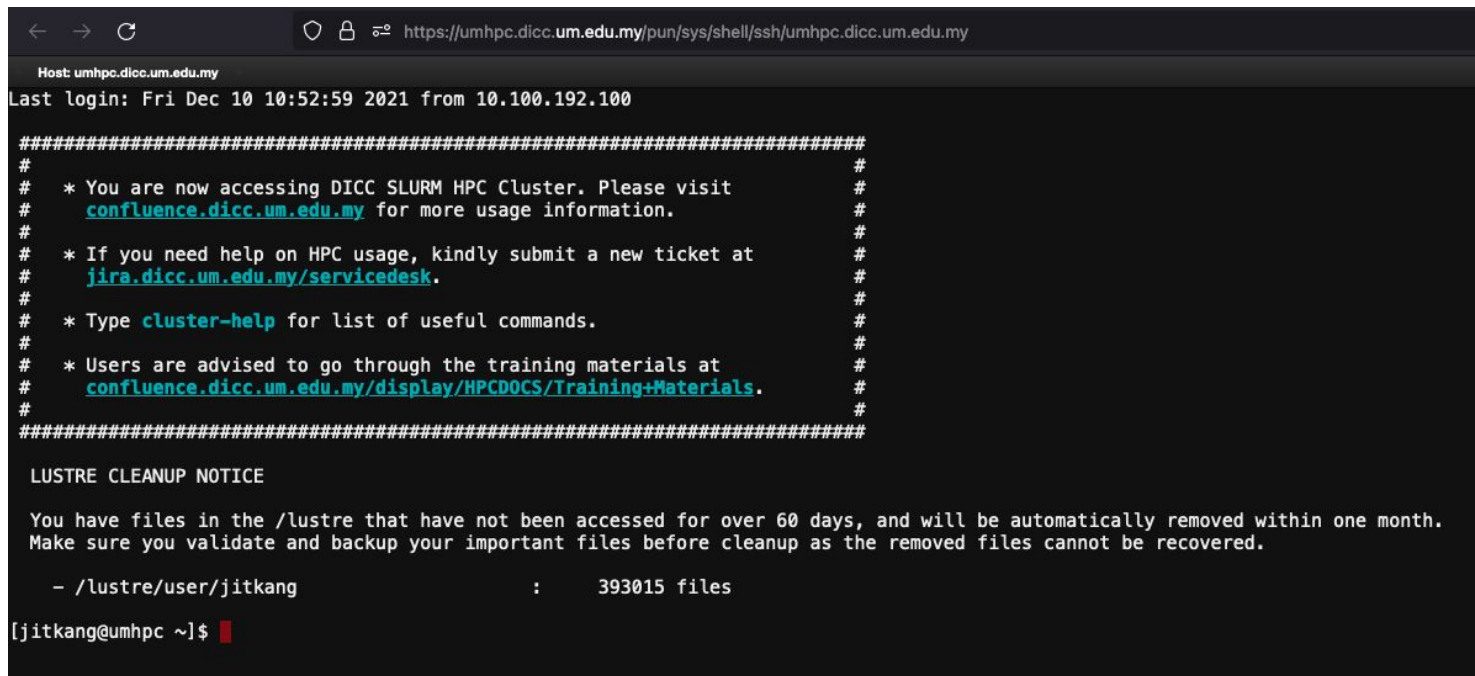
- View and Edit file within web browser with the built-in editor.



```
Save /mnt/usb/jj/kang/batch_connect/sys/bc_desktop/vnc/output/0715cf10-82f9-423a-8ef7-1da2f804e410/output.log
69 kded(13236) ProfileUtils::createIccProfile: Failed to create ICC profile on cmsCreateIccProfile
70 kded(13236) ProfileUtils::createIccProfile: Failed to create ICC profile on cmsCreateRGBProfile
71 running in thread ActivityRanking
72 Initializing plugin: "activitymanager_plugin_sqlite"
73 Module "org.kde.ActivityManager.Resources.Scoring" is registered
74 This is the current thread id for Activities 140666081384192 QThread(0xceaaf60)
75 QCoreApplication::sendPostedEvents: Cannot send posted events for objects in another thread
76 QCoreApplication::sendPostedEvents: Cannot send posted events for objects in another thread
77 QCoreApplication::sendPostedEvents: Cannot send posted events for objects in another thread
78 QCoreApplication::sendPostedEvents: Cannot send posted events for objects in another thread
79 kded(13236) PowerDevil::Core::loadProfile: The profile "AC" tried to activate "DimDisplay" a non existent action. This is usually due to an installation problem or to a configuration problem. or simply the action is not supported
80 kded(13236) PowerDevil::Core::loadProfile: Attempted to load unsupported action "DPMSControl", skipping
81 QDBusObjectPath: invalid path ""
82 QDBusObjectPath: invalid path ""
83 This is the current thread id for Activities 140666081384192 QThread(0xceaaf60)
84 plasma-desktop(13359)/libplasma Plasma::isPluginVersionCompatible: unversioned plugin detected, may result in instability
85 plasma-desktop(13359)/libplasma Plasma::isPluginVersionCompatible: unversioned plugin detected, may result in instability
86 plasma-desktop(13359)/libplasma Plasma::isPluginVersionCompatible: unversioned plugin detected, may result in instability
87 plasma-desktop(13359): "geometry" - conversion of "58,2,0,25" to QRectF failed"
88 plasma-desktop(13359): "geometry" - conversion of "58,2,0,25" to QRectF failed"
89 plasma-desktop(13359): "geometry" - conversion of "58,2,0,25" to QRectF failed"
90 plasma-desktop(13359): "geometry" - conversion of "58,2,0,25" to QRectF failed"
91 plasma-desktop(13359)/libplasma Plasma::isPluginVersionCompatible: unversioned plugin detected, may result in instability
92 plasma-desktop(13359): "geometry" - conversion of "58,2,0,25" to QRectF failed"
