# TSUBAME Portal User's Guide

TSUBAME Computing Services, Global Scientific Information and Computing Center

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# 1. Introduction

#### Ed of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

This TSUBAME 3.0 portal manages user authentication management, user group management, and TSUBAME point management of the TSUBAME 3.0 system.

Except for explicitly describing Tokyo Tech portal, the word 'portal' implies 'TSUBAME portal' in this manual.

#### 1.1. How to access

The portal can be accessed via the following URL.

https://portal.t3.gsic.titech.ac.jp

Please confirm that the SSL protocol is used to protect the connection. TSUBAME account is required to access the portal. To create the account, please refer this page.

## 1.2. Email

The portal sends email for user authentication, approval, and other notifications. All emails are sent from portal@t3.gsic.titech.ac.jp with S/ MIME electronic signature.

Emails without an electronic signature or the ones with invalid electric signature are dangerous, please DO NOT open them.

## 1.3. Screen structure

The screen of the portal consists of a header, a menu, and an operation screen.

TSUBAMEポータノ	レページ 🕕	ログアウ 日本語 Eng
Jser privilege: Account:toukoudai Current status: 利用中 Your Group:tga-group001	おしらせ システム管理	里者からのお知らせ
[TSUBAME Use Status] Job list Reserved node list [User Information] Change user information	ここにはシステム管理者 <u>FAQ</u> お問い合わせ	行からのお知らせが表示されます。
Register SSH public key       Password setting       Z       Terms List		
[Charging Management] <u>Manage payment code</u> <u>Budget code usage request</u> <u>for approval(0)</u>		
[Group] <u>Manage your group</u> <u>Create group</u> <u>Display history</u>		
No.	item	description
(1)	header	Logout button and language switching button are located. Language can choose between Japanese and English.

		Language can choose between Sapanese and English.
(2)	side menu	A list of functions is displayed. If you select the menu of the function you want to use, the operation screen will shift to that function screen.
(3)	operation screen	This area is used for operations on the functions selected in the side menu. Notice from the system administrator is displayed on the top page.

# 2. New user registration

#### Red of operation

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To use TSUBAME, you need to acquire an account. Students, faculty, and staff enrolled at Tokyo Tech can automatically obtain an account through the Tokyo Tech Portal. Also, if you are external users (non Tokyo Tech users), or having a special status at Tokyo Tech, your account will be created and notified by a person in charge of the Global Scientific Information and Computing Center (GSIC). For details, see Getting Accounts page in TSUBAME Computing Services website.

## 2.1. Register a user in the university

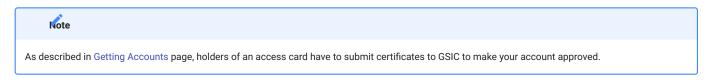
For Tokyo Tech users, access the TSUBAME 3.0 portal from the Tokyo Tech portal page. If user registration is not completed yet, the portal automatically shows the registration page. If you already have the account, the portal shows the regular top page.

New use request					
User classification	Intramural users				
HPCI-ID					
(If you already have an ID, enter the	e ID)				
*Name (Romaji)	Last name toukou	First name			
Name (Kanji)	Last name 東工	First name	大		
Name (Kana)	Last name トウコウ	First name	ヒロシ		
Citizen or Permanent Resident of J apan					
Card type					
*Occupation	Other				0
*Department	学内その他(その他)				0]
Department details					
Extension					
Extension (Other)					
FAX					
*Contact email address 1	toukoudai@hogehoge				
Contact email address 2					
Contact email address 3					
Mail box number					
Mail box number (Other)					
Main purpose for use	Other 🗘				
Research theme					
			Re	quest details	

Of the account registration details, the information registered in the Tokyo Tech Portal is automatically filed. Enter the remaining parts and click the "Request details" button Items marked with \* are required items.

New use request Confirmation				
User classification	学内利用者			
HPCI-ID				
Name (Romaji)	Last name toukoudai	First name hirosh		
Name (Kanji)	Last name 東工	First name $ imes$		
Name (Kana)	Last name toukoudai	First name hirosh		
Citizen or Permanent Resident of Japan	$\checkmark$			
[I] Card type				
Occupation	Other			
Department	学内その他(その他)			
Department details				
Extension				
Extension (Other)				
FAX				
Contact email address 1	toukoudai@hogehoge			
Contact email address 2				
Contact email address 3				
Mail box number				
Mail box number (Other)				
Main purpose for use	Other			
Research theme				
			Request	Back

After confirming the contents, press the "Apply" button. The application will be reviewed, and if approved automatically, your account will be created immediately. If manual approval by GSIC is necessary, the GSIC representative will check your application and creates your accounts if appropriate.



When an account is registered on the portal, a notification email will be sent to the user informing them of the completion of registration and the login name.

# 3. Login to the TSUBAME portal

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

There are two ways to login to the portal: via the Tokyo Tech portal (Tokyo Tech users only) or using a one-time URL.

# 3.1. Logging in via the Tokyo Tech portal (Tokyo Tech users only)

You can log in to the TSUBAME portal via the TSUBAME portal link on Tokyo Tech portal

### 3.2. Login using one-time URL

When you access the portal, the "Login" page is displayed.

Login
TSUBAME Login Name
Send email
Users on campus can also log in via [Titech portal]

Enter your login name in "TSUBAME Login Name" and click the "Send Mail" button. An email with a one-time login URL will be delivered to the email address registered in the TSUBAME portal.

The emails are from portal@t3.gsic.titech.ac.jp and have a digital signature. Please check that the sender is correct before using the URL in the email.

# 4. Agree to the Terms of Use

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

To use TSUBAME 3.0, you may need to agree to the terms. The terms of use have an application start date, and if you do not agree with the terms even after the application start date, some of the portal functions related to paid services will be deactivated.

# 4.1. List of Terms of Use

If you have unsolicited terms and conditions, a list of terms and conditions will be displayed immediately after logging into the system. You can check the contents of the terms of use by selecting the link for the terms of use.

Terms of Service Management
There are 1 not agreed terms of service.
2019/08/01 <b>[Agreement required]</b> 2 <u>020年度ストレージ利用規約の変更について</u>
2019/10/01 [Agreed: 2019/06/26] <u>2019年度ネットワーク利用規約変更について</u>
2019/10/01 [Agreed: 2019/06/26] 2019年度ストレージ規約の変更について 2010/10/01 [Agreed: 2010/05/01]
2019/10/01 [Agreed: 2019/05/01] <u>2019年度計算機利用規約変更について</u>

By selecting each term from the list, you can see the details.

Announcement of change of contract	×
<b>2020</b> 年度ストレージ利用規約の変更について	
利用規約の内容がここに記載されます。	
Agree Ignore	

After confirming the terms and conditions, select the "Agree" button or the "Ignore" button.

#### Arning

If the contract application start date is reached without consenting to the terms of service, TSUBAME group points cannot be purchased, group disk capacity can be changed, and node reservation operations will be disabled. If you log in to the TSUBAME 3.0 portal and agree to the terms and conditions that you have not agreed to, the restriction will be eliminated.

# 5. Management of user information

## Red of operation

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In this part, you can manage user information registered to TSUBAME. You need to prepare before using TSUBAME3 for the first time.

# 5.1. User information display

Log in to the system and select "Change user information" link from the side menu, the "User information change" page will be displayed.

User information change			
User status	( In use		
User classification	<ul> <li>学内利用者</li> <li>TSUBAME共同利用(学術利用)</li> <li>TSUBAME共同利用(産業利用)</li> <li>国際共同研究</li> <li>競争的資金や共同研究契約に基づいた研究</li> <li>その他共同研究</li> <li>Innovative High Performance Computing Infrastr</li> <li>学際大規模情報基盤挙動利用・共同研究拠点事業(JHP</li> <li>若手・女性利用者支援、より若い世代の利用者支援、</li> <li>その他センター長が認めた者</li> </ul>	PCN)	
Account	toukoudai		
UID	2226		
Expired date			
Name (Romaji)	Last nam e	First na me	太郎
Name (Kanji)	Last nam e	First na me	太郎
Name (Kana)	Last nam e トウコウダイ	First na me	タロウ
Card type	常動職員		
Occupation	Research and Teaching Staff(Others)		0
Department	技術部		•
Division details			
Extension 1			
Extension 2			
FAX number			
Email address 1	touko@toukou.portal		
Email address 2			
Email address 3			
Remarks			
Educational users	V		
Change	Reset		

In this screen, you can refer / edit information on "user."

## 5.2. SSH public key registration

#### warning

Please secure your SSH private key, with setting the passphrase to lock them. Do not register SSH public key corresponding to the private key which is not made by you, or is not managed correctly, such as the public key of other people.

To access the login node, you need to upload the SSH public key used for login. Please prepare an SSH public key in advance. See the FAQ below for how to create an SSH public key.

- How to create an SSH key pair in Linux/Mac/Windows(Cygwin/OpenSSH)
- I'm using PuTTY(MobaXterm), What do we need to register at SSH public key in TSUBAME portal?

From the side menu, choose "Add SSH public key."

Add SSH public key
An SSH public key can be added by entering its code or uploading a file.
Enter an SSH public key code and click the Add button.
Enter SSH public key code
<pre>ssh-rsa PbGlpTufRQ8xWC4P6m3eUlf49X7aBpdq0QcYqzypMmhU1LjTMH+J/loYUn+k5TZia7He9ip5VTsQSpiDt /5/z+z8Nd9e2266NqMKiAEtf7fUaJopQerNVIilZvB8uBSoBFG4YW7j18Uc6oGEv4i9GkND/hdYbyW3+AgXPNB7N8 trNTnmBS8j/GGff/qqXyYbGY2K0XsqEFPzMwLGkY8qWZDK8DMy+7BFuR4yC/TNibB725V1eGiw2VQ6EQAykU2ECNe MaeEL0tdTVxeUqn6wTwIPz70pFrjd4SLd0FNJSaB/ExmnLTDKkwrHJfFHccPvjbrat/W7ikkoDqF/a8ACz5Hl5uk0 W02YlsUfJ/aB7dwhUkFb0LoK71EvZLGh0XHiQU7UX3hz18P6</pre>
Add
Upload an SSH public key to register.
SSH public key file: 選択 ファイルが選択されていません。
Upload

Copy and paste the contents of the public key with text and click "Add" button, or upload the file from "SSH public key file" and click "Upload".

#### warning

- The file you need to paste or upload is an SSH public key. Never specify an SSH private key.
- The SSH public key registered by this function is additionally registered in the TSUBAME public key list. Already registered public key is not invalidated.
- In order to delete a registered public key, please login to TSUBAME, then edit .ssh/authorized\_keys under the home directory, and delete it.

#### 5.3. How to set TSUBAME password

You can set the password used for CIFS access from Tokyo Tech network to the high-speed storage area.

If you access to TSUBAME only with SSH, rsync, etc., it is not necessary to set a password.

Login to the TSUBAME portal and choose "Password setting" from the side menu, the "Password setting" page will be displayed. If you enter a new password here and click "Register", the password will be set.

Setting of TS	SUBAME Password
New password	
Enter again the new pas sword	
Register	

The password conditions are as follows.

