

# SFC CNS GUIDE 2023

-English Edition-

Shonan Fujisawa Information Technology Center  
Keio University

# Preface

SFC-CNS was established to provide SFC students and faculty with a state-of-the-art computer network environment at a time when almost all universities in the world did not yet have internet access. Since then, it has evolved to support various activities at SFC, incorporating new technologies as they became available, even after the internet became commonplace in the world. It is an open distributed computing environment in which a wide variety of devices, from UNIX, Mac, and Windows computers to high-performance servers, manufacturing, and music equipment, are connected, allowing users to exercise their creativity. If you can use these devices to their fullest extent, you can do a great many things. If you don't know how to use them, you can only accomplish ordinary tasks.

This is the same as the difference between using 100 different tools to create something and using only scissors to build something. I hope you will enjoy the fun and power of information technology by using more and more devices as tools.

This book is essential for SFC students because it contains a lot of information necessary to use SFC-CNS properly. Since many classes are offered online and it remains difficult to ask questions at ITC or the CNS consultant booth in-person due to the coronavirus pandemic, this book remains important for students as a source of important information regarding CNS. SFC-CNS is connected to the world. As a result, you need to protect your own computers, smartphones, and other devices connected to SFC-CNS by yourself. Please deepen your knowledge of information technology and learn how to use computers safely. This is the same as using knives, scissors, or other sharp tools without getting hurt or causing injury to others.

In particular, please be sure to learn the following social ethics and apply them correctly.

- Respect copyright and other intellectual property rights. Never plagiarize documents or copy software illegally.
- Respect the files and information of others. Respect other people's files, information, and privacy. Do not browse files that are not intended for you, even if they are visible to you.
- Understand that SFC-CNS is a system for education and research. Do not use it for any other purpose.
- Do not access computers that you are not authorized to use.
- Do not post derogatory comments or slander on SFC or other organization's web sites or web applications. Do not send slanderous or defamatory e-mails to others. Never send slanderous e-mails or chain e-mails, and if you do receive them, do not relay them.
- When creating web pages, be aware that anyone in the world can read the content. When creating web pages, respect the rights of others and do not infringe on the rights of others by publishing images, audio files, videos, or other content illegally.
- Do not do anything that may cause trouble to others.

If you have any questions or other concerns, please consult with the Shonan Fujisawa Information Technology Center (ITC). SFC-CNS is operated by students and faculty members working together to create the best learning and research environment for themselves. After learning the basics of SFC-CNS through this manual, please refer to the ITC website to learn how to use the system in more depth. I hope that you will be actively involved in the operation of SFC-CNS to bring it to a new level.

ITC established an editorial committee to decide the contents, write, edit, and proofread this document. The editorial committee members are mainly students who are users of SFC-CNS, and students play a major role in the production of this publication. The editorial committee is composed mainly of students who are users of SFC-CNS, so students play a major role in this project. The committee also considers opinions on the versions published to date and questions about SFC-CNS sent to ITC.

Finally, I would like to express my deepest gratitude to all those who assisted with the production of this year's edition by organizing the materials and checking the contents. I would also like to thank the many people who have been involved with the SFC CNS Guide to this point in time.

Shonan Fujisawa Information Technology Center (ITC) Director  
Jin Nakazawa

**SFC CNS GUIDE Editorial Committee**

Staff

Shonan Fujisawa ITC

# Contents

## 1 Start Up

What is SFC-CNS? . . . . .	8
Websites You Can Use on Campus . . . . .	10
Access Content Only Available on Campus from Outside . . . . .	13

## 2 Wireless LAN

About the Wireless LAN Environment on Campus . . . . .	16
Connecting Your PC (Windows 11) to CNS . . . . .	17
Connecting Your Mac (macOS) to CNS . . . . .	27
Connecting Your iOS Device to CNS . . . . .	32
Connecting Your Android Device to CNS . . . . .	39
Connecting Your Device to Wireless LAN Using "eduroam" . . . . .	47
Connecting Your Device to Wireless LAN Using "keiomobile2" . . . . .	49
Connecting Your Device to CNS by EAP-PEAP Authentication . . . . .	50

## 3 CNS Mail

Using Your CNS Mail Account . . . . .	54
Checking Your CNS Mailbox from On-Campus Computers . . . . .	55
Configuring Your CNS Mail on Your PC (Windows 11) . . . . .	56
Configuring Your CNS Mail on Your Mac (macOS) . . . . .	60
Configuring Your CNS Mail on Your iOS Device . . . . .	63
Configuring Your CNS Mail on Your Android Device . . . . .	69
Various Settings in CNS Mail . . . . .	74

## 4 CNS Printers

Using Printers at SFC	78
Printing from On-Campus Computers	85
Printing from Your PC (Windows 11)	87
Printing from Your Mac (macOS)	90
Printing from Your iOS	92
Printing from Your Android	94
Printing from web print	98

## 5 Antivirus

Protecting Your Computers from Security Threats	102
Installing Antivirus Software on Your PC (Windows 11)	103
Installing Antivirus Software on Your Mac (macOS)	108
How to Update Your Windows / macOS System	116

## 6 CNS Servers

Using CNS Servers	120
Remote Access to CNS Servers	121
Transferring Files to CNS from Your PC (Windows 11) with WinSCP	131
Transferring Files to CNS from Your Mac (macOS) with Cyberduck	135
Publishing Files on the Web	137

## 7 FAQ

Services that Require Pre-registration	144
Using Microsoft 365 Apps	146
How to Change Account Passwords	147
Troubleshooting	151
Troubleshooting of On-Campus Macs	153
How to Check a PC's Operating System	156
SFC-CNS Technical Support Services	157

## 8 Appendix

Terms of Use	160
Rules of Using On-Campus Computers	161
List of Available Equipment on Campus	162
Copyright Rules and Claims	163

## COLUMN

About VPN	13
Threats on the Web	115
About Keio ID and Keio Apps ID	141
Tips for Creating Stronger, More Secure Passwords	150

# 1

## Start Up

Introduction to SFC-CNS and other frequently used websites

What is SFC-CNS ?	8
Websites You Can Use on Campus	10
Using SOL	10
keio.jp	11
Other Websites	12
Access Content Only Available on Campus from Outside	13

## 1

## What is SFC-CNS ?

## 01 What is SFC-CNS?

SFC-CNS stands for Shonan Fujisawa Campus - Campus Network System. A network is a web of interconnected computers that share information resources, which is an integral part of our society. CNS is the network system that supports academic life of Shonan Fujisawa Campus.

Network system resources available for your use are delivered in different forms, including wireless network access points, various web systems, and many other resources. CNS is the overall environment of all shared network resources for students, faculty, and staff at SFC.

On campus, there are a number of computers connected to CNS for research and educational purposes. All students, faculty, and staff on campus are free to use the shared resources through these computers installed on campus or on your personal computers.

## 02 What is an "Account"?

Many people at SFC use CNS. Those who use the system are called "users," and their privileges to use CNS are called "accounts."

Accounts on CNS are assigned to students, faculty, and staff in the Faculty of Policy Management, Faculty of Environment and Information Studies, Faculty of Nursing and Medical Care, Graduate School of Media and Governance, and Graduate School of Health Management, according to the CNS Terms of Use (refer to [p.160 : Terms of Use] ).

If you would like to obtain a CNS account but are not a student, faculty, or staff of the five departments listed above, you can view details about applying for a CNS sub-account by viewing at the "Information for Students at Other Campuses" page of the Shonan Fujisawa Information Technology Center (ITC) website: ⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/other\\_campus\\_sfc.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/other_campus_sfc.html)

\* If you are only taking correspondence courses or foreign language courses, you are not eligible to receive a CNS account.

In order to identify users and manage the security of CNS, all students on campus are provided with a CNS account. A CNS account has a uniquely assigned login name and a password. The login names of undergraduate students contain the user's faculty, enrollment year, and initials.



## 2

## Websites You Can Use on Campus

## Using SOL



## 01 What is SOL?

SOL is the SFC's class management system. You can view class information, submit assignments, and check class materials. Please access from the following URL.

⇒ <https://sol.sfc.keio.ac.jp/>

Please enter your CNS login name in ❶, and your CNS login passwords in ❷, and click ❸ "Login".



## 02 Using SOL

You can check your courses on the "Dashboard" which appears when you click on the ❶ icon. By clicking on the name of the course, you will be able to view the class page for each course, check the course content, download lecture materials, and submit assignments.



## 03 Checking your syllabus

You can view the syllabus for all courses offered at SFC by selecting "All Courses" from the "Courses" menu, which appears when you click on the "Inbox" icon.



## 04 Communication on SOL

Through SOL, you can receive communications from your course instructors and send questions. Click on the icon "Inbox" to see the messages you have received or to create a new message.

## keio.jp

### 01 What is keio.jp?

Keio.jp is the identity management platform used in Keio University. The system can also be used to obtain student software licenses.

⇒ <http://keio.jp/>

You must set up and activate your keio.jp account on the keio.jp registration web site.

After activating your account, type your keio.jp ID in ❶ "ID" and your keio.jp password in ❷ "Password." Then, click ❸ "Login."

If there are any questions about the activation of keio.jp account, please contact Shonan Fujisawa ITC (For contact details, please refer [p.157 : SFC-CNS Technica Support Services] .)



### 02 Use keio.jp

On keio.jp, you are free to download licenses for software, and browse through various research journals and publications.

The software licenses that students are allowed to use are listed on [p.145 : Software Licensing Center] . To issue a license after accessing keio.jp, please check STEP 01 ~ 08 of [p.103 : Installing Antivirus Software on Your PC (Windows 11)] .

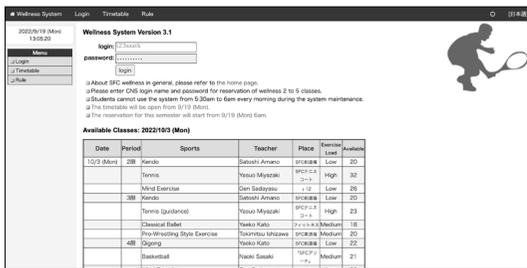
## Other Websites



### 01 SFC.Data.Science

Information on SFC's Data Science course timetables, reference works, and data science sessions.

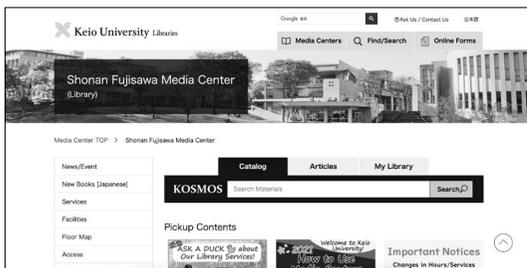
⇒ <https://ds.sfc.keio.ac.jp/>



### 02 Wellness(Physical Education) System

You can write notes, submit reports, and make reservations for Physical Education 2-5 classes.

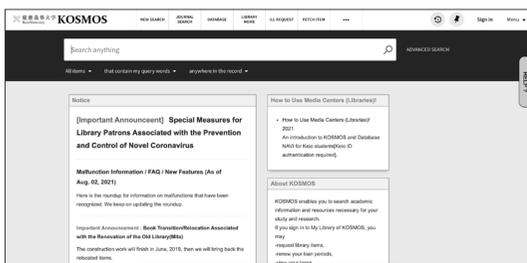
⇒ <https://wellness.sfc.keio.ac.jp/v3/index.php?lang=en>



### 03 Shonan Fujisawa Media Center (Library)

Opening hours of the Media Center and library event news are available through this website. You can also make a reservation for using the AV Hall, studios, and so forth.

⇒ <https://www.lib.keio.ac.jp/en/sfc/>



### 04 KOSMOS

KOSMOS allows you to search for books in the Keio University libraries, reserve books, and check the status of any currently checked-out books.

⇒ [https://search.lib.keio.ac.jp/discovery/search?vid=81SOKEI\\_KEIO:KEIO&lang=en](https://search.lib.keio.ac.jp/discovery/search?vid=81SOKEI_KEIO:KEIO&lang=en)

## 3

## Access Content Only Available on Campus from Outside

### Browsing the Web Using the CNS Network over WebVPN

Several webpages are accessible only on campus due to licensing restrictions. However, you can use these websites from outside SFC if you have a CNS account.

SFC has several different methods for accessing restricted content. Here, we will explain how to browse websites with WebVPN.

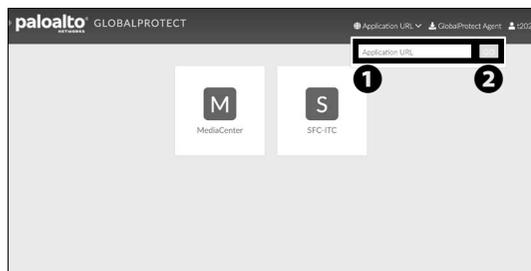


## 01

Open a web browser and go to the following URL:

⇒ <https://vpn3.sfc.keio.ac.jp>

Type your CNS login name in ❶ "CNS login name" and your CNS login password in ❷ "CNS login password." Then, click ❸ "LOG IN."



## 02

Type the URL of the webpage you want to browse in ❶ and click ❷ "GO." You can browse the website almost as if you were on campus.

#### COLUMN vol.1

### About VPN

VPN stands for Virtual Private Network, which enables a computer to access and transmit data to a private network as if it were connected directly. It extends a private network over a public network, such as the internet. VPNs allow computers connected to the internet to work from remote places while benefiting from the security and management systems of the private network. SFC has several different methods for accessing content restricted to on-campus use. To get more details, see "VPN Service" on the ITC website.

⇒ [https://www.sfc.itc.keio.ac.jp/en/network\\_cns\\_vpn2.html](https://www.sfc.itc.keio.ac.jp/en/network_cns_vpn2.html)



# 2

## Wireless LAN

How to connect to the wireless LAN available on campus from your own device.