93 file:///usr/share/kde4/apps/plasma/packages/org.kde.plasma.tasks/contents/ui/GroupDialog.qml:44:9: QML Tasklist: Cannot specify anchors for items inside Flow
94 Connecting to deprecated signal QDBusConnectionInterface::serviceOwnerChanged(QString,QString,QString)
95 =====
96 0
97 file:///usr/share/kde4/apps/plasma/packages/org.kde.systemtray/contents/ui/IconList.qml:42: TypeError: Result of expression 'delegate.highlight.marginHints' [undefined] is not an object.
98 static bool QDeclarativeMetaType::isModuleConst (ByteArray&, int, int) Qt 4.7 import detected; please note that Qt 4.7 is directly reusable as QtQuick 1.x with no code changes. Continuing, but startup time will be slower.
99 Object::connect: No such slot PrintersEngine::printerRemoved(QString)
100 Object::connect: (receiver name: 'Printers Engine')
101 file:///usr/lib64/kde4/imports/org.kde.plasma/components/SectionScroller.qml:103: TypeError: Result of expression 'listView [null] is not an object.
102 file:///usr/lib64/kde4/imports/org.kde.plasma/components/SectionScroller.qml:175: ReferenceError: Can't find variable: sectionsRepeater
103 file:///usr/lib64/kde4/imports/org.kde.plasma/components/SectionScroller.qml:103: Error: Cannot assign [undefined] to QString
104 file:///usr/lib64/kde4/imports/org.kde.plasma/extras/ScrollArea.qml:120: TypeError: Result of expression 'horizontalScrollBar [null] is not an object.
105 file:///usr/lib64/kde4/imports/org.kde.plasma/extras/ScrollArea.qml:120: TypeError: Result of expression 'horizontalScrollBar [null] is not an object.
106 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
107 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
108 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
109 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
110 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
111 file:///usr/share/kde4/apps/plasma/plasmoids/notifier/contents/ui/devicenotifier.qml:224:13: QML QDeclarativeListView_QML_125: Possible anchor loop detected on fill.
112 kded(13236)/Network Management (NetworkManager backend) ConnectionBus::fromDBusMap: Setting "802-1x" not initialized
113 kded(13236)/Network Management (NetworkManager backend) ConnectionBus::fromDBusMap: Setting "802-1x" not initialized
114 kded(13236)/Network Management (NetworkManager backend) ConnectionBus::fromDBusMap: Setting "802-1x" not initialized
115 kded(13236)/Network Management (NetworkManager backend) ConnectionBus::fromDBusMap: Setting "802-1x" not initialized
116 Connecting to deprecated signal QDBusConnectionInterface::serviceOwnerChanged(QString,QString,QString)
```