- String length : 8 to 63 letters
- It must contain at least 3 types of alphabet capital letters, alphabet lowercase letters, numbers and symbols.
- The following character strings can be used for the password.
- Uppercase Latin alphabet:  ${\tt A}$  to  ${\tt Z}$
- $\bullet$  Lowercase Latin alphabet: a to z
- Numbers: 0 to 9
- Symbolic letters: #.\$\*\_-=
- Do not include any three consecutive letters included in the numeric part of login name, surname, name, HPCI account name, HPCI-ID.
- It should not be an easy-to-guess character string such as English words.
- · Do not use the same letters consecutively three times or more.
- · Do not use the same character more than half the password length.

You can also change the password in the same way.

# 6. Management of TSUBAME group

## Read of operation

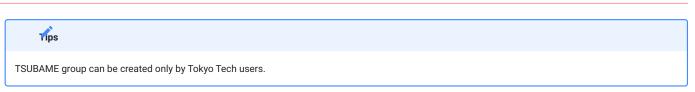
TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

You can create a group in TSUBAME and manage members and resources. Users must be associated with a group to use paid services.

To perform basic operations, choose "Manage your group" from the side menu to show the "Groups list" page.

Groups list			
Group creation year	FY 2017 C FY 2019		
Group name			
Group status	□ In use □ Suspend the use □ Stop the use		
Privilege	General user Group manager (Main) Gro	oup manager (Sub)	
Search			
Group creation			
Group name	Comment	Privilege	Use status

# 6.1. Create a group



Click "Group creation" to show the "New TSUBAME group addition" page.

New TSUBAME group addition				
Group manager (Main)	toukoudai			
Group classification	東工大に在籍する教職員、学生等のみのグループ			
Group name	tga-			
Comment				
Add				
About group name ru	le			
<ul> <li>An alphabet indicating the</li> </ul>	least 1 character long, including prefix of the first group division and 32 characters or less. The group division is automatically added to the beginning of the group. Types can be used for the group name.			
	Uppercase alphabet: a to z			
Lowercase alphabet: Numbers: 0 to 9	a to z			
Symbolic charactor:				
<ul> <li>Double-byte characters,</li> </ul>	blanks can not be used.			

Enter the necessary information and click the "Add" to create the group.

Items to enter when creating a group are as follows.

Item	Description
Group manager(main)	The account name of the administrator (main) when creating the group is displayed. When creating a group, the creator is set as the group administrator.
Group division	Select the classification of the group to be created from the pulldown.
Group name	Enter the group name. The group name prefix is set automatically by the selected group classification.
Comment	Optionally provide comments about the group to be created.

The group name length is limited to 32 characters, including the prefix depending on the selected group division. The following character types are allowed for the group name. (Multi-byte characters and blanks can not be used.)

Uppercase alphabet: A to Z

- $\bullet$  Lowercase alphabet:  $\mbox{ a to }\mbox{ z }$
- Numbers: 0 to 9
- Symbolic character: \_-

# 6.2. TSUBAME main use field setting

#### Arning

You cannot use the "Point purchase" feature without setting the main use field.

The main use field can be selected on the "TSUBAME group details" page.

TSUBAME group (tga-group001) details				
Group basic information				
Group name	tga-group001			
Comment		Edit		
Group manager	toukoudai	Manager change		
Group contact		Change		
Group classification	東工大に在籍する教職員、学生等のみのグループ			
Group status (?)	In use	Suspend the use Stop the use		
Main use field (?)	Current setting : Other	Setting		
Usage report (?)	Report count : 0	Usage report		
TSUBAME point Utilizatio	n status confirmation If the "purchase point" button is inactive, please set the above "Use fie	ld".		
Holding points	720,000	Point purchase		
Payment code	enable PayCode 428:予算00001 (2019)	Payment code setting		

After selecting the appropriate field from the combo box displayed as "Please set the field of use" in the "Main use field" item on the "TSUBAME group details", and click "Setting" to set the Main use field.

# 6.3. Managing group members

Tips
Only group managers (including sub-managers) can manage group members.

Group members are managed on the "TSUBAME group details" page. This page is displayed by selecting "Manage your group" from the menu bar on the left and clicking the "Detailed display" link for the target group on the "Group list" page.

#### 6.3.1. Invite group members

Group members can be invited from the "Members information" menu on the "TSUBAME group details" page.

Members information			
	Login name	Name (in Japanese)	Class for use
	toukoudai	東工大太郎	Group manager (Main)
Group manager (Sub) appointment Group manager (Sub) removal User addition User deletion			

When you click "User addition" at the bottom of the "TSUBAME group detailed" page, the "TSUBAME group invitation of users" page will be displayed.

TSUBAME group Invitation of users			
Display group invitation status			
Register a user			
Login name	Exact match search		
	Search		
選択 ファイルが選択されていません。			
tkjirou			
	Search		
Search result			
Login name	Group status		
tkjirou			
Invite the selected user			

Add the account of the member you want to add to the group and click "Search".

The items listed in "TSUBAME group invitation of users" are as follows.

Item	Description	
Login name	Enter the login name of the user you want to invite and search for by exact match.	
Browse	Specify a file in which account names are separated by line feeds then click "Search".	
Search	Search for the user corresponding to the specified login name and display the results in the search result column.	
Search result	Display a list of users found by the search. A checkbox will appear in the leftmost column, so check the boxes for the users you wish to invite.	
Invite checked users	Invite users who have the checkbox ON in the search result to the group.	

Click the checkboxes of users you want to invite from the search results at the bottom of the page. By clicking "Invite the selected user", an invitation email will be sent to the selected user. When users accept the invitation, they are added to the list of group members.

#### 6.3.2. Join the group

Users who are invited to join the group will receive an invitation email, as shown below.

```
このメールは送信専用メールアドレスから配信されています。
問い合わせは https://www.t3.gsic.titech.ac.jp/contact-t3 にお送りください。
東工大次郎 様
東工大太郎様より、TSUBAMEグループ tga-group001 への参加を招待されております。
次のステップに従って、グループに参加するかどうかをお選びください。
1. TSUBAMEポータルにログインする
2. 下記のURLをクリックして、表示される画面に従って設定する
$InviteUrl
ト記URLの有効期限は1週間です。
有効期限が切れた場合や、誤って不参加を選択した場合には、グループの管理者に連絡して再招待を依頼してください。
This mail is sent from send-only address.
For inquiry, please visit https://www.t3.gsic.titech.ac.jp/en/contact-t3 .
To 東工大次郎
You have been invided to join the TSUBAME group tga-group001 from 東工大太郎 .
Please follow the steps to choose whether or not to join the group.
1. Log in to the TSUBAME portal
2. Click the following link and follow the instruction
$InviteUrl
This URL is valid for one week.
If the link is expired, or you declined by mistake, ask the group manager to resend the invitation.
TSUBAME計算サービス / TSUBAME Computing Services
https://www.t3.gsic.titech.ac.jp
https://portal.t3.gsic.titech.ac.jp
```

When you click on the URL in the invitation email, the "Grup invitation approval page" will be displayed. Agree to the contents of the two checkboxes on the approval page, check the boxes and click the "Participate".

Group invitation approval page
The login name [東工大次郎] has received an invitation notice from the group [tga-group001]. To participate in the group, click the following Participate button to participate in the group. To not participate in the group or if you want nothing to do with it, click the Not participate button.
If you have any questions, contact the GSIC representative.
<ul> <li>There is no change in the user information including nationality.</li> <li>The following manager is allowed to disclose personal information including nationality Manager of the group (both Sub and Main) where yo u will participate</li> </ul>
Participate Not participate

#### 6.3.3. Remove a member from a group

Log in to the TSUBAME portal and select "Manage your group" from the side menu to show the "Groups list" page. Click on the "Detailed display" link of the group whose group members you want to delete, and go to the "TSUBAME group details" page. The current group members are displayed in a list at the bottom of the page. Click the checkboxes of the users you want to delete and click "User deletion".

Members information			
	Login name	Name (in Japanese)	Class for use
	toukoudai	東工大太郎	Group manager (Main)
	tkjirou	東工大次郎	General user
Group manager (Sub) appointment Group manager (Sub) removal User addition User deletion			

A confirmation dialog box will be displayed. Click "OK" to delete the user from the group. An email will be sent to the deleted user.



#### 6.3.4. Appointment of Group manager (Sub)

A Group manager (Sub) can be appointed from the Members information menu on the "TSUBAME group details" page to delegate part of authority and responsibility for the group.

#### Tips

The contents that the Group manager (Sub) can manage on behalf of the Group manager (Main) are as follows. - Purchase points - Purchase a group disk - Manage group members

After selecting the group member you want to promote to the Group manager (Sub), click the "Group Manager (Sub) appointment". The specified group member will be promoted to the Group manager (Sub).

Members information			
	Login name	Name (in Japanese)	Class for use
	toukoudai	東工大太郎	Group manager (Main)
	tkjirou	東工大次郎	General user
Group manager (Sub) appointment Group manager (Sub) removal User addition User deletion			

The following email will be sent to the member designated as the Group manager (Sub).



#### 6.3.5. Application for change of Group manager (Main)

Tips		
Only the Group manager (Main) can apply to change the Group manager (Main) details.		

When changing the Group manager (Main) to another user, the new Group manager (Main) must agree to the transfer. Approval by GSIC is also required.

On the "TSUBAME roup Details" page, check that the current Group manager (Main) is yourself.

Group basic information				
Group name	tga-group001			
Comment		Edit		
Group manager	toukoudai	Manager change		
Group contact		Change		
Group classification	東工大に在籍する教職員、学生等のみのグループ			
Group status (?)	In use	Suspend the use Stop the use		
Main use field (?)	Current setting : Other     Please set up fields of use	Setting		
Usage report (?)	Report count : 0	Usage report		

Click the "Manager change" on the right-hand side, and you will be taken to the "TSUBAME group manager (Main) change" page.

[tga-group001] TSUBAME group manager (Main) change				
The group manager (Main) of the TSUBAME group tga-group001 will be changed. To change the group manager (Main), approval is required from the user who is asked to be the new group manager and the Global Scientific Info rmation and Computing Center. For details, see the "User Guide".				
Specify the login name of the new group manager (Main) using the following form. Login name tkjirou				
Change				

Select the login name of the new Group manager (Main) and click the "Change" to proceed to the confirmation page.

#### [tga-group001] TSUBAME group manager (Main) change

The group manager (Main) toukoudai set for the TSUBAME group will be changed. Check the TSUBAME3 Users Portal, the notes on the Users Guide, and the following notes before clicking the Change group manager (Main) button. An email will be sent to the new group manage r (Main).

- You will not be able to purchase the new payment resource to the group from the payment code whose current group is TSUBAME group. You cannot perform operations that require new charges until you set the payment code.

Computational resources such as TSUBAME points that are associated with the TSUBAME group will remain after changi
ng the group manager (main). Please check this takeover will not cause any problem from the budget management point o
f view.

- Even after changing the group manager (main), the purchases of computing resources before this change will still be bille d to the payment code that is set by the previous group manager (main). The purchases after this change will be charged t o new payment code associated by the new group manager (main).

- Even after changing of the group manager (main), the previous group manager (main) can display the details of budget c onsumption performed before this change. New group manager (main) can view the details of budget consumption for all t erms including the ones that are completed before this change.

- Submitted jobs, purchase volume of the group disks, and the reservation of the nodes will remain even after the change of the group manager (main).

- Any purchases of computing resources that happened before this change cannot be reverted.