About the Wireless LAN Environment on Campus	16
Connecting Your PC (Windows 11) to CNS	17
Connecting Your Mac (macOS) to CNS	27
Connecting Your iOS Device to CNS	32
Connecting Your Android Device to CNS	39
Connecting Your Device to Wireless LAN Using "eduroam"	47
Connecting Your Device to Wireless LAN Using "keiomobile2"	49
Connecting Your Device to CNS by EAP-PEAP Authentication	50

# 1

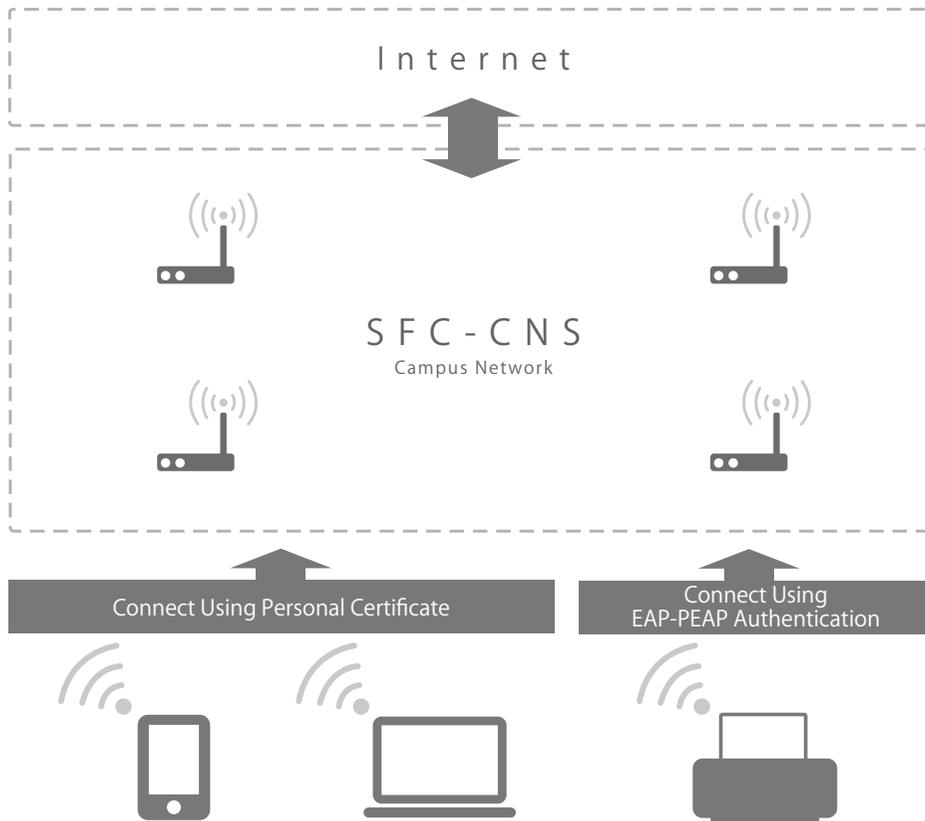
## About the Wireless LAN Environment on Campus

Wireless network access points are available across campus for research and educational purposes. Wireless local area networks (LAN) are networks which connect devices using wireless radio signals. The wireless network used by CNS uses a set of standards known as IEEE 802.11 a/n/ac, which is supported by most modern devices. Your access to CNS must be authenticated via personal certificate using a method known as EAP-TLS. Your certificate strengthens the security of your connection and authenticates you and your devices to the network.

In this section, we will explain how to access the internet using a personal certificate using Windows, macOS, iOS, and Android.

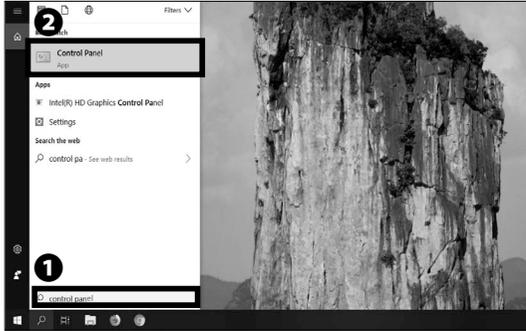
If any of your devices are not compatible with EAP-TLS authentication, you should use EAP-PEAP authentication instead, which is explained in

**[p.50 : Connecting Your Device to CNS by EAP-PEAP Authentication]** .



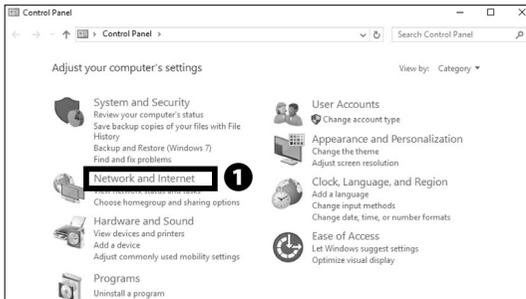
## 2

## Connecting Your PC (Windows 11) to CNS



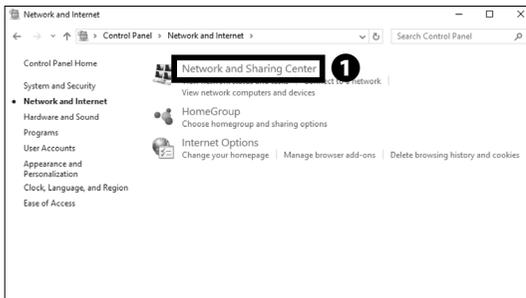
01

First connect to the wireless LAN used for setting up network access on new devices. If you have a mobile router or any other method of connecting to the internet, skip to STEP 08. On the bottom left of the screen you will have to search ❶ "Control Panel" and from the results open ❷ "Control Panel."



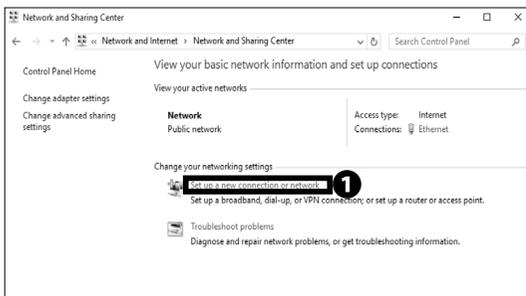
02

Click ❶ "Network and Internet."



03

Click ❶ "Network and Sharing Center."



04

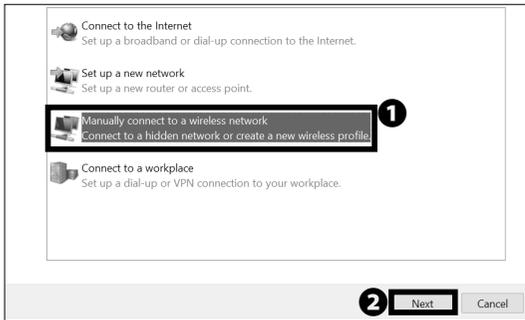
Click ❶ "Set up a new connection or network."

Start Up 1

Wireless LAN 2

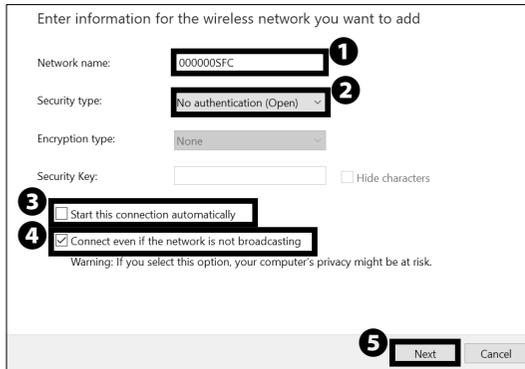
CNS Mail 3

CNS Printers 4



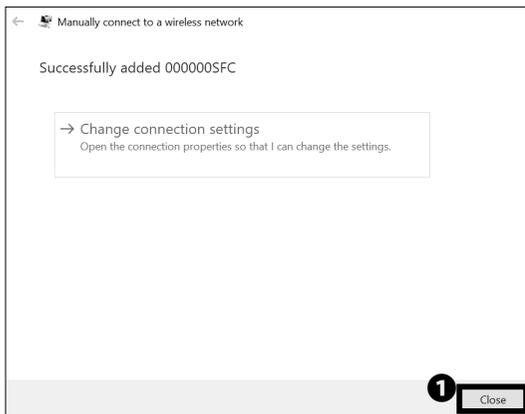
# 05

Select **1** "Manually connect to a wireless network" and click **2** "Next."



# 06

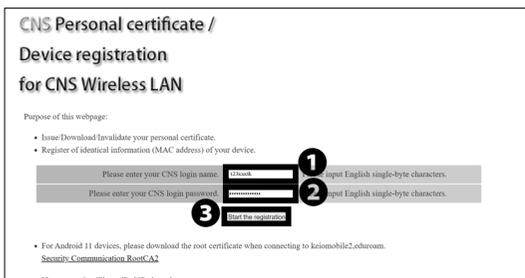
Type "000000SFC" in **1** "Network name" and select "No authentication (Open)" from **2** "Security type." Make sure that **3** "Start this connection automatically" is unchecked, and check **4** "Connect even if the network is not broadcasting." Then, click **5** "Next."



# 07

Click **1** "Close."

\* "000000SFC" can only be used for setting up Wireless LAN connection. It can not be connected outside campus.



# 08

Open a web browser and go to the URL:

⇒ <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>

Type your CNS login name in **1** and your CNS login password in **2**, then click **3** "Start the registration."



## 09

If this is your first time creating a personal certificate, select "Issue" in ❶ and click ❷ "Submit."

If you have already issued your personal certificate, and the certificate is still valid, select "Download" in ❶, click ❷ "Submit," and skip to STEP 11.

**New students have already issued a personal certificate at the time of CNS account pre-registration, so select "Download" in ❶ and move on to STEP 11.**

If your certificate has expired, select "Reissue" in ❶ and click ❷ "Submit." If you select "Reissue," your previously issued certificate will be invalidated.

You can confirm the expiration date of your certificate by following the instructions at the following site. Once the expiration date has passed, you will not be able to connect to the campus wireless LAN, so you will need to delete the old certificate and reissue a new one. For more details, please refer to [p. 25 How to delete an old certificate] or the website below.  
⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_802\\_1x\\_renew.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_802_1x_renew.html)



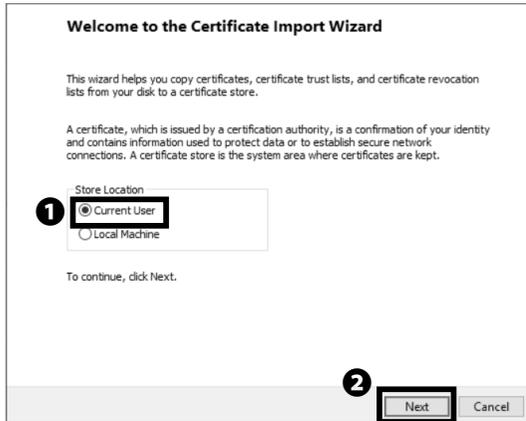
## 10

Make a new passphrase for your personal certificate. This password is necessary to protect your personal certificate against unauthorized use and must contain at least 8 characters. Type your passphrase in ❶ and ❷, then click ❸ "Issue the personal certificate." This passphrase will be used in STEP 14 and will be required when installing your certificate on any additional devices.

## 11

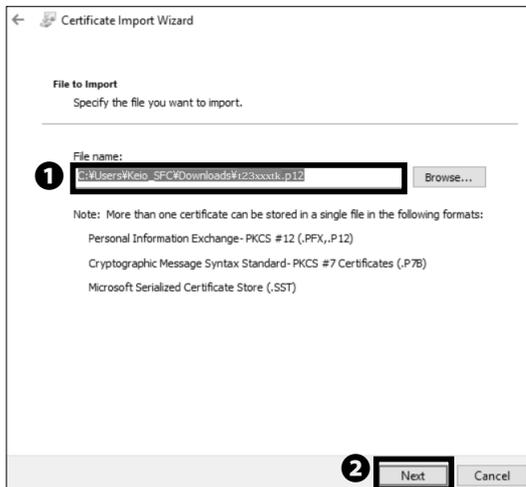
Your browser will prompt you to download the certificate. If you are using Firefox, a dialog box will appear at the bottom of the window. Click ❶ "Open." If the download does not automatically begin, click ❷ "Download."





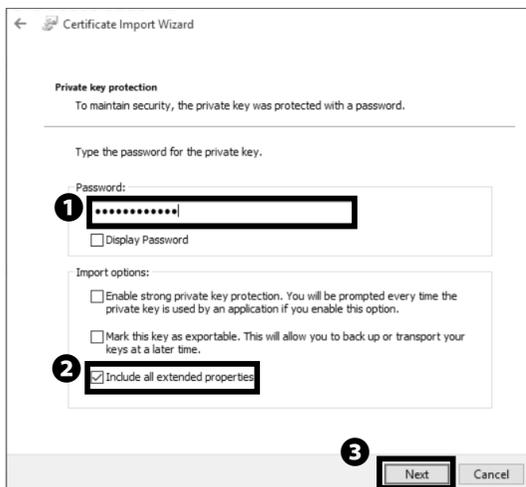
## 12

Open the file you just downloaded and wait for the "Certificate Import Wizard" to appear. Check **1** "Current User," then click **2** "Next."



## 13

Make sure that the path to your downloaded certificate is correctly entered in **1** "File Name." Then click **2** "Next."



## 14

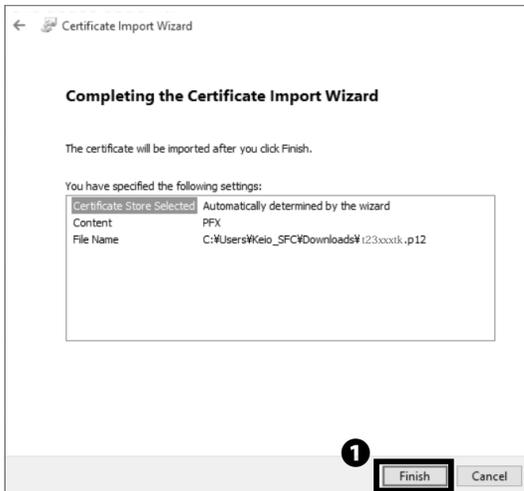
Type your personal certificate passphrase from STEP 10 in **1** "Password" and check **2** "Include all extended properties." Then, click **3** "Next."

\* If you have forgotten the passphrase, return to STEP 09 and reissue your personal certificate.



15

Click ❶ "Next."



16

Click ❶ "Finish."



17

If a security warning shows up, click ❶ "Yes" after confirming the thumbprint of the CNS root certification authority (CA) matches the following value:

FB:90:09:D1:F6:45:EE:9B:B8:21:8A:09:E3:3F:B0:99:00:58:0E:63.

