



NSTC 國家科學及技術委員會
National Science and Technology Council



國科會核心計算資源 申請與管理 (NSTCCORE)

<https://nstccore.twgrid.org>

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2025. 10. 15

Access to NSTCCore Services

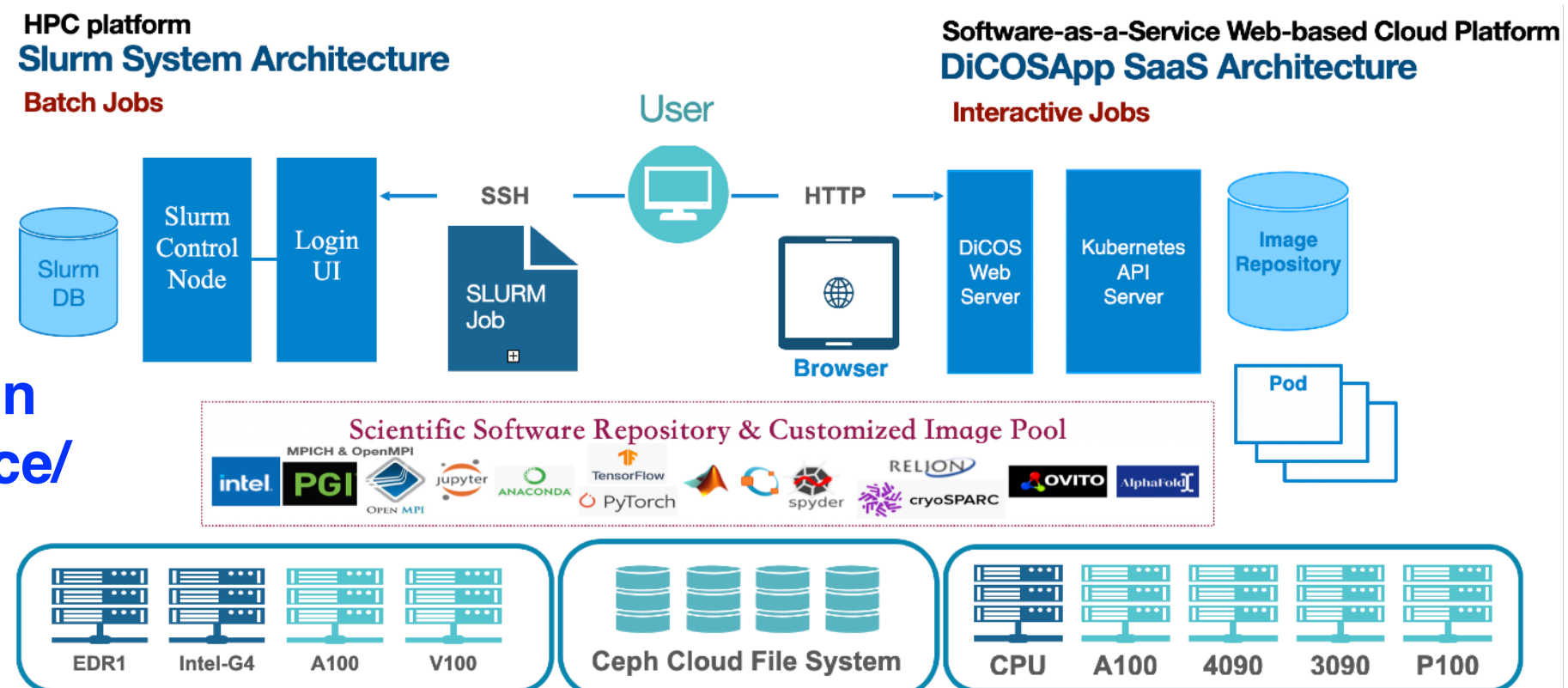
- **Computing Services**

- **Batch Jobs Computing Service**
 - **Slurm Work Management System**
- **Interactive Jobs Computing Service: based on PI/Community requirements**
 - **JupyterLab**
 - **Scalable & Virtualized Service-as-a-Service (SaaS) Service Model**
 - **Software on-demand Web-based UI ?**
 - **Customized Application Deployment**
 - **Image repository**

