

Open OnDemand User's Guide

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1. Introduction

This document describes Open OnDemand implemented in TSUBAME4.0.

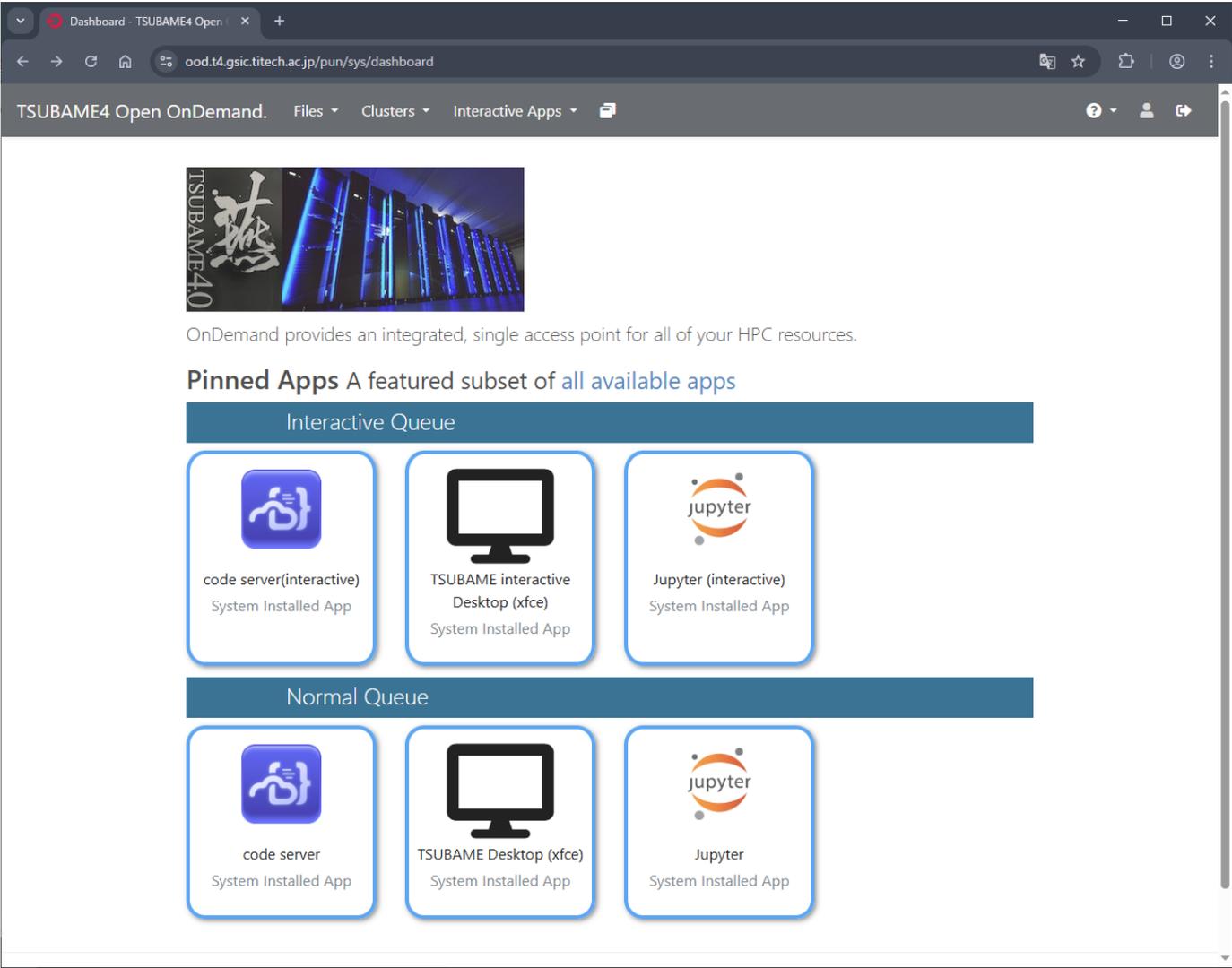
Open OnDemand makes it easier than ever to use TSUBAME.

1.1. Overview of Open OnDemand

Open OnDemand (OOD) is a web browser-based portal site that makes supercomputers readily available.

Conventional supercomputers require terminal-based command operations using SSH, knowledge of public key cryptography, and SSH key creation and registration.

Open OnDemand is web-based, so that making it easy for anyone to start using a supercomputer.



2. Getting Stated and Access Management Server

2.1. Get a TSUBAME account

A TSUBAME account is required to use Open OnDemand.

If you do not have an account, please apply for one [here](#).

2.2. TSUBAME password setting in TSUBAME Portal

Before using Open OnDemand, please set your TSUBAME password on TSUBAME Portal.

Please refer to [here](#) for TSUBAME password setting on TSUBAME portal.

2.3. Login to Access Management Server

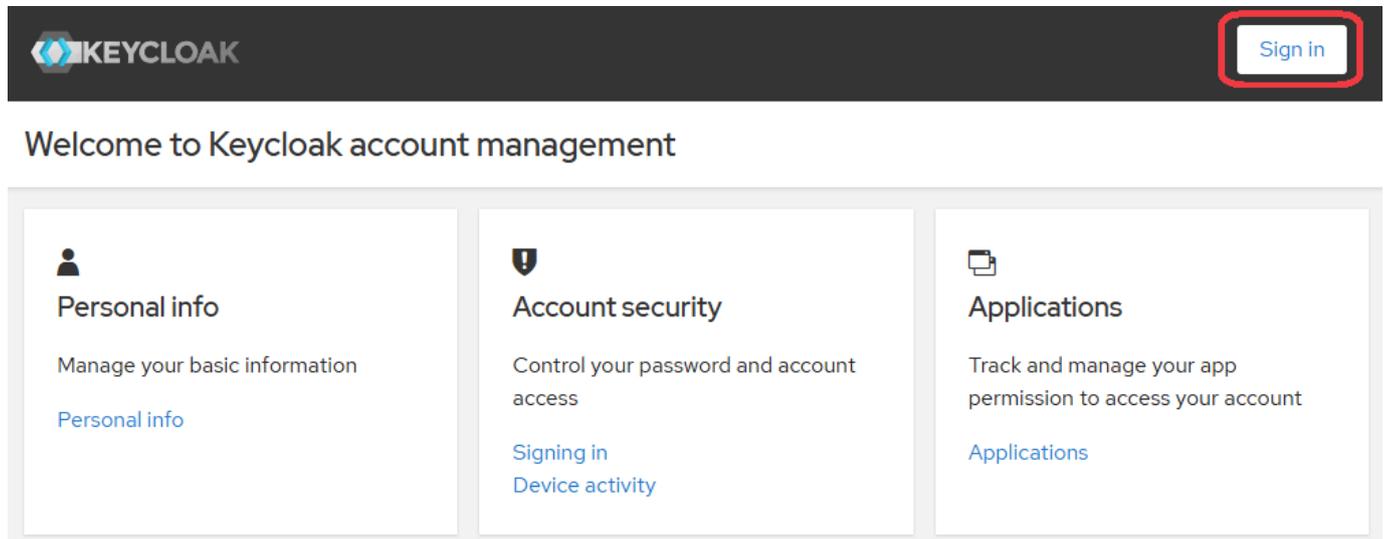
Using Access Management Server, you can select login method to TSUBAME Open OnDemand, registre or management security devices to login. TSUBAME 4.0 uses Keycloak as Access Management Server.

When you login to Access Management Sever, access below using Web browser.

<https://oodm.t4.gsic.titech.ac.jp/realms/ondemand/account/>

At first time login, or when you remove all registered security devices, you need to use "TSUBAME username/password/E-mail" authentication.

Press "Sign in" at top right on the dashboard.

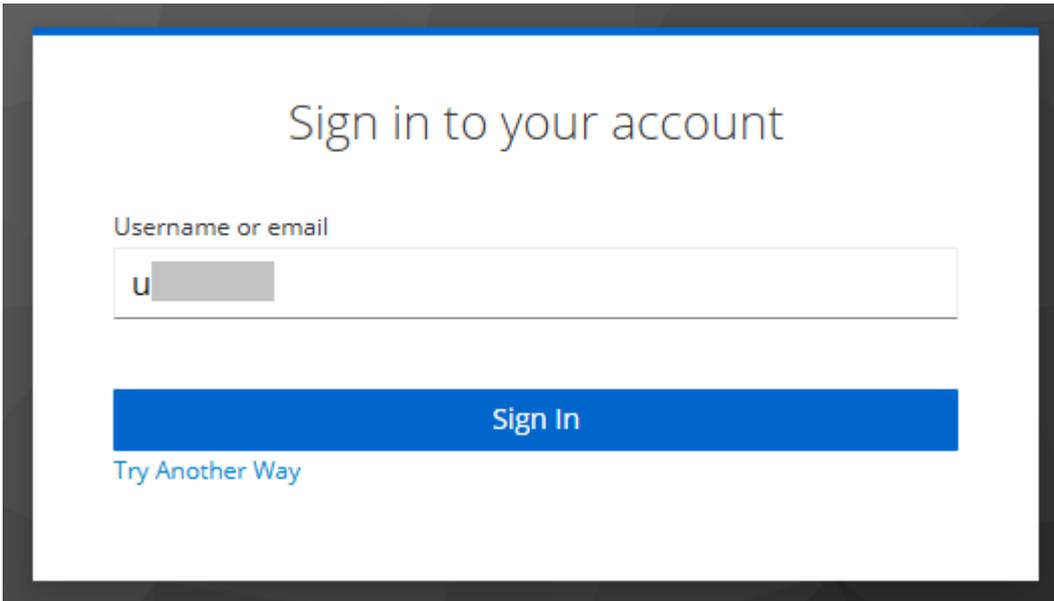


KEYCLOAK Sign in

Welcome to Keycloak account management

<p> Personal info</p> <p>Manage your basic information</p> <p>Personal info</p>	<p> Account security</p> <p>Control your password and account access</p> <p>Signing in Device activity</p>	<p> Applications</p> <p>Track and manage your app permission to access your account</p> <p>Applications</p>
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Input TSUBAME login name and press "Sign In".



Input TSUBAME password and press "Sign In".



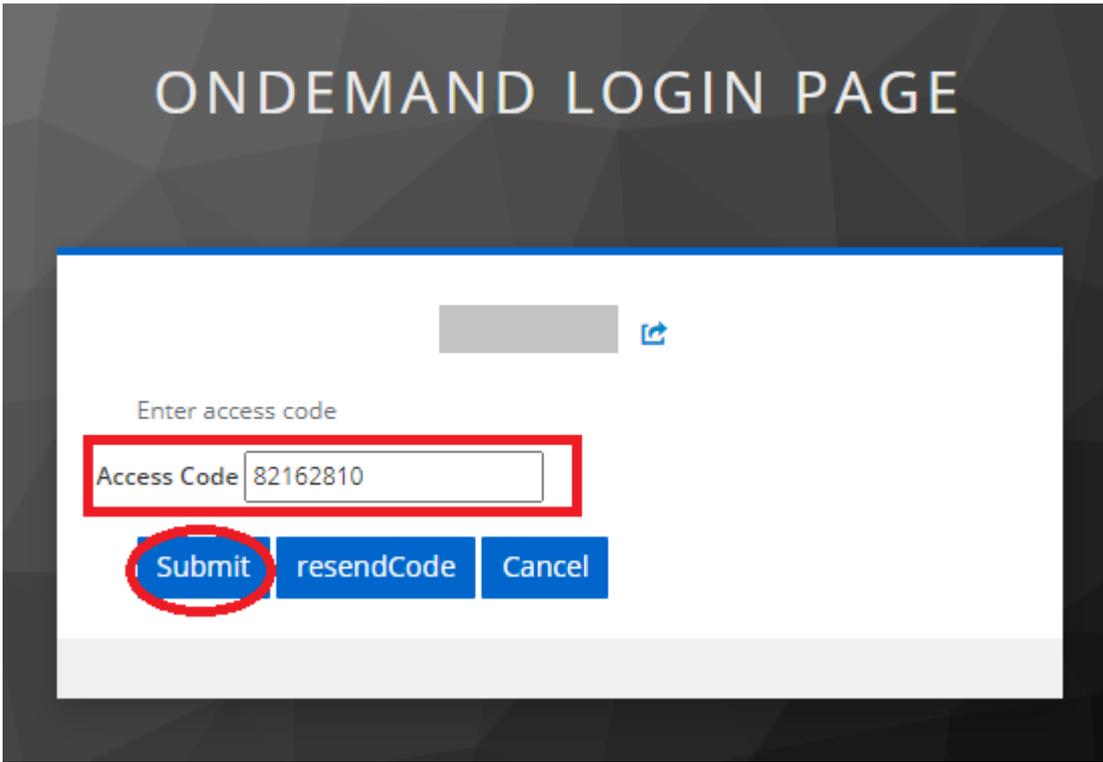
An e-mail with an access code will be sent to your e-mail address registered on the TSUBAME Portal.

ondemand login page access code



Access code: 82162810

Copy the number in the Access code, paste it into the space below, and press Submit.



 Info

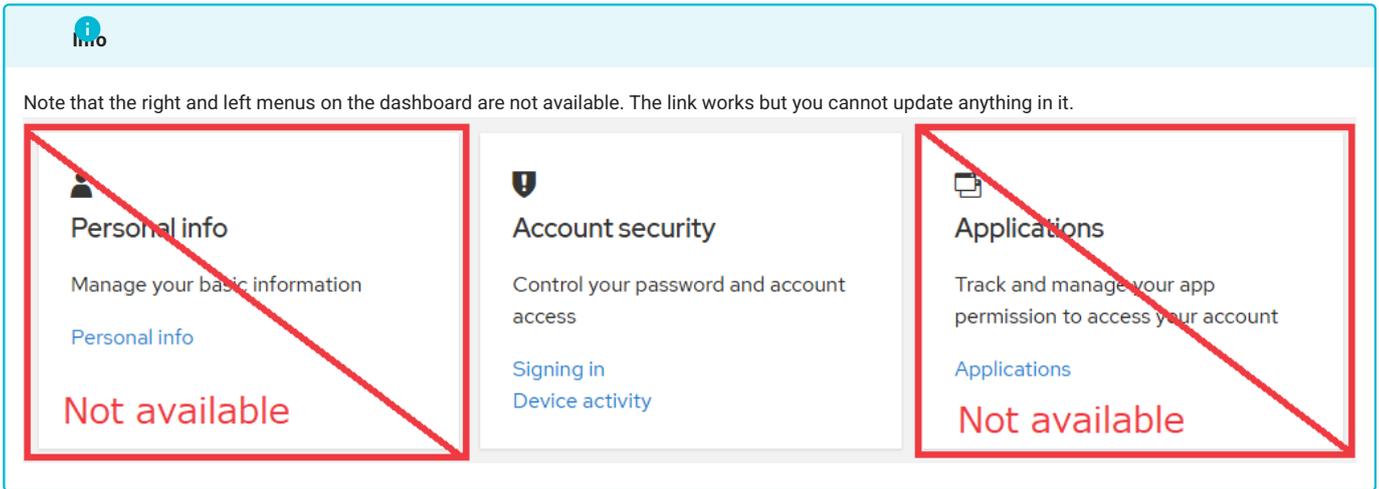
After a certain period of time, the access code will become invalid. In this case, press "resend code" to reissue the access code.

After successful login, the dashboard will appear.



Welcome to Keycloak account management

 Personal info Manage your basic information Personal info	 Account security Control your password and account access Signing in Device activity	 Applications Track and manage your app permission to access your account Applications
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Note that the right and left menus on the dashboard are not available. The link works but you cannot update anything in it.