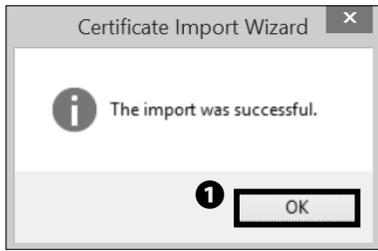
If the thumbprint does not match, you should stop and contact ITC.

Start Up 1

Wireless LAN 2

CNS Mail 3

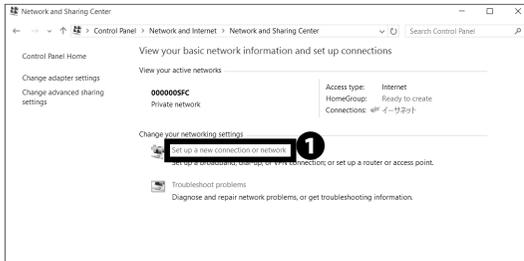
CNS Printers 4



# 18

Click **1** "OK."

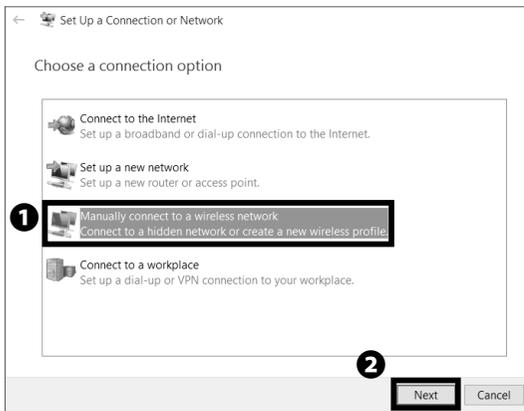
If you have reissued your personal certificate, please make sure to delete the old certificate.



# 19

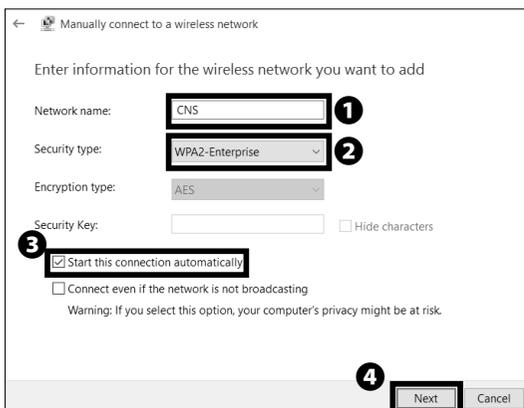
Go back to "Control Panel" and open "Network and Sharing Center" from "Network and Internet."

Then, click **1** "Set up a new connection or network."



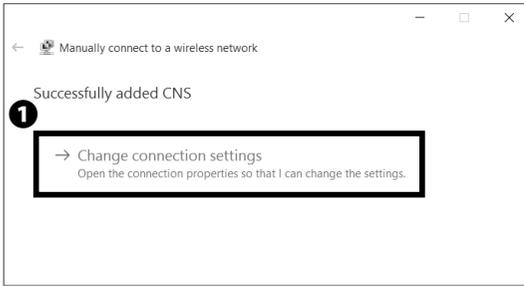
# 20

Select **1** "Manually connect to a wireless network" and click **2** "Next."



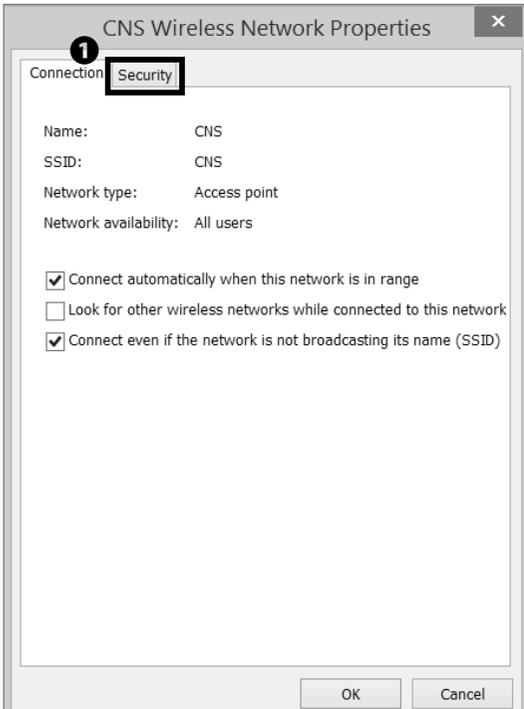
# 21

Type "CNS" in **1** "Network name." Select "WPA2-Enterprise" from **2** "Security type" and check **3** "Start this connection automatically." Then click **4** "Next."



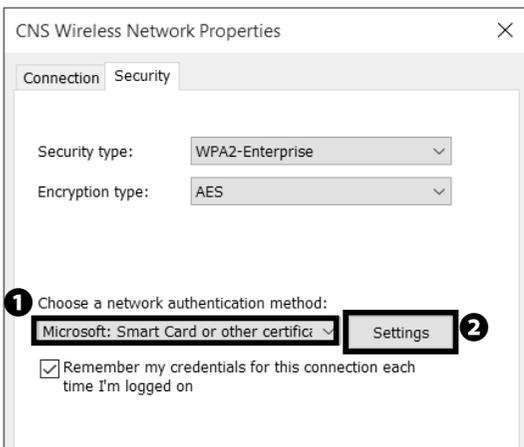
22

Click ❶ "Change connection settings."



23

Click the ❶ "Security" tab.



24

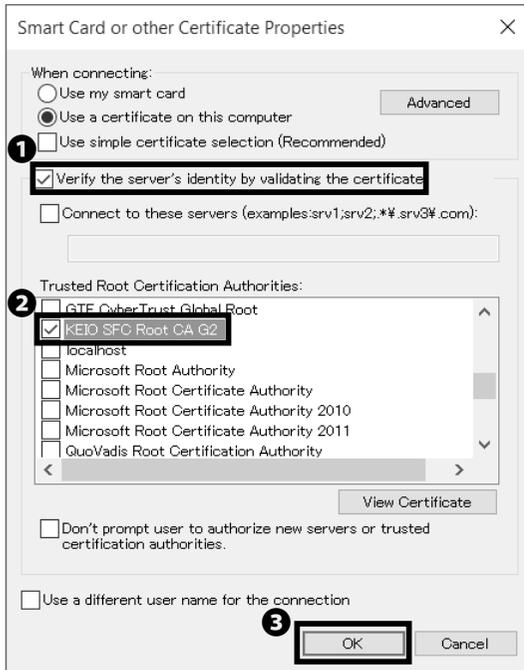
Below "Choose a network authentication method," select ❶ "Microsoft: Smart Card or other certificate," and click ❷ "Settings."

Start Up 1

Wireless LAN 2

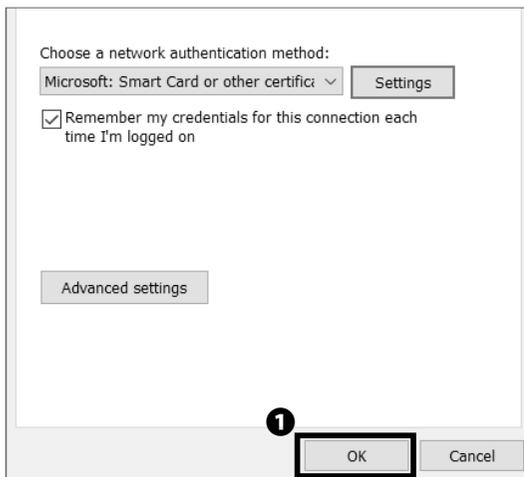
CNS Mail 3

CNS Printers 4



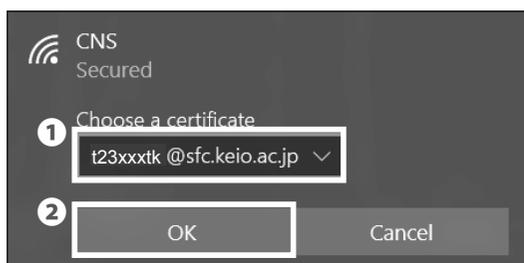
## 25

Check **1** "Verify the server's identity by validating the certificate." Check **2** "KEIO SFC Root CA G2" in the "Trusted Root Certification Authorities." Then, click **3** "OK."



## 26

Click **1** "OK."



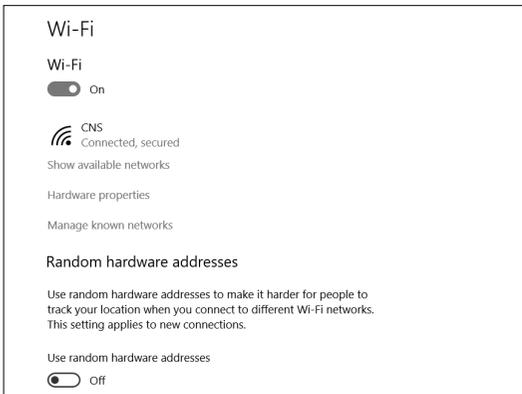
## 27

Click the internet access icon in the bottom right of the screen. Select **1** "[your CNS login name]@sfc.keio.ac.jp" and then click **2** "OK."



## 28

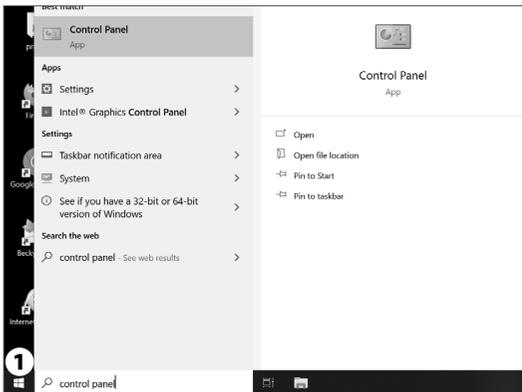
If you want to make sure your device is connected, look at the bottom left of your screen, click the ❶ Windows icon, then click ❷ "Settings."



## 29

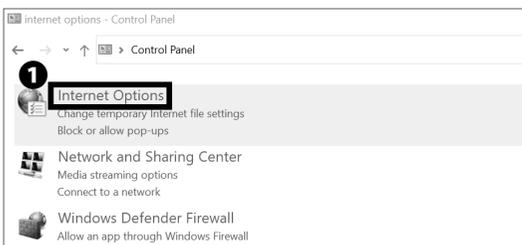
Open "Network and Internet" in Settings, then click "Wi-Fi." You will be able to check which LAN is connected now. Once "Connected" is displayed, close "Network and Internet."

Instructions for connecting your Windows to wireless is now complete.



## a01 How to delete an old certificate

If you want to delete a previously installed certificate, open ❶ "Control Panel."



## a02

Select ❶ "Internet Options" and open it.



### a03

Click on the ❶ "Content" tab and click ❷ "Certificates."



### a04

Hover the cursor over ❶ "[your CNS login name]@sfc.keio.ac.jp" to check the expiration date, and if it has expired, click ❷ "Remove."



### a05

Click ❶ "Yes" when the warning message appears.

How to delete an old certificate is completed.

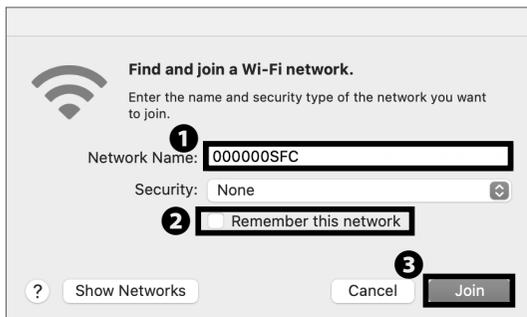
## 3

## Connecting Your Mac (macOS) to CNS



## 01

First, connect to the wireless LAN used for setting up network access on new devices. If you have a mobile router or any other method to connect to the internet, skip to STEP 03. If not, click **2** "Other..." from the list of **1** Wi-Fi icon.



## 02

Type "000000SFC" in **1** "Network Name." Uncheck **2** "Remember this network." Then, click **3** "Join."

\* "000000SFC" can only be used for setting up Wireless LAN connection. It can not be connected outside campus.

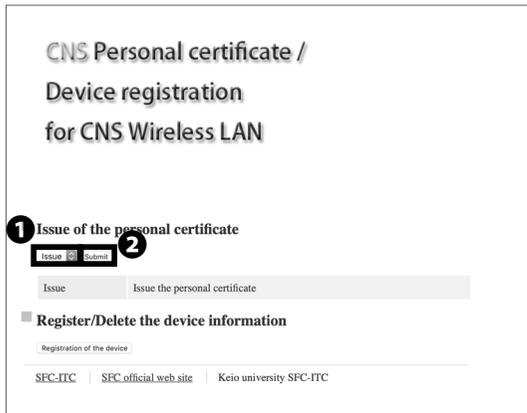


## 03

Open a web browser and go to the following URL :

⇒ <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>

Type your CNS login name in **1** and your CNS login password in **2** . Then, click **3** "Start the registration."



# 04

If this is your first time creating a personal certificate, select "Issue" in ❶ and click ❷ "Submit."

If you have already issued your personal certificate and the certificate is still valid, select "Download" in ❶, click ❷ "Submit," and skip to STEP 06.

**New students have already issued a personal certificate at the time of CNS account pre-registration, so select "Download" and move on to STEP 06.**

The certificate is valid for the duration of the student's enrollment.



# 05

Make a new passphrase for your personal certificate. This passphrase is necessary to protect your personal certificate against unauthorized use and must contain at least 8 characters.

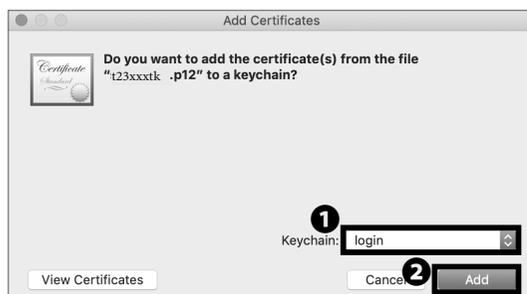
Enter your passphrase in ❶ and ❷, then click ❸ "Issue the personal certificate." This passphrase will be used in STEP 08.



# 06

Your download will begin automatically. Once completed, open the file you just downloaded. If download does not begin, click ❶ "Download" to save the file and open the certificate.