Web Based SSH Shell

- Access SSH from web browser.



```
← → ↻ https://umhpc.dicc.um.edu.my/pun/sys/shell/ssh/umhpc.dicc.um.edu.my
Host: umhpc.dicc.um.edu.my
Last login: Fri Dec 10 10:52:59 2021 from 10.100.192.100
#####
#
# * You are now accessing DICC SLURM HPC Cluster. Please visit
#   confluence.dicc.um.edu.my for more usage information.
#
# * If you need help on HPC usage, kindly submit a new ticket at
#   jira.dicc.um.edu.my/servicedesk.
#
# * Type cluster-help for list of useful commands.
#
# * Users are advised to go through the training materials at
#   confluence.dicc.um.edu.my/display/HPCDOCS/Training+Materials.
#
#####
LUSTRE CLEANUP NOTICE

You have files in the /lustre that have not been accessed for over 60 days, and will be automatically removed within one month.
Make sure you validate and backup your important files before cleanup as the removed files cannot be recovered.

- /lustre/user/jitkang           : 393015 files

[jitkang@umhpc ~]$
```


Job Composer

- Various job pre-defined submission script templates for different jobs.

Templates

To create a new job, select a template to copy, fill out the form to the right, and click "Create New Job".

[+ New Template](#) [Copy Template](#)

[View Files](#) [Open Terminal](#) [Delete](#)

Show entries Search:

Name	Cluster	Source
Basic AMBER CPU Job	Slurm	System Templates
Basic AMBER GPU Job	Slurm	System Templates
Basic Gaussian CPU Job	Slurm	System Templates
Basic Gaussian GPU Job	Slurm	System Templates
Basic Gromacs CPU Job	Slurm	System Templates
Basic JDFTX CPU Job	Slurm	System Templates
Basic Multi-Nodes Gromacs CPU Job	Slurm	System Templates
Basic Multi-Nodes Quantum Espresso CPU Job	Slurm	System Templates
Basic Quantum Espresso CPU Job	Slurm	System Templates
Basic R CPU Job	Slurm	System Templates

Showing 1 to 10 of 11 entries Previous **1** 2 Next

Create New "Basic AMBER CPU Job"

A Basic Amber CPU Job.
<https://confluence.dlcc.um.edu.my/display/HPCDOCS/Amber>

Job Name:

Cluster:

Script Name:

[Create New Job](#) [Reset](#)

Selected Template Details

Template location:

Folder Contents:

Job Composer

- Create your own job template and share with others.

New Template

Path (the template will be created by copying files from this source path)

• If left blank, a default job script will be added to your new template.

Name

Cluster:

Notes

Job Composer

- Organized directory per job template project:

`/lustre/user/<username>/project/default/<Project ID>`

Featured Interactive Apps on Front Page

- Quickly access interactive applications when you login.

Featured Apps A featured subset of [all available apps](#)




Jupyter Notebook
System Installed App




VMD
System Installed App



ANSYS Workbench
System Installed App



RStudio
System Installed App



Multiwfn
System Installed App

Never Misses any DICCC Update

- News and Updates on front page.

News & Updates

09-30-2021

Restoration of HPC Service

We would like to inform you that our HPC service is now accessible again starting 1.00pm, 30 September 2021. We managed to identify the root cause of the internal service which is causing random failure on the HPC core component. We have applied fixes to that internal service, and did not [...]

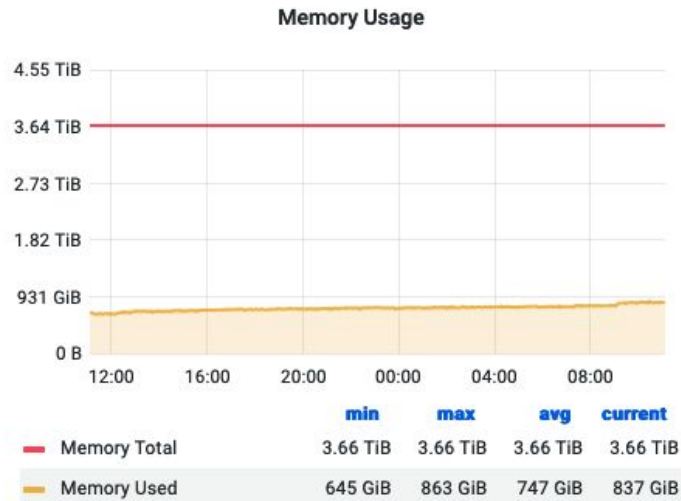
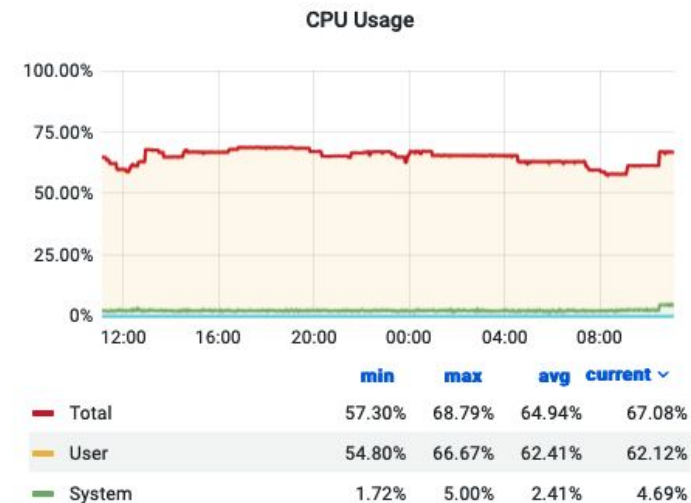
09-28-2021