Personal info
Manage your basic information
[Personal info](#)
Not available

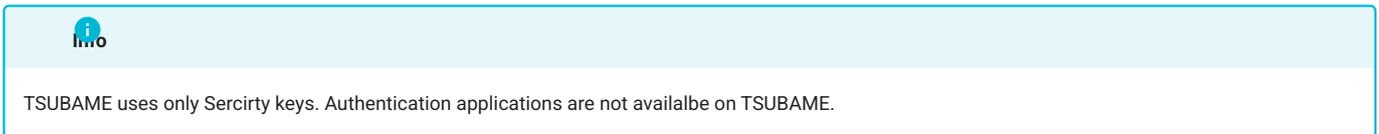
Account security
Control your password and account access
[Signing in](#)
[Device activity](#)

Applications
Track and manage your app permission to access your account
[Applications](#)
Not available

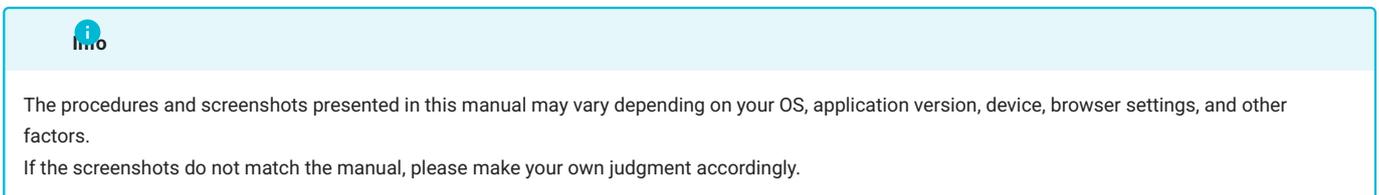
2.4. Security device registration to Access Management Server

Using Access Administrator Server, you can register one or more security devices to login Open OnDemand. In case of theft or loss, or you may use different types of terminals depends on cases, we recommend to register multiple security devices.

The security device does not have to be the same as the terminal where TSUBAME is used; you can combine a PC/Mac and a smartphone, or use the security device on the PC/Mac to complete the process within the same terminal. Please use the system according to your environmental conditions and ease of use.



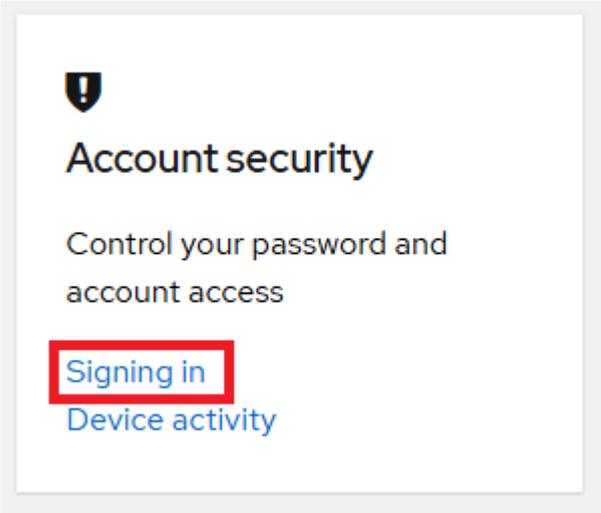
TSUBAME uses only Securty keys. Authentication applications are not availalbe on TSUBAME.



The procedures and screenshots presented in this manual may vary depending on your OS, application version, device, browser settings, and other factors.
If the screenshots do not match the manual, please make your own judgment accordingly.

2.4.1 Securty device registration (in every case)

To register a security device, press "Signing in" at Account Security.



Keycloak can handle two types of Two-factor authentication; Authentication application and Security key.

Authentication application: Google Authenticator, Microsoft Authenticator, FreeOTP

Security key: Windows Hello, Apple Keychain Access, Google Authenticator (Android). Fingerprint or facial recognition device/feature must be equipped.

Two-factor authentication

Authenticator application ⋮

Enter a verification code from authenticator application. Not available on TSUBAME

Authenticator application is not set up.

Security key ⋮

Use your security key to sign in.

Security key is not set up.

 Two-factor authentication with a security key cannot be realized on a desktop PC alone that is not equipped with fingerprint recognition and a camera. A typical notebook PC is equipped with a camera for web conferencing, so a stand-alone notebook PC can log in with a security key.

From the next step, the procedure varies depending on the type of security device you are registering. Please proceed to the section for your security device.

Warning

When a user name is specified at login on Access Management Server, a list of registered security devices is displayed. This means that if the user name is known, the list of security devices registered by that user before authentication can be referenced by a third party (a limitation due to the current Keycloak specification). Without the linkage of registered security devices, the actual authentication will not succeed, but other information may be analogized from the number, type, and name of devices in use. When registering security devices, please be careful to avoid using label names that can identify personal information or affiliations. In particular, do not use label names that include user IDs, passwords, PIN codes, or PIN numbers (even those for systems other than TSUBAME are prohibited).

u [redacted]

Available Security Keys

Android+GoogleAuthenticator
Internal
Created Feb 20, 2025, 4:27 PM

iPhone
Internal
Created Feb 20, 2025, 4:28 PM

WebAuthn Authenticator (Default Label)
Internal
Created Feb 26, 2025, 10:41 AM

WebAuthn Authenticator (Default Label)
Internal
Created Feb 26, 2025, 2:14 PM

Sign in with Security Key

- Chrome/Google password manager (Windows)
- Keychain access (Mac)
- Keychain Access (iOS)
- Google Authenticator (Android)

2.4.2. Chrome/Google password manager (Windows)

 **Info**

It is assumed that you are using Google Chrome and are logged in to the Google account to be linked.

Press the button to the right of Security key and click "set up Security key".

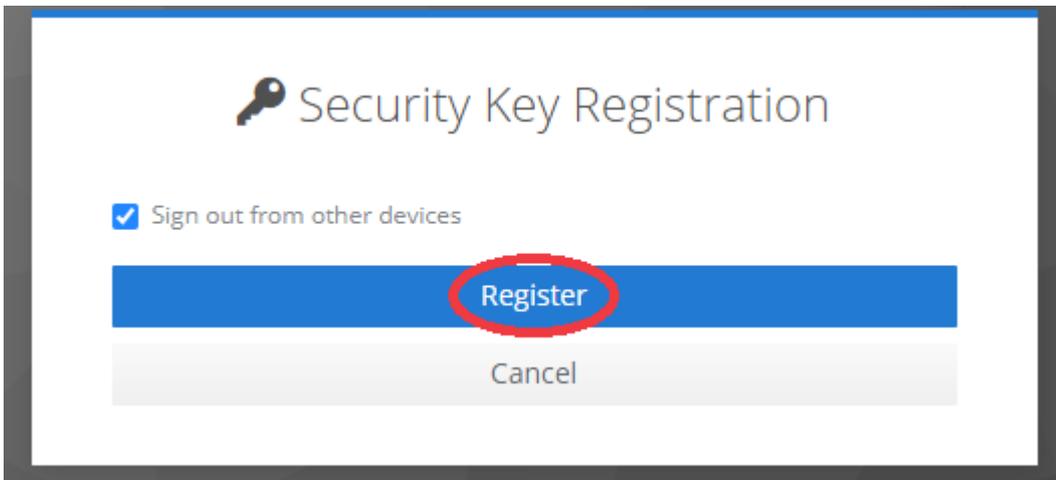
Security key

Use your security key to sign in.

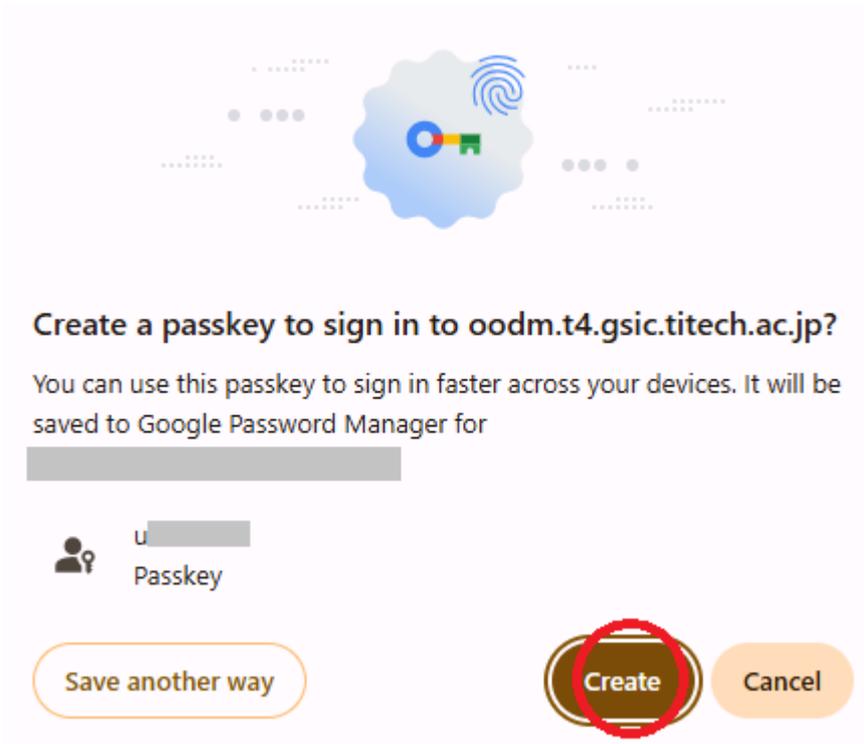


Security key is not set up.

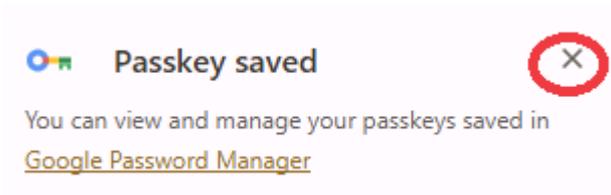
Press "Register".

A screenshot of a "Security Key Registration" dialog box. At the top, there is a key icon and the title "Security Key Registration". Below the title, there is a checked checkbox labeled "Sign out from other devices". At the bottom, there are two buttons: a blue "Register" button and a grey "Cancel" button. The "Register" button is circled in red.

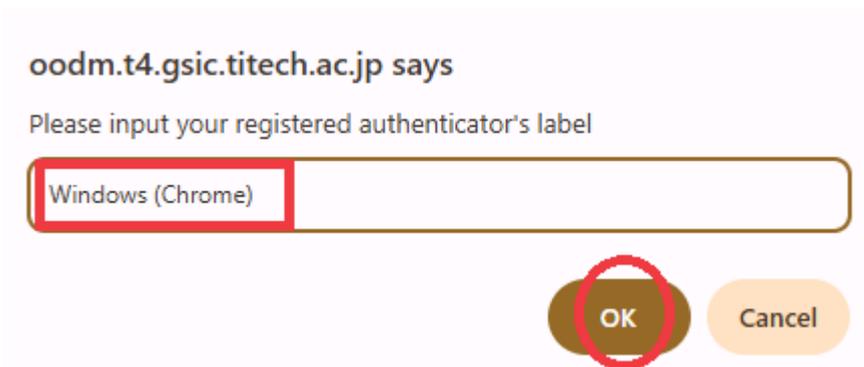
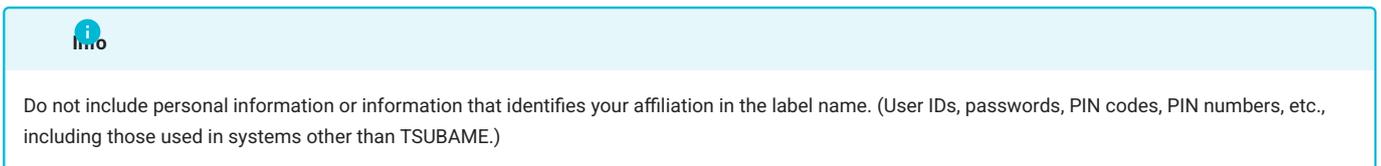
Security key dialog to login Access Management Server is displayed, press "Save".



Press "x" and close "Saved passkey" dialog,



Input any label.



If the label is registered with the label name specified in the Security key, the process is complete.

Security key



Use your security key to sign in.

Windows (Chrome)	Created February 27, 2025 at 12:41 PM	Remove
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2.4.3. Keychain access (Mac)

Press the button to the right of Security key and click "Set up Security key".

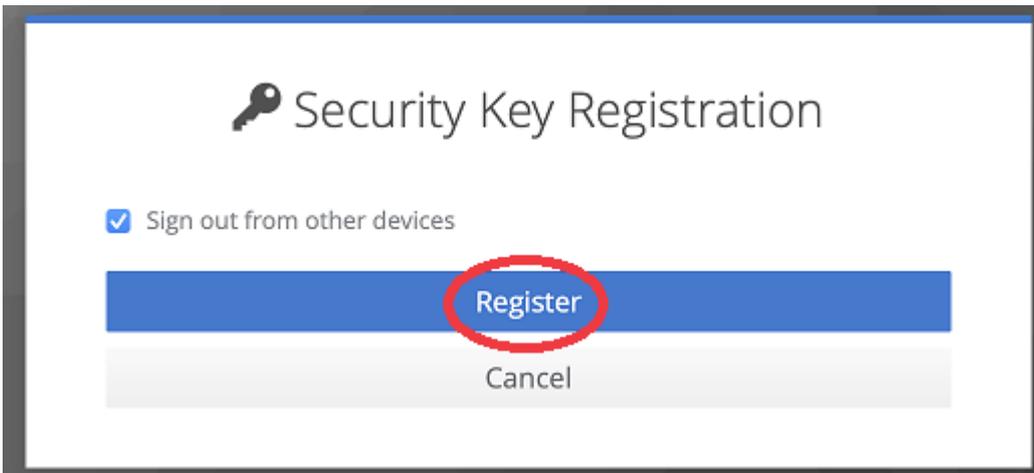
Security key



Use your security key to sign in.

Windows (Chrome)	Created February 27, 2025 at 12:41 PM	Remove
------------------	---	------------------------

Press "Register".



The Touch ID enrollment dialog will appear, process Touch ID.

Sign In

Cancel



Use Touch ID to sign in?

You will be signed in to "titech.ac.jp" with your passkey for "u[redacted]".



Continue with Touch ID

[Other Sign In Options](#)

Input any label.

Info

Do not include personal information or information that identifies your affiliation in the label name. (User IDs, passwords, PIN codes, PIN numbers, etc., including those used in systems other than TSUBAME.)

Please input your registered authenticator's label

Mac (touchID)

キャンセル **OK**

If the label is registered with the label name specified in the Security key, the process is complete.

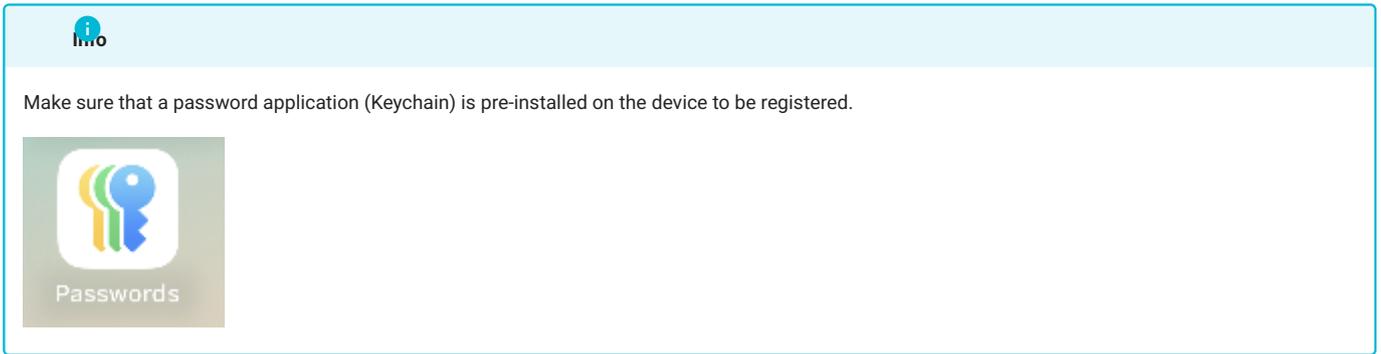
Security key

[Set up Security key](#)

Use your security key to sign in.