If your personal certificate has expired, please refer to [p.31 : a01 How to delete an old certificate]



# 07

Once the window "Add Certificates" appears, make sure the selected keychain in ❶ is "login." Then click ❷ "Add."



## 08

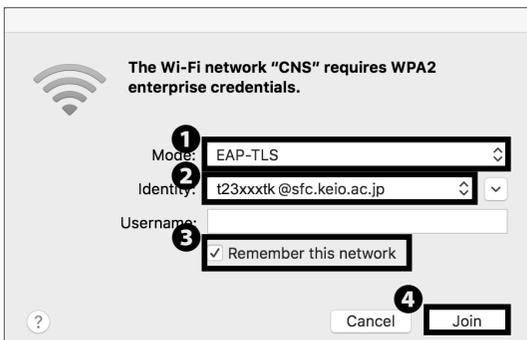
Type your personal certificate passphrase in **1** "Password" from STEP 05 and click **2** "OK."

\* If you have forgotten your passphrase, return to STEP 04 and reissue your personal certificate.



## 09

Click the **1** Wi-Fi icon to get the list of available wireless networks. Then, select **2** "CNS" from the list.



## 10

From **1** "Mode," select "EAP-TLS." From **2** "Identity," select "[your CNS login name]@sfc.keio.ac.jp." Make sure to check **3** "Remember this network" and leave the "Username" column blank. Then, click **4** "Join."



## 11

The dialog box shown on the left side will appear. Click **1** "Continue."



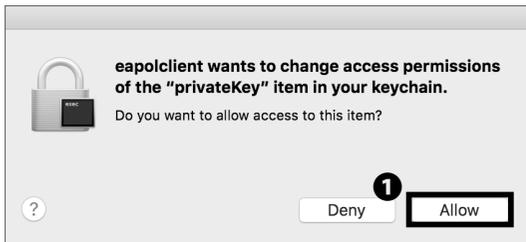
# 12

When asked to enter your password, type your macOS account password in ❶ "Password." Then, click ❷ "Update Settings."



# 13

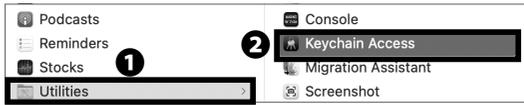
The dialog box shown on the left side will appear. Click ❶ "Always Allow."



# 14

Again, click ❶ "Allow" on the dialog box. From now on, if you are on campus, your computer will connect to CNS automatically.

Connecting Your Mac (macOS) to CNS is completed.



## a01 How to delete an old certificate

To delete an old certificate, first click on **2** "Keychain Access" in the **1** "Utilities" section of the application.



## a02

Select **1** "Certificates", and click **2** "Delete [CNS login name]@sfc.keio.ac.jp." which appears when you right-click "[CNS login name]@sfc.keio.ac.jp."

After deleting the certificate, return to STEP01 and reissue your personal certificate. If you want to connect to other multiple devices after the reissue, select "Download" because only the latest certificate will be valid. If you are still unable to connect after adding the certificate, please "reboot" your device.

This is the end of the procedure for connecting your Mac (macOS) to CNS .

## 4

## Connecting Your iOS Device to CNS

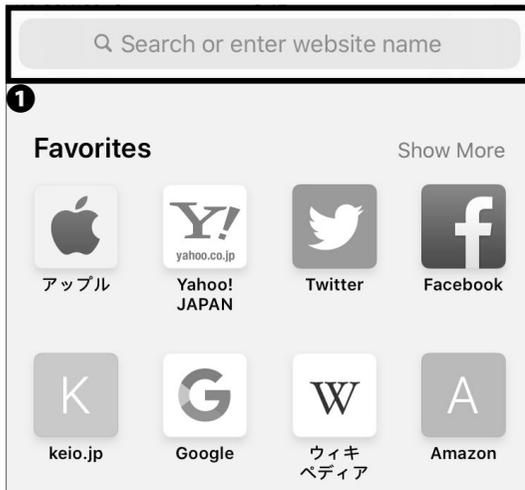


## 01

On your home screen, tap ❶ "Safari."

\* This procedure assumes that your smartphone has a 4G/5G connection.

\* If you don't have 4G/5G connection, please connect to SSID "000000SFC" from wireless settings.



## 02

Type the following URL in ❶ or scan the following QR code, and go to the registration page :

⇒ <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>



## CNS Personal certificate / Device registration for CNS Wireless LAN

Please try with Safari.  
You can not download the certificate in Google  
Chrome.

Wireless LAN configuration for iPhone:

- Issue of the private certificate
- Download of configuration profile for iPhone

# 03

Type your CNS login name in ❶ "CNS login name" and your CNS login password in ❷ "CNS login password." Then, tap ❸ "start registration."

## CNS Personal certificate / Device registration for CNS Wireless LAN

logout

■ Issue of the personal certificate

# 04

If this is your first time creating a personal certificate, select "Issue" in ❶ and tap ❷ "go."

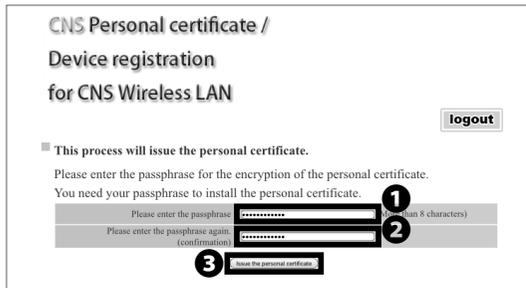
If you have already issued your personal certificate and the certificate is still valid, select "Download" in ❶, tap ❷ "go," and skip to STEP 06.

**New students have already issued a personal certificate at the time of CNS account pre-registration, so select "Download" and move on to STEP 06.**

If your certificate has expired, select "Reissue" in ❶ and tap ❷ "go." If you select "Reissue," your previous certificate will be invalidated.

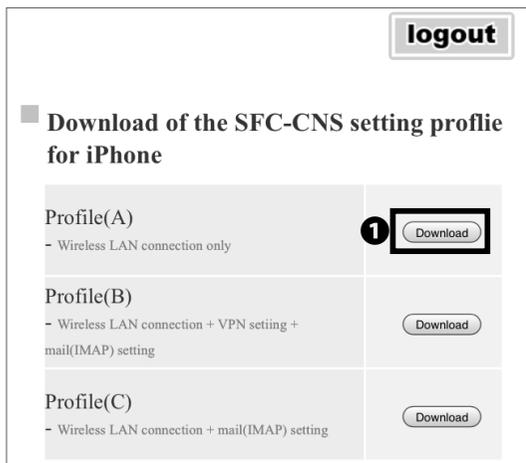
You can confirm the expiration date of your certificate by following the instructions at the following site. Once the expiration date has passed, you will not be able to connect to the campus wireless LAN, so you will need to delete the old certificate and reissue a new one. For more details, please refer to the website below.

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_802\\_1x\\_renew.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_802_1x_renew.html)



## 05

Make a new passphrase for your personal certificate. This passphrase is necessary to protect your personal certificate from unauthorized use. It must contain at least 8 characters. Enter your passphrase in ❶ and ❷ and tap ❸ "Issue the personal certificate." This passphrase will be used in STEP 18.



## 06

Now you'll be on a selecting site of Setting profile. Tap ❶ "Download" next to "Profile(A)."

If you select "Profile(C)," you can set up both wireless LAN connection and CNS mail at the same time.

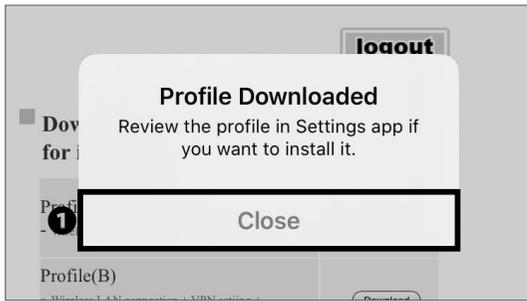
Also by selecting "Profile(B)," you can add VPN settings at the same time. To check VPN [p.13 : Access Content Only Available on Campus from Outside] inside the columns [About VPN] .

If you want to set up CNS mail, tap "Download" next to "Profile(B)" or "Profile(C)." Then follow STEP 6~21 of [p. 63 :Configuring Your CNS Mail on Your iOS Device] . Then follow STEP 21 and STEP 22 in this section to set up your wireless LAN connection.



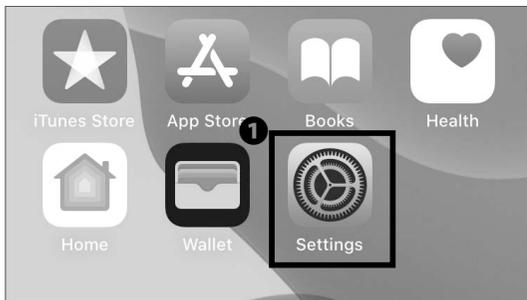
## 07

The dialog box shown on the left side will appear. Tap ❶ "Allow."



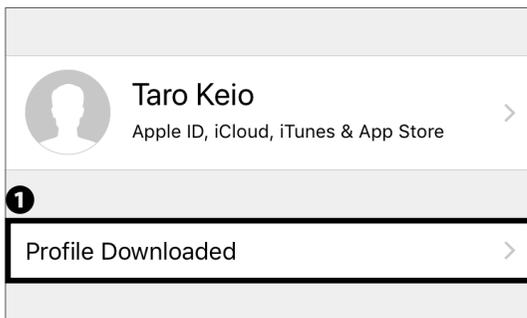
08

Tap ❶ "Close."



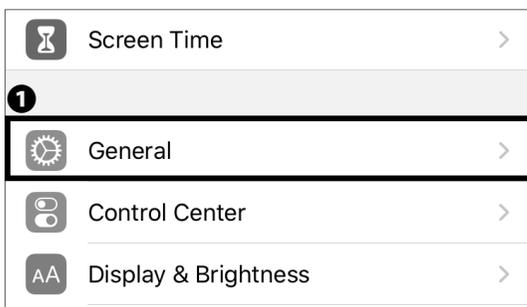
09

On your home screen, tap ❶ "Settings."



10

If ❶ "Profile Downloaded" is displayed, tap it and go on to STEP 13.



11

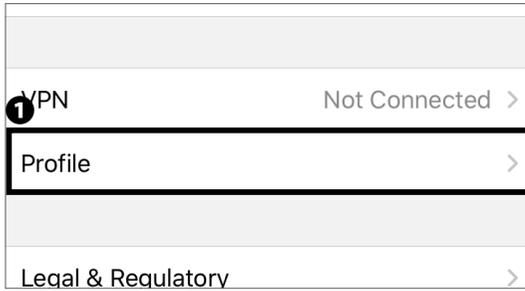
If "Profile Downloaded" is not displayed in Settings, tap ❶ "General."

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4



12

Tap ❶ "Profile."



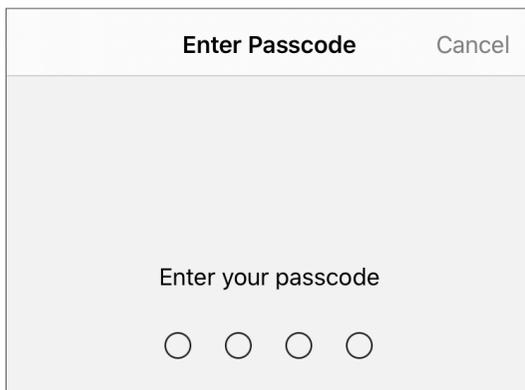
13

The downloaded profile will be displayed. Tap the ❶ Profile.



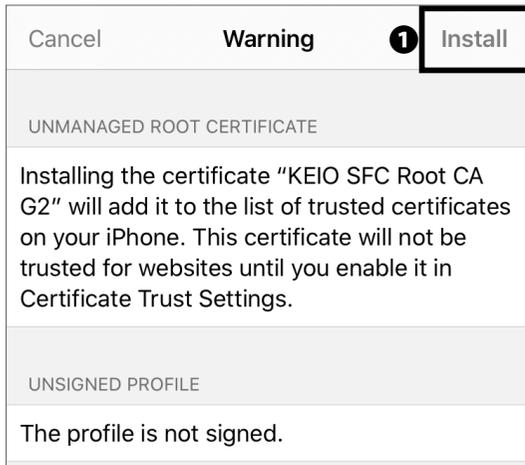
14

Tap ❶ "Install."



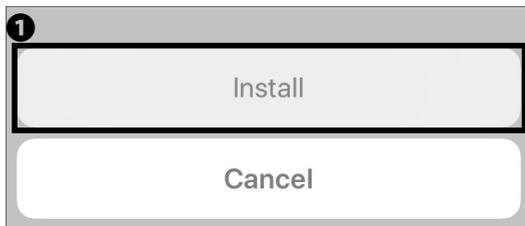
15

Type in your iOS device passcode.



16

Tap ❶ "Install."



17

Tap ❶ "Install."



18

Type your personal certificate passphrase from STEP 05 in ❶ and tap ❷ "Next."



19

Tap ❶ "Done."

Start Up 1

Wireless LAN 2

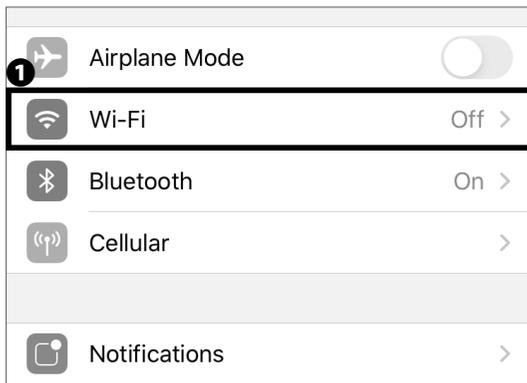
CNS Mail 3

CNS Printers 4



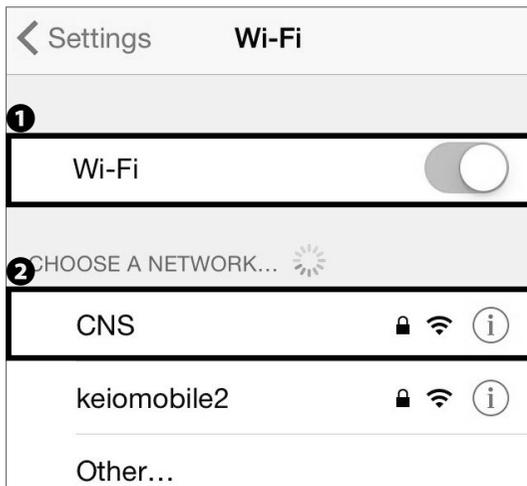
20

Go back to your home screen and tap **1** "Settings."