I have confirmed and agreed to the details above.

Please provide requests, if any, to the scientific information center, such as specifying of when to change the group manager (Main).

Please indicate notes, if any, to be informed to a new manager.

Group manager (Main) change

After reading the cautionary notes, click the checkbox that confirms your agreement, followed by "Group manager (Main) change." If there is something you need to tell GSIC or the new Group manager (Main), do so in the relevant text box. Click "Group manager (Main) change" and the following approval request email will be sent to the new Group manager (Main) candidate.

東工大次郎 様
グループ ±ga-group001 のグループ管理者(メイン)変更の承認を下記の URL より行ってください。
https://portal.t3.gsic.titech.ac.jp/ptl/changemanager/************************************
To 東工大次郎 様
Please approve the change of the group manager (Main) of the group tga-group001 from the URL below
https://portal.t3.gsic.titech.ac.jp/ptl/changemanager/************************************
TSUBAME 計算サービス / TSUBAME Computing Services
https://www.t3.gsic.titech.ac.jp/

https://portal.t3.gsic.titech.ac.jp/

The user designated as the new Group manager (Main) can click the URL in the email to open the "TSUBAME group manager (Main) change" page.

#### [tga-group001] TSUBAME group manager (Main) change

The group manager (Main) toukoudai set for the TSUBAME group will be changed. Check the TSUBAME3 Users Portal, the notes on the Users Guide, and the following notes before clicking the Change group manager (Main) button. An email will be sent to the new group manage r (Main).

- You will not be able to purchase the new payment resource to the group from the payment code whose current group is TSUBAME group. You cannot perform operations that require new charges until you set the payment code.

Computational resources such as TSUBAME points that are associated with the TSUBAME group will remain after changi
ng the group manager (main). Please check this takeover will not cause any problem from the budget management point o
f view.

- Even after changing the group manager (main), the purchases of computing resources before this change will still be bille d to the payment code that is set by the previous group manager (main). The purchases after this change will be charged t o new payment code associated by the new group manager (main).

- Even after changing of the group manager (main), the previous group manager (main) can display the details of budget c	
onsumption performed before this change. New group manager (main) can view the details of budget consumption for all t	
erms including the ones that are completed before this change.	

- Submitted jobs, purchase volume of the group disks, and the reservation of the nodes will remain even after the change of the group manager (main).

- Any purchases of computing resources that happened before this change cannot be reverted.

□ I have confirmed and agreed to the details above.

Please provide requests, if any, to the scientific information center, such as specifying of when to change the group manager (Main).

Group manager (Main) change

Reject

After reading the cautionary notes, click the checkbox that confirms your agreement, followed by "Group manager (Main) change" to complete the application. After approval by GSIC, authority will be transferred from the current Group manager (Main) to the new Group manager (Main).

#### Tips

In the following cases, authority is transferred immediately after approval by the new group manager:

• the Tokyo Tech IC card type of the new Group manager (Main) is staff (full time or part time).

• the Tokyo Tech IC card type of the new Group manager (Main) is other than the above and following conditions are met

• The new group manager has an active payment code for the current fiscal year and is the budget manager of that payment code

• The target group has not purchased any points during the current fiscal year.

# 7. Management of payment codes

#### Repeation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

#### Tips

This function is provided only for Tokyo Tech users.

A payment code is required to purchase TSUBAME points required for using paid services.

#### 

Payment codes are only required for the Group manager (Main). Payment codes applied by anyone other than the Group manager (Main) cannot be used. Students cannot manage payment codes other than the budgets for which they are responsible.

# 7.1. Payment code availability period

There is a billing deadline that depends on the budget category. We restrict new purchases of TSUBAME points close to the deadline to ensure the billing process (e.g., totaling) is completed in time.

If your budget category is other than Institutional Operating Expense Funds(法人運営費) or Donations for Education and Research(奨学寄附金), the payment code can only be used within a new billable period that satisfies the following criteria:

- Is within a research period
- · Is before the date described below:
- If the last billable date is set and is the last day of the month, the last day of the previous month prior to the last billable date.
- If the last billable date is set and is not the last day of the month, the last day of the month two months before the last billable date.
- · If the last billable date is not set, the same date above calculated using the end of the research period instead.
- · Is before December 31st of every fiscal year

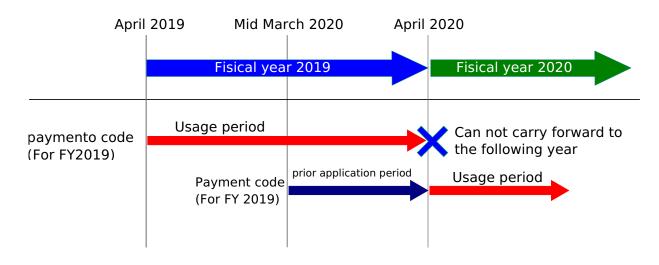
#### Warning

Regarding Institutional Operating Expense Funds and Donations for Education and Research, purchases of TSUBAME Points from January to March will be paid from the same budget for the following year.

#### 7.2. Payment code expiration date

All payment codes will become invalid at the end of the fiscal year.

From mid-March, we will begin accepting applications for payment codes for the following fiscal year. Payment codes applied for in advance will be held until the start date of the next fiscal year, following approval by GSIC and the budget supervisor (required if the budget manager is different). The code will become available from the start date of the new fiscal year and can then be assigned to groups, used to purchase points, etc.

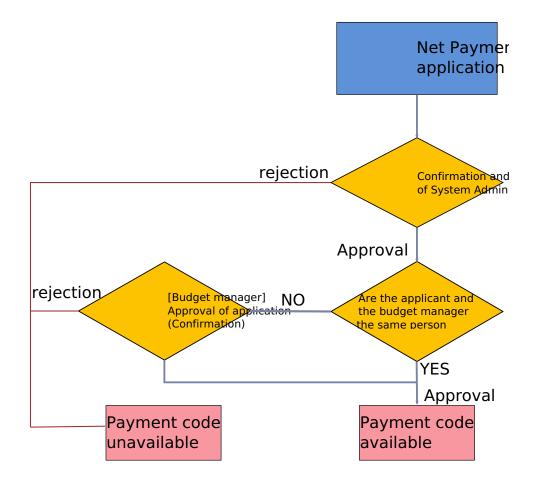


When applications for payment codes for the next fiscal year become available, a checkbox for the next fiscal year will appear at the year of use on the "New payment code application" screen. If you want to apply for a payment code for the following fiscal year in advance, click the checkbox.

# 7.3. New payment code application

Grants-in-Aid for Scientific Research(科研費) has four different budget codes for each category, and TSUBAME's computer usage fee is classified as "Others(その他)". (Correnponding to "Facility and equipment usage fee in the research organization(研究機関内の施設・設備使用料)" in the Table of expense categories shared by ministries and agencies(府省共通経費取扱区分表)) Please note that applications for payment codes for expenses other than "Others(その他)" will be rejected as an incorrect expense category.

The process for payment code application is as follows.



You can use the "Payment code control" screen by choosing "Manage payment code" from the side menu.

[toukoudai]Payment code control								
Payment co	de search							
Payment co tatus	ayment code request s □ 無効 □ 申請中 □ 承認済み □ 却下済み □ 追認中 atus							
Payment co s	de use statu 🗌 l	n use 🗌 Stop th	e use 🗌 Waiting					
Available ye	ar al	U 😳						
New payment code request Search								
Payment co	de list							
Payment c ode Budget code Budget Name Available year Budget manage r Budget managet r Budget managet r Budget managet r Budget r Budget managet r Budget r Budget managet r Budget r Budget managet r Budget managet r Budget managet r Budget managet r Budget								
428	Y00001	予算00001	2019	toukoudai	承認済み In use 2019/06/20			Details display

Click the "New payment code request" to show the "Request for payment code" screen.

- 26/68 -

Request number	
Pament code	
Request date and time	
Request status	申請中
Approval/Reject date an d time	
Requester information	アカウント名:toukoudai UID:2226 利用者区分:学内利用者
Budget classification	法人運営費
Budget code	取得済 〇 取得中
Budget name	
Budget department	(理学院)
Comment	
Research period	Start date2019/06/27 End date2020/03/31
Last date of available bil ing processing	◎ 設定しない ○ 設定する
Year of use	• FY 2019
Use group	
Use group	
Person resp	onsible for budget o 申請者 ○他の利用者
- Account name	toukoudai
Other conta	
Name	
Occupation	
Extension	
Email address	
Comment from the syst em administrator	
	Request Stop the use

Γ

#### The following items are to be completed:

Item	Description
Budget classification	Please select the category of the budget to be applied for.(reference:学内予算の種類について Limited to Tokyo Tech)
Budget code Budget name	Please follow the steps below to obtain the budget code and budget name for your payment code application ・ Log in to "新物品等請求システム" ・ Select "予算管理" ・ Select "予算執行状況確認" ・ Select "CSV作成" ・ Transcribe "予算コード"(Budget Code) (32 digits) and "予算名称"(Budget Name) in the output CSV file. Please use the above method to obtain the budget code because the number of digits in the budget code is large and the beginning and end of the code may be cut off when copying and pasting the display on the system.
Comment	Enter any comments you need to manage your payment code.
Research period	Depending on the budget category, you may be required to enter a research period. If the research period start date is earlier than the current fiscal year, enter April 1 of the current fiscal year as the start date. The start date of the research period cannot be earlier than the first day (April 1) of the corresponding fiscal year.
Last date of available billing processing	You can specify the date by when the billing should be complete. This field is used to calculate the Payment code availability period, and the end of the research period is used if this field is left blank.
Person responsible for budget	Please enter the budget manager's TSUBAME login name.
Other contact	This will be used following unsuccessful attempts to contact the payment code manager.

Please be careful not to make mistakes in the part transcribed from the Purchase Request System. Applications that cannot be confirmed as containing correct information will be rejected. Enter the required items and click "Request."

After the application, the person in charge of GSIC will confirm the application contents and decide whether to approve or reject it. After this approval, if the budget manager and the payment code applicant are not the same person, a payment code confirmation request email will be sent to the budget manager. Once approval by the budget manager is complete, the payment code will be available. If the budget manager and the applicant are the same, the payment code can be used following approval by the person in charge of GSIC.

Tips
If it is taking time for your payment code to be authorized, check with your budget manager.

#### 7.3.1. Approval by the budget manager (Confirmation)

If the applicant for a payment code does not match the budget holder, an email will be sent to the budget holder requesting approval of the payment code application after GSIC has processed the applic\ ation.

The requested payment code cannot be used until the payment code application is approved in one of the following ways

- When you use the link in the email
- a. log in to TSUBAME portal, and go to the URL in the email.
- If the login screen of TSUBAME portal is displayed, please log in and then move to the URL on the email again.
- If the URL is displayed as invalid, please check if the URL is not split in the mailer. If you still can't use it, please use the following method to approve directly from TSUBAME portal Check the information on the screen, and select approve or reject.
- · If you want to approve directly from TSUBAME Portal
- a. Login to TSUBAME portal
- b. Click "Budget code usage request for approval" in the "Charging Management" group on the left side menu.
- c. Check the contents on the screen, and select "Approve" or "Reject".

## 7.4. Set payment code to group

You can set the payment code to a group on the "TSUBAME group details" page. You can reach the screen by selecting "Manage your group" in the menu bar on the left, followed by "Detailed display" for the target group on the "Groups list page."