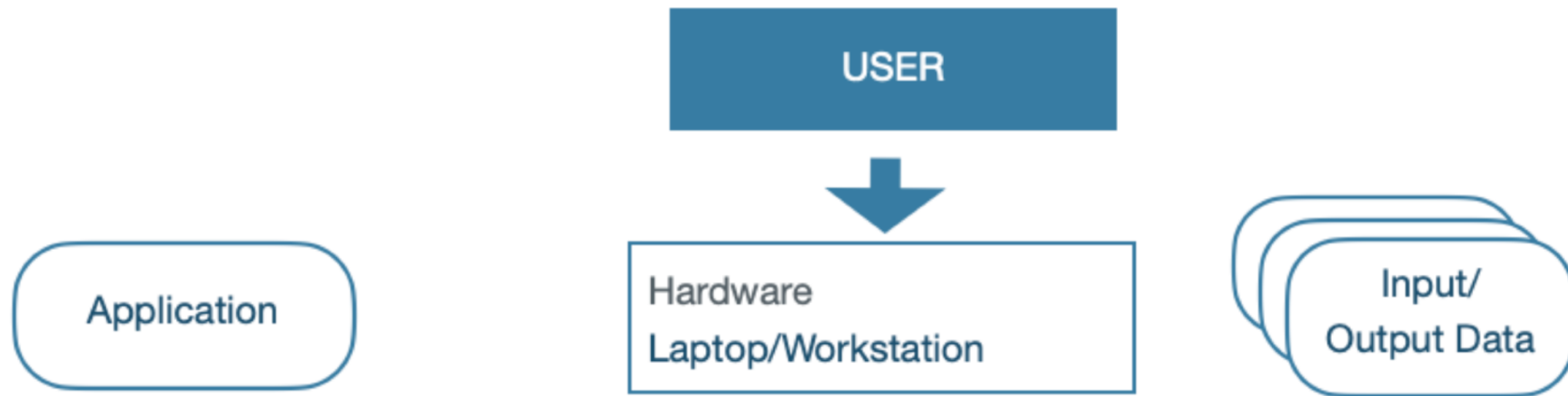
- **Storage Services**

- **Home directory**
- **Group storage**
- **Data transfer**
- **Tape backup**

- **Advanced Services:**
workflow/system
integration, efficiency
improvement, application
environment maintenance/
validation, etc.