Major Service Disruption

Dear DICCC Users, We are currently experiencing another major service disruption due to an unknown internal service problem. We are currently in the process of investigating so we will be having an unscheduled emergency maintenance. We will be updating again once the service is stabilized and accessible again. We are [...]

24H Cluster Resource Information Quick Glance

- Two graphs for cluster overall CPU and Memory Usage



Job Efficiency Report

- A summary for your last month jobs.
- More details can be found in XDMoD.

Jobs Efficiency Report - 2021-11-10 to 2021-12-10

[Open XDMoD](#)

83.8% efficient

16.2% inefficient



6 inefficient jobs / 37 total jobs

Core Hours Efficiency Report - 2021-11-10 to 2021-12-10

[Open XDMoD](#)

99.5% efficient

0.5% inefficient



0.7 inefficient core hours / 150.8 total core hours

Enhanced HPC cluster-info

- More color way for your daily HPC resources query.

HPC Cluster Information

Output generated: 2021-12-10 11:11:37 +0800

Partition	Node Name	CPU			Memory (GB)			GPU			
		Free	Total	Utilisation	Free	Total	Utilisation	Name	Free	Total	Utilisation
cpu-epyc	cpu12	0	96		74	234					
cpu-epyc	cpu13	0	96		114	234					
cpu-epyc	cpu14	8	96		94	234					
cpu-epyc	cpu15	0	96		200	234					
cpu-opteron	cpu01	0	64		148	234					
cpu-opteron	cpu03	0	64		170	234					
cpu-opteron	cpu04	0	64		230	234					
cpu-opteron	cpu05	4	64		230	234					
cpu-opteron	cpu06	64	64		234	234					
cpu-opteron	cpu07	0	64		0	234					
cpu-opteron	cpu08	0	64		18	234					
cpu-opteron	cpu09	0	64		0	234					
cpu-opteron	cpu10	0	64		0	234					

Check Home Directory Quota

- Check your home directory (NFS) Quota.

Quota

Output generated: 2021-12-10 14:46:47 +0800

Filesystem	Blocks	Blocks Quota	Blocks Limit	Blocks Grace	Files	Files Quota	Files Limit	Files Grace
10.11.141.33:/mnt/hpc_home	70024M	1000G	1100G	0	566k	1000k	1100k	0

Resource Reservation Information

- Wonder if some HPC resources are reserved?

HPC Resources Reservation Information

Output generated: 2021-12-13 10:10:27 +0800

Reservation Name	Start	End	Reserved Nodes	Reserved For	Reserved TRES	Flags
cpu06_hardware_check	2021-11-03T15:20:54	2022-11-03T15:20:54	cpu06	root,jitkang,testuser	cpu=64	MAINT,IGNORE_JOBS,SPEC_NODES
nvidia_update_reboot	2021-12-07T18:42:11	2022-12-07T18:42:11	gpu01	root	cpu=32	MAINT,IGNORE_JOBS,SPEC_NODES
ood_training_resv	2021-12-13T07:24:37	2022-12-13T07:24:37	cpu10	jitkang,testuser	cpu=64	MAINT,IGNORE_JOBS,SPEC_NODES,MAGNETIC