TSUBAME point Utilization status confirmation If the "purchase point" button is inactive, please set the above "Use field".					
Holding points	0	Point purchase			
Payment code		Payment code setting			

Click "Payment Code Setting" in "TSUBAME group details" to show the "Payment code setting" page, where you can see the list of applicable payment codes.

(tga-group001)Payment code setting					
Group basic ir	nformation				
Group name	tg	tga-group001			
Comment					
Group manag	ger to	ukoudai			
Group classif	ication 東	工大に在籍する教職員、学生	等のみのグループ		
Group status	Group status In use				
Payment code	e informatior	of [2226]			
Paymen code	t Budget o ode	Budget code na me	Status	Assigned grou p	
428	□ 428 Y00001 予算00001 In use tga-group001				
Assign to payment code Cancel assigned payment code					

Click the checkbox of the payment code to be used by the group followed by "Assign to payment code."

If you want to cancel the assignment, select the payment code you wish to cancel and click "Cancel assigned payment code."

Payment codes applied for the next fiscal year update can be assigned to groups from April 1 of the new fiscal year.

# 8. Management of TSUBAME points

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

#### Tips

This function is provided only for groups with payment codes. If the group does not have a payment code, set the payment code to the group in advance.

TSUBAME points are used as compensation when using paid services such as computation and group disks. Points can be purchased from a prespecified payment code or assigned by the department in charge.

Operations related to TSUBAME points are performed on the "TSUBAME group details" page. This page is displayed by selecting "Manage your group" in the menu bar on the left, and selecting the "Detailed Display" link for the target group on the Group list page.

Groups list					
Group creation year	FY 2017 C FY 2019				
Group name					
Group status	□ In use □ Suspend the use □ Stop the use				
Privilege	□ General user □ Group manager (Main) □ Group manager (Sub)				
Search					
Group creation					
Group name	Comment	Privilege	Use status		
tga-group001		Group manager (Main)	Details display		

Select "Details display" link for the group you want to manage points for, and "TSUBAME group details" will be displayed. Operations related to points can be performed from the TSUBAME point menu on this page.

TSUBAME point Utilization	status confirmation If the "purchase point" button is inactive, please set the above "Use fie	eld".
Holding points	0	Point purchase
Payment code	enable PayCode 428:予算00001 (2019)	Payment code setting

# 8.1. Points available for purchase and validity period

In general, no new points can be purchased from January 1 to March 31 due to the terms of the payment code availability period. However, new points can be purchased from Institutional Operating Expense Funds (法人運営費) and Donations for Education and Research (奨学寄附金) even in that period. In this case, please note that the expenses are deducted from the same budget for the next fiscal year.

TSUBAME points are valid only within the fiscal year of purchase. Remaining points will be invalidated the following year. (cf. 東京工業大学学術国際 情報センタークラウド型ビッグデータグリーンスーパーコンピュータ利用料の課金等に関する取扱い 第6条)

# 8.2. Point purchase

Tips	
Points can be purchased only by the group manager (main/sub).	
Click the "Point purchase" on the "TSUBAME group details" page to move to the "Purchase of TSUBAME point chase" page.	

TSUBAME point	Utilization status confirmation	
Holding points		0
Payment code	428:予算00001	Payment code setting
Purchase TSUBAN Payment code 428	1E point B C Additional quantity 1 Ct 720,000Point (5,000y	/en) Purchase

On the "Purchase TSUBAME point" page, specify the payment code and additional quantity and click the "Purchase".

Do you want to purchase points to tga-group001? 720,000Point(5,000yen)
キャンセル OK

## 8.3. Check point purchase history

Click "Purchase" on the "TSUBAME group details" page to move to the "Purchase TSUBAME point" page. You can display the purchase history for the specified period (fiscal year) in "Display year."

Purchase numberDate of additionPayment codePurchase lotsT3 pointRemarks2432019/07/014281720,000[ポイント購入][UID:2226]が[支払コード:428]を利用L ループ:tga-group001(2090)]に、[ポイント数:72000 しました。	Purchase TSUBAM Payment code 428 TSUBAME point pu Display year - Peric	Additional qu		Lot 720,000Poi	int (5,000y	/en) Purchase
ループ:tga-group001(2090)]に、[ポイント数:72000	Purchase number	Date of addition	Payment code	Purchase lots	T3 point	Remarks
	243	2019/07/01	428	1	720,000	ループ:tga-group001(2090)]に、[ポイント数:72000

The purchase history is displayed below the TSUBAME point purchase history section.

# 8.4. Check point usage

Click "Utilization status confirmation" on the "TSUBAME group details" page to show the "Utilization status confirmation" page.

TSUBAME point Utilization	status confirmation If the "purchase point" button is inactive, please set the above "Use fie	ld".
Holding points	720,000	Point purchase
Payment code	enable PayCode 428:予算00001 (2019)	Payment code setting

TSUBAME point	use histor	у																
Display year FY 2	019	~ FY 2019	0	Search														
2019Year																		
Option									Year of 2,0	9 (Unit	: T3 point)							Accumulate
option	April	May		June	July	A	ugust	September	October	No	vember	December	January	February	March	TempPoint	Year total	d total
Job		0	0	4,163		0	0	0		0	0	0	0	0	0	0	4,163	4,163
Node Reservation		0	0	0		0	0	0		0	0	0	0	0	0	0	0	0
Application		0	0	0		0	0	0		0	0	0	0	0	0	0	0	0
GroupDisk		0	0	0		0	0	0		0	0	0	0	0	0	0	0	0
Total		0	0	4,163		0	0	0		0	0	0	0	0	0	0	4,163	4,163
Use status by TS	UBAME g	roup mem	ber	Update														
Account name	Status								Year o	f 2,019	(Unit: T3 p	oint)						Accumulate
Account hame	Status	April	N	May .	June	July	Aug	ust Septe	mber O	tober	Novemb	er Decemb	er January	February	March	TempPoint	Year total	d total
toukoudai		0		0	4,163		0	0	0	0		0	0	0	0 0	0 0	4,163	4,163

On the "Utilization status confirmation" page, you can refer to the total points used in each month.

On the "TSUBAME group details" page, click "Usage details confirmation" in the "Use options" section to move to the "Usage details confirmation" screen.

Use options Usage details confirm	ation	
Option	Available	
Reserve Node		Configuration Cancel
Group disk		Setting
VPN service		

On the "Usage details confirmation" screen, you can check the point purchase history for each month by payment code.

tga-group001User's de	tails display		
Display period			
• Display year and month The		The year 2018 🟮 June	0
O Display year	018 🗘	Display	CSV output
All			
Group name	tga-group001		
Payment code	414:予算00001		
Group manager (Main)	toukoudai		
Year and month	Billing details	Number of pieces	Amount of money
2018/4	Purchase of T3 points	0 items	0 yen
2018/5	Purchase of T3 points	720,000 items	5,000 yen
2018/6	Purchase of T3 points	0 items	0 yen
Payment code 414:予算000	01		
Group name	tga-group001		
Payment code	414:予算00001		
Group manager (Main)	toukoudai		
Year and month	Billing details	Number of pieces	Amount of money
2018/4	Purchase of T3 points	0 items	0 yen
2018/5	Purchase of T3 points	720,000 items	5,000 yen
2018/6	Purchase of T3 points	0 items	0 yen

# 9. Reserving compute nodes

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

# 9.1. Node reservation method

Select "Manage your group" from the side menu, followed by "Detailed Display" of the point group to be used, and "configuration" button of the "node reservation option to use" section to open the "Node reservation setting" page.

Use the "Node Reservation" section at the bottom of this "Node Reservation" page to reserve compute nodes.

Nod	e reserva	tion	
* Not Pleas * Use Maxii	e: Cancellati e check in a rs who can mum usage	on will be refunded acc advance, thank you for r use reserved nodes will time (hours) : 8,760	
	Period	START	2019/08/25 🛄 13 😋 O'clock
۰		END	2019/08/26 🛄 13 🗘 O'clock
•	HOUR	1	
•	Date	1	
	Resour ces	1	Node
	Comm ent		
	Confirm Reser	vation	

#### Node reservation setting

Item	Description
period Start	Specify the start date and time of the reservation.
period end	Specify the end date and time of the reservation.
Time(hour)	You can specify the duration by hour.
Day	You can specify the duration by the number of days.
Resources	Specify the number of nodes to reserve.
Comment	Optional comment field to leave description.
Confirm Reservation	Check the system whether the requested reservation is available.

By clicking "Confirm Reservation," the following confirmation dialog will be displayed. Check the reservation period and point consumption displayed in the dialog and click "Accept the above, reserve" to complete the reservation.

After the reservation is completed, it may take a few minutes before the reservation data appearing in the list.

		×
	Node reservation confirmation	
Reservation	period 2019/08/25 13:00:00-2019/08/26 13:00:00	
	eserved nodes 1Node	
Line item		
-	ayment points 108,000Point	
Comment		
	Accept the above, reserve Cancel	
		×
		×
	Node reservation completed	×
	period 2019/08/25 13:00:00-2019/08/26 13:00:00	×
	-	×
Number of re	period 2019/08/25 13:00:00-2019/08/26 13:00:00	×
Number of re	period 2019/08/25 13:00:00-2019/08/26 13:00:00 eserved nodes 1Node	×
Number of re	period 2019/08/25 13:00:00-2019/08/26 13:00:00	×
Number of re	period 2019/08/25 13:00:00-2019/08/26 13:00:00 eserved nodes 1Node	×
Number of re	period 2019/08/25 13:00:00-2019/08/26 13:00:00 eserved nodes 1Node	×
Number of re	period         2019/08/25 13:00:00-2019/08/26 13:00:00           eserved nodes         1Node           ayment points         108,000Point	×
Number of re	period         2019/08/25 13:00:00-2019/08/26 13:00:00           eserved nodes         1Node           ayment points         108,000Point	×
Number of re	period         2019/08/25 13:00:00-2019/08/26 13:00:00           eserved nodes         1Node           ayment points         108,000Point	×
Line item	period         2019/08/25 13:00:00-2019/08/26 13:00:00           eserved nodes         1Node           ayment points         108,000Point	×

To search the existing reservation, you can display the reservation information by specifying the search condition from the "Reservation node search condition" in the same screen and clicking "Search."