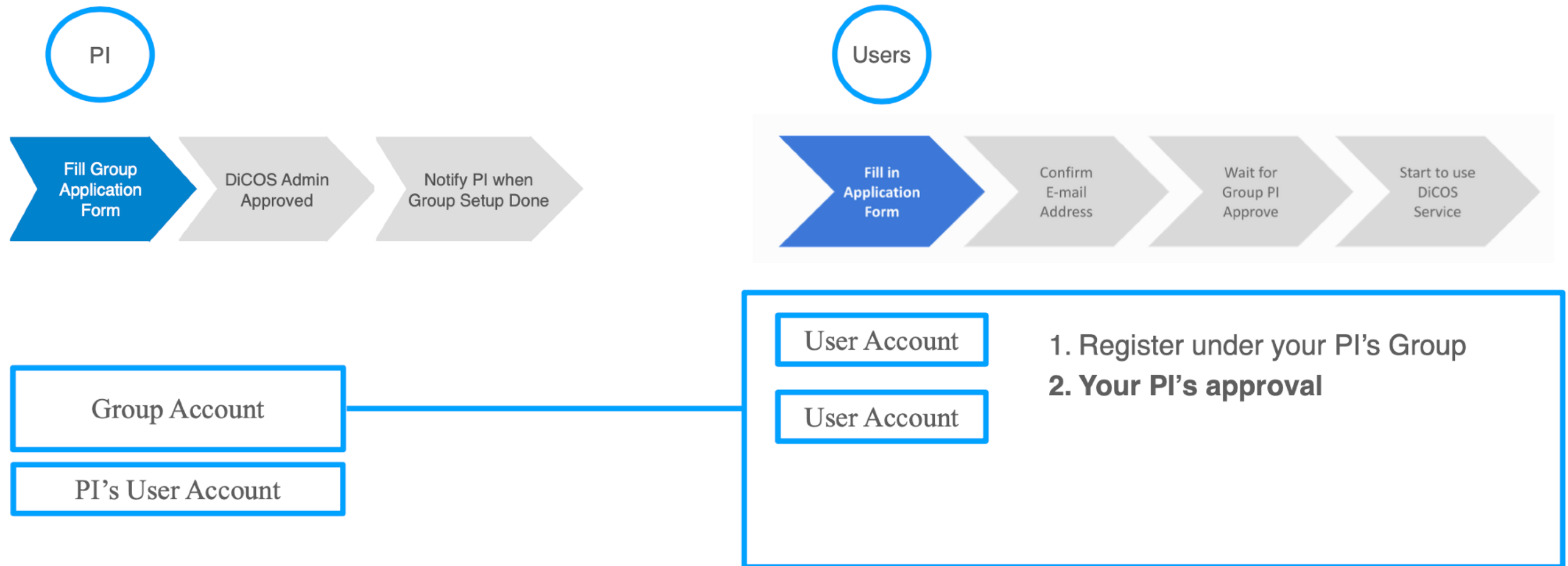
Frequent User Challenges



Challenges

- Integration with different hardwares challenge
- rapid software version migrations
- software specific performance issues
- computing scale limited
- Rapid hardware development
- hardware performance tuning... etc.
- Time-consuming Data transfer
- Backup and damage risk
- Rapid data growth

Group & User Management



- Group Accounts

- <https://canew.twgrid.org/ApplyAccount/groupcreate.php>

- User Accounts

- <https://canew.twgrid.org/ApplyAccount/ApplyAccount.php>

Group Account Initiation

ASGCCA General Information Certificate Certificate Download Management Account VOMs

Apply New Group

Fill in Application Form

Confirm E-mail Address

Wait for ASGC Approve

Start to apply DiCOS account

If you don't see your group in [Apply Account page](#), please ask your PI to create new group.

The charging mode please see: [ASGC Pricing](#)

Starting from 2023, before the 15th of each month, the accounting report of the previous month will be sent for your reference. Monthly resource usage statistics after January 2022 are also available on the [ASGC website](#).

Group Information

Group	Group Name	
PI Name	First Name	Last Name
PI Chinese Name	Chinese Name	
E-mail		
Phone		
Institute	---Choose---	Please fill with institute Full Name
Country		
PI's deputy E-mail		Add More E-mail
Do your members use Cryo-electron microscopy 中研院冷凍電顯設施 (ASCEM)? ☐ Yes ☒ No		

User Account Application

ASGCCA

General Information ▾

Certificate ▾

Certificate Download ▾

Management ▾

Account ▾

VOMs

Apply Account



After applying this account, you can use the following service:

1. [DiCOS](#)
2. [DiCOSBOX](#)

User Information

Group	---Choose---	v	If you don't find your PI in list, please ask your PI to Apply New Group .
Name	First Name	Last Name	
E-mail			
Backup E-mail 			
Phone			
Institute	---Choose---	v	Please fill with institute Full Name
Country			

Account Information

The password must **not**:

- Length is less than 8 characters
- Contain your Account

Account

Enhanced Security - Two Factor Authentication

- **Two-Factor Authentication Support from January 2025**
 - Google Authenticator (Install on your mobile device)
 - Get your own associated QR code and scan it to set up for your Google Authenticator
 - Obtain 6-digit verification code to access the computing services.
- See instructions via <https://canew.twgrid.org/ApplyAccount/howToSave2faCode.php>



User Account Policy

- **In compliance with ISO27001**
- **Password & Account Expiration**
 - 6-month validation
 - password & account expiry notification will be sent on 7, 15 and 30 days before expiration.
- **Account Deletion: Your account & user space (UI_home directory & work directory) will be removed after 6 months of expiration**
- **PI could inform ASGC in advance if there is any special request**

User Account Management

- User Profile

- Change Group* (PI approve)
- Change Password
 - <http://canew.twgrid.org/ApplyAccount/nocertModify.php>