Windows (Chrome)	Created February 27, 2025 at 12:41 PM	Remove
Mac (touchID)	Created February 28, 2025 at 10:52 AM	Remove

2.4.4 Keychain Access (iOS)



Press the button to the right of Security key and click "Set up Security key".

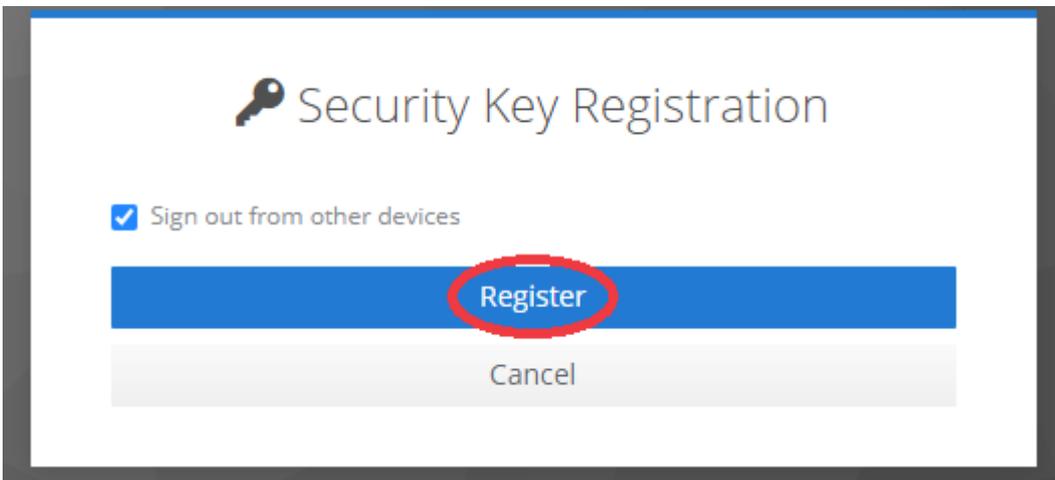
Security key

Use your security key to sign in.

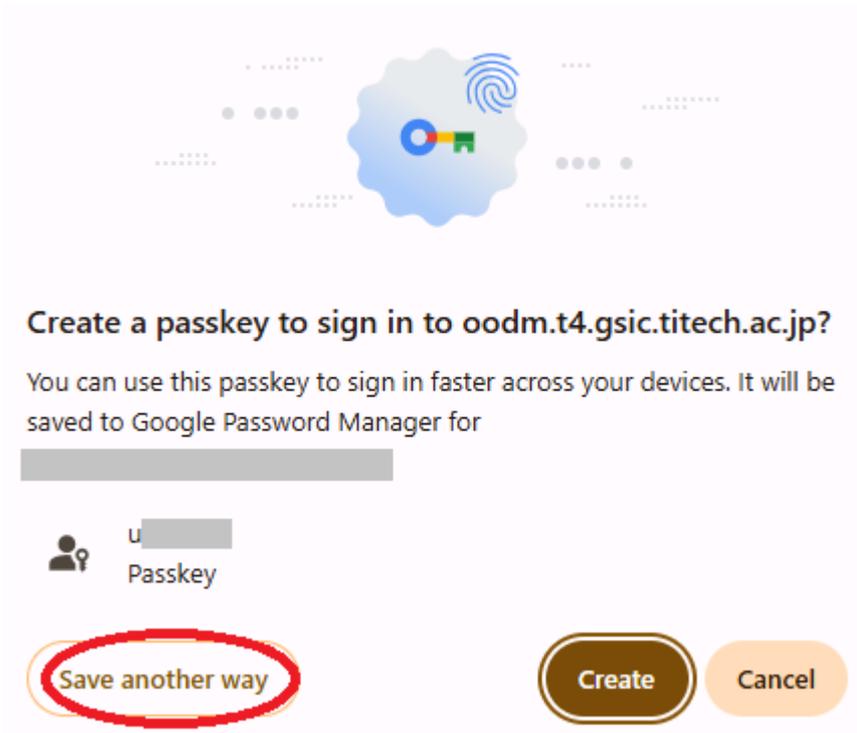


Security key is not set up.

Press "Register".

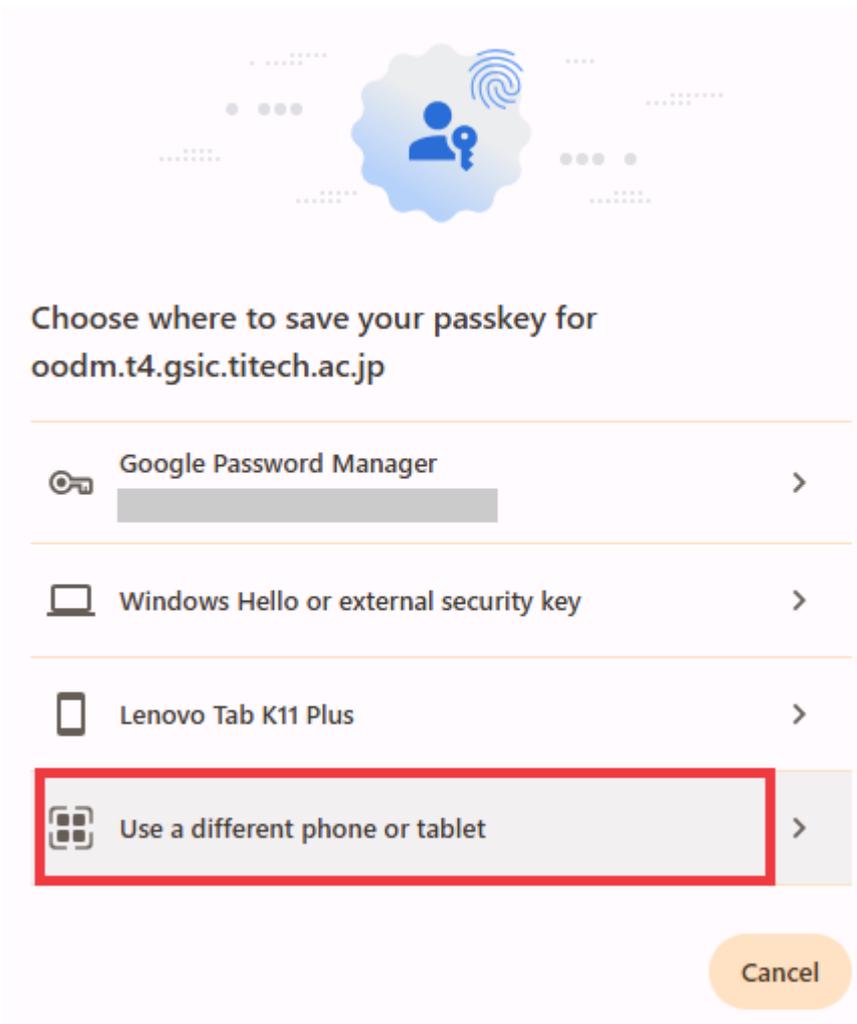


A dialog box for setting the security key to log in to the access control server will appear, and press "Save in another way".



The image shows a screen for creating a passkey. At the top, there is a decorative graphic with a fingerprint icon and a key icon. Below this, the text reads: "Create a passkey to sign in to oodm.t4.gsic.titech.ac.jp?". A subtext explains: "You can use this passkey to sign in faster across your devices. It will be saved to Google Password Manager for [redacted]". Below the text, there is a user icon and the text "u [redacted] Passkey". At the bottom, there are three buttons: "Save another way" (circled in red), "Create", and "Cancel".

In the list of security devices to register, select "Use a smartphone, tablet, or security key".



The image shows a screen titled "Choose where to save your passkey for oodm.t4.gsic.titech.ac.jp". At the top, there is a decorative graphic with a person icon and a key icon. Below this, there is a list of options with a right-pointing chevron next to each:

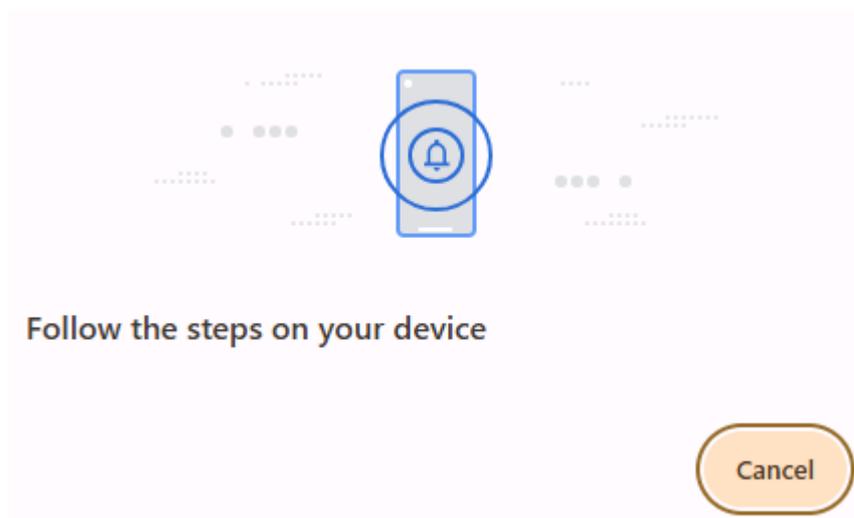
- Google Password Manager [redacted]
- Windows Hello or external security key
- Lenovo Tab K11 Plus
- Use a different phone or tablet (highlighted with a red border)

At the bottom right, there is a "Cancel" button.

When the QR code appears, read it with the camera of the device to be registered.



The following message will be displayed, and proceed.



You will be asked if you want to register a passkey on the device you are registering, so register it in the Passkey Manager [Fingerprint (TouchID) or FaceID] on the device.

Then return to the web browser and enter an easy-to-understand arbitrary label, such as the name of the registered device.

Info

Do not include personal information or information that identifies your affiliation in the label name. (User IDs, passwords, PIN codes, PIN numbers, etc., including those used in systems other than TSUBAME.)

oodm.t4.gsic.titech.ac.jp says

Please input your registered authenticator's label

T4 OOD Keychain (iPhone)

OK Cancel

If the label is registered with the label name specified in the Security key, the process is complete.

Security key ⋮

Use your security key to sign in.

T4 OOD Keychain (iPhone)	Created February 21, 2025 at 11:03 AM	Remove
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2.4.5 Google Authenticator (Android)

Info

Please make sure that Google Authenticator is installed on the device to be registered. iOS cannot use Google Authenticator as a security key.



Press the button to the right of Security key and click "set up Security key".

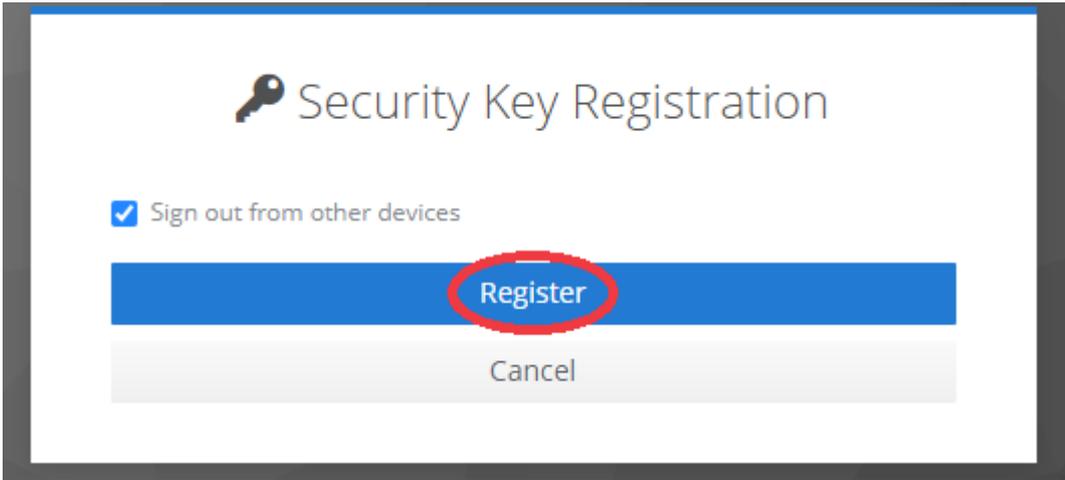
Security key ⋮

Use your security key to sign in.

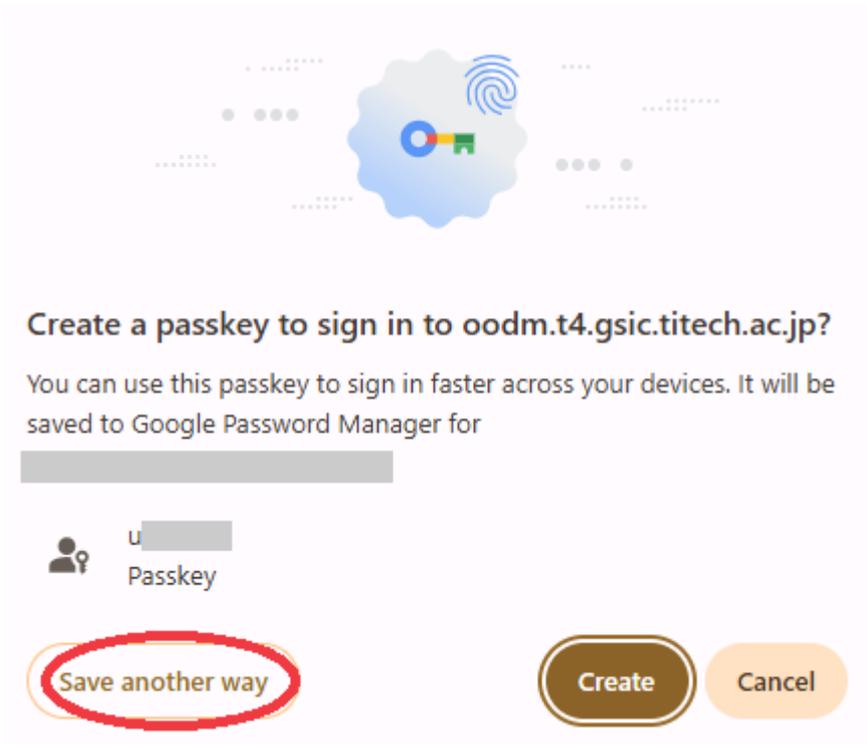
Set up Security key

Security key is not set up.

Press "Register".



A dialog box for setting the security key to log in to the access control server will appear, and press "Save in another way".

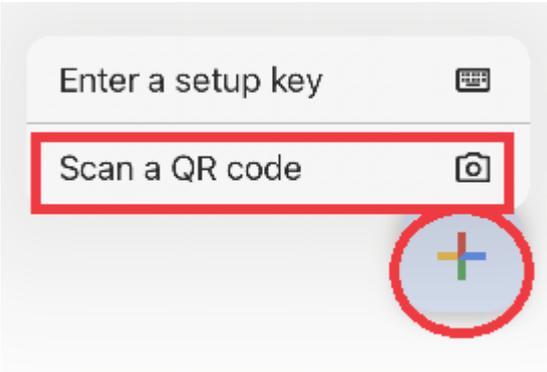


When the QR code appears, read it with the camera of the device to be registered.