END     YYYY/MM/DD hh:mm:ss     Range     YYYY/MM/DD hh:mm:ss       STATE     r,w,W,E,d	AR_ID			Range			
GPU         Image         Range           Time(h)         Image         Image           reservation         2017/04/01 00:00:00         Image         Image           START         YYYY/MM/DD hh:mm:ss         Image         YYYY/MM/DD hh:mm:ss           END         YYYY/MM/DD hh:mm:ss         Image         YYYY/MM/DD hh:mm:ss           START         YYYY/MM/DD hh:mm:ss         Image         YYYY/MM/DD hh:mm:ss           STATE         r,w,W,E,d         Image         YYYY/MM/DD hh:mm:ss	Node			Range			
Time(h)         Range           reservation         2017/04/01 00:00:00         Range         2018/03/31 23:59:59           START         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss           END         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss           START         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss           START         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss	CPU			Range			
reservation         2017/04/01 00:00:00         Range         2018/03/31 23:59:59           START         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss           END         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss           STARE         r,w,W,E,d         YYYY/MM/DD hh:mm:ss         YYYY/MM/DD hh:mm:ss	GPU			Range			
START       YYYY/MM/DD hh:mm:ss       Range       YYYY/MM/DD hh:mm:ss         END       YYYY/MM/DD hh:mm:ss       Range       YYYY/MM/DD hh:mm:ss         STATE       r,w,W,E,d       France       France	Time(h)	n)		Range			
END       YYYY/MM/DD hh:mm:ss       Range       YYYY/MM/DD hh:mm:ss         STATE       r,w,W,E,d	reservation	vation 2017/04/01 00:00:00		Range	2018/03/31 23:59:59		
STATE r,w,W,E,d	START	YYYY/MM/DD hh:mm:ss		Range	YYYY/MM/DD hh:mm:ss		
	END	YYYY/MM/DD hh:mm:ss		Range	YYYY/MM/DD hh:mm:ss		
	STATE r,w,W,E,d						
In operation / w:Waiting / E:Stopped / W:In preparation / d:Deleting							
Search							

Item	Description
AR ID	The ID number of the reservation.
Node	The number of reserved nodes.
CPU	The number of CPU cores of the reserved node.
GPU	The number of GPUs of reserved nodes.
Time(h)	The duration of the reservation in hour.
reservation	The date and time when the reservation was made.
START	Start date and time of the reservation.
END	End date and time of the reservation.
STATE	The status of the reserved node.

#### 9.2. Cancel reservation

Select "Manage your group" from the side menu, followed by "Detailed Display" of the point group to be used, and "Cancel" button of the "node reservation option to use" to open the "Reserved node Cancel" page.

By using "Reserved node search" in this "Reserved node cancel" page, you can see the list of reservation that can be canceled at that time. Select the checkbox of the reservation to cancel, and click "Cancel reservation" to cancel the reservation.

# 

The reservation can be canceled even after the reservation slot starts. Please release the slot for other users if you no longer need the slot because of the early completion of your experiments.

## 

TSUBAME points will be returned depending of when the reservation is canceled.

Timing	Return Rate
Within 5min after reservation is made	100%
More than 24h before the reservation slot starts	80%
Before the reservation slot starts	50%
After the reservation slot starts	50%(Only for remaining time)

Image: Single state	Select	AR ID	Node	CPU(core)	GPU	Time(h)		STATE	Reservatio	n date	Start u	sing	End of	use	POIN
3117         1         28         4         24         w         Waiting         2018/09/09         11:55:10         2018/09/11         12:00:00         2018/09/12         12:00:00         108		3112	1	28	4	24	w	Waiting	2018/09/09	12:03:10	2018/09/13	12:00:00	2018/09/14	12:00:00	108,00
		3117	1	28	4	24	w	Waiting	2018/09/09	11:55:10	2018/09/11	12:00:00	2018/09/12	12:00:00	108,00

cancel reservation

#### Cancel operation

Item	Description
Search	Search for a reserved node that can be canceled.
Choice	Select the reservation node to cancel.
AR ID	Indicates the ID number of the reserved node.
Node	Indicates the number of reserved nodes.
CPU	Shows the number of CPU cores in the reserved node.
GPU	Indicates the number of GPUs of reserved nodes.
Time(h)	Indicates the utilization time of the reserved node.
STATE	Indicates the reserved node status. r: Running / w: Waiting / E: Stopping / W: Preparing / d: Deleting
Reservation date	Specify the date and time when the node reservation was made.
Start using	Indicates the start date and time of the reserved node.
End of use	Indicates the end date and time of the reserved node.
POINT	Indicates the point of the reserved node.
Cancel reservation	Cancel the reservation node whose check box is checked.

# 9.3. Check reservations

Select "Reserved node list" from the side menu to open the "Reserved node list" page.

In this screen, the reservation information of the group selected in "Group selection" in the upper right of the page will be displayed.

Cumulative								
N	Node	Reservation time (h)	Point of use	(Temporary Point)				
Occupied resources	0	0	0	(0)				

Cumulative display

Item	Description
Node	Indicates the total number of nodes of the current reserved node.
Reservation time(h)	Indicates the current total reservation time.
Point of use	Displays the currently active node and the total number of points on reserved nodes 24 hours before the start.
(provisional point)	If there is a cancelable node in the reserved node, it indicates the temporary point total of the reservation node.

In the following GUI, specify conditions for searching for reserved nodes.

Reserved node search conditions										
Yea	Year FY 2019 O									
Rar	Range User O Group									
	AR_ID			Range						
	Node			Range						
	CPU     Range									
	GPU     GPU     Range									
	Time(h) Range									
	reservation         2019/04/01 00:00:00         Range         2020/03/31 23:59:59									
	START         YYYY/MM/DD hh:mm:ss         Range         YYYY/MM/DD hh:mm:ss									
	END     YYYY/MM/DD hh:mm:ss     Range     YYYY/MM/DD hh:mm:ss									
	STATE r,w,W,E,d									
	r:In operation / w:Waiting / E:Stopped / W:In preparation / d:Deleting									
Se	earch									

#### Reserved node search conditions

Item	Description
Fiscal year	Specify the fiscal year range to be searched.
AR ID	Specify the ID number of the reserved node.
Node	Specify the number of reserved nodes.
CPU	Specify the number of CPU cores of the reserved node.
GPU	Specify the number of GPUs of reserved nodes.
Time(h)	Specify the set time for using reserved nodes.
reservation	Specify the date and time when the node reservation was made.
START	The reserved node specifies the start date and time.
END	The reserved node specifies the end date and time.
STATE	Specify the status of the reserved node.
Search Button	We search based on specified condition contents.

AR ID	Node	User	Comment	CPU(core)	GPU	Time(h)		STATE	Reservation date	Start using	End
3113	20	toukoudai		560	80	6	r	Finish	2019/08/20 13:34:10	2019/08/22 12:00:00	2019/04/:
3115	20	toukoudai		560	80	6	r	Waiting	2019/08/12 15:31:38	2019/08/24 13:00:00	2019/08/:
3116	20	toukoudai		560	80	6	r	Waiting	2019/08/22 13:51:08	2019/08/26 10:00:00	2019/08/:

#### About reserved node list color

Item	Description
Light yellow	It indicates the state within 5 minutes after reservation. In this state, cancellation is possible, all points at the time of reservat\
ion are returned.	
Light green	Indicates a reserved node that has exceeded 5 minutes after reservation and has not reached 24 hours before the start. In this state, \
cancellation is possible, half points at the time of reservation will be returned.	
Light blue	Indicates the reserved node in the state within 24 hours before the start. In this state, it can not be canceled.
Blue	Indicates the reserved node that is currently in operation. In this state, it can not be canceled.

#### Reserved node list display items

Item	Description
AR ID	Indicates the ID number of the reserved node.
Node	Indicates the number of reserved nodes.
CPU	Shows the number of CPU cores in the reserved node.
GPU	Indicates the number of GPUs of reserved nodes.
Time(h)	Indicates the utilization time of the reserved node.
STATE	Indicates the reserved node status. r: Running / w: Waiting / E: Stopping / W: Preparing / d: Deleting
Reservation date	Specify the date and time when the node reservation was made.
Start using	Indicates the start date and time of the reserved node.
End of use	Indicates the end date and time of the reserved node.
POINT	Indicates the point of the reserved node.

To check the availability of node reservation for the current month, use t3-user-info compute ars on the login node. For more detail, please refer to TSUBAME 3.0 User's Guide.

## 9.4. use of reserved nodes

Reserved nodes can be used by submitting a job with its AR ID specified with the *-ar* option of *qsub* before the reservation starts and during the reservation period.

For the details, please refer to TSUBAME3.0 User's Guide for details.

# 

Just reserving a node does not make it possible to SSH into the reserved node. To log in directly to a compute node via SSH, use submit job with f\_node.

# 10. Management of Group Disk

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

The group disk is purchased using the points by the group manager (main/sub), and all group member can access the shared storage freely.

Group disk is managed on the "TSUBAME group details" page. This page is reached by selecting "Manage your group" in the menu bar on the left and selecting the "Detailed Display" link for the target group on the Group List page.

017年度 😮 ~ 2019年度 😒		
〕利用中 🗌 利用一時停止中 🗌 利用停止中		
□一般利用者 □ グループ管理者(メイン) □ グループ	管理者(サプ)	
אעאב	権限	利用状況
	グループ管理者(メイン)	<u>詳細表示</u>
))	利用中 □利用一時停止中 □利用停止中 一般利用者 □グループ管理者(メイン) □グループ	利用中 □利用一時停止中 □利用停止中 一般利用者 □グループ管理者(メイン) □グループ管理者(サプ)

Group disk operations can be performed from the usage option menu on the "TSUBAME Group Details" page.

Use options Usage details confirmation						
Option	Available					
Reserve Node		Configuration Cancel				
Group disk		Setting				
VPN service						

# 10.1. About group disk capacity

The capacity of the group disk is limited by both total file size and the number of files (inodes) under them. For each 1TB unit of file size purchase, 2,000,000 inodes will become available.

# 10.2. About the validity period of the group disk

The group disk status is reset once at the end of the fiscal year, and all group disks are in a grace state that can only be read and deleted.

The grace state lasts until mid-April, and unpurchased group disk space will become inaccessible after the grace period ends. It is necessary to purchase the group disk for the current fiscal year to continue using.

Also, group disk data will be deleted at any time after the grace period.

# 10.3. Adding and releasing group disks



Group disks can be added or deleted from the group disk setting button in the "Use options" section in the group details page.

(tga-group	001)Gr	oup c	lisk ca	pacity	/ settiı	ng							
Group basic information													
Group name	•	tga-	group00	1									
Comment													
Group mana	iger	touk	koudai										
Group class	ification	東工	大に在籍る	する教職員	i、学生等	のみのグル	レープ						
Group statu	S	In u	se										
TSUBAME p	oint												
Holding poir		720,00	0							Pure	hase of po	oints	
Payment co	de	414:予	予算00001 :予算00001 :HPE-PTL-20190718-10										
Group disk c	apacity												
Storage pat	h	Charg	ge/Rese	rved si	ze(TB)	inode Charge/Reserved size			е	Upda	te Usage		
/gs/hs0		0.000	)/0			0/0					Resize		
/gs/hs1		0.000	)/0			0/0					Resize		
/gs/hs2		0.000	)/0			0/0							
Group disk h	-												
Area	2019年 4	5	6	7	8	9	10	11	12	2020 <sup>3</sup> 1	∓ 2	3	
/gs/hs0	0	0	0	0	0	0	0	0	0	0	0	0	
/gs/hs1	0	0	0	0	0	0	0	0	0	0	0	0	
/gs/hs2	0	0	0	0	0	0	0	0	0	0	0	0	
													-

In the "Group disk capacity" section, the current setting and usage of the group disk button are available. Click "Resize" button for the storage whose capacity you want to change, and the capacity change dialog will be displayed.

		×	
Storage path /gs/h	50		
Size Curre	nt0TB/ After change	ТВ	
≋1k=1024byte Details			
Detailo	oints before resizing (from nd of March)	0Point	
Consumed schedule p is month until the end	oints after resizing (from th I of March)	0Point	
Number of points due	to this change	0Point	
The remaining numbe	r of possession points	720000Point	
	Accept the above, char	nge	
			/,

Change the group disk size value in the size field on the dialog. After the change, click "Accept the above, change" button in the capacity change dialog to change the capacity from the current month.