21

Tap **1** "Wi-Fi."



22

Turn on **1** "Wi-Fi."

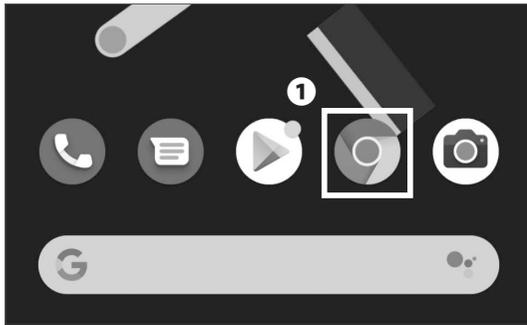
Tap **2** "CNS." From now on, if you are on campus, your device will connect to CNS automatically.

Connecting Your iOS Device to CNS is completed.

\* The new personal certificate may not be installed properly if you have older profiles installed. Make sure to delete any older SFC-CNS profiles first, then try again if you encounter problems.

## 5

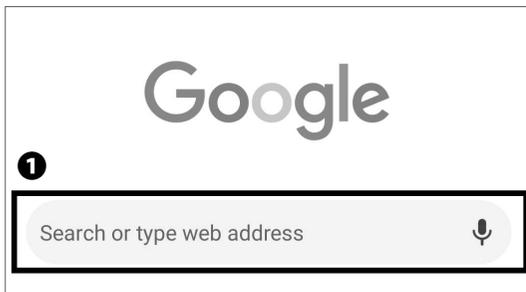
## Connecting Your Android Device to CNS



## 01

On your home screen, tap the ❶ Chrome icon.

The procedure for setting up an Android device depends on the specific model. This explanation uses a Xperia Z3 Compact (SO-02G).



## 02

Type the following URL in ❶ and go to the registration page or scan the following QR code :

⇒ <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>



**CNS Personal certificate /  
Device registration  
for CNS Wireless LAN**

Purpose of this webpage:

- Issue/Download/Invalidate your personal certificate.
- Register of identical information (MAC address) of your device.

Please enter your CNS login name  Please input English single-byte ❶

Please enter your CNS login password  Please input English single-byte ❷

❸

## 03

Type your CNS login name in ❶ "CNS login name" and your CNS login password in ❷ "CNS login password."

Then, tap ❸ "Start the registration."

for CNS Wireless LAN

**1** Issue of the personal certificate

Issue Submit **2**

Issue the personal certificate

**Register/Delete the device information**

Registration of the device

SFC-ITC | [SFC official web site](#) | Keio university SFC-ITC

## 04

If this is your first time creating a personal certificate, select "Issue" in **1** and tap **2** "Submit."

If you have already issued your personal certificate and the certificate is still valid, select "Download" in **1**, tap **2** "Submit," and skip to STEP 06.

**New students have already issued a personal certificate at the time of CNS account pre-registration, so select "Download" and move on to STEP 06.**

If your certificate has expired, select "Reissue" in **1** and tap **2** "go." If you select "Reissue," your previous certificate will be invalidated.

You can confirm the expiration date of your certificate by following the instructions at the following site. Once the expiration date has passed, you will not be able to connect to the campus wireless LAN, so you will need to delete the old certificate and reissue a new one. For more details, please refer the website below.

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_802\\_1x\\_renew.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_802_1x_renew.html)

**This process will issue the personal certificate.**

Please enter the passphrase for the encryption of the personal certificate. You need your passphrase to install the personal certificate.

Please enter the passphrase: ..... **1**

Please enter the passphrase again (confirmation): ..... **2**

**3** Issue the personal certificate

Cancel the registration | [SFC-ITC web site](#) | [SFC official web site](#) | Keio university SFC-ITC

## 05

Make a new passphrase for your personal certificate. This password is necessary to protect your personal certificate from unauthorized use and must contain at least 8 characters. Enter your passphrase in **1** and **2** and tap **3** "Issue the personal certificate." This passphrase will be used in STEP 10.



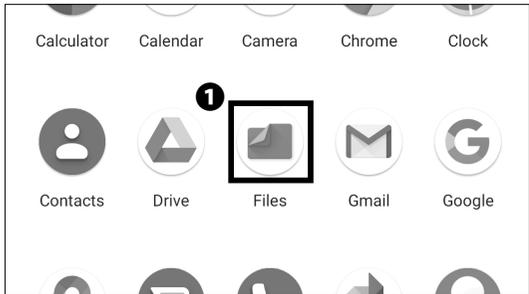
## 06

Your download should begin automatically. If it does not, tap ❶ "Download".

When a dialog like the one shown on the left left appears, click ❷ "Download".

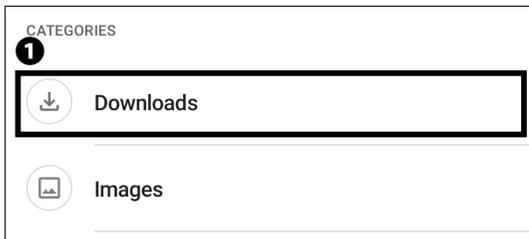


There are some models that cannot download personal certificates properly. If you have any issues downloading or installing your personal certificate, please refer to [p. 50 :Connecting Your Device to CNS by EAP-PEAP Authentication] .



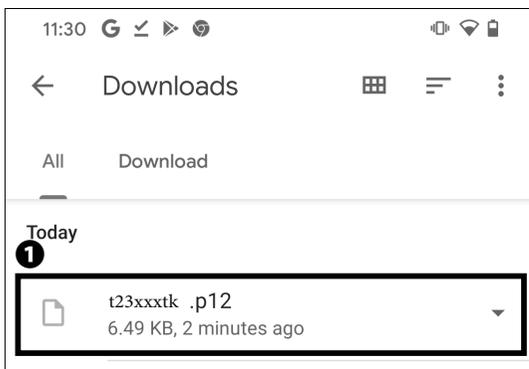
## 07

Tap ❶ "Files".



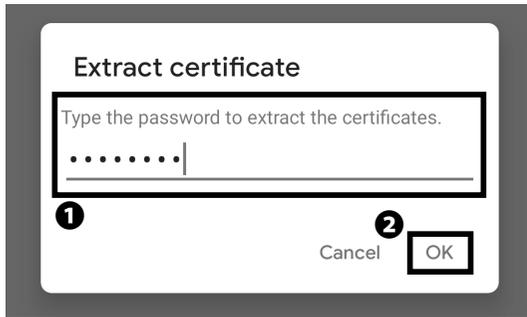
## 08

Tap ❶ "Downloads".



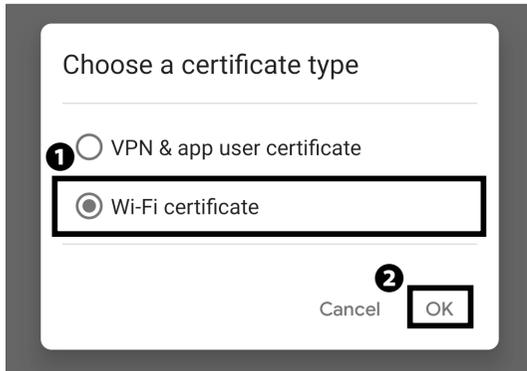
## 09

Tap ❶ "[CNS login name].p12".



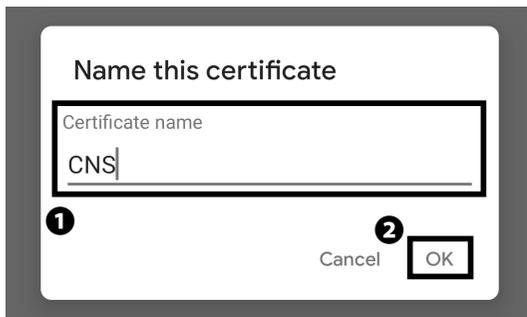
10

1 Enter the passphrase that you entered when the certificate was issued and tap 2 "OK".



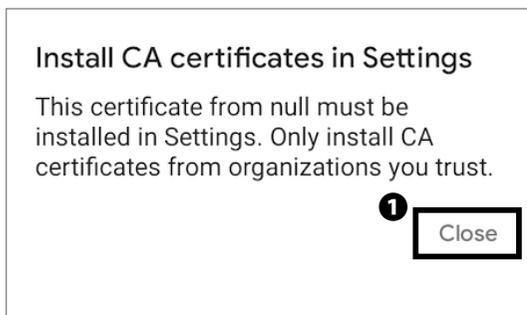
11

1 Select "Wi-Fi certificate" and tap 2 "OK".



12

1 Change the Certificate name to "CNS" and tap 2 "OK".

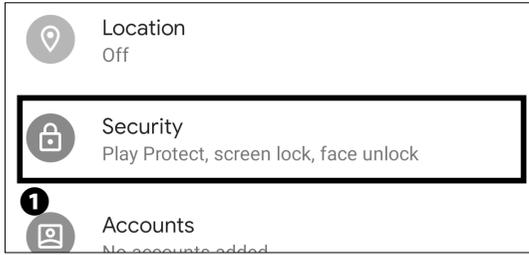


13

Download the Root certificate of CNS from the following link, and when the message "Install CA certificates in Settings" appears, tap 1 "Close."

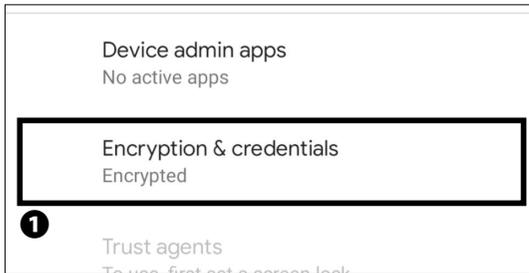
⇒ [https://itcsecure.sfc.keio.ac.jp/downloads/files/KEIO\\_SFC\\_Root\\_CA\\_G2.pem](https://itcsecure.sfc.keio.ac.jp/downloads/files/KEIO_SFC_Root_CA_G2.pem)





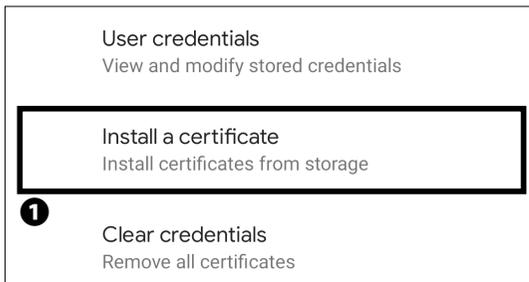
## 14

From "Settings", tap **1** "Security".



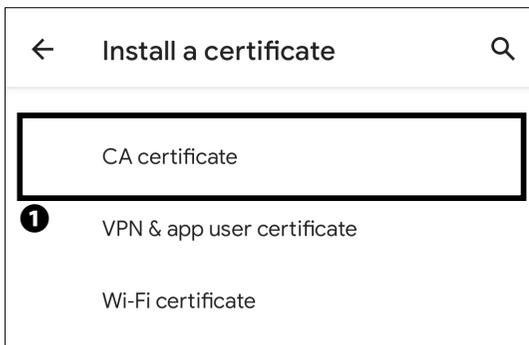
## 15

**1** Tap "Encryption & credentials".



## 16

**1** Tap "Install a certificate".



## 17

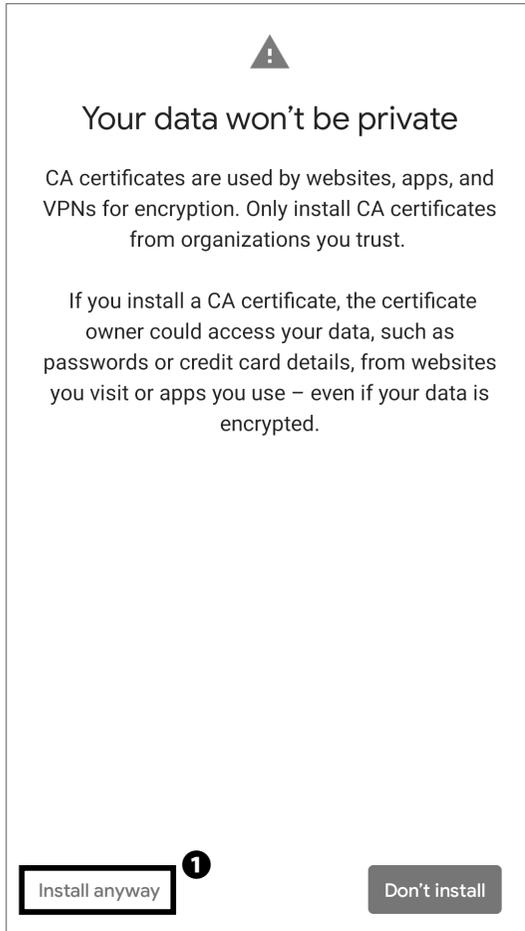
**1** Tap "CA Certificate".

Start Up 1

Wireless LAN 2

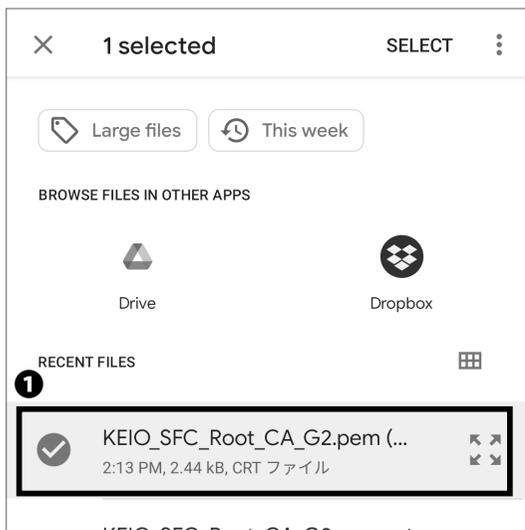
CNS Mail 3

CNS Printers 4



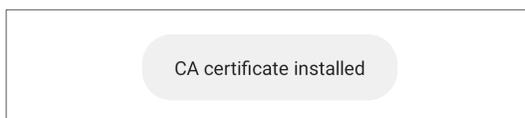
18

When you see the message "Your data won't be private", tap **1** "Install anyway".