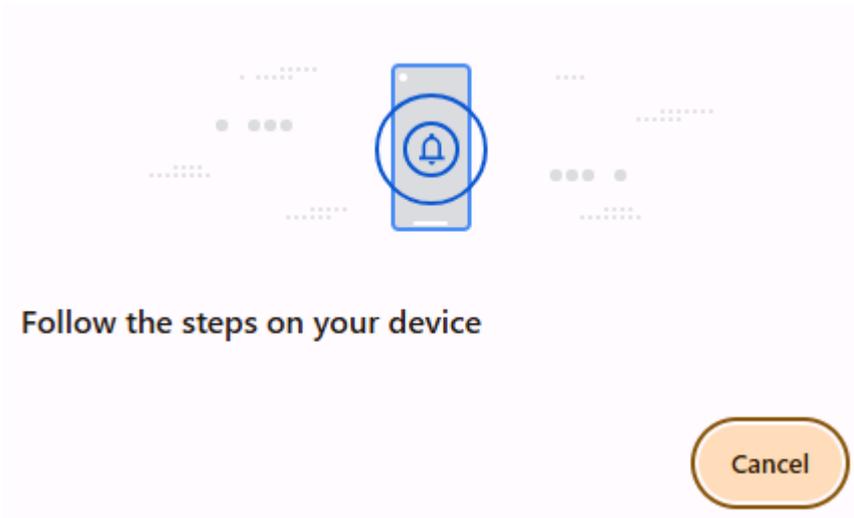


In Google Authenticator on your Android device, press + to "Scan QR Code" or use the device's camera to read the QR code as is.

 On some devices, QR codes do not seem to be recognized correctly when scanned with the camera application. Please scan the QR code from Google Authenticator.



The following message will be displayed and continue with the device.



"Use passkey continue" is displayed in Google Authenticator, press "continue".

And "Create passkey continue" is displayed, press "continue".

Enter PIN code or perform fingerprint authentication.

Then return to the web browser and enter an easy-to-understand arbitrary label, such as the name of the registered device.

 **Info**

Do not include personal information or information that identifies your affiliation in the label name. (User IDs, passwords, PIN codes, PIN numbers, etc., including those used in systems other than TSUBAME.)



If the label is registered with the label name specified in the Security key, the process is complete.

Security key



Use your security key to sign in.

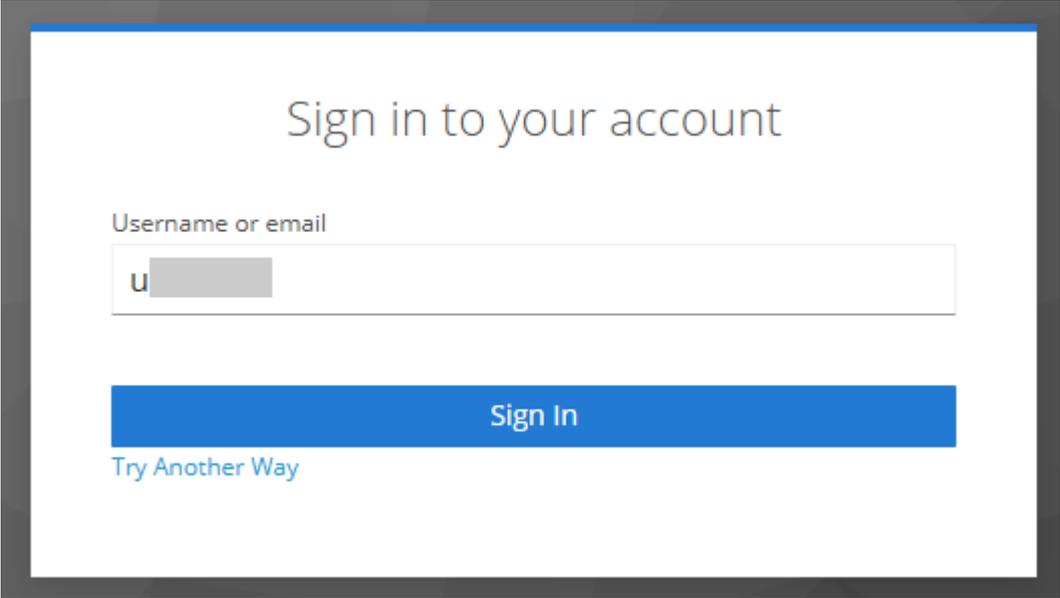
Google Auth (IdeaPad)	Created February 26, 2025 at 2:30 PM	Remove
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2.5. When unable to login to Access Control Server

If you are unable to log in to Access Control Server due to a malfunction or loss of the security device or due to an inconsistency in the linkage, please log in using the TSUBAME user, password, and email authentication.

<https://ood.t4.gsic.titech.ac.jp/>

Enter your TSUBAME login name in Username and press Sign In.



Enter your TSUBAME password in Password and press Sign In.



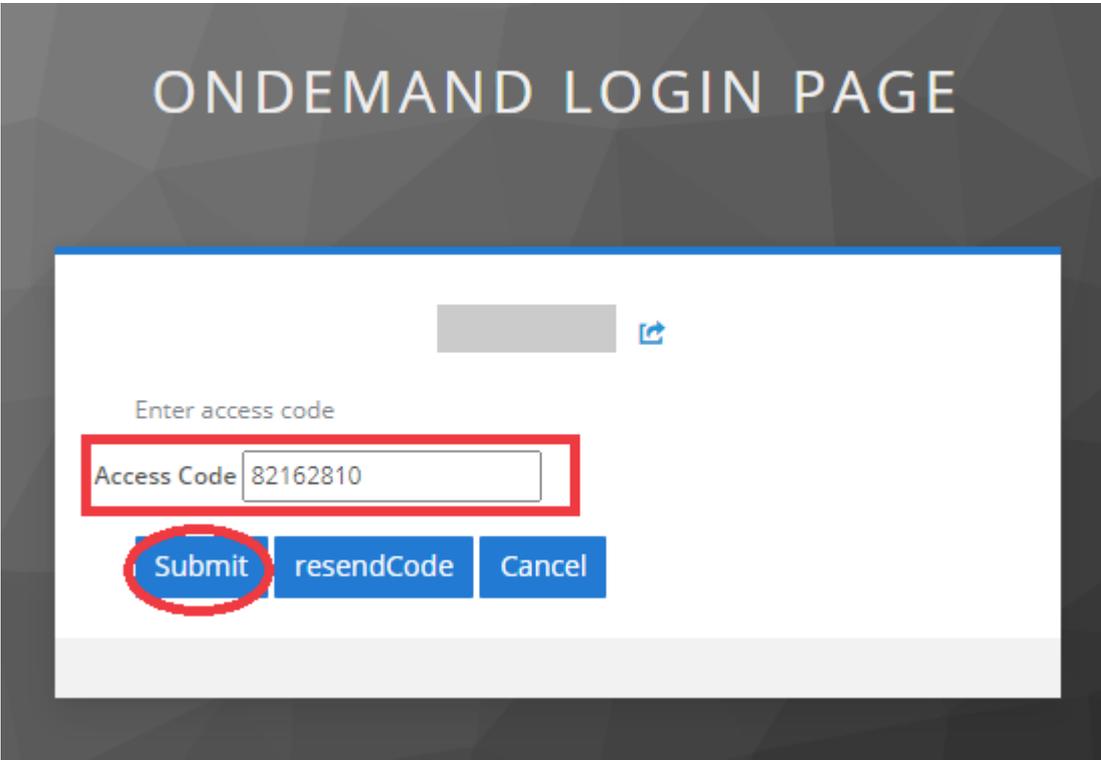
An e-mail with an access code will be sent to the e-mail address registered in the TSUBAME Portal.

ondemand login page access code



Access code: 82162810

Copy the number in the Access code, paste it into the space below, and press Submit.



Info
After a certain period of time, the access code will become invalid. In this case, press "resend code" to reissue the access code.

After logging in to the dashboard, check the security key registered from Signing in, and follow the procedure described in the next section to delete the defective device registration (#device_removal). If multiple devices are registered and the cause of the problem cannot be identified, delete all devices and then re-register them.

2.6. Remove Security devices

From the list of Security keys, press "Remove" on the far right of the security device you wish to remove.

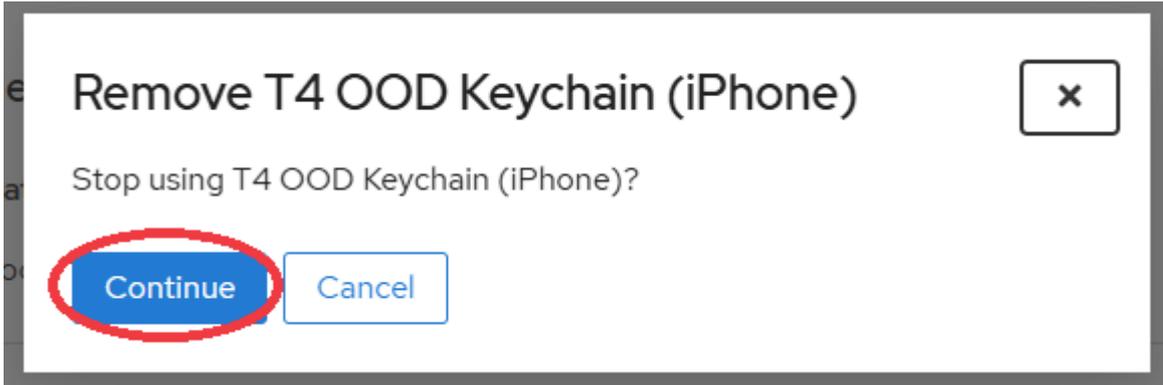
Security key



Use your security key to sign in.

T4 OOD Keychain (iPhone)	Created February 21, 2025 at 11:03 AM	Remove
--------------------------	---	---------------

A confirmation dialog box will appear, press "Continue".

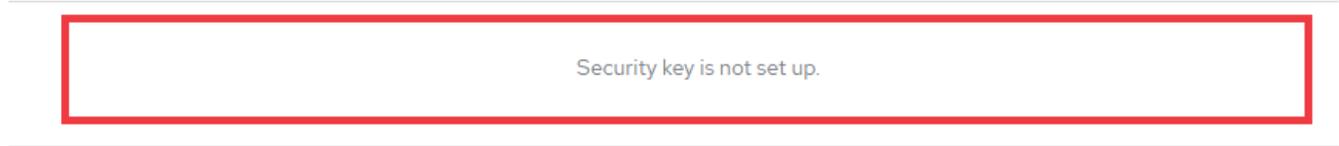


If the corresponding device does not appear in the list of security keys, it has been successfully deleted.

Security key



Use your security key to sign in.



3. How to login

3.1. Login to Open OnDemand

You can login to Open OnDemand login by username/password/email authentication or by using a security device. The method using a security device allows you to log in more quickly than email authentication.

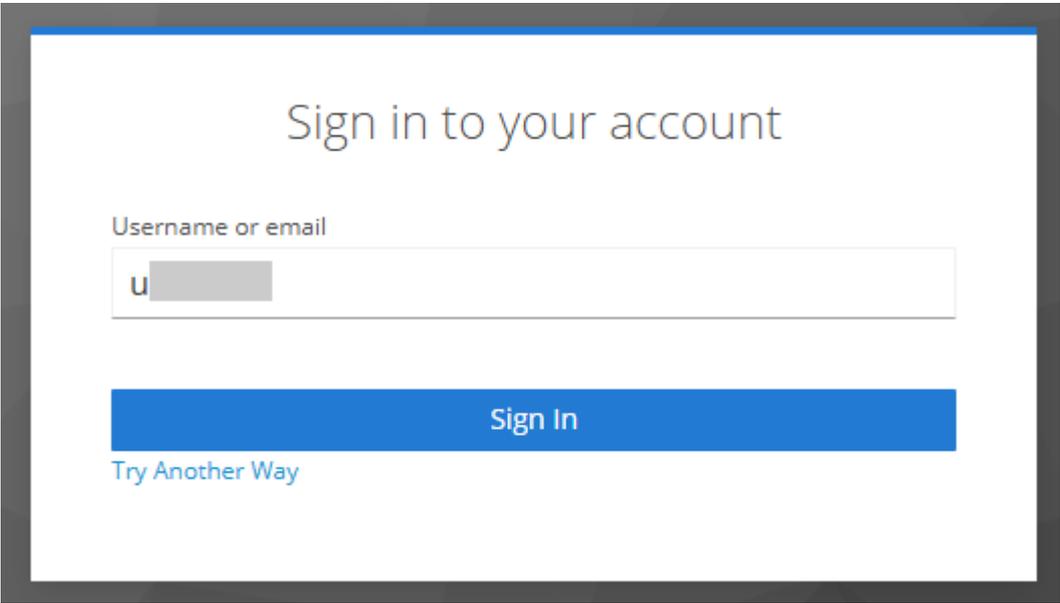
3.2. Login by Username/password/Email Authentication

When logging into Open OnDemand without a security key registered, use username/password/email authentication.

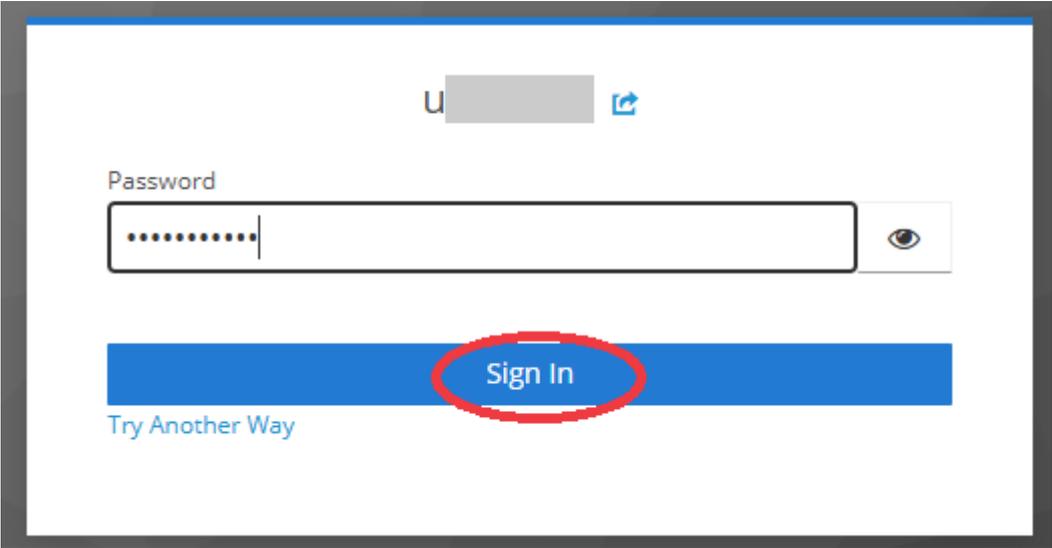
To log in to Open OnDemand, access the following in your web browser

<https://ood.t4.gsic.titech.ac.jp/>

Enter your TSUBAME login name in Username and press Sign In.



Enter your TSUBAME password in Password, respectively, and press Sign In.