When increasing the capacity, the required points from the specified month to the end of the year are deducted.

When reducing the capacity, points for the reduced capacity from the following month to the end of the fiscal year will be returned to the group.

# In the following cases, the group disk capacity cannot be set.

- Insufficient points to add capacity.
- The current disk usage exceeds the specified capacity after reduction.

# 11. Check usage

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

In the portal, you can check the processing status of jobs submitted in the past.

# 11.1. Check job status

Select "Job List" Link in the side menu to display the "Job List" page

Image: Constraint of the second second second reprint the second sec	0 24 arch cor FY 2 C <sup>e</sup> Ø 共 O U	ar of i nditic 2019 I Jser ()	on 9	Runti 0.0 6533	.59	(sec.) Use point 0 4,163				
Iob seal Year Resources Input AR I JOB JOB JOB JOB STA SUB STA SUB STA SUB STA	0 24 arch cor FY2 Ce Ø # 0 U	nditic :019 :有 II Jser ()	DN D 占有	0.0	.59	0 4,163				
USER lob seal Year Resources Input AR I JOB JOB JOB STA SUB STA SUB STA SUB STA SUB STA SUB STA	24 arch cor FY2 Ce Ø# O U ID	2019 清 🗹 Jser ()	DN D 占有			4,163				
Iob seal Year Resources Input AR I JOB JOB JOB JOB STA SUB STA SUB STA SUB STA	arch cor FY2 Ce ☑共 O U ID	2019 清 🗹 Jser ()	On O 占有							
Year Resources Input AR I JOB JOB JOB STA SUB STA SUB STA SUB STA SUB NAL	E Ce	2019 清 🗹 Jser ()	<b>3</b> 占有			Range specification				
Year Resources Input AR I JOB JOB JOB STA SUB STA SUB STA SUB STA SUB NAL	E Ce	2019 清 🗹 Jser ()	<b>3</b> 占有			Range specification				
s Input AR I JOB JOB STA SUB STA SUB STA SUB STA SUB STA	□ U □ U B ID	Jser (				Range specification				
Input AR I JOB JOB STA STA SUB STA SUB STA SUB STA SUB STA	ID B ID	Jser (				Range specification				
<ul> <li>AR I</li> <li>JOB</li> <li>JOB</li> <li>STA</li> <li>STA</li> <li>STA</li> <li>STA</li> <li>STA</li> <li>STA</li> <li>SUB</li> <li>STA</li> <li>SUB</li> <li>STA</li> <li>SUB</li> <li>SUB</li></ul>	ID 3 ID		) Group			Range specification				
<ul> <li>JOB</li> <li>JOB</li> <li>JOB</li> <li>STA</li> <li>STA</li></ul>	3 ID					Range specification				
<ul> <li>JOB</li> <li>JOB</li> <li>JOB</li> <li>STA</li> <li>STA</li></ul>	3 ID					Range specification				
<ul> <li>JOB</li> <li>STA</li> <li>SUB</li> <li>STA</li> <li>SUB</li> <li>STA</li> <li>SUB</li> <li>WAL</li> <li>PRIC</li> </ul>										
<ul> <li>STATE</li> <li>SUB</li> <li>STATE</li> <li< td=""><td>3_NAME</td><th></th><td></td><td></td><td></td><td>Range specification</td><td></td><td></td></li<></ul>	3_NAME					Range specification				
SUB STA END WAL PRIC			1			1/	1			
SUB STA END WAL PRIC	TUS		Processin	ng		Processing status				
<ul> <li>STA</li> <li>END</li> <li>WAL</li> <li>PRIC</li> </ul>			End			Exit status				
<ul><li>END</li><li>WAL</li><li>PRIC</li></ul>	вміт	2019	0/04/01 00:00:00			Range specification	2020/03/31 23:59:59			
<ul><li>WAL</li><li>PRIC</li></ul>	RT	YYYY	Y/MM/DD hh:mm:	:ss		Range specification	YYYY/MM/DD hh:mm:ss			
PRIC	þ	YYYY	Y/MM/DD hh:mm:	:SS		Range specification	YYYY/MM/DD hh:mm:ss			
	LL(sec)					Range specification				
CPU	ORITY					Range specification				
	J(sec)					Range specification				
MEN	M(GB)					Range specification				
POIN						Range specification				
Search	NT			I			n]			
Jedi Uli	NT	Search								
Select I					Select Resources GROUP NAME AR ID JOB ID TASK ID JOB_NAME STATUS SUBMIT START END W					

Enter search conditions and click "Search" button to display information about jobs that match the search conditions.

Select	Resources	GROUP	NAME	AR ID	JOB ID	TASK ID	JOB_NAME	STA	TUS	SUBMIT
	占有	tgz-training	hpe-training001	4151	4593382	0	QRLOGIN	End	0	2019/04/16 13:
	占有	tgz-training	hpe-training001	4151	4593541	0	QRLOGIN	End	0	2019/04/16 14:
	占有	tgz-training	hpe-training001	4173	4687180	0	QRLOGIN	End	137	2019/05/17 13:
	占有	tgz-training	hpe-training001	4173	4689458	0	QRLOGIN	End	137	2019/05/17 16:
	占有	tgz-training	hpe-training001	4188	4716902	0	QRLOGIN	End	137	2019/05/24 13:
	共有	tgz-training	hpe-training001		4717707	0	go.sh	End		2019/05/24 16:
	占有	tgz-training	hpe-training001	4188	4717735	0	QRLOGIN	End	0	2019/05/24 16:
Deselect										

Resources	GROUP	NAME	AR ID	JOB ID	TASK ID	JOB_NAME	STAT	JS	SUBMIT
占有	tgz-training	hpe-training001	4151	4593382	0	QRLOGIN	End	0	2019/04/16 13:15:28
占有	tgz-training	hpe-training001	4151	4593541	0	QRLOGIN	End	0	2019/04/16 14:09:30

#### Tips

In the TSUBAME portal, you can check whether the submitted job is being processed, completed, or settled. For jobs submitted to the reservation, points are collected at the time of the reservation, and the reservation ID is displayed in the ARID column and points are not displayed.

Check the checkbox at the left of the job search results, and the information on selected jobs is displayed at the bottom. You can compare the job information side by side.

#### Tips

When a job is submitted, the maximum consumption points of that job are deducted in advance, referring to the job options specified by the user. This state is called "Provisional holding of points (Provisional points)." After the completion of the job, points are recalculated based on the actual consumption. If it is smaller than the temporarily held point, the difference is returned and reflected in the system.

# 11.2. Job search conditions

Item	Description
Fiscal year	Specify the fiscal year of the time when the job was executed.
Search target	Specify the search range of the job submitter. When "user" is selected, it searches for the job executed by the current logged-in user. If you wish to search by group, select another group in the "Group selection" list box on the upper right of the screen and then specify other conditions.
AR ID	Specify the ID number of the node reservation.
JOB ID	Specify the ID number of the submission job.
JOB_NAME	Search by job file name specified at job submission. Partial matching of character strings is also possible.
STATUS	You can search according to job status. You can select either "in process" or "end" and search by status letters of each.
SUBMIT	Specify the time when the job was submitted.
START	Specify the time when the job was started.
END	Specify the time when the job ended.
WALL(sec)	Specify the job execution time specified by the user when executing the job.
RU_WALL(sec)	Specify the time actually consumed by the job.
PRIORITY	Specify the priority of the job. The priority is one of 0, 1, and 2.
CPU(sec)	Specify the CPU time consumed by the job.
MEM(GB)	Specify the memory consumed by the job in units of GB.
POINT	Specify the number of points consumed by job execution.

Items that can be specified as search conditions are as follows.

# 12. Management of TSUBAME usage report

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

TSUBAME users are required to report their research results from TSUBAME for each group.

To manage usage reports, use the "Usage Reports" page. Select "Management your group" from the side menu, select "Detail Display" for the target group, and click "Usage Report" button on the group details page.

TSUBAME group (tga	a-group001) details	
Group basic information		
Group name	tga-group001	
Comment		Edit
Group manager	toukoudai	Manager change
Group contact		Change
Group classification	東工大に在籍する教職員、学生等のみのグループ	
Group status (?)	In use	Suspend the use
Main use field (?)	Current setting : Quantum chemical Quantum chemical	Setting
Usage report (?)	Report count : 0	Usage report

Tips

The "Usage Report" button may not be displayed depending on the group type.

# 12.1. Submit usage report

tga-g	roup0(	01 Submit a usag	ge report				
New re	eport						
Individ	dual report	bulk report					
Repor	t list						
Numb	er of us	age reports 1					
< <pre>&lt;<pre>&lt;<pre></pre></pre></pre>	next>>				1	I / 1	move
No.	Repor t ID	Kind		Content		Attachment	Modified date time
1	5	Report	<u>2018年度利用報告</u>				2019/08/22 10:08:48
					1	0 1/1	

# 12.1.1. Submit individual reports

Select "Individual Report" in the "Usage Report" menu. The input page is displayed.

tga-group001 S	ubmit a usage report	
New report	bulk see at	
Individual report	bulk report	
Kind	Unselected	[500 Source length]
Content (?)		
Attachment file		Reference Delete
Regist		

Usage report submission: Operating method of individual report

Name	Description
Туре	Select the type of report from peer-reviewed articles, non-reviewed articles, oral presentations, etc.
Contents	Fill in the content of the usage report to be submitted. Please enter within 500 characters.
Attached file	Specify the file attached to the usage report to be submitted.

After entering the necessary items, click "Regist" button to complete the report.

#### 12.1.2. Submit reports in bulk

Select "bulk report" in the "Usage Report" menu. An input form is displayed.

tga-group001 S	tga-group001 Submit a usage report							
New report								
Individual report	bulk report							
		[500 Source length]						
		bulk report form (?)						
Read report								
	ind of report below and re ease fix it after reporting	emove the check mark if there is a report not to register. Also, if there is						
Select	Kind	Content						
Regist								

Fill in the "bulk report form" in the form of one report per line. Blank lines are ignored.

After entering, select the "Read report" button. Read the information entered in the batch report form. The read contents are displayed in tabular form below the batch registration form.

Check the contents entered in the bulk report form to be registered in the system. Items that are not checked will not be registered in the system even if you click "Regist" button. For each report item, select the type of report from among peer-reviewed papers, non-peer-reviewed papers, and oral presentations. Finally, click "Register this content" button to register the checked report.

# 12.2. View and update usage reports

In the "usage report reference update" screen, you can check the details of the reported usage report, update it, and download the attached file.

A list of reported usage reports is displayed at the bottom of the "Submit Usage Report" page.