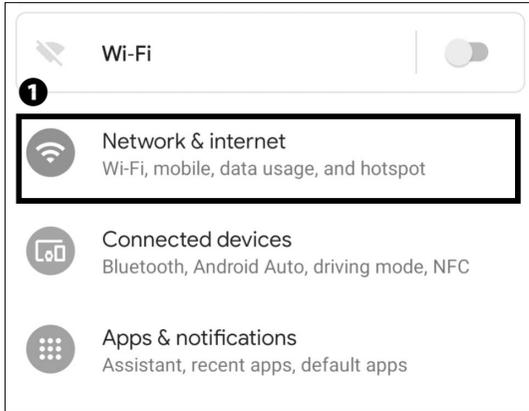
19

Select **1** "KEIO\_SFC\_Root\_CA\_G2.pem" and install it.



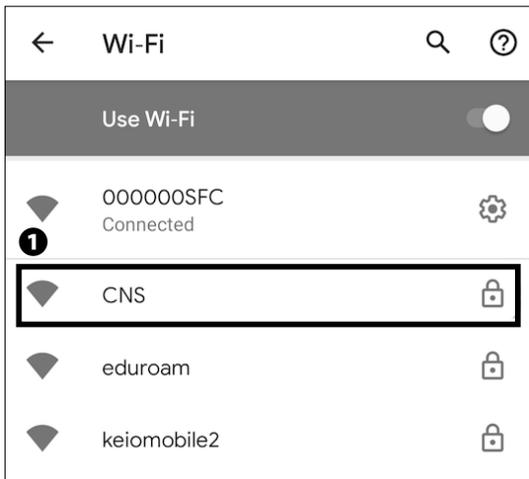
20

Verify that the message "CA certificate installed."



21

From "Settings", tap ❶ "Network & internet".



22

Tap ❶ "CNS".

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

**CNS**

EAP method  
 TLS

CA certificate  
 CNS

Online Certificate Status  
 Do not validate

Domain  
**sfc.keio.ac.jp**

User certificate  
 CNS

Identity  
**t23xxtk**

Advanced options

Cancel **1** Connect

## 23

Change the settings on this screen to the following values:

<b>EAP method</b>	TLS
<b>CA certificate</b>	CNS
<b>Online Certificate System</b>	Do not validate
<b>Domain</b>	sfc.keio.ac.jp
<b>User certificate</b>	CNS
<b>Identity</b>	(your CNS login name)

Once entered correctly, tap **1** "Connect."

\* On some devices, you may be prompted to select the connection type. If asked, select "802.1X EAP."

← **Wi-Fi** 🔍 ⓘ

Use Wi-Fi

📶 **CNS** **Connected** ⚙️

📶 eduroam 🔒

📶 keiomobile2 🔒

## 24

If "Connected" is shown below "CNS", your device is successfully configured.

Connecting Your Android Device to CNS is completed.

## 6

# Connecting Your Device to Wireless LAN Using "eduroam"

## What is "eduroam"?

"eduroam" is an academic/research wireless LAN roaming infrastructure developed by the GÉANT Association (formerly known as TERENA) in Europe. It is a de facto standard for securely granting wireless network access to visiting academics and researchers in 74 countries and regions around the world, including Japan.

By using eduroam, you can use the wi-fi not only at Keio University campuses, but at other eduroam-participating organizations in Japan and overseas.

## Connecting to eduroam

## 01

Open a web browser and go to the following URL:

⇒ <https://itcsecure.sfc.keio.ac.jp/form/wifi/>

Type your CNS login name in ❶ and your CNS login password in ❷. Then, click ❸ "Login."

\* This procedure differs from the procedure of setting up a connection to CNS.

\* This explanation is based on macOS. For other OS, please refer to this explanation as well.

## 02

Click ❶ "パスワード (Password)."



# 03

Click **1** "Create."

Remember the password that is displayed. This password will be used in STEP 05.

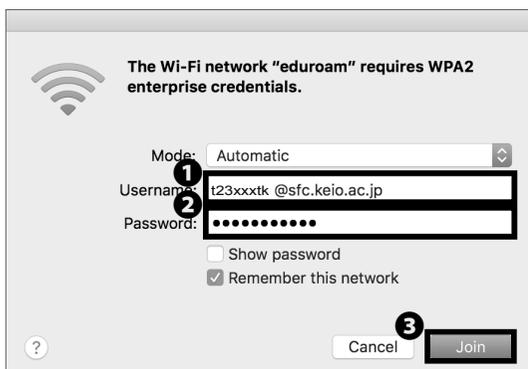


# 04

In this section, we will explain how to connect using macOS. If you are using any other devices, go to the following URL to get more details :

⇒ [https://www.sfc.itc.keio.ac.jp/en/network\\_information\\_eduroam.html](https://www.sfc.itc.keio.ac.jp/en/network_information_eduroam.html)

Click the **1** Wi-Fi icon at the top of the screen and click **2** "eduroam."



# 05

Type [your CNS login name]@sfc.keio.ac.jp in **1** "Username" and your SFC-CNS Wi-Fi password from STEP 03 in **2** "Password." Then, click **3** "Join."

Instructions for using eduroam to connect to wireless LAN is now complete.

## 7

# Connecting Your Device to Wireless LAN Using "keiomobile2"

## What is "keiomobile2"?

"keiomobile2" is a cross-campus wi-fi service offered by Keio ITC. As a member of Keio University, you can connect to the Internet from any campus. keiomobile2 can only be set up inside campus.

In order for students, faculty and staff who have CNS accounts to connect to keiomobile2, you need a keio.jp (Keio ID), or an ITC account and its PEAP password.

wireless LAN/WiFi Service (keiomobile2)
<b>Premise</b>
<ul style="list-style-type: none"> <li>It is available to set up and use keiomobile2 only inside of Keio campus. (You can check the WiFi Password from a network outside Keio.)</li> <li>You must have keio ID or ITC account (ua*****, ub*****, aa*****) to obtain the Wi-Fi password for wifi connection.</li> </ul>
<b>Process to set up keiomobile2</b>
<ol style="list-style-type: none"> <li>Using keio ID issue or Using ITC account issue Before go to step 2, make sure that your Wi-Fi password is issued.</li> <li>Set up keiomobile2</li> </ol>
<b>Revising wireless LAN connection settings</b>
<ul style="list-style-type: none"> <li>Procedure for revising wireless LAN connection settings</li> </ul>
<b>Notice</b>
<ul style="list-style-type: none"> <li>It is not necessary to renew the wireless LAN setting annually, however your ITC account or Keio ID has to be active.</li> <li>Keep your operating system and firmware up-to-date via Windows Update or the update service that applies to your device.</li> </ul>

In order to connect to keiomobile2, you need keio.jp (Keio ID) or ITC account (ua\*\*\*\*\*, ub\*\*\*\*\*, aa\*\*\*\*\*) to issue a password for Wi-Fi connection.

For more information, please refer to the website below.  
How to: connect to wireless LAN / Wi-fi Connection Service (keiomobile2)  
⇒ [https://www.mita.itc.keio.ac.jp/en/net\\_connect\\_keiomobile2\\_peap.html](https://www.mita.itc.keio.ac.jp/en/net_connect_keiomobile2_peap.html)

\* keiomobile2 can also be joined using either SFC-CNS personal certificate or PEAP password.

## 8

## Connecting Your Device to CNS by EAP-PEAP Authentication

### What is EAP-PEAP Authentication?

EAP-PEAP is one of the Extensible Authentication Protocol methods, which authenticates devices using PEAP (Protected EAP). Similar to EAP-TLS, which authenticates clients using a certificate, devices using EAP-PEAP authentication will send their credentials (e.g. ID and password) using an encrypted communications path. In EAP-TLS, both the client and authentication server use certificates to prove their identities to each other, which is known as mutual authentication.

Compared to EAP-TLS authentication, EAP-PEAP is slightly less secure; however, since the client does not need a certificate, devices that do not support certificate-based authentication can send encrypted communications easily. When you are connecting to the CNS wireless LAN using devices that are incompatible with EAP-TLS authentication, please use EAP-PEAP authentication.

### Connecting to CNS by EAP-PEAP Authentication

## 01

Open a web browser and go to the following URL:

⇒ <https://itcsecure.sfc.keio.ac.jp/form/wifi/>

Type your CNS login name in **1** and your CNS login password in **2**. Then, click **3** "Login."

\* This procedure differs from the procedure of setting up a connection to CNS.

\* This explanation is based on macOS. For other OSes, please refer to this explanation as well.



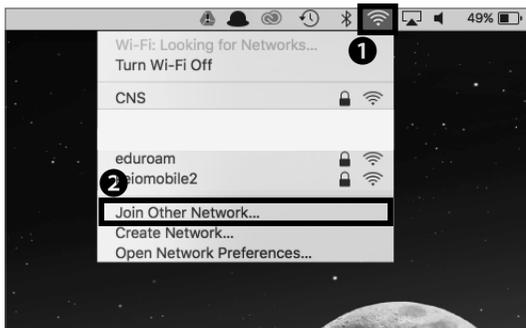
## 02

Once logged in, click **1** "パスワード (Password)."



## 03

Click **1** "Create." This password will be used in STEP 05.



## 04

In this section, we will explain how to connect using macOS. If you are using any other devices, go to the following URL to get more details:

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_peap.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_peap.html)

Click **1** Wi-Fi icon at the top of the screen and click **2** "Join Other Network...."

Note: "CNS3" will not be displayed on the list as it is a hidden network.



## 05

Network name	CNS3
Security	WPA/WPA2 Enterprise
Mode	Automatic
Username	[your CNS login name]@sfc.keio.ac.jp
Password	SFC-CNS WiFi Password

\* SFC-CNS WiFi Password is the password for PEAP created in STEP 03.

Once all settings are entered correctly, check **1** "Remember this network" and click **2** "Join."

Instructions for using EAP-PEAP authentication to join Wireless LAN services is now complete.



# 3

## CNS Mail

How to use CNS Mail on various devices

Using Your CNS Mail Account	54
Checking Your CNS Mailbox from On-Campus Computers	55
Using Your CNS Mail from On-Campus Mac	55
Using Your CNS Mail from On-Campus Windows	55
Configuring Your CNS Mail on Your PC (Windows 11)	56
Configuring Your CNS Mail on Your Mac (macOS)	60
Configuring Your CNS Mail on Your iOS Device	63
Configuring Your CNS Mail on Your Android Device	69
Various Settings in CNS Mail	74
Setting Up Mail Forwarding	74
Configuring Spam Filter	75

## 1

## Using Your CNS Mail Account

## Technical Specifications of CNS Mail Servers

## IMAP4

Receiving Server	Port	Authentication Methods	Password
imap.sfc.keio.ac.jp	993 (IMAP over SSL)	CRAM-MD5 Authentication or LOGIN Authentication	IMAP/SMTP-AUTH Password

## SMTP

Sending Server	Port	Authentication Methods	Password
smtp.sfc.keio.ac.jp	465 (SMTP over SSL)	CRAM-MD5 Authentication or LOGIN Authentication	IMAP/SMTP-AUTH Password
	587 (Submission Port)		

## 01 What is IMAP?

IMAP stands for Internet Message Access Protocol, which allows users to access emails stored on the mail server. Today, the IMAP protocol is the most commonly used protocol for accessing and retrieving emails from mail servers. Emails sent to your CNS account are accessible from CNS mail servers using IMAP. You can view, organize, send, and receive emails from almost anywhere. With IMAP, the mail server manages all information, so any changes you make will be synchronized to all your devices. However, you must be connected to the Internet in order to send and receive emails. Depending on your email client, previously read messages may be stored in a cache and could be available even when you are not connected to the internet.

## 02 Warning

If the amount of data in your CNS home directory exceeds 100GB, you will be unable to use your CNS email account. Please refrain from sending emails with large attachments. Such emails can create delays or other problems for both the CNS mail server and the

receiving mail server. If you need to send large files, you should use a file-sharing service such as SFC-CNS Online Storage.

## 03 Use Other E-Mail Clients

If you use your CNS mail account from anywhere other than the on-campus computers, please set up your mail client using the technical specifications of the CNS mail servers listed above. If you need more details, please visit the following URL:

⇒ [https://www.sfc.itc.keio.ac.jp/en/computer\\_email\\_cns\\_usage\\_config.html](https://www.sfc.itc.keio.ac.jp/en/computer_email_cns_usage_config.html)

## 04 Use SFC-CNS WebMail

By using the SFC-CNS WebMail system, you can access your CNS email account in a web browser without using an email client. Please visit the following URL and login with your CNS login name and IMAP/SMTP-AUTH password.

⇒ <https://webmail.sfc.keio.ac.jp/>

## 2

## Checking Your CNS Mailbox from On-Campus Computers

### Using Your CNS Mail from On-Campus Mac



## 01

The mail client for on-campus Mac computers is Thunderbird. Login to an on-campus computer with your CNS account, click ❶ "Thunderbird" in your dock to open the software.

Enter the IMAP/SMTP-AUTH password you set up at the beginning of your first year. If you forgot your password, go to [p.147 : How to Change Account Passwords] , follow the instructions, and re-set the password.

### Using Your CNS Mail from On-Campus Windows



## 01

The mail client for on-campus Windows PCs is Thunderbird. Login to an on-campus computer with your CNS account, then double-click ❶ "Thunderbird" on the desktop to open the software.

Enter the IMAP/SMTP-AUTH password you set up at the beginning of your first year. If you forgot your password, go to [p.147 : How to Change Account Passwords] , follow the instructions, and re-set the password.

## 3

## Configuring Your CNS Mail on Your PC (Windows 11)

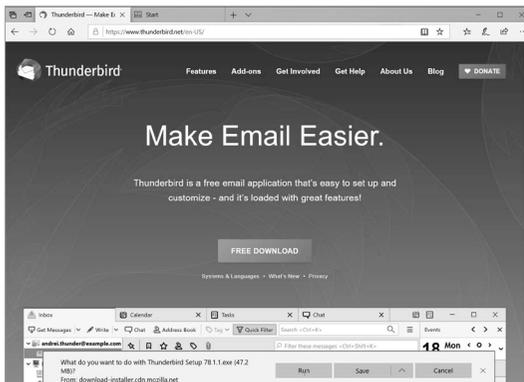


01

Open a web browser and go to the following URL:

⇒ <https://www.thunderbird.net/en-US/>

Click ❶ "Free Download."