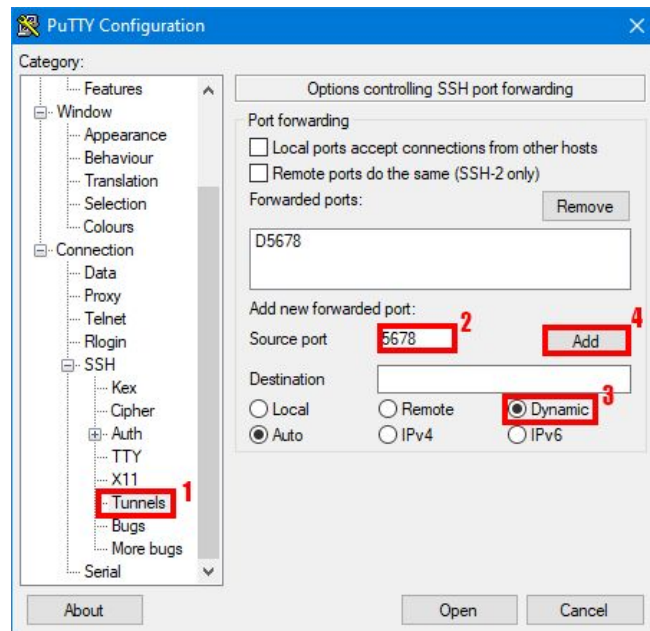
Ready for Action?

Software Requirements

- SSH Terminal
 - PuTTY
 - Terminal for Linux and MacOS
- Web browsers
 - Google Chrome
 - Firefox
- Web browser plugin
 - SwitchyOmega

Proxy Tunnel Settings

- Documentation page:
<https://confluence.dicc.um.edu.my/display/HPCDOCS/Setting+up+SSH+Tunnel>
- Remember the port number used.
- In this case 5678 or 9999.



```
~ (-zsh) +  
[~/Users/jitkang - jitkang] ssh -D 9999 jitkang@umhpc.dicc.um.edu.my
```

Browser Extension (SwitchyOmega)

- To allow web browser to connect through the Proxy Tunnel.
- Download
 - Google Chrome
 - <https://chrome.google.com/webstore/detail/proxy-switchyomega/padekgcemlokbadohgkifijomclgijgif?hl=en>
 - Firefox
 - <https://addons.mozilla.org/en-US/firefox/addon/switchyomega/>



Proxy SwitchyOmega

Offered by: FelisCatus

Import SwitchyOmega Settings

- [Click to download Settings File](#)

SwitchyOmega

SETTINGS

 Interface

 General

 Import/Export


PROFILES

 DICC Webserver SOCK5

 auto switch

 New profile...

ACTIONS

 Apply changes

 Discard changes

Import/Export


Profile

 To export a profile, use the top-right action bar on the profile page.

Settings

 Make backup

Make a full backup of your options (including profiles and all other options).

 Restore from file

Restore your SwitchyOmega options from a local file.

Restore from online

Options file URL (e.g. 'http://example.com/switchy.bak')

Restore

Syncing (Experimental)

You can now automatically synchronize your settings and profiles across all your desktop devices running Chrome browser.

 Enable Syncing

Adjust Proxy Port in SwitchyOmega

- Adjust the port if according to the port used earlier.

SwitchyOmega

SETTINGS

Interface

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Import/Export

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DICC Webserver SOCK5

auto switch

New profile...

ACTIONS

Apply changes

Discard changes

Profile :: DICC Webserver SOCK5

Proxy servers

Scheme	Protocol	Server	Port	
(default)	SOCKS5	localhost	9999	

[Show Advanced](#)

Bypass List

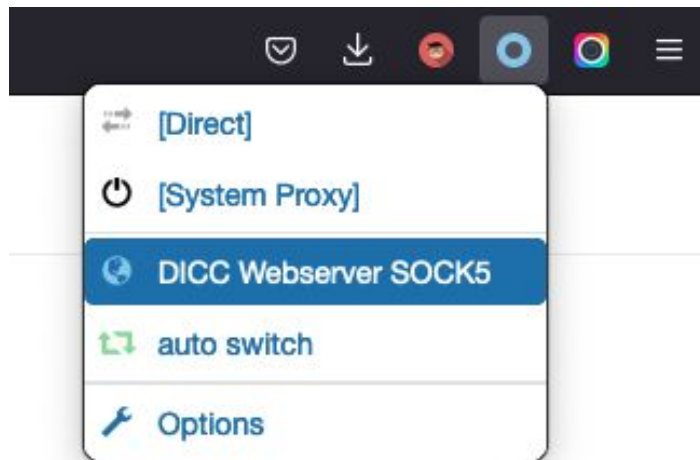
Servers for which you do not want to use any proxy: (One server on each line.)