Report list									
Number of usage reports 4									
<prev next="">&gt; 1 (*) 4 / 4 move</prev>									
No.	Repor t ID	Kind	Content	Attachment	Modified date time				
1	9	Report	2018年度グループ利用統計	C	2019/08/22 10:40:56				
2	8	Report	2018年度ストレージ利用報告(データ種別ごと)		2019/08/22 10:25:11				
3	7	Report	2018年度リソース別利用報告(詳細)		2019/08/22 10:25:11				
4	6	Report	<u>2018年度利用報告(概要)</u>		2019/08/22 10:25:38				
< <pre>&lt;<pre>v</pre></pre>	<u>next&gt;&gt;</u>		1	\$ 4 / 4	move				

#### Select the link in the content column to view and edit the reported content.

		U	se report de	tails				×
Update user:toukou	Create date:2019/0 Update date:2019/							
Kind	Report	0				[500 Source length]		
Content (?)	2018年度グループ利	J用統計						
Attachment file						Reference	Delete	
		Update	Delete		Close			

An icon is displayed in the attachment column for reports with attached files. Click to see the attached file. After checking the contents, update, delete, change or delete the attached file as necessary.

Marning (1997)	
Accepted usage reports will be locked and become unchangeable. Please contact us if you need to modify it.	

# 13. Web application function

#### Red of operation

TSUBAME3 is not in operation any more. You can find TSUBAME4 manuals here

This chapter describes how to use web applications such as Jupyter Lab on TSUBAME compute nodes.

## 13.1. Web service use function entrance

As a service entrance, "Use Web Service" is displayed in the menu on the left side and in the usage options on the group details screen.

#### 13.1.1. From the menu

Web Service Usage" is displayed in the user information field of the menu displayed on the left side of the screen.

[TSUBAME Use Status] Job list
[User Information] Change user information Register SSH public key Use Web service
Password setting

Click this link to move to the Web Service Usage Reception screen.

#### 13.1.2. From the group detail screen

Web service usage has been added to the usage options on the group detail screen. Click the Settings button to move to the Web Service Acceptance screen.

Option	Available	
Reserve Node		Configuration Cancel
Group disk		Setting
Use Web Service		Setting
VPN service		

# 13.2. Configuration of the Web Service Usage Reception screen

This section describes the configuration of the Web Service Acceptance screen.

			use recep ervice ( ? )		<sup>–</sup> (1	D					
Web	appli	ication	[	Jupy	ter Lab 🗠						
0	Que	ue for i	nteractive u	se on	ıly						
	Grou	up selec	tion		tga-blue000		-				
	Utili	zation t	ime		02:00:00						
	Node number			1							
۲	Use	of paid	services								
	Grou	up selec	tion		tga-blue000		-				
	۲	Norma	al node use								
		Resou	rce type		s_core[C1]	~					
		Utiliza	tion time		00:10:00	1					
		Node	number		1						
					1						
	°		served nod	es							
		ARID									
		Resou	rce type		f_node[F]						
		Utiliza	tion time		00:10:00						
		Node	number		1						
0	Trial	luse									
					a ang/(11						
		ource ty	-		s_core[C1]						
	Utili	zation t	ime		00:10:00						
	Nod	e numb	er		1						
node	e rese	rvation	fails		Cancel	Wait until	empty				
		Start	-up								
		Upda	ite								_
< <ba< th=""><th>ck 1</th><th></th><th>27 Move</th><th>Next</th><th>**</th><th></th><th><math>(\mathbf{Z})</math></th><th></th><th></th><th></th><th></th></ba<>	ck 1		27 Move	Next	**		$(\mathbf{Z})$				
_		ERATION		ME AR	ID JOB ID				START	END	POINT
End			tga-blue000		8000032	1		2021/04/22 09:26:3		2021/04/22 09:31:23	(29)
End			tga-blue000		8000031	1		2021/04/22 09:15:5			29
End					1000055	4		2021/04/13 13:12:2 2021/04/05 12:12:2		2021/04/13 13:13:40 2021/04/05 12:20:39	
End					1000042	4		2021/04/05 12:12:2		2021/04/05 12:20:39	
End					1000040	4		2021/04/05 12:11:0			
End				-	1000039	4		2021/04/05 12:10:5		2021/04/05 12:11:29	
End					1000039	4		2021/04/05 12:00:2		2021/04/05 12:05:23	
_			top blueges	-							
End			tga-blue000		8000028	4		2021/04/05 11:59:5 2021/04/05 11:59:4		2021/04/05 12:04:44 2021/04/05 12:04:47	17
	ck 1		27 Move	Nexts		4	0 00.10.00	2021/04/05 11:59:4	2021/04/05 11:59:43	2321/04/05 12:04:47	
× 500	1 2.0	17.1	er nove	next2							

The Web Service Usage Reception screen consists of two parts: the usage registration interface and the list of registered jobs.

No	Name	Description
1	User Registration Interface	Accepts the use of the Web service. You can set the resource type and execution time for use.
2	Job List	Displays a list of jobs that have been registered for use. You can check the status of each job and cancel it.

#### 13.2.1. Web Service Acceptance Interface

This section describes the Web Service Acceptance Interface.

Web application (1) Jupyter Lab $\checkmark$					
0	Que	ue for interactive use of	nly 2		
	Utiliz	zation time	24:00:00		
ullet	Use	of paid services ③			
	Grou	ip selection	tga-blue000 V		
	۲	Normal node use			
		Resource type	s_core[C1] ~		
		Utilization time	00:10:00		
	0	Use reserved nodes			
		ARID			
		Resource type	f_node[F] ~		
		Utilization time	00:10:00		
0	Trial	use (4)			
	Reso	ource type	s_core[C1] V		
	Utiliz	zation time	00:10:00		
node	e rese	rvation fails (5)	Cancel $\bigcirc$ Wait until empty		

Start-up

6

3.       Use of Paid Services       Select this option when executing a Web application using Group Points. There are two options: "Normal node use (shared)" and "Reserved node use (occupied)". There is no limit to the number of nodes used.	Νο	Name	Description
interactive use onlyselection drop-down will be selectable. For on-campus users, the group selection will be grayed out. The default usage time is 2 hours, but you can change the setting. The number of nodes used is set to 1 and cannot be changed.3.Use of Paid ServicesSelect this option when executing a Web application using Group Points. There are two options: "Normal node use (shared)" and "Reserved node use (occupied)". There is no limit to the number of nodes used. There is no limit to the number of nodes used.4.Trial useThis is a trial use of a web application using the tsubame-users group's "trial quota". The usage time is 10 minutes (fixed). The number of nodes is limited to 2.5.Node reservation failsSpecify the action to be taken when the Web application execution node request fails.	1.	Web Application	Currently, "Jupyter Lab" and "Code Server" are available.You can use "Jupyter Lab", "Code
A.Trial useThis is a trial use of a web application using the tsubame-users group's "trial quota". The usage time is 10 minutes (fixed). The number of nodes is limited to 2.5.Node reservation failsSpecify the action to be taken when the Web application execution node request fails.	2.		selection drop-down will be selectable. For on-campus users, the group selection will be grayed out. The default usage time is 2 hours, but you can change the setting. The number of
5.       Node reservation fails	3.	Use of Paid Services	options: "Normal node use (shared)" and "Reserved node use (occupied)". There is no limit to the number of nodes used. There is no limit to the number of nodes used. In the case of reserved node use, points are not
fails	4.	Trial use	
6. Start-up The Web service will start to be used under the entered conditions.	5.		Specify the action to be taken when the Web application execution node request fails.
	6.	Start-up	The Web service will start to be used under the entered conditions.

#### 13.2.2. About resource type

This function selects a computer resource. The selectable resource items differ depending on whether you are using a normal node or a reserved node. The available resource types are shown in the table below.

Resource type	f_node [F]	h_node [H]	q_node [Q]	s_gpu [G]	s_core [C1]	q_core [C4]
Physical CPU cores	28	14	7	2	1	4
Memory size	240GB	120GB	60GB	30GB	7.5GB	30GB
GPU	4	2	1	1	0	0
SSD	1800GB beeOND	900GB	450GB	224GB	120GB	225GB
Available resource types(share)	/	1	7	1	1	/
Available resource types(Occupy)	1	1	7	×	X	×

#### 13.2.3. Execution time

Enter the time in "hour:minute:second" format. If it is entered in "HH:MM" format, it will be completed as "hour:minute:00".

#### 13.2.4. AR ID

Enter the ARID of the reserved node where this Web application will be executed. This is required when using a reserved node. It is necessary to obtain the ARID beforehand by doing Node Reservation from the portal.

#### 13.2.5. Other

The groups that can be selected in the group drop-down list are listed only for the group to which the user belongs. Only the groups to which the user belongs will be listed. The parameter areas other than the ones selected by the radio buttons are grayed out and cannot be entered.

#### 13.2.6. Confirmation Dialog

When you click the "Start" button, the contents of the dialog will change as shown below, depending on the input contents. The system will automatically determine and display the input values and all other information except where indicated.

	Resources used	Node reservation ID	Resource Type	Usage Time	Number of Payment Points
Interactive Queue (on campus)	Interactive Queue		-	Input value	-
Paid (normal node)	shared	-	input value	input value	Temporary holding point
Paid (Reserved Node)	occupied	input value	input value	input value	0
Trial Use	Share		Input Value	00:10:00	

Display example

• Queue for interactive use only

Web ser	vice registration
Resource type	Interractive
AR ID	
Resource type	
Utilization time	02:00:00
<u>Statement</u>	
Payment points	points

• Paid service use, normal node

Web ser	vice registration
Resource type	Share
AR ID	
Resource type	s_core[C1]
Utilization time	00:10:00
Statement	
Payment points	29points

Paid service use, reservation node

Web serv	ice registration
Resource type	Occupy
AR ID	12345
Resource type	f_node[F]
Utilization time	00:10:00
Statement	
Payment points	Opoints

Trial use

11.

Web serv	ice registration/
Resource type	Share
R ID	
esource type	s_core[C1]
tilization time	00:10:00
Statement	
ayment points	points

# 13.2.7. List of registered jobs

This section describes the list of jobs that have been registered for use.

	Update										
< <back 1="" 2="" move="" next="">&gt; 2</back>											
STATUS	OPERATION	GROUP_NAME	AR ID	JOB ID	CPU(core)	GPU	TIME(h)	SUBMIT	START	END	POINT
preparing	Cancel			6389269	1	0	00:10:00	2020/03/23 11:49:15	2020/03/23 11:49:15		
preparing	Cancel	tga-hpe_group00	12345	6389268	28	4	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		0
preparing	Cancel		3	6389267	1	0	24:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		
Error		tgz-ARKTEST20180115		6389266	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	
Running	Display End	tgz-ARKTEST20180115		6389265	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		(142)
Suspending		tgz-ARKTEST20180115		6389264	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		(98)
End		tgz-ARKTEST20180115		6389263	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	174
End		tgz-ARKTEST20180115		6389262	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	146
End		tgz-ARKTEST20180115		6389261	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	
End		tgz-ARKTEST20180115		6389260	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	0

<<Back 1 / 2 Move Next>> 4

No	Features	Description
1.	Display update button	Update the contents of the list of jobs registered for use.
2.	Page selection menu (top)	Switch the page of the list of registered jobs. << Displays the previous page of one page. >> Displays the next page of one page. Jump to the page specified in the input field.
3.	List of registered jobs	Displays a list of jobs that have been registered for use. The background color and the button display differ depending on the status.
4.	Page Selection Menu (Bottom)	Same as 2. Page Selection Menu (Top)

Item	Content
Status column	Displays the preparation status after registration.
Operation column	Displays the possible operation buttons according to the contents of the status column.
Group name column	Displays the group name in which the job was executed. The group name will be hidden during the trial frame (group name: tsubame-users).
ARID column	Displays the AR ID at the time of reservation execution.
JOBID column	Displays the job ID.
CPU(core) column	Displays the number of physical CPU cores according to the resource type.
GPU column	Displays the number of GPUs according to the resource type.
TIME(h) column	Displays the execution time of the job.
Registration column	Displays the date and time when the job was registered.
START column	Displays the date and time when the job was started. If the job has not started, leave this column blank.
End column	Displays the estimated end time of the job in gray.
POINT column	Displays the points to be used. In the case of other than paid use, "" is displayed. While the job is running, it displays the fact that it is a temporary holding point with ().