An e-mail with an access code will be sent to the e-mail address registered in the TSUBAME Portal.

ondemand login page access code



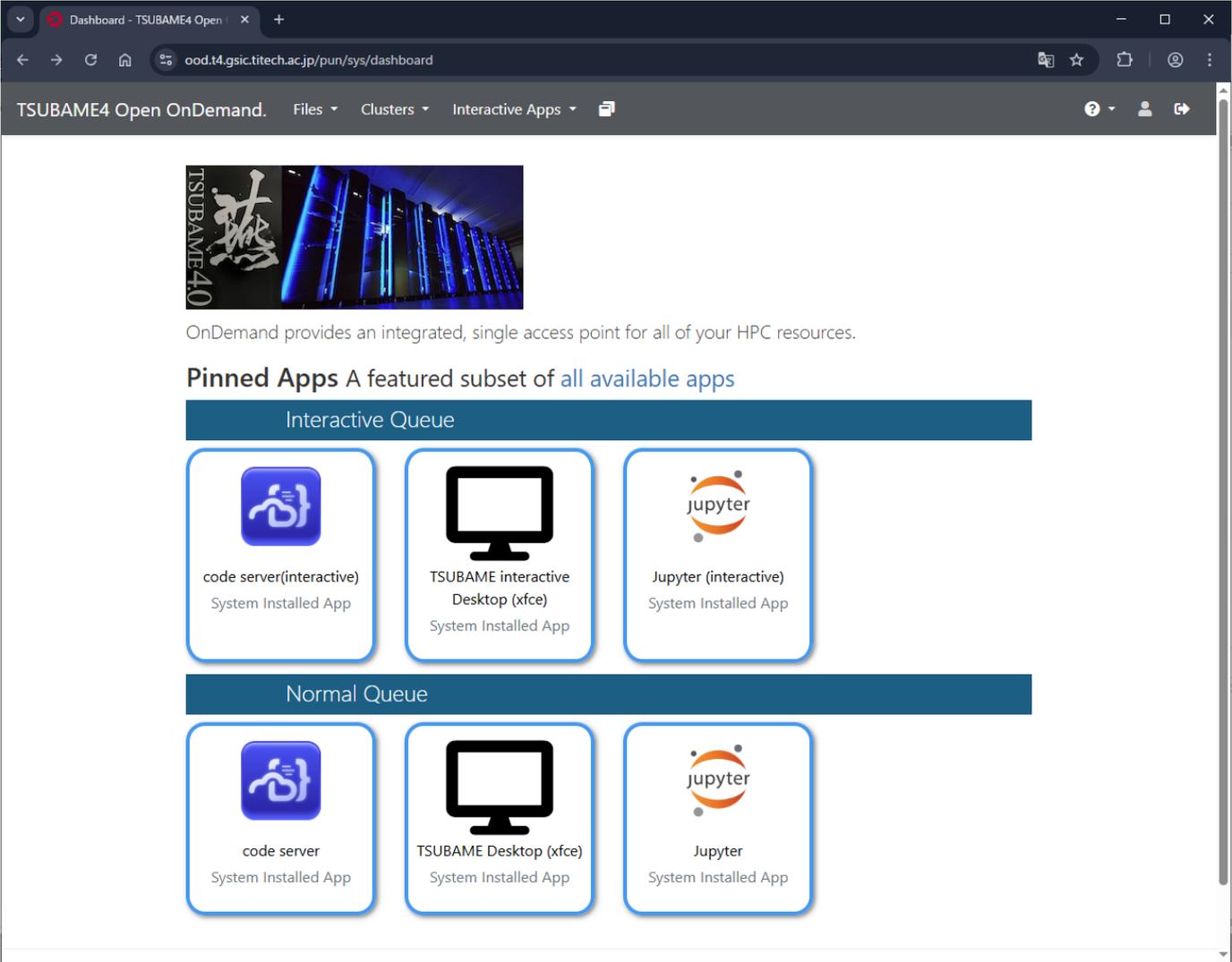
Access code: 82162810

Copy the number in the Access code, paste it into the space below, and press Submit.

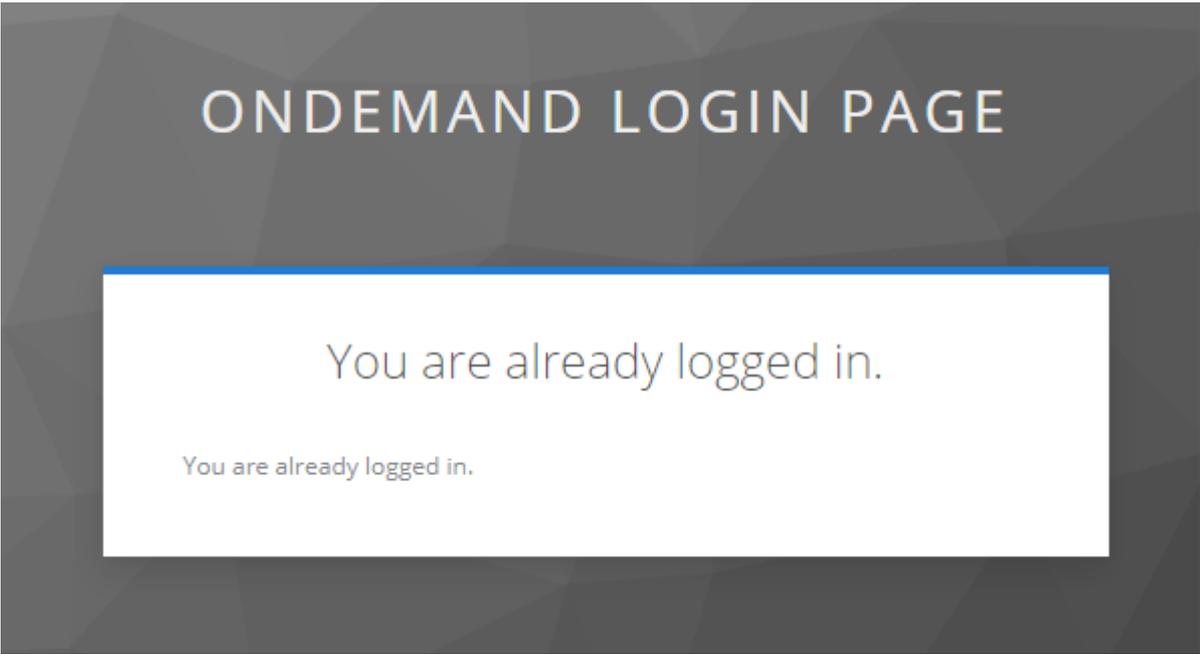
The screenshot shows the "ONDEMAND LOGIN PAGE" interface. At the top, the text "ONDEMAND LOGIN PAGE" is displayed in large, white, uppercase letters against a dark background. Below this, there is a white rectangular area containing the login form. At the top of this area is a grey input field with a blue eye icon to its right. Below that is the text "Enter access code". Underneath is a white input field with the text "Access Code" on the left and "82162810" inside. This input field is highlighted with a red rectangular border. Below the input field are three blue buttons: "Submit", "resendCode", and "Cancel". The "Submit" button is also highlighted with a red oval border.

After a certain period of time, the access code will become invalid. In this case, press "resend code" to reissue the access code.

After successful login, the dashboard will appear.



If you see the error shown below or cannot log in, please access the URL on the top page or dashboard.



Open OnDemand Top page

<https://ood.t4.gsic.titech.ac.jp/>

OOD Dashboard

<https://ood.t4.gsic.titech.ac.jp/pun/sys/dashboard>

3.3. Login by Security keys

If you have already registered one or more security keys on the ACCESS CONTROL SERVER, you can log in by following the steps below.



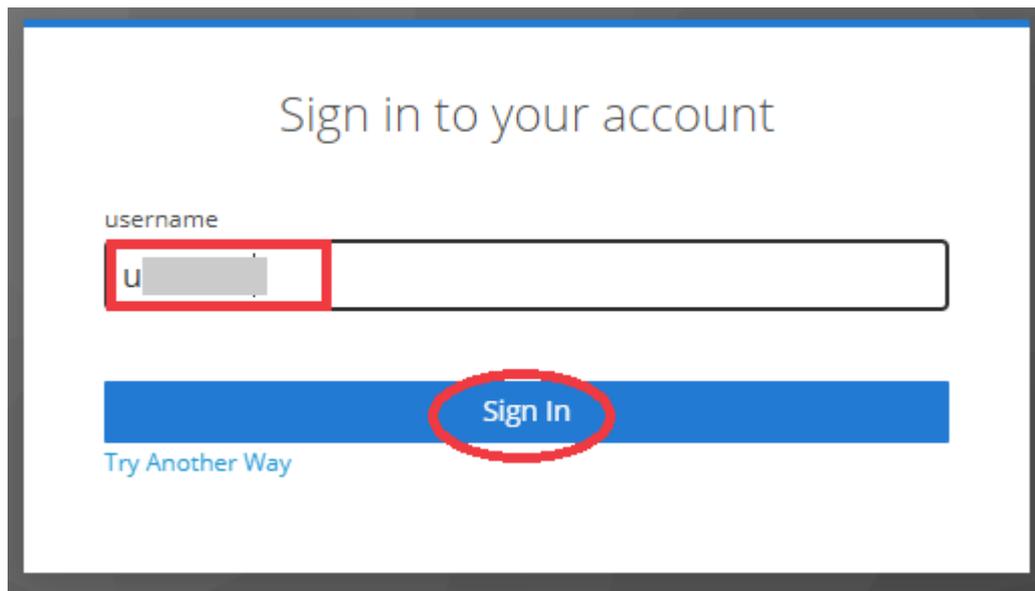
The procedures and screenshots presented in this manual may vary depending on your OS, application version, device, browser settings, and other factors.

If the screenshots do not match the manual, please make your own judgment accordingly.

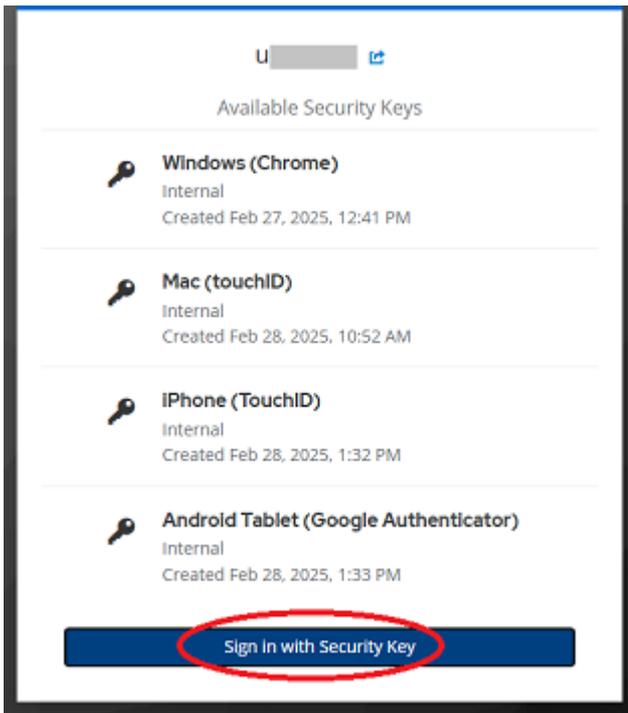
To log in to Open OnDemand, access the following in your web browser

<https://ood.t4.gsic.titech.ac.jp/>

Enter your TSUBAME login name and press "Sign In".

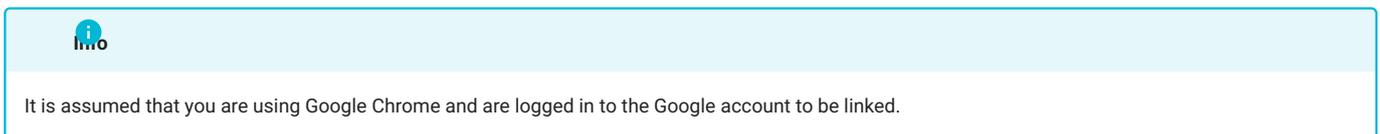


A list of registered security devices will be displayed, press "Sign in with Security Key".

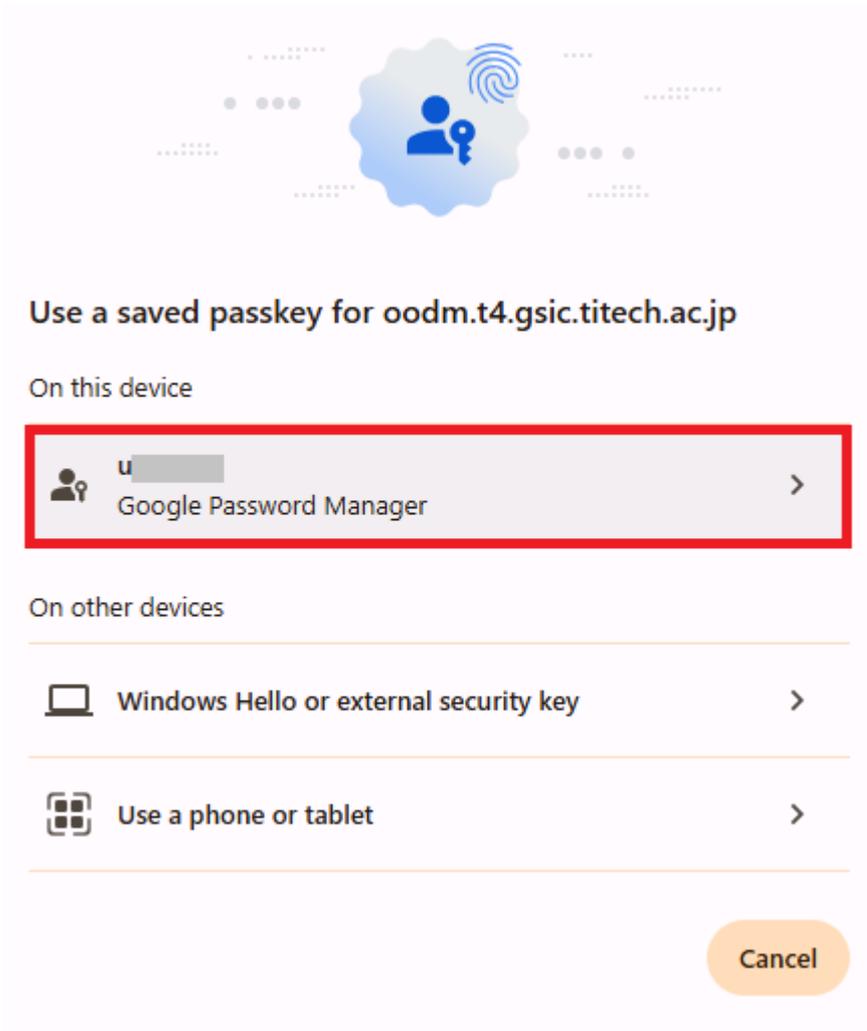


- Login by Chrome/Google Password Manager (Windows)
- Login by Keychain Access (Mac)
- Login by Keychain (iOS)
- Login by Google Authenticator (Android)

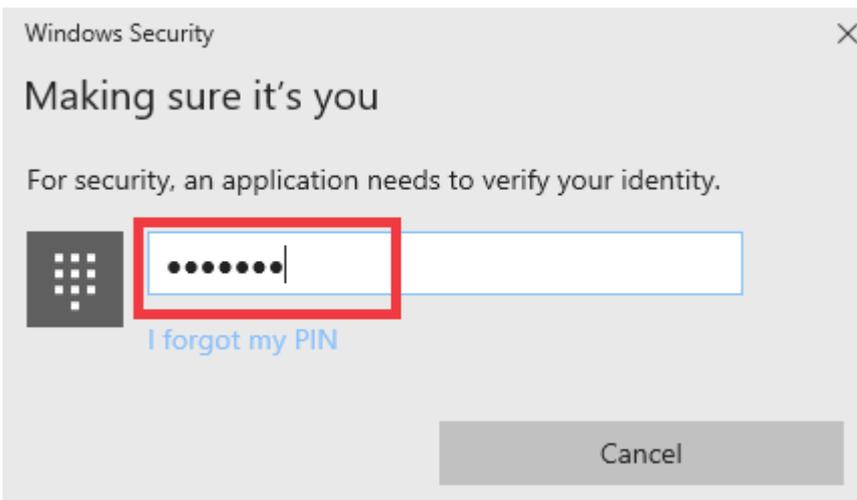
3.3.1 Login by Chrome/Google Password Manager (Windows)