[\(Wildcards and more available...\)](#)

```
127.0.0.1  
[::1]  
localhost
```


SWITCH ON SwitchyOmega

- Make sure to switch on the proxy, or otherwise it won't work.
- Turn it off if you no longer need the proxy.



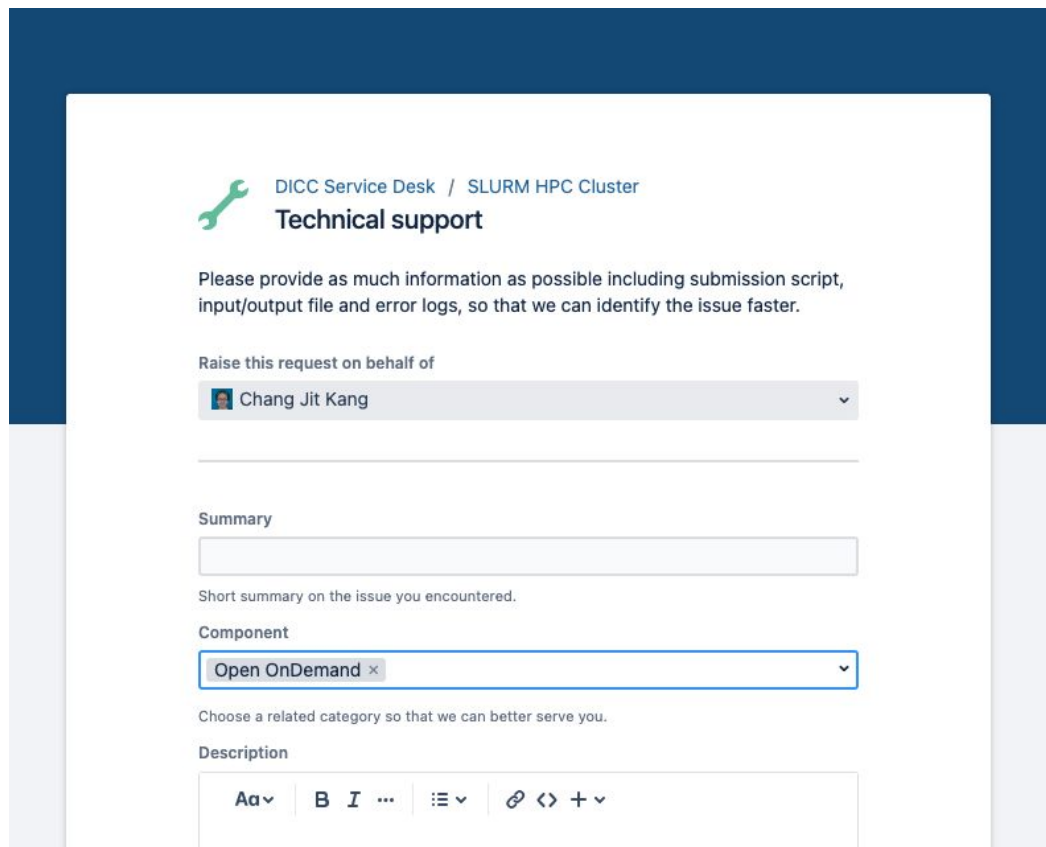
Accessing the Dashboard

- Open your web browser, go to url <https://umhpc.dicc.um.edu.my>.


Any Question?

Service Desk

- Report any problems to Service Desk.
- Select **Open OnDemand** as the component.




The screenshot shows a web form for reporting technical support. At the top, there is a green wrench icon followed by the text "DICC Service Desk / SLURM HPC Cluster" and "Technical support". Below this is a paragraph of instructions: "Please provide as much information as possible including submission script, input/output file and error logs, so that we can identify the issue faster." The form includes a dropdown menu for "Raise this request on behalf of" with "Chang Jit Kang" selected. There is a "Summary" section with a text input field and a label "Short summary on the issue you encountered." Below that is a "Component" dropdown menu with "Open OnDemand" selected. At the bottom, there is a "Description" section with a rich text editor toolbar containing options for font size, bold, italic, list, link, and code.

 DICC Service Desk / SLURM HPC Cluster
Technical support

Please provide as much information as possible including submission script, input/output file and error logs, so that we can identify the issue faster.

Raise this request on behalf of

 Chang Jit Kang

Summary

Short summary on the issue you encountered.

Component

Open OnDemand

Choose a related category so that we can better serve you.

Description

Aa B I ... ☰ 🔗 <> +

Thank you