Background color for each record Color according to the status: preparing: green processing: light blue stopped: yellow error: pink finished: gray

Record Sorting Sorts records so that the most recently received record is displayed at the top.

## Display of error content When the mouse is over the "Error" string, the contents are displayed as a tooltip.

## 13.3. Job and status

The operation column changes as follows depending on the job status.

#### Example of job display

	Update										
< <back 1<="" th=""><th>/2 1</th><th>Next&gt;&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></back>	/2 1	Next>>									
STATUS	OPERATION	GROUP_NAME	AR ID	JOB ID	CPU(core)	GPU	TIME(h)	SUBMIT	START	END	POINT
preparing	Cancel			6389269	1	0	00:10:00	2020/03/23 11:49:15	2020/03/23 11:49:15		
preparing	Cancel	tga-hpe_group00	12345	6389268	28	4	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		0
preparing	Cancel			6389267	1	0	24:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		
Error		tgz-ARKTEST20180115		6389266	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	
Running	Display End	tgz-ARKTEST20180115		6389265	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		(142)
Suspending		tgz-ARKTEST20180115		6389264	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53		(98)
End		tgz-ARKTEST20180115		6389263	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	174
End		tgz-ARKTEST20180115		6389262	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	146
End		tgz-ARKTEST20180115		6389261	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	
End		tgz-ARKTEST20180115		6389260	2	1	02:00:00	2020/02/27 16:02:37	2020/02/27 16:02:53	2020/02/27 16:32:53	0

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State	Operation	Contents
Preparing.	Cancel	Preparing for execution. Cancels the job before execution.
Processing	Display	Opens and forwards the operation screen of the Web service in a separate window.
	Quitting	Cancels a job that is currently running.
Stopping	-	The job is being stopped.
Finished	-	A job that has finished.
Error	-	Error Completed job.

TSUBAME3.0 Web service connection URL will be sent when the status changes to "Processing". The content of the mail differs depending on the target Web service.

# 13.4. Registration cancellation dialog

After a job has been registered for use, the following confirmation dialog will be displayed when canceling the service while it is "preparing" or "running".

When the Cancel button is pressed

Cancel w	eb service
Resource type	Share
AR ID	
Resource type	s_core[C1]
Utilization time	00:10:00
OK	Cancel

When the End button is pressed

Termination of	of Web service
Resource type	Share
AR ID	
Resource type	s_core[C1]
Utilization time	00:10:00
OK	Cancel

The content of the confirmation dialog changes as follows according to the input contents at the time of job submission. The system will automatically determine and display the values other than the input values.

	Resource used	Node reservation ID	Resource type	Usage time
Interactive queue (on campus)	Interactive Queue		-	Input value
Interactive queue (off-campus)	Interactive queue	-	-	Input value
paid	Normal Node	Shared		Input value
	reserved node	occupied	Input value	Input value
Trial Use	Shared	-	Input value	00:10:00

# 13.5. Jupyter screen display

When you click the URL of the TSUBAME3.0 Web Service connection notice mail or the "Job List" button, the Jupyer screen is displayed in another window.

You can use the URL of the TSUBAME3.0 Web Service Connection Notice Mail only once, and use the Job List button on the portal screen to connect to Jupyter after the second time.

Notice mail(juypter) This mail is sent from send-only address. For inquiry, please visit https://www.t3.gsic.titech.ac.jp/en/contact-t3 .

To xxxx xxxx

Jupyter Notebook service is now available.

JOB Number:8000031 Group:tga-xxxx Resource:s\_core[C1] CPU core:1 / GPU 0 Submit Date:2021/04/22 09:15:56 Start Date:2021/04/22 09:15:56 End Date:2021/04/22 09:25:56

Please access from the following URL. This URL can only be used once.

http://veriptl.t3.gsic.titech.ac.jp/t3po/webservice/aAcoYS1WB\_0re72Xou5kqnkKPTONEBa6EA GMEN6c/http%253A%252%253A80w0q%252FnsW0hnKm73Pk6LJ1G09hYxVrSMbtTeNe%252F%253Ftoken%253D

#### Jupyter startup screen

$\mathbf{C}$	File Edit	View	Run Kern	el Tabs	Settings Help	
	+		±	G	🛛 Launcher	
	<b>m</b> /					
Ο	Name	^		t Modified		
	work		19	9 days ago		Notebook
۲						
						n 🥐
						<u> </u>
						Python 3
						Console
						n 🥐
						Python 3
						SOther
						-
						s = M =
						s_ 🔄 💆 🗖
						Terminal Text File Markdown File Show Contextual
						Help

#### 13.6. Code Server screen display

When the URL of the TSUBAME3.0 Web service connection notice mail or the display button of the job list is clicked, the Code Server login screen is displayed in another window.

You can use the URL of the TSUBAME3.0 Web service connection notice mail only once, and use the "Job List" button on the portal screen to connect to Code Server for the second time or later.

Notification mail (Code-Server) This mail is sent from send-only address. For inquiry, please visit https://www.t3.gsic.titech.ac.jp/en/contact-t3 .

To xxxx xxxx

code-server service is now available.

JOB Number:8000032 Group:tga-xxxx Password:wW8uNCNQ1aWpwxxxx5BVJ Resource:s\_core[C1] CPU core:1 / GPU 0 Submit Date:2021/04/22 09:26:32 Start Date:2021/04/22 09:26:32 End Date:2021/04/22 09:36:32

Please access from the following URL. This URL can only be used once.

http://veriptl.t3.gsic.titech.ac.jp/t3po/webservice/WlIe4gbCU4wa\_TG1WCmKhFkWITUvbCS 81\_SDHH/53A%25252Flocalhost%253A8888%252Fd6JNhEq5Bvj5DgwegnNlmceSOC08LBvW%252Flogin

Code Server Login Screen

Welcome to code-server Please log in below. Password was set from \$PASSWORD.	
PASSWORD	

Please note that you will need to enter the password provided in the email to login to the Code Server. Enter the password and click the SUBMIT button to log in to the Code Server.

#### Screen after Code Server login

Gin 🔝 Welcome			•••	
=	code-server v3.9.0			
¢	VS Code v1.52.1			
<u>Р</u>		Customize	- 1	
e	New file Open folder or done repository	Tools and languages Install support for AnsSoript, Fython, Ann. PHP, Asure, Docker and more		
\$	Recent	Settings and keybindings	- 1	
88	No recent folders	Install the settings and keyboard shortcuts of Vim, Sublime, Atom and others		
	cade-server Help Gitub Reportery	Color theme Nuke the editor and your code look the way you love		
	Reference Notes	Learn		
	Setup Guide Docs Documines Stack	Find and run all commands Rapidly access and search commands from the Command Palette (Ctrl+Shift+P)		
	Help	Interface overview Get a visual overlay highlighting the major components of the UI		
	Printoble keyboard cheetsheet Introductory videos Tipa and Tricks Product documentation	interactive playground Try out essential editor features in a short walithrough		
8	Stack Overflow Join our reveletter			
4 <u>6</u> 3	Show welcome page on startup	<ul> <li>code-server v3.0:1 has been released!</li> </ul>	_	
× localhoctil 88	040	Leyo	/s US 🖸	

# 13.7. Web Service Specific Description

For Jupyter Lab specific description, please refer to Jupyter Lab User's Guide.

# 13.8. noVNC screen display

When you click the URL in the TSUBAME3.0 Web service connection URL email or the View Job List button, the noVNC login screen will appear in a separate window.

The URL in the TSUBAME3.0 Web Service Connection URL email can be used only once. Use the Show button in the list of jobs.

#### noVNC login screen



password input window

パスワード: 資格情報を送信

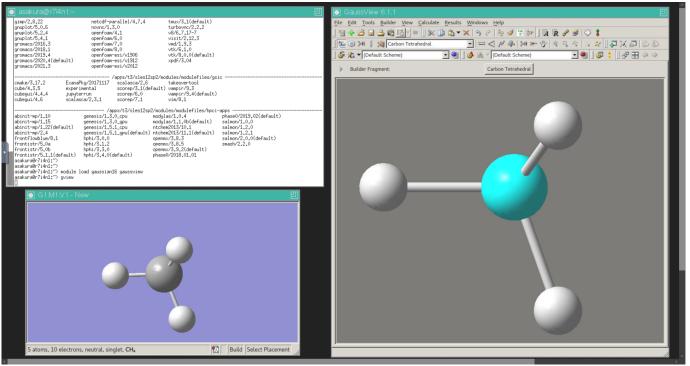
Note that to log in to noVNC, you will need to enter the password provided in the e-mail.

(In multiple sessions, the password in the last email sent will be valid for all sessions.)

Enter your password in the dialog that appears after clicking the "Connect" button and click the "Send Credentials" button to log in to noVNC.

(The following figure shows an example of GaussView started within noVNC.)

#### screen after noVNC login



# **Revision history**

Date	Changes					
2024/02/02	Update details for cancellation in "9.2 Cencel reservation"					
2023/05/25	Update an example invitation mail in "6.3.2. Join the group"					
2022/04/14	Update "13.8. noVNC Login screen"					
2022/04/05	Add "13.8. noVNC Login screen"					
2021/06/21	Add explanation for budget category in Grant-in-aid to "7.3. New payment code application"					
2021/06/07	Add "7.3.1. Approval by the budget manager (Confirmation)"					
2021/04/06	Updated "13. Web application function" to include code-server					
2021/03/04	Add "9.4. use of reserved nodes"					
2020/04/24	Add "13. Web application function"					
2020/04/22	Add t3-user-info compute ars in "9.3. Check reservations"					
2020/03/24	miscellaneous English corrections					
2019/09/17	Changed documenting system Refined contents structure					
2019/04/23	Corrected the card type of Application for change of group manager					
2019/04/01	Updated the description of TSUBAME usage report submission function. Add main usage field setting operation explanation					
2019/01/17	Modify title Add explanation about cancellation of reservation in node reservation function					
2018/11/07	Add about group naming rules					
2018/05/10	Add explanation about group administrator (main) change					
2018/05/07	Submission of TSUBAME usage report added					
2018/03/22	Update screenshot, correct mistakes / omissions					
2018/03/19	Update screenshot, correct mistakes / omissions Add explanation about payment code, TSUBAME point, and group disc at the end of the fiscal year Add explanation about how to confirm point purchase history					
2018/01/23	Image update of job search result Added node reservation function Image update of usage details confirmation screen Image update on the usage confirmation screen TSUBAME Group Detail Screen Utility Option Image Update					
2017/12/08	Add explanation about point purchase period					
2017/09/13	Screenshot update, mistake / omission correction etc. Add explanation about group					
2017/09/11	Screenshot update, mistake / omission correction etc. Add explanation about budget code and payment code					
2017/08/26	Screenshot update, mistake / omission correction etc.					
2017/07/31	Initial version					