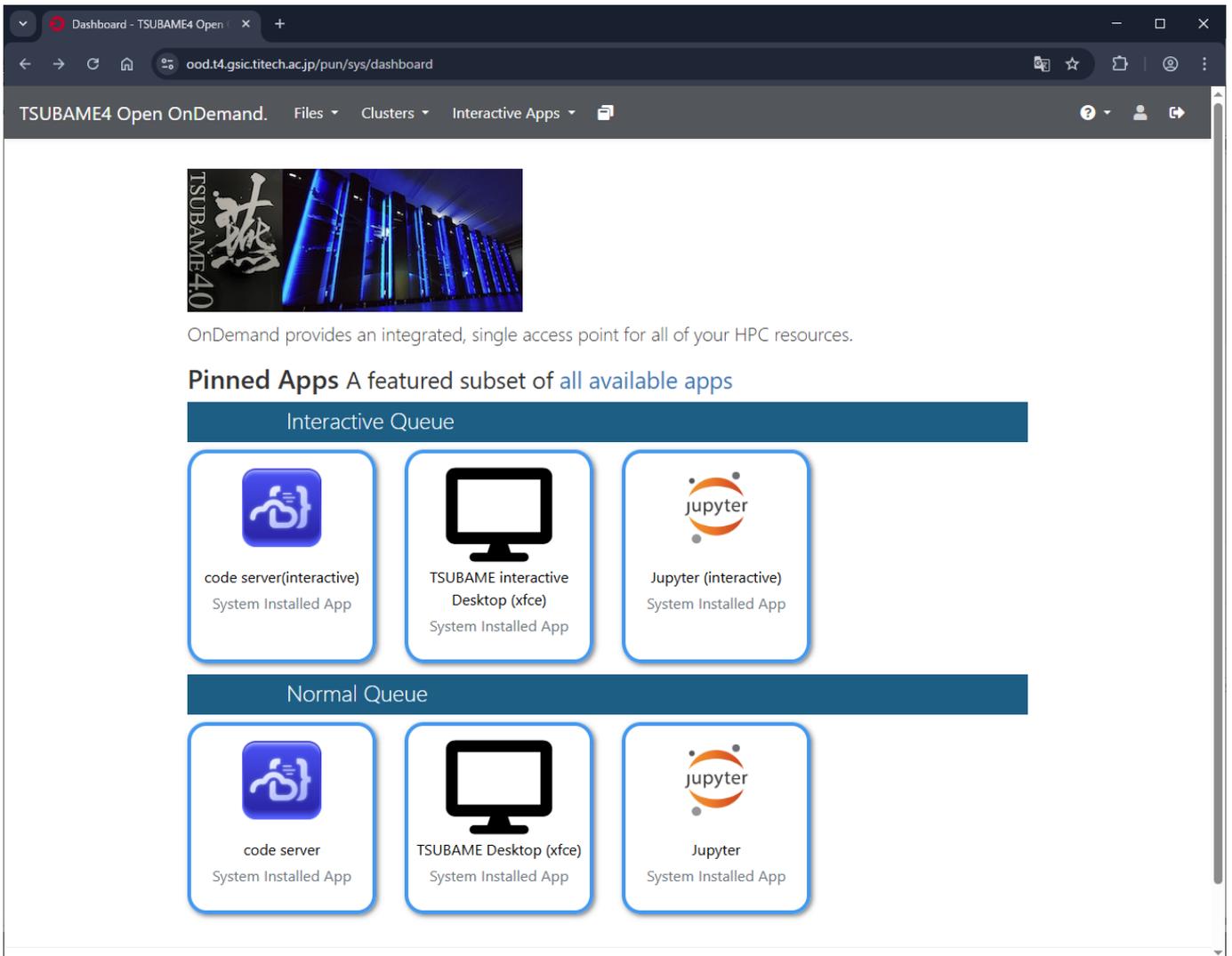
Select "Google Password Manager."



Enter the PIN code.



After successful login, the dashboard will appear.



The screenshot shows a web browser window with the URL `ood.t4.gsic.titech.ac.jp/pun/sys/dashboard`. The page title is "TSUBAME4 Open OnDemand." and it features a navigation menu with "Files", "Clusters", and "Interactive Apps". A banner image at the top left shows the text "TSUBAME40" next to a server rack. Below the banner, a text block states: "OnDemand provides an integrated, single access point for all of your HPC resources." The main content is titled "Pinned Apps A featured subset of all available apps" and is divided into two sections: "Interactive Queue" and "Normal Queue". Each section contains three application tiles, each with an icon, a name, and the status "System Installed App".

TSUBAME40

OnDemand provides an integrated, single access point for all of your HPC resources.

Pinned Apps A featured subset of all available apps

Interactive Queue

- code server(interactive) System Installed App
- TSUBAME interactive Desktop (xfce) System Installed App
- Jupyter (interactive) System Installed App

Normal Queue

- code server System Installed App
- TSUBAME Desktop (xfce) System Installed App
- Jupyter System Installed App

3.3.2 Login by Keychain Access (Mac)

The Touch ID dialog will appear, proceed Touch ID.

 **Sign In**

Cancel



Use Touch ID to sign in?

You will be signed in to "titech.ac.jp" with your passkey for "u[redacted]".



Continue with Touch ID

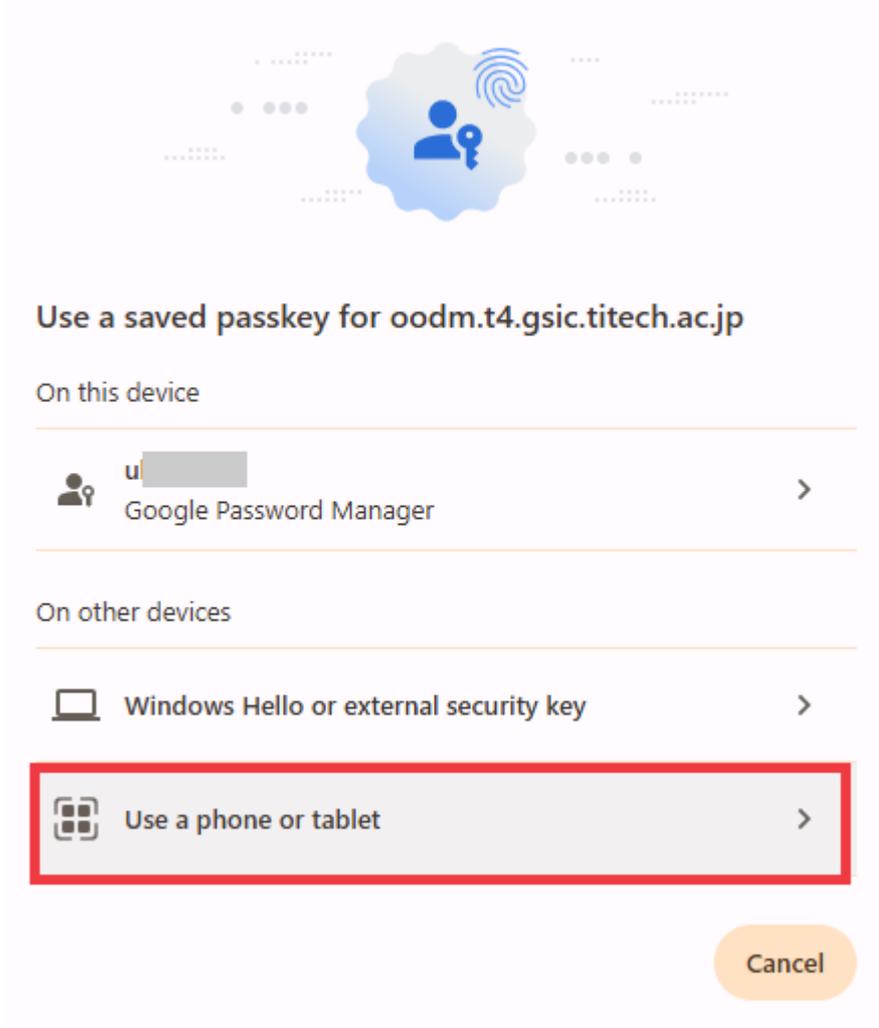
[Other Sign In Options](#)

After successful login, the dashboard will appear.

The screenshot shows a web browser window with the URL `ood.t4.gsic.titech.ac.jp/pun/sys/dashboard`. The dashboard header includes the text "TSUBAME4 Open OnDemand." and navigation menus for "Files", "Clusters", and "Interactive Apps". The main content area features a banner for "TSUBAME40" with a server rack image. Below the banner, a text block states: "OnDemand provides an integrated, single access point for all of your HPC resources." The "Pinned Apps" section is divided into two categories: "Interactive Queue" and "Normal Queue". Each category contains three app tiles: "code server(interactive) System Installed App", "TSUBAME interactive Desktop (xfce) System Installed App", and "Jupyter (interactive) System Installed App". The "Normal Queue" section contains three app tiles: "code server System Installed App", "TSUBAME Desktop (xfce) System Installed App", and "Jupyter System Installed App".

3.3.3 Login by Keychain (iOS)

Select "Use Smartphone or Tablet."



Scan the QR code with your iPhone/iPad camera.

Passkeys



Use your phone or tablet

Scan this QR code with the camera on the device that has your passkey for oodm.t4.gsic.titech.ac.jp



Back

Cancel

Operate Touch ID on iPhone/iPad.



Follow the steps on your device

Cancel

The Touch ID dialog will appear, proceed Touch ID.

A message similar to the one shown below will appear on your iPhone/iPad.

 **Sign In**

Cancel



Use Touch ID to sign in?

You will be signed in to "titech.ac.jp" with your passkey for "u[redacted]".



Continue with Touch ID

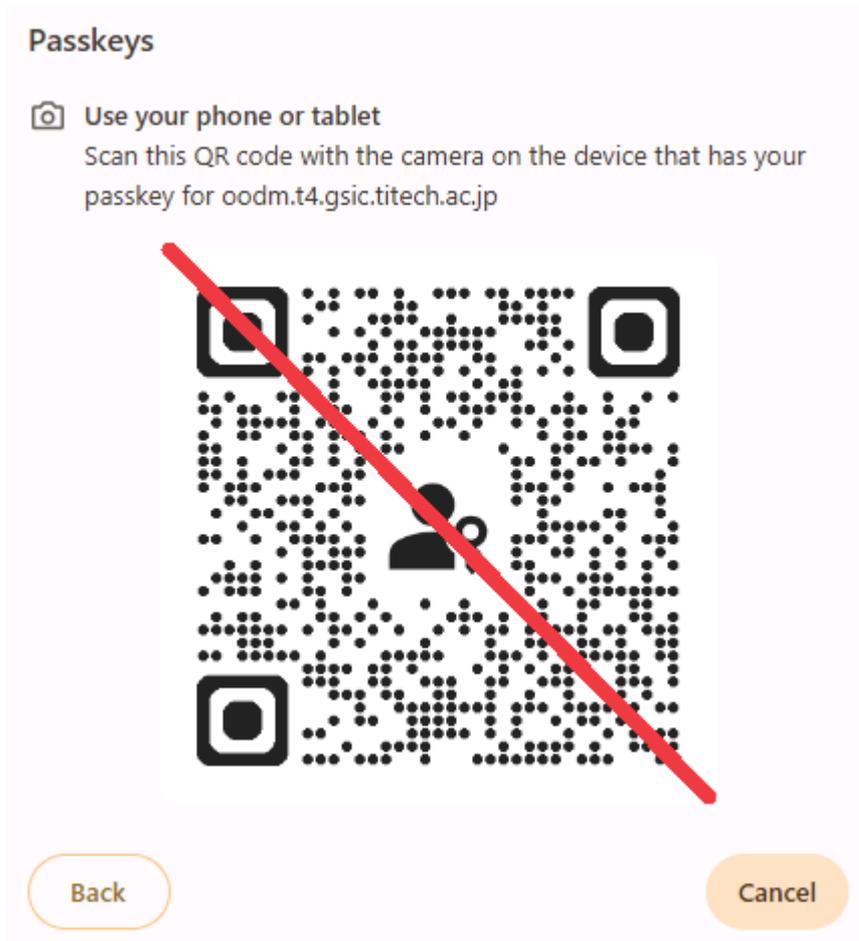
[Other Sign In Options](#)

After successful login, the dashboard will appear.

The screenshot shows a web browser window with the URL `ood.t4.gsic.titech.ac.jp/pun/sys/dashboard`. The dashboard header includes the text "TSUBAME4 Open OnDemand." and navigation menus for "Files", "Clusters", and "Interactive Apps". The main content area features a banner for "TSUBAME40" with a server rack image. Below the banner, a text block states: "OnDemand provides an integrated, single access point for all of your HPC resources." The "Pinned Apps" section is divided into two categories: "Interactive Queue" and "Normal Queue". Each category contains three app tiles: "code server(interactive) System Installed App", "TSUBAME interactive Desktop (xfce) System Installed App", and "Jupyter (interactive) System Installed App". The "Normal Queue" section contains three app tiles: "code server System Installed App", "TSUBAME Desktop (xfce) System Installed App", and "Jupyter System Installed App".

3.3.4 Login by Google Authenticator (Android)

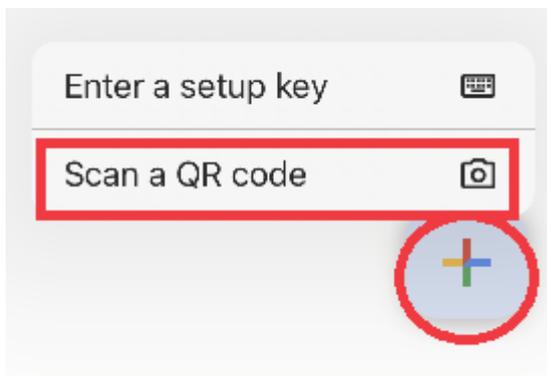
When the QR code appears, read it with the camera of the device to be registered.



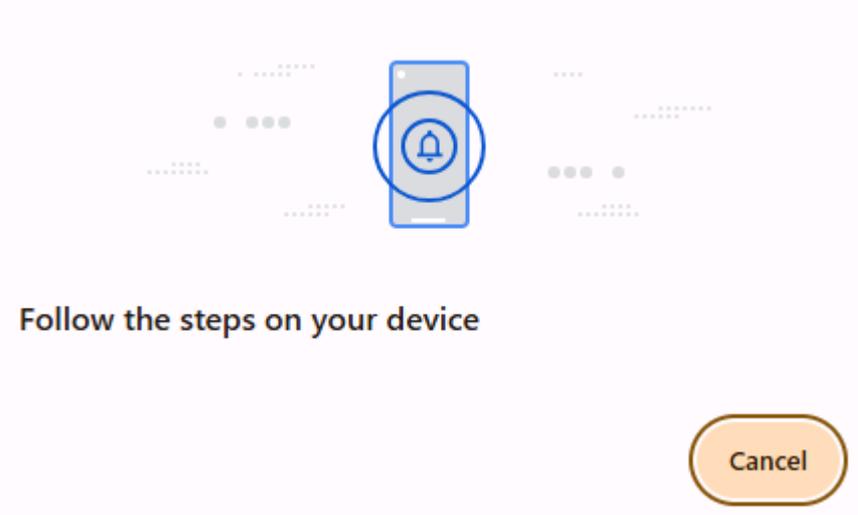
In Google Authenticator on your Android device, press + to "Scan QR Code" or use the device's camera to read the QR code as is.

 imo

On some devices, QR codes do not seem to be recognized correctly when scanned with the camera application.
Please scan the QR code from Google Authenticator.