- Resource Usage

- Free \$200 Credits for 1-month Trial
- Storage Usage

DICOSResourcesPolicyAboutDocumentationAPIAppsContactLive Chat

Your account

User Profile

User Profile

Usage Summary

Group Member List

Subscribe Storage Space

Resource Usage

Logout

Username

account_name

Group

group_name

First Name

your_first_name

Last Name

your_last_name

E-mail

your_email

Last Login

time_joined

Date Joined

Storage Usage

/dicos_ui_home/your_account

Latest Update: 2023-11-14 00:50:02

2.3GB/100GB

/ceph/work/your_group

Latest Update: 2023-11-14 00:30:03

0.4TB/4.0TB

Edit Profile

Change Password

使用統計摘要(TOTAL SUMMARY TABLE)

使用明細(DETAILED USAGE ACCOUNTING)

使用明細(DETAILED USAGE ACCOUNTING)

使用者(username): () Free Period: 2024-02-27 08:28:09~2024-03-27 08:28:09, Remain: NT \$199

用量異常回報(submit issue)

Alert		#Instance	EDR1	
			CPU	GPU
☐	EDR1 slurm	140	7,220	0

使用者(username): () Free Period: 2024-03-11 08:44:09~2024-04-11 08:44:09

Alert		#Instance	A100		EDR1		QDR6		RTX3090		V100	
			CPU	GPU	CPU	GPU	CPU	GPU	CPU	GPU	CPU	GPU
☐	jupyterlabcpu	4					14	0				

Group Management

- Members management
 - Members list
 - Abnormal member usage report
 - Member’s usage review

使用者 (username)	姓名(name)	Email	Expired Date	Active	Joined Date	Last Login	Storage Usage (UI Home)
chiong	CHAN-HIN IONG	chiong@me.com	Jun. 13, 2024, 00:00 AM	True	Aug. 22, 2018, 00:00 AM	Jul. 31, 2023, 03:41 AM	33.4G/100G Latest Update: 2023-07-31 00:50:03
dickie	Dickie Chang	dickie.chang@twgrid.org	Oct. 12, 2023, 00:00 AM	True	Dec. 15, 2022, 07:16 AM		
eric	嚴漢偉 嚴漢偉	Eric.Yen@twgrid.org	Oct. 18, 2023, 00:00 AM	True	Mar. 11, 2019, 09:13 AM	Jul. 06, 2023, 04:37 AM	0.0G/100G Latest Update: 2023-07-31 00:50:03
ericyen	Eric YEN	Eric.Yen@twgrid.org	Dec. 08, 2023, 00:00 AM	True	Apr. 23, 2013, 00:00 AM	Jul. 24, 2023, 03:22 AM	0.0G/100G Latest Update: 2023-07-31 00:50:03
etomo	etomo etomo	etomo@twgrid.org	Aug. 09, 2025, 00:00 AM	True	Dec. 23, 2020, 09:19 AM	Jan. 22, 2021, 10:16 AM	0.0G/100G Latest Update: 2023-07-31 00:50:03
felixlee	Felix Lee	felix@twgrid.org	Oct. 24, 2023, 00:00 AM	True	Mar. 05, 2013, 00:00 AM	Jul. 27, 2023, 07:29 AM	436.3G/100G Latest Update: 2023-07-31 00:50:03

使用統計摘要(TOTAL SUMMARY TABLE)	使用明細(DETAILED USAGE ACCOUNTING)
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使用明細(DETAILED USAGE ACCOUNTING)

使用者(username): chiong (CHAN-HIN IONG)

用量異常回報(submit issue)

Alert		#Instance	A100		FDR5		P100		RTX3090		V100	
			CPU (SRU)	GPU (SRU)	CPU (SRU)	GPU (SRU)	CPU (SRU)	GPU (SRU)	CPU (SRU)	GPU (SRU)	CPU (SRU)	GPU (SRU)
☐	reli311rtx3090	3							151	6,320		
☐	jupyterlabtf24gpu3090	2							11	474		
☐	matlab	2									0	6
☐	jupyterlabgpu26a100	1	1	519								
☐	openaccp100	1					11	282				
☐	FDR5 slurm	2			0	0						
☐	STORAGE USAGE (0.0 TB)											

使用統計摘要(TOTAL SUMMARY TABLE)

使用明細(DETAILED USAGE ACCOUNTING)