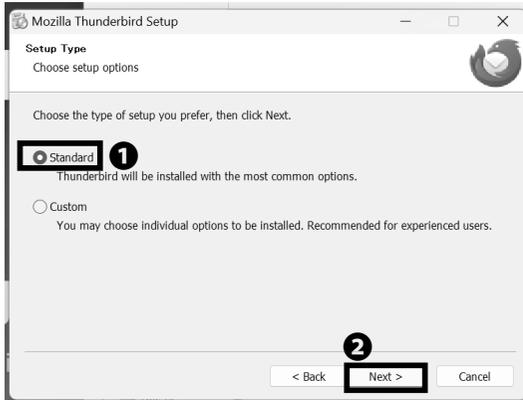
02

Your download will begin automatically. Next, open the file you just downloaded.



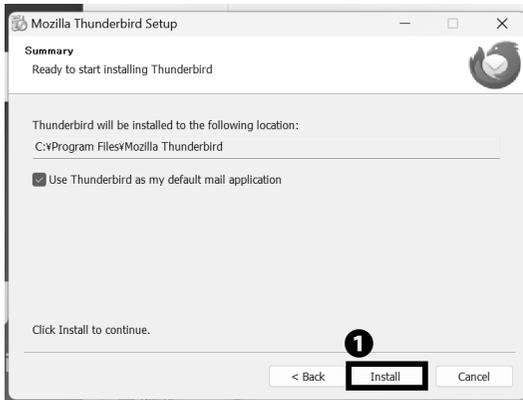
03

Click ❶ "Next >."



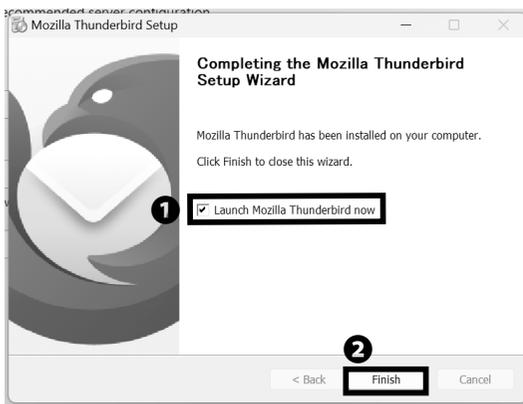
## 04

Confirm **1** "Standard" is checked and click **2** "Next >."



## 05

Click **1** "Install."



## 06

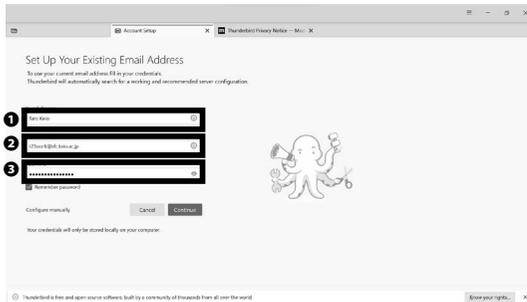
Installation of Thunderbird is now finished. You can now continue and setup access to your CNS mail account. Check **1** "Launch Mozilla Thunderbird now" and click **2** "Finish."

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

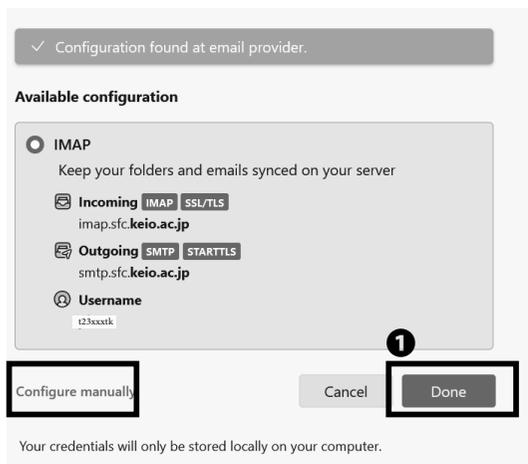


07

Type your full name in ❶ "Your name" and "[your CNS login name]@sfc.keio.ac.jp" in ❷ "Email address." Type your IMAP/SMTP-AUTH password in ❸ "Password."

You can create and change your CNS IMAP password at the following URL:

⇒ <https://itcsecure.sfc.keio.ac.jp/form/password/>



08

Wait for the message "Your account settings were found by your email provider." Wait until the message "Your account settings were found by your mail provider" is displayed. When the message appears, click ❶ "Done".

If it does not appear, click "Cancel" and then click ❷ "Configure manually".

**Manual configuration**

**1** **INCOMING SERVER**

Protocol: IMAP

Hostname: imap.sfc.keio.ac.jp

Port: 993

Connection security: SSL/TLS

Authentication method: Encrypted password

Username: t23xxxtk

**2** **OUTGOING SERVER**

Hostname: smtp.sfc.keio.ac.jp

Port: 465

Connection security: SSL/TLS

Authentication method: Encrypted password

Username: t23xxxtk

**3** Re-test **4** Done

# 09

Next, type the following incoming and outgoing mail server information into the settings window as shown.

### 1 Incoming Receiving Server (IMAP)

Server hostname	imap.sfc.keio.ac.jp
Port	993
Protocol	SSL/TLS
Authentication	Encrypted password
Username	Your CNS login name

### 2 Outgoing Sending Server (SMTP)

Server hostname	smtp.sfc.keio.ac.jp
Port	465
Protocol	SSL/TLS
Authentication	Encrypted password
Username	Your CNS login name

Once you have entered all the settings, click **3** "Re-test." After Thunderbird confirms the mail server information, click **4** "Done."

# 10

When the window shown on the left appears at the end, click **1** "Finish".

Configuring Your CNS Mail on Your PC (Windows 11) is completed.

Account successfully created

You can now use this account with Thunderbird. You can improve the experience by connecting related services and configuring advanced account settings.

Yuichi Furumoto yf@sfc.keio.ac.jp

Account settings, End-to-end encryption, Add a signature, Download dictionaries

Connect your linked services

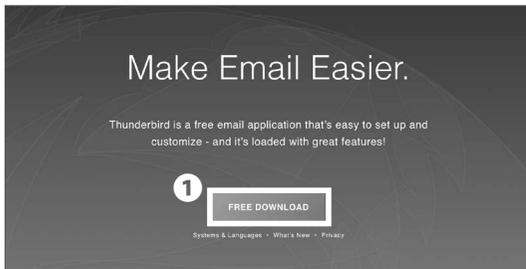
Setup other services to get the most out of your Thunderbird experience.

Connect to a CardDAV address book, Connect to an LDAP address book, Connect to a remote calendar

**1** Finish

## 4

## Configuring Your CNS Mail on Your Mac (macOS)

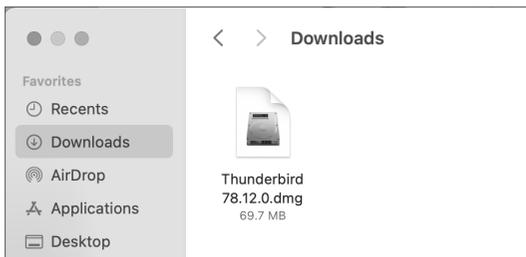


## 01

Open a web browser and go to the following URL:

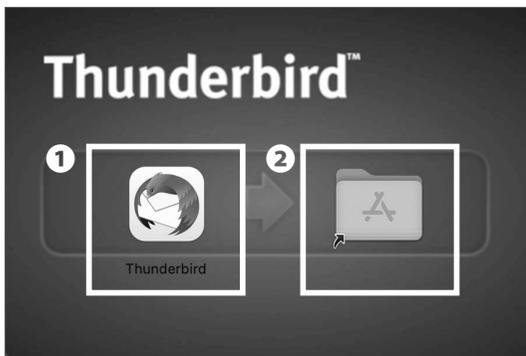
⇒ <https://www.thunderbird.net/en-US/>

Click **1** "FREE DOWNLOAD."



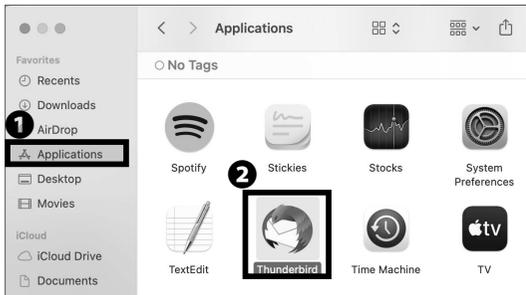
## 02

Your download should begin automatically. Next, open the file you just downloaded.



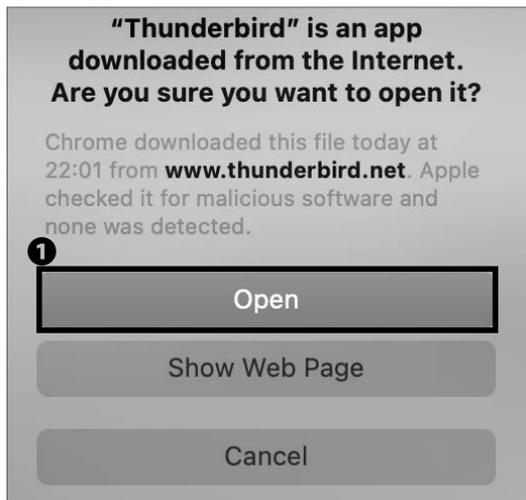
## 03

Drag and drop the **1** "Thunderbird" icon onto **2** the Applications folder.



## 04

Open Finder and click **1** "Applications," then double-click **2** "Thunderbird."

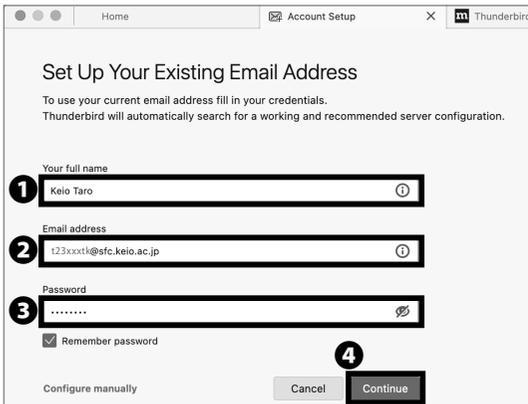


## 05

A dialog box similar to the one shown on the left will appear. Next, click 1 "Open."

Start Up 1

Wireless LAN 2



## 06

Type your full name in 1 "Your name" and "[your CNS login name]@sfc.keio.ac.jp" in 2 "Email address." Type your IMAP/SMTP-AUTH password in 3 "Password." Check your information and click 4 "Continue."

CNS Mail 3

CNS Printers 4

**Set Up Your Existing Email Address**  
 To use your current email address fill in your credentials.  
 Thunderbird will automatically search for a working and recommended server configuration.

Your full name  
 Taro Keio

Email address  
 t22xxtk@sfc.keio.ac.jp

Password  
 .....

Remember password

Configuration found at email provider.

**Available configuration**

**IMAP**  
 Keep your folders and emails synced on your server

Incoming **IMAP** **SSL/TLS**  
 imap.sfc.keio.ac.jp

Outgoing **SMTP** **STARTTLS**  
 smtp.sfc.keio.ac.jp

**Username**  
 t22xxtk

Configure manually Cancel **Done**

# 07

Thunderbird will start searching for your email account, wait until you see the message "Configuration found at email provider." If the message is displayed, click ❶ "Done".  
 If the message is not displayed, click "Cancel" and then click "Configure manually..."

**Manual configuration**

**❶ INCOMING SERVER**

Protocol: IMAP

Hostname: imap.sfc.keio.ac.jp

Port: 993

Connection security: SSL/TLS

Authentication method: Encrypted password

Username: t22xxtk

**❷ OUTGOING SERVER**

Hostname: smtp.sfc.keio.ac.jp

Port: 465

Connection security: SSL/TLS

Authentication method: Encrypted password

Username: t22xxtk

Advanced config

Re-test **❸** Cancel **Done** **❹**

Thunderbird will attempt to auto-detect fields that are left blank.

# 08

Next, type the following incoming and outgoing mail server information into the settings window as shown.

### ❶ Incoming Receiving Server (IMAP)

Server hostname	imap.sfc.keio.ac.jp
Port	993
Protocol	SSL/TLS
Authentication	Encrypted password
Username	your CNS login name

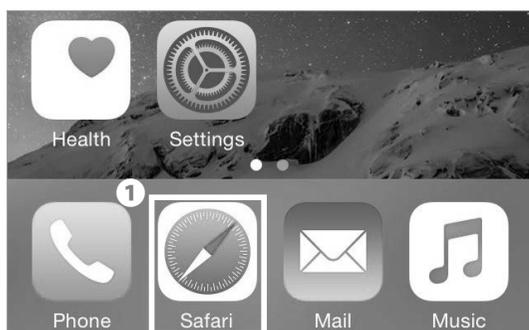
### ❷ Outgoing Sending Server (SMTP)

Server hostname	smtp.sfc.keio.ac.jp
Port	465
Protocol	SSL/TLS
Authentication	Encrypted password
Username	your CNS login name

Once you have entered all the settings, click ❸ "Re-test."  
 After Thunderbird confirms the mail server information, click ❹ "Done."

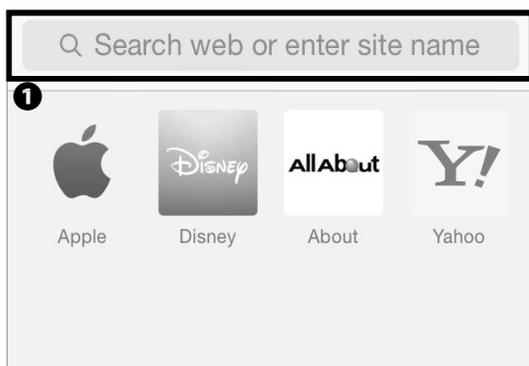
## 5

## Configuring Your CNS Mail on Your iOS Device



## 01

On your home screen, tap ❶ "Safari."



## 02

Type the following URL in ❶ and go to the registration page or scan the following QR code :

⇒ <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>



Wireless LAN configuration for iPhone:

- Issue of the private certificate
- Download of configuration profile for iPhone

CNS login name	❶	<input type="text" value="i23xxxtk"/>
CNS login password	❷	<input type="password" value="*****"/>
	❸	<input type="button" value="start registration"/>

## 03

Type your CNS login name in ❶ "CNS login name" and your CNS login password in ❷ "CNS login password."