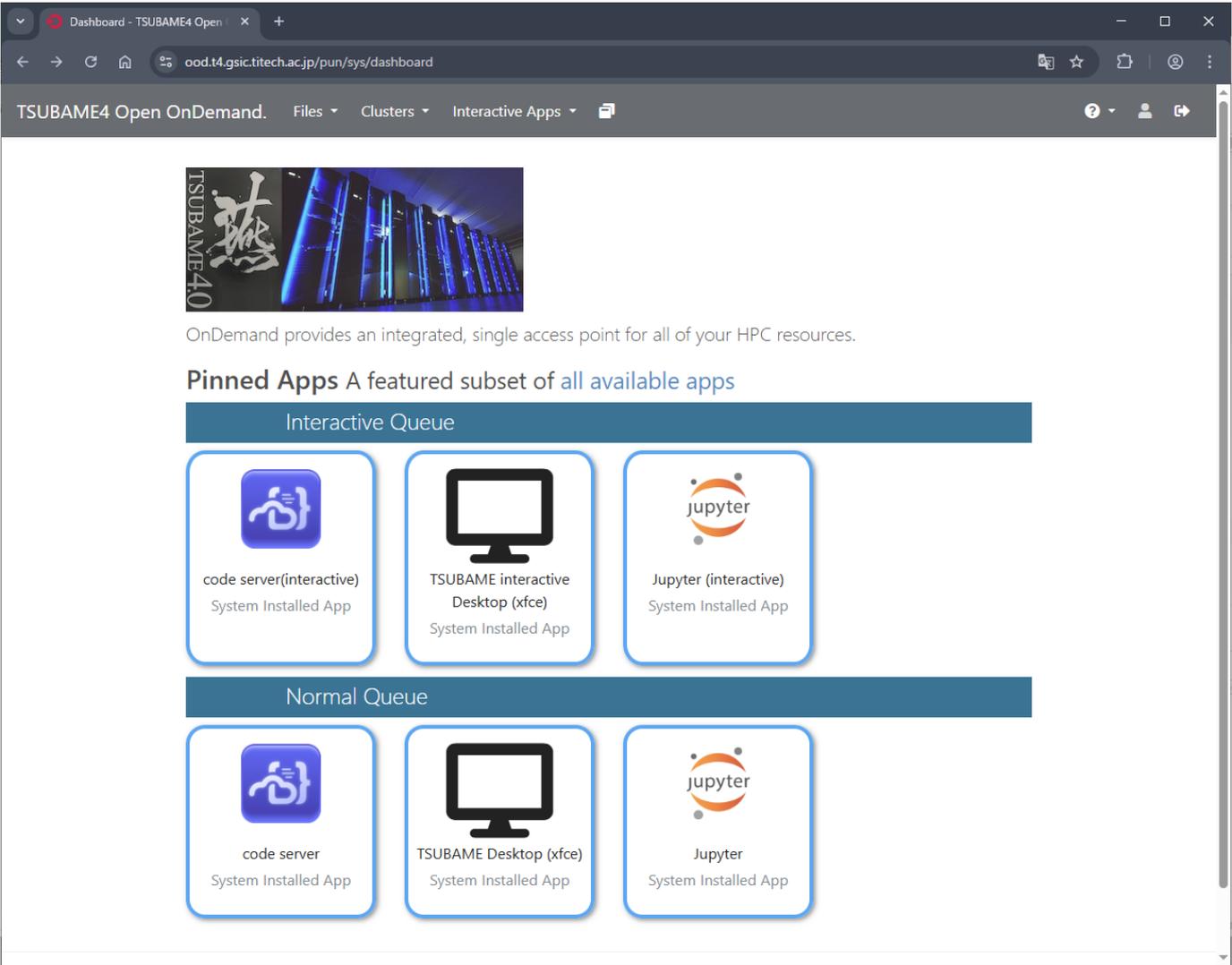
The following message will be displayed, and proceed.



Google Authenticator will display "Use Passkey Continue", press "Continue".

Enter PIN code or perform fingerprint authentication.

After successful login, the dashboard will appear.

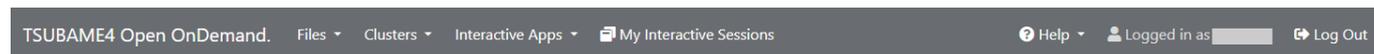


4. Operation of Open OnDemand

This section describes how to use Open OnDemand.

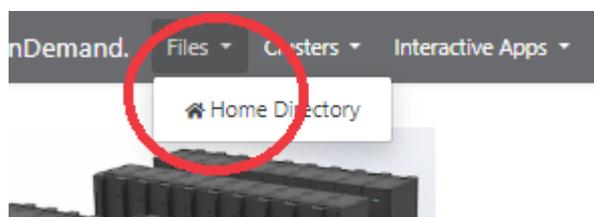
4.1. Screen layout and menu bar

This section explains how to use the menu bar at the top of the screen.



4.1.1. File operations

Select Home Directory from Files on the menu bar to display TSUBAME's home directory.

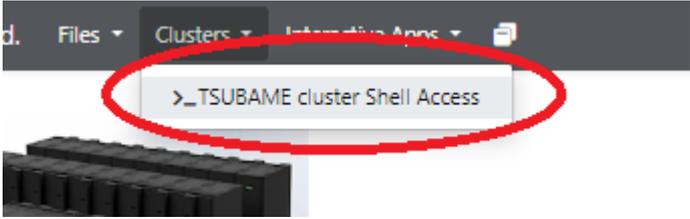


Standard file operations can be performed from the buttons on the screen.

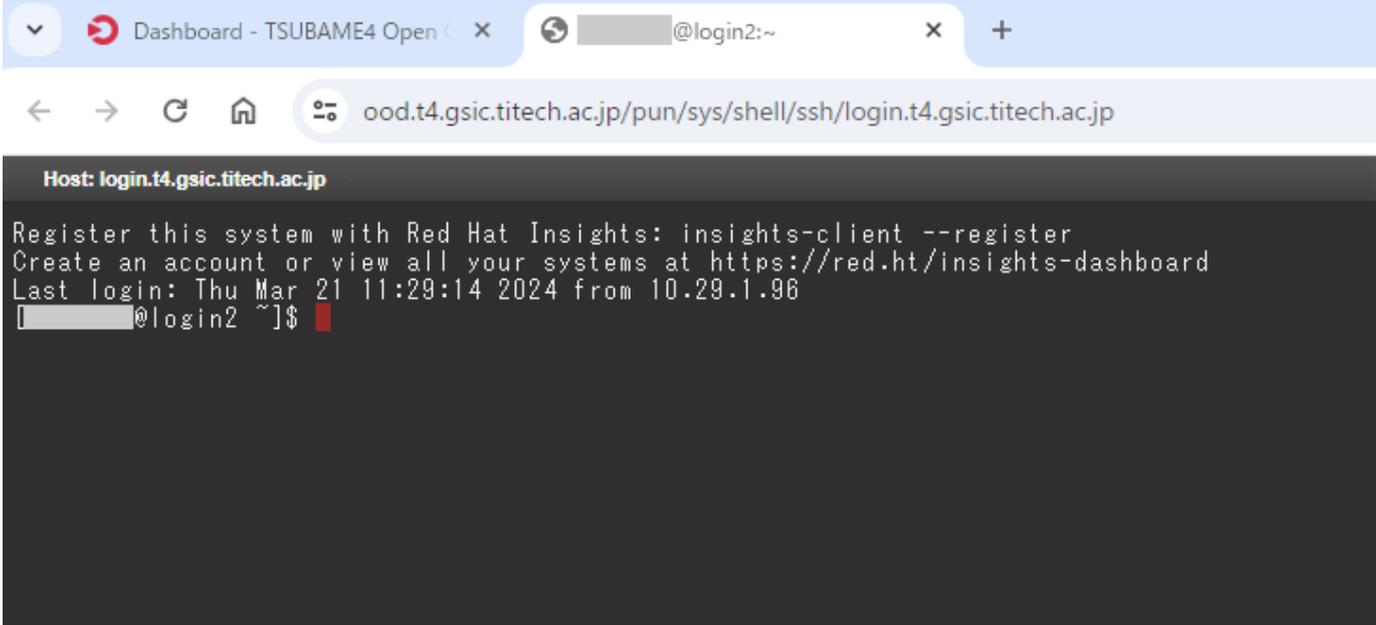
Button	Operation	Description
Open in Terminal	Terminal	Open Tsubame terminal with a new tab
Refresh	Refresh	Refresh directory
New File	File	Create new file
New Directory	Directory	Create new directory
Upload	Upload	Upload a file
Download	Download	Download selected file(s)
Copy/Move	Copy/Move	Copy/Move selected file(s)
Delete	Delete	Delete selected files(s)
Change directory	Directory	Change directory
↑	Directory	Move up to the parent directory
Copy path	Path	Copy current directory's path

4.1.2. Login to Tsubame

Selecting "Clusters > Tsubame cluster Shell Access", you can login to Tsubame with. Multiple terminals can be opened.



To log out of TSUBAME and exit the terminal, type exit and close the browser tab.

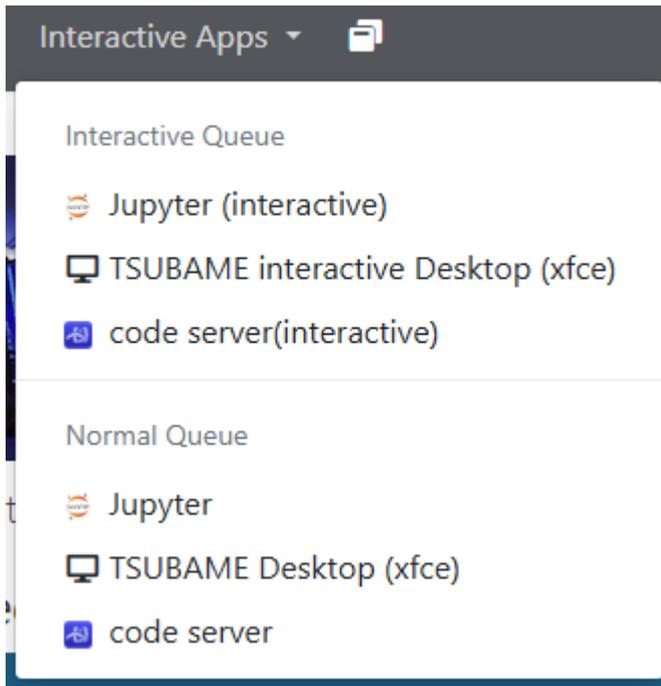


Tips

The terminal will automatically disconnect after a certain period of inactivity. Please click here for a workaround. Session suddenly disconnected while working on TSUBAME4.0

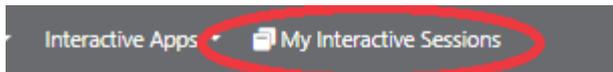
4.1.3. Interactive Apps

For Interactive Apps, please refer to 3.2. Interactive Apps.



4.1.4. Sessions

My Interactive Sessions can display own sessions.



Press Delete for each session to exit the session.

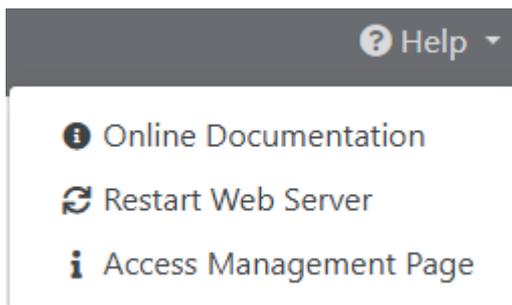


Tips

When the browser is narrower, the My Interactive Sessions string in the menu bar disappears, leaving only the icon display.

4.1.5. Help and Restart

Press Help for manual display and refresh.

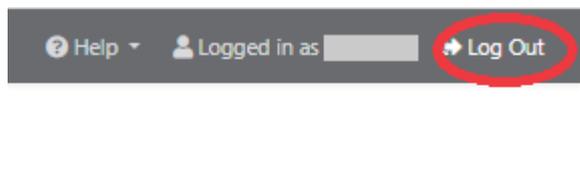


If you have problems with Open OnDemand, try Restart Web Server first.

From "Access Management Page", you can [login to Access Management Server](#).

4.1.6. Logout

To log out of Open OnDemand, press Log Out on the menu bar.



Warning

If you close your browser without pressing Log Out, your Open OnDemand session will remain open for a certain amount of time. If you close your browser without pressing Log Out, your Open OnDemand session will remain for a certain period of time, which may cause problems when you try to log in to Open OnDemand again.

4.2. Interactive Apps

The following three Interactive Apps are available for Open OnDemand in TSUBAME4.0.

- TSUBAME Desktop (xfce)
- Jupyter
- code server

Interactive Apps are further divided into two types according to execution type.

- Use normal compute nodes
- Use a dedicated queue for interactive jobs (* interactive is included in the name)

Differences by execution type are as follows

Execution type	Use normal compute nodes	Use Interactive job queue
Mode of Use	onerous	Free on-campus use , onerous
Resource type	selectable	Interactive job queue only (Assigned resources number of physical CPU cores 24 cores, 96GB memory, 1MIG, but up to 12 people share the same resources.)
Number of nodes	selectable	1 node only
Premium Options	available	not available
Reserving	available	not available

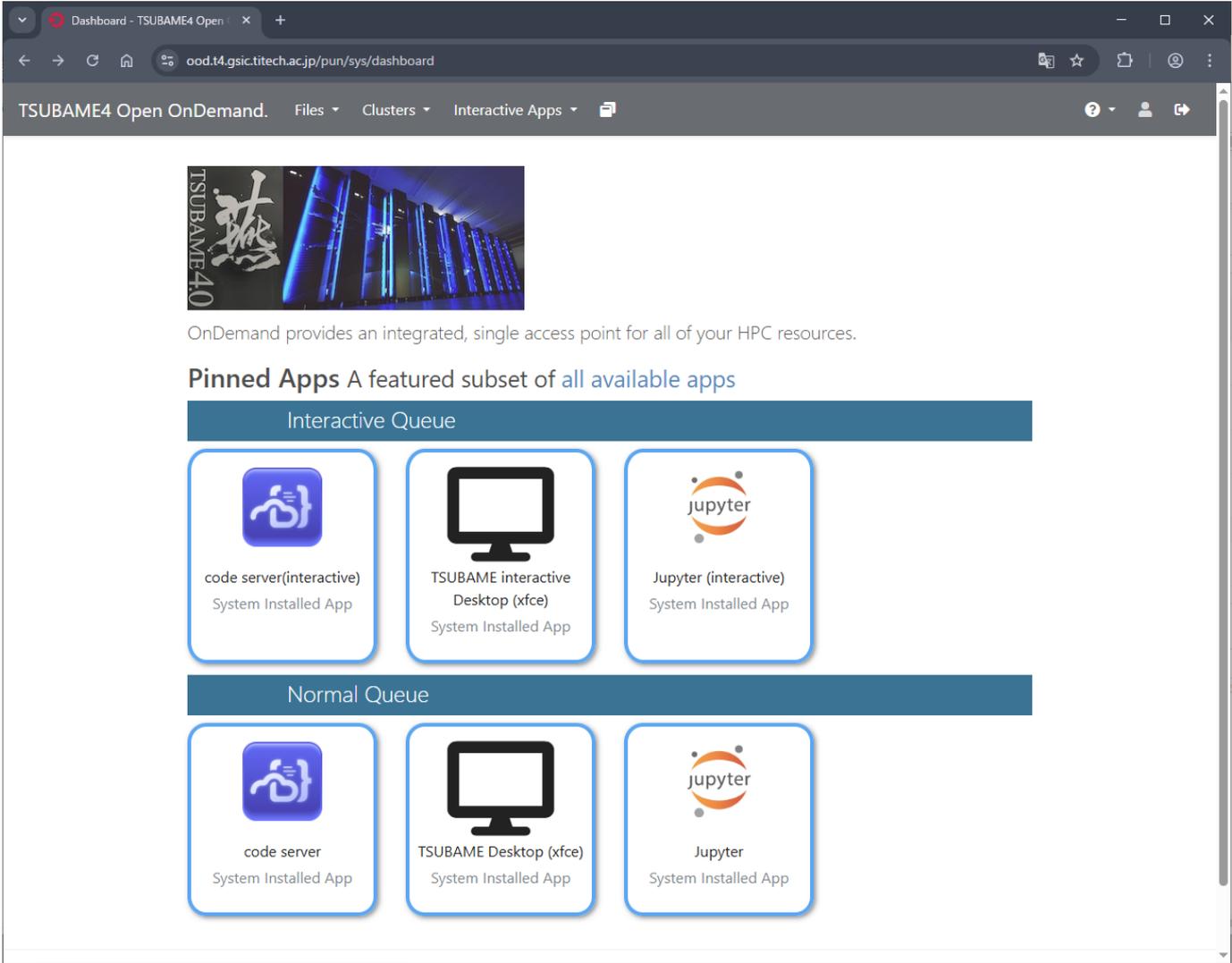
Below are the instructions for using Interactive Apps.



The screenshots shown here are for "TSUBAME Desktop (xfce)".
There is no difference in the settings depending on the application, so please read them accordingly.