- 計算資源使用統計(COMPUTING USAGE OF GROUP) – 預估使用費(INITIAL COST): NT \$15,878

使用者(username)	姓名(name)	CPU (SRU)	GPU (SRU)	預估費用 (Initial Cost Estimation)
chiong	CHAN-HIN IONG	175	7,601	15,552
jyou	Jingya You	1	54	110
rudy	陳侑廷	3	0	6
thwu	Tsung-Hsun Wu	4	101	210
總計	單價SRU=NT\$2	183	7,756	(183+7,756)*2=15,878

- 儲存資源使用統計(STORAGE USAGE OF GROUP) – 預估使用費(INITIAL COST): NT \$417

帳號(ID)	名稱(name)	儲存空間用量(storage(TB))	預估費用(Initial Cost Estimation)	說明(note)
ASGC	Group	0.0	0.0	Group使用空間
chiong	CHAN-HIN IONG	0.0	0.0	User使用空間
jyou	Jingya You	0.0	0.0	User使用空間
rudy	陳侑廷	0.0	0.0	User使用空間
thwu	Tsung-Hsun Wu	4.9	408.3	User使用空間

Accounting & Billing

- Resource Usage Management

- Resource Usage
- Budget & Payment Management
- Monthly Bill will be delivered every month
- <https://dicos.grid.sinica.edu.tw/accounting/bill/>

- Payment Management

- How to Make Payment
- <https://nstccore.twgrid.org/>

使用者資源使用統計表

Resource Usage Monthly Report

請選擇月份(month)

Reporting Period: 01 - 13 January, 2025

PI Group : 尤靖雅 (Group ID: ASGC)

單位/所別(Institute) : 中央研究院 物理研究所

目前付款方式(How to charge) : 院內預算系統轉帳作業

儲存(save)

選擇付款方式

✓ 院內預算系統轉帳作業

其他付款方式

使用統計摘要(TOTAL SUMMARY TABLE)

使用明細(DETAILED USAGE ACCOUNTING)

• 計算資源使用統計(COMPUTING USAGE OF GROUP) — 預估使用費(INITIAL COST): NT \$1,495

使用者(username)	姓名(name)	CPU	GPU	預估費用 (Initial Cost Estimation)	說明(note)
jyou	Jingya You	1	0	5	
mandy4318	Ming-Jyuan Yang	1	0	3	
thwu	Tsung-Hsun Wu	195	24	1,331	
yiruchen0101	陳怡如	151	0	156	
總計	單價請參考Resources頁面	348	24	1,495	

Price of Service

CPU計算服務				
機器名稱	機器規格	計費單位(Per Core/Board-Day) 價格(NTD)	國內非學術單位使用者	國外學術單位使用者
intel-g4	Intel(R) Xeon(R) Gold 6448H	1.4	加計 50%	加計 50%
EDR1	AMD Genoa 9654 @2.4GHz	1.2		
HDR1	AMD Rome 7662 @2.0GHz	1		
GPU計算服務				
A100	NVIDIA A100	120	加計 50%	加計 50%
L40S	NVIDIA L40S	70		
RTX4090	NVIDIA RTX-4090	60		
RTX3090	NVIDIA RTX-3090	40		
RTX3090 (Dedicated for ASCEM user)	NVIDIA RTX-3090	40		
V100	NVIDIA V100	35		
P100	NVIDIA P100	8		
1080Ti	NVIDIA GTX-1080Ti	1		
儲存與擷取服務				
--	\$1000 NTD/TB-Year		加計 20%	加計 50%
--	\$3 NTD/TB-Day			
資料傳輸				
--	目前未納入計費			
進階服務				
--	依據所需人時計算。額外需開發之軟體、系統或使用介面等，將另按工時計費(每 168 man-hr 為 NT\$ 120,000)			

<https://nstccore.twgrid.org/access.php#pricing>

NSTCCore Services 聯絡資訊

- **Core Facility Services**
 - <https://nstccore.twgrid.org>
 - <https://scale.grid.sinica.edu.tw/index.php>
- **ASGC Web Site: <https://www.twgrid.org>**
- **Access to ASGC Resources**
 - <https://dicos.grid.sinica.edu.tw/>
- **Contact point: DiCOS-Support@twgrid.org**
- **Gentle Reminder**
 - Please include ASGC (Academia Sinica Grid-computing Center) in the acknowledgement when research outcomes that relied on ASGC resources, services or expertise are presented in your research.