4.2.1. Selecting the application/execution type

From Pinned Apps at the bottom center of the screen, click the icon for the application you wish to use.



Go to the environment setting screen.

4.2.2. Environment setting

Set up the environment items and click the Launch button. The request is submitted as a job.

TSUBAME Desktop (xfce)

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

select resource type

If you use reservation, only node_f, node_h, node_q, and node_o are available.

Number of Request resources.

TSUBAME group

Maximum run time(hh:mm:ss)

Specify the job execution time in the format hh:mm:ss. If Trial run is selected for TSUBAME group, the run time should be less than 10 minutes.

Priority Option

Reservation Number (AR ID)

* The TSUBAME Desktop (xfce) session data for this session can be accessed under the [data root directory](#).

TSUBAME interactive Desktop (xfce)

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

TSUBAME group

Maximum run time(hh:mm:ss)

Specify the job execution time in the format hh:mm:ss.

* The TSUBAME interactive Desktop (xfce) session data for this session can be accessed under the [data root directory](#).

Catption	Item	Description
Select resource type	Resource type	Select required resource type
Number of Request resources	number	Required node number
TSUBAME group	group	Select TSUBAME group
Maximum run time(hh:mm:ss)	duration	Set the maximum value for the scheduled usage time (can be terminated midway)
Priority Option	priority	Priority
Reservation Number (AR ID)	ARID	Specify the reservation number (AR ID) when using a reservation



When using Interactive job queue, "TSUBAME group" and "Maximum run time" can only be set.



Interactive job queue is available free of charge only for intramural users (tgz-edu) and access card users. To use Interactive job queue free of charge, **please specify "Free" in the "TSUBAME group" field.** Please note that if you specify a group, you will be charged for the target group.



The only resource types for which reservations can be used are node_f, node_h, node_q, and node_o.

select resource type

node_o (1/8 node) ▼

node_f (1 node)

node_h (1/2 node)

node_q (1/4 node)

node_o (1/8 node)

gpu_1

gpu_h

cpu_160

cpu_80

cpu_40

cpu_16

cpu_8

cpu_4

4.2.3. Launching Applications

The request is submitted as a job, and when the specified resource is allocated, the session is set to Running. If it is Queued, it is waiting to be executed, so wait a while before checking the status.

<p>TSUBAME Desktop (xfce) (1116215) Queued</p> <p>Created at: 2024-09-17 14:22:28 JST Delete</p> <p>Time Requested: 1 hour</p> <p>Session ID: e8cf9f33-8c50-4ffb-b6b2-2e673548c438</p> <hr/> <p>Please be patient as your job currently sits in queue. The wait time depends on the number of cores as well as time requested.</p>	<p>TSUBAME Desktop (xfce) (1116454) 48 cores Running</p> <p>Host: r21n3 Delete</p> <p>Created at: 2024-09-17 14:56:08 JST</p> <p>Time Remaining: 59 minutes</p> <p>Session ID: 5903d9a3-afa7-4bbb-9b13-58abe907c62e</p> <hr/> <p>Compression 0 (low) to 9 (high) ● Image Quality 0 (low) to 9 (high) ● </p> <p style="text-align: center;"> Launch TSUBAME Desktop (xfce) View Only (Share-able Link) </p>
--	--

Once the session is Running, click "Launch **app name**" to launch the application.

i
Info

Compression" and 'Image Quality' are only displayed in TSUBAME Desktop (xfce).

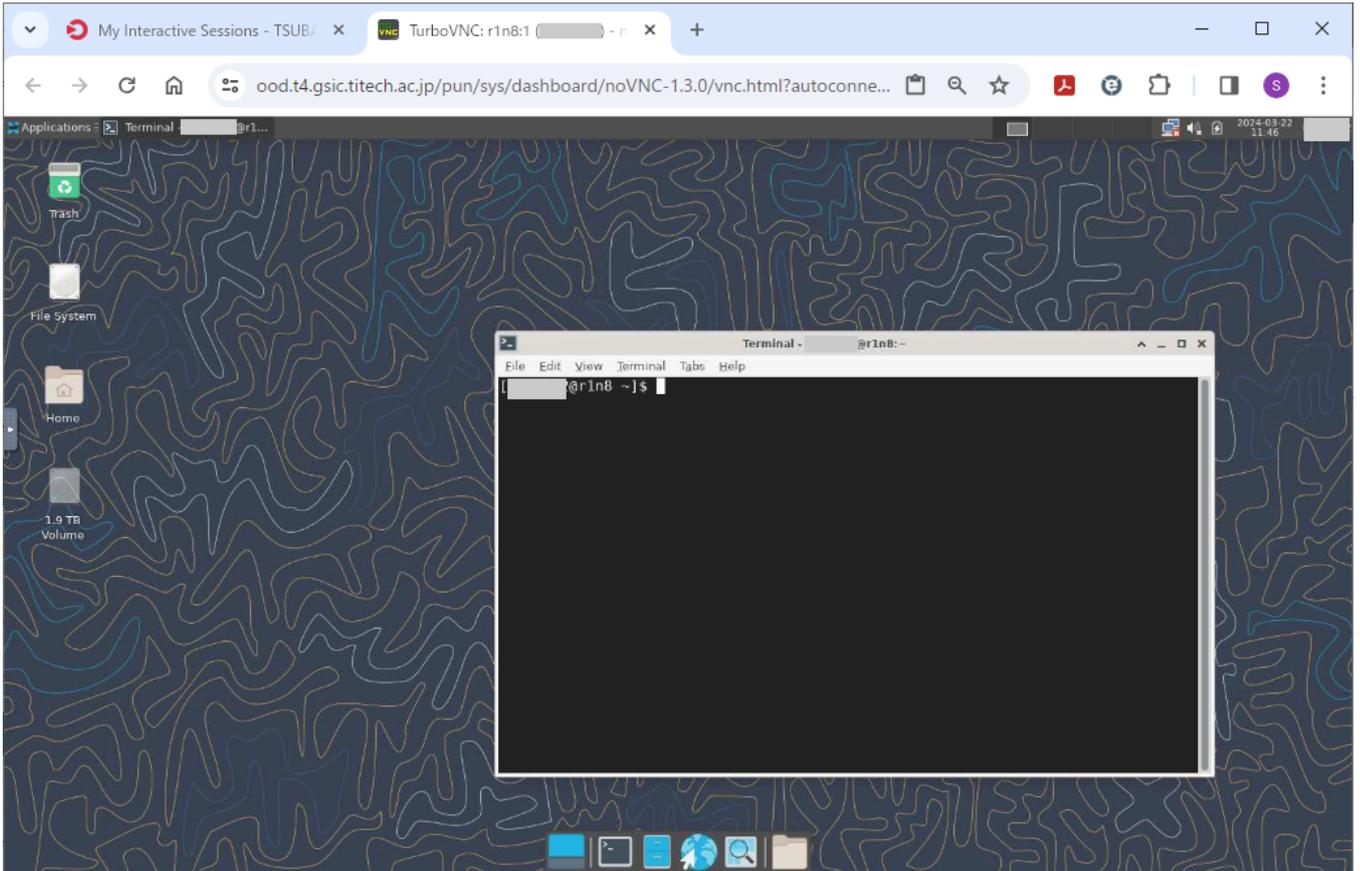
i
Info

Pressing View Only (Share-able Link) opens a copy of the X desktop in a new tab. You will not be able to control the screen, but you will see a mirrored display of the previous desktop. By sending the URL of this tab via e-mail or other means, you can simply share or monitor the screen.

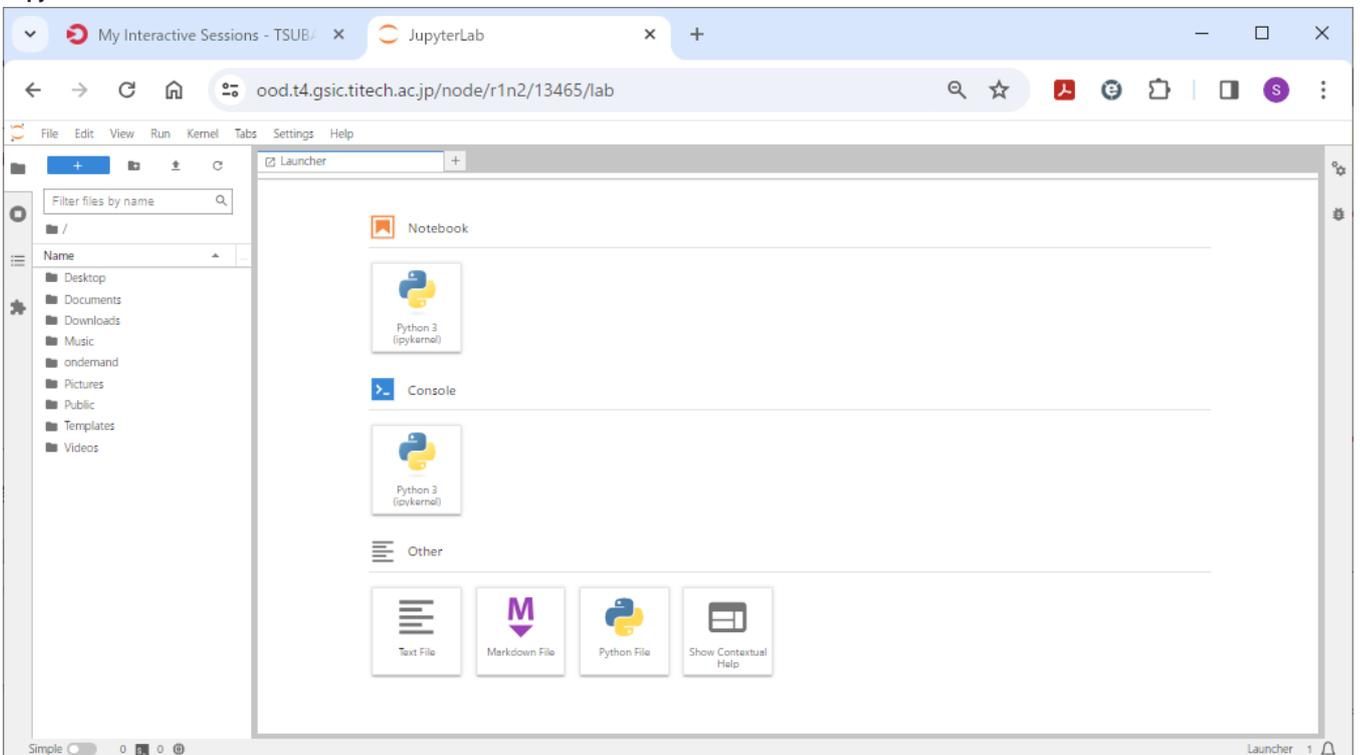
⚠
Warning

OpenOnDemand will reserve computing resources even when the application is not in use, as long as the session is running, and will be eligible for TSUBAME Point payments. From the viewpoint of effective use of resources, please **delete the session** manually when you finish using the application.

Below are the initial screens of each application (there is no difference depending on the execution type). Please refer to the official website for details on how to use these applications.

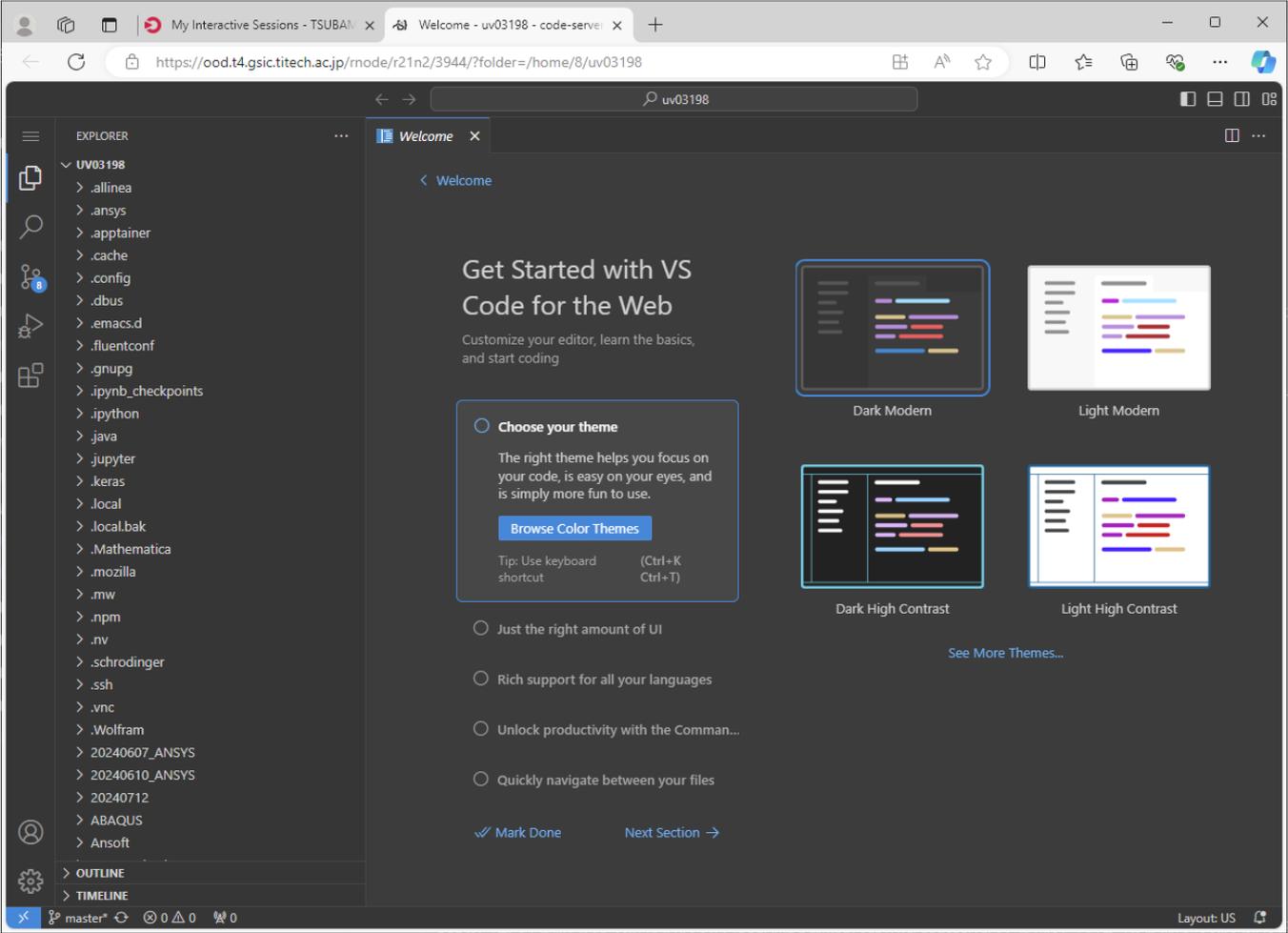
• TSBAME Desktop (xfce)

official website : <https://www.xfce.org/?lang=en>

• Jupyter

official website : <https://jupyter.org/>

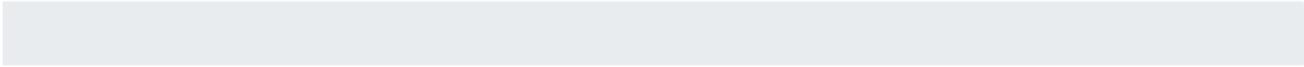
code server



official website : <https://coder.com/docs/code-server>

4.2.4. Deleting a session

To exit the X desktop, close the browser tab and Delete the session from the session list. Once closed, the session will be marked as Completed. The session will also be marked as Completed when the specified usage time has elapsed. Sessions that have been marked as Completed will be automatically deleted from the list after a certain period of time.



TSUBAME Desktop (xfce) (1297)	Completed
Created at: 2024-03-22 11:40:09 JST	
Session ID: f8bacefd-027f-4923-a796-3c2fabae7c04	
For debugging purposes, this card will be retained for 6 more days	