Then, tap ❸ "start registration."

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

**logout**

### Issue of the personal certificate

1 **Issue** **go** 2

Issue    Issue the personal certificate

---

[Keio university\\_SFC-ITC](#)

## 04

If this is your first time creating a personal certificate, select "Issue" in ❶ and tap ❷ "go."

**New students have already issued a personal certificate at the time of CNS account pre-registration, so select "Download" and move on to STEP 06.**

If you have already issued your personal certificate and the certificate is still valid, select "Download" in ❶, tap ❷ "Submit", and skip to STEP 06. If your certificate has expired, select "Reissue" in ❶ and tap ❷ "go." If you select "Reissue," your previous certificate will be invalidated.

You can confirm the expiration date of your certificate by following the instructions at the following site. Once the expiration date has passed, you will not be able to connect to the campus wireless LAN, so you will need to delete the old certificate and reissue a new one. For more details, please refer the website below.

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_802\\_1x\\_renew.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_802_1x_renew.html)

### Device registration for CNS Wireless LAN

**logout**

■ This process will issue the personal certificate.

Please enter the passphrase for the encryption of the personal certificate.  
You need your passphrase to install the personal certificate.

Please enter the passphrase:  ❶ (8 characters)

Please enter the passphrase again (confirmation):  ❷

❸ **Issue the personal certificate**

[Cancel the registration university SFC-ITC](#) | [SFC-ITC web site](#) | [SFC official web site](#) | [Keio](#)

## 05

Make a new passphrase for your personal certificate. This password is necessary to protect your personal certificate from unauthorized use. It must contain at least 8 characters. Enter your passphrase to ❶ • ❷, and tap ❸ "Issue the personal certificate." This passphrase will be used in STEP 18.

### for iPhone

Profile(A) - Wireless LAN connection only	<b>❶</b> <b>Download</b>
Profile(B) - Wireless LAN connection + VPN setting + mail(IMAP) setting	<b>Download</b>
Profile(C) - Wireless LAN connection + mail(IMAP) setting	<b>❶</b> <b>Download</b>

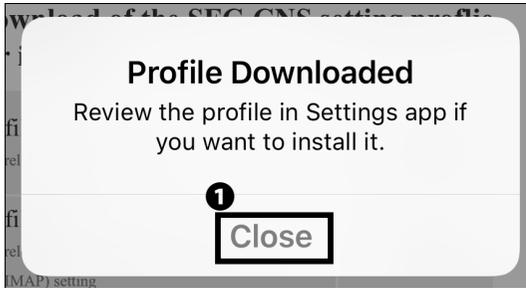
## 06

Tap ❶ "Download" in Profile (C).



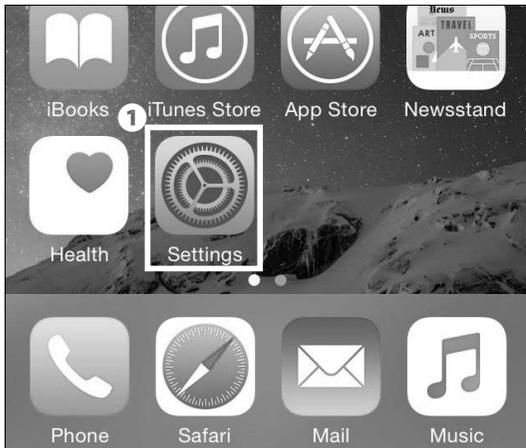
# 07

The dialog box shown on the left side will appear. Tap ❶ "Allow."



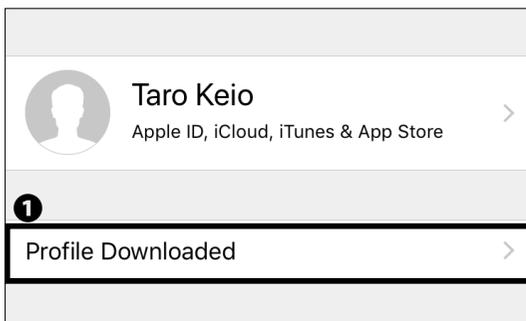
# 08

Tap ❶ "Close."



# 09

On your home screen, tap ❶ "Settings."



# 10

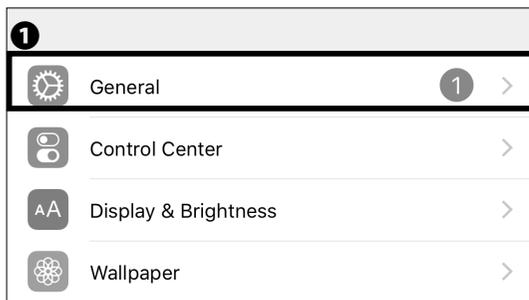
If ❶ "Profile Downloaded" is displayed, tap it and go on to STEP 13.

Start Up 1

Wireless LAN 2

CNS Mail 3

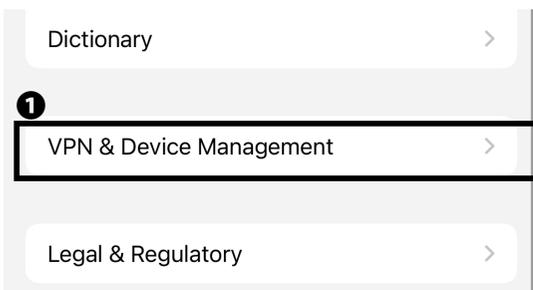
CNS Printers 4



11

If "Profile Downloaded" is not displayed in Settings, tap

1 "General."



12

Tap 1 "VPN & Device Management."



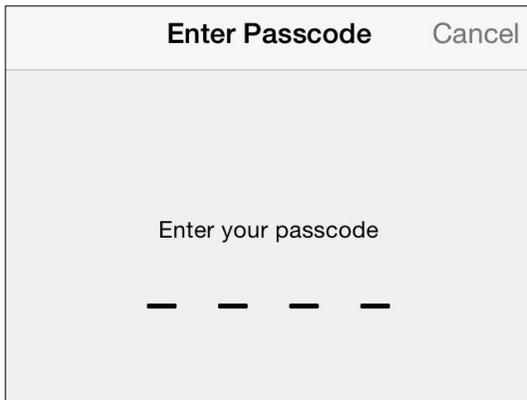
13

The downloaded profile will be displayed. Tap the 1 Profile.



14

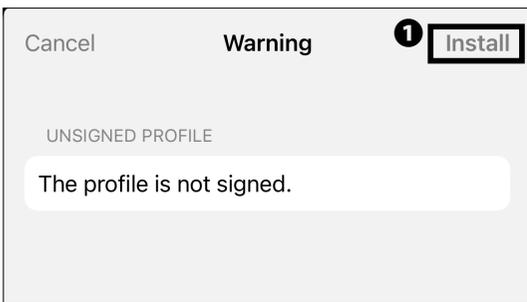
Tap 1 "Install."



# 15

Type your iOS device passcode.

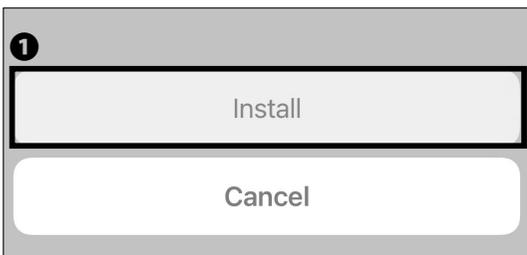
Start Up 1



# 16

Tap 1 "Install"

Wireless LAN 2



# 17

Tap 1 "Install"

CNS Mail 3



# 18

Type your personal certificate passphrase from STEP 05 in 1 and tap 2 "Next."

\* If you have forgotten the passphrase, return to STEP 04 and reissue your personal certificate.

CNS Printers 4

Cancel **Enter Full Name** Next

ENTER YOUR FULL NAME FOR THE EMAIL ACCOUNT  
"SFC-CNS IMAP"

①

Required by the "SFC-CNS 利用設定" profile

19

① Type your full name for the email account.

Cancel **Enter Password** ② **Next**

ENTER YOUR PASSWORD FOR THE INCOMING MAIL  
SERVER "SFC-CNS IMAP"

①

Required by the "SFC-CNS 利用設定" profile

20

Type your IMAP/SMTP-AUTH password in ① and tap ② "Next."

**Profile Installed** ① **Done**

 **SFC-CNS 利用設定**  
慶應義塾湘南藤沢ITC

Signed by **Not Signed**

Description SFC-CNSの利用設定(無線LAN,VPN,  
メール(IMAP))

21

Tap ① "Done."



22

On your home screen, tap ① "Mail" and make sure a new mailbox is added to your iOS device.

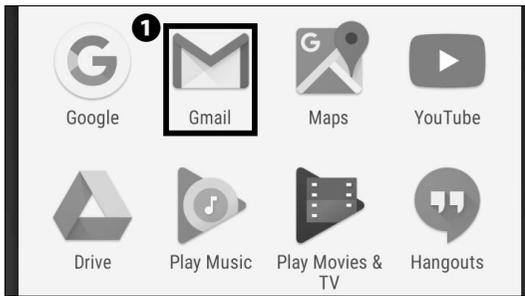
Configuring Your CNS Mail on Your iOS Device is completed.

\* The new personal certificate may not be installed properly if you have older profiles installed. Make sure to delete any older SFC-CNS profiles first, then try again if you encounter problems.

# 6

## Configuring Your CNS Mail on Your Android Device

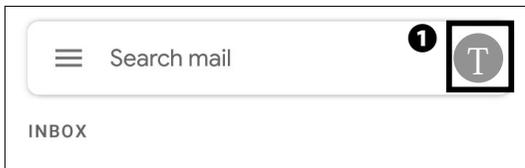
Start Up 1



### 01

Tap **1** "Gmail" from the home page or the list of apps. If an email address is not set up in Gmail, go to STEP04.  
 \* The settings and procedure may vary from device to device. However, the procedure for configuring a mail server are the same.

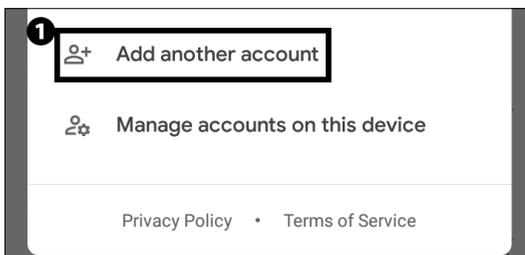
Wireless LAN 2



### 02

Tap the **1** "account icon" shown on the search bar and a list of accounts will be displayed.

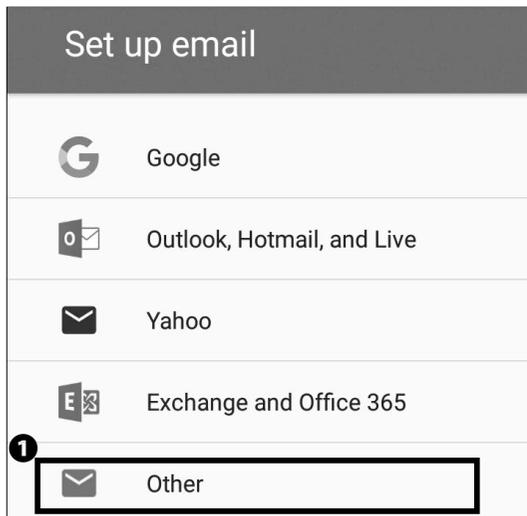
CNS Mail 3



### 03

Tap **1** "Add another account".

CNS Printers 4



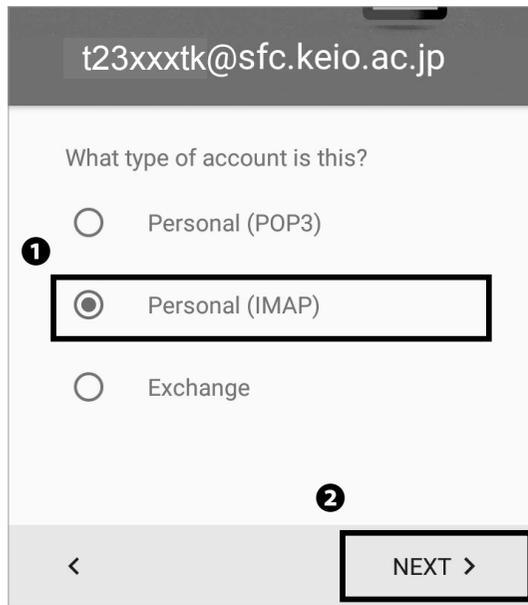
## 04

Tap **1** "Other."



## 05

Type "[your CNS login name]@sfc.keio.ac.jp" in **1** .  
Then, tap **2** "NEXT >."

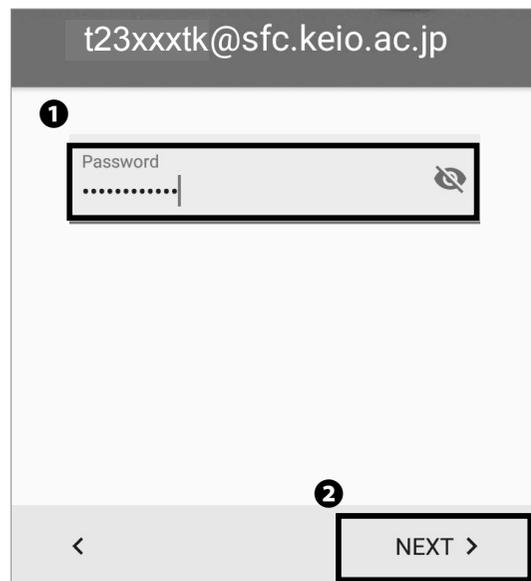


## 06

Tap **1** "Personal (IMAP)" and tap **2** "NEXT >."

Start Up 1

Wireless LAN 2



## 07

Type your IMAP/SMTP-AUTH password in **1** and tap **2** "NEXT >."

CNS Mail 3

CNS Printers 4

**Incoming server settings**

Username  
t23xxxtk

Password  
.....  

Server  
imap.sfc.keio.ac.jp

**1**

< **NEXT >**

## 08

Enter the following settings:

<b>Username</b>	your CNS login name
<b>Password</b>	your IMAP/SMTP-AUTH password
<b>Server</b>	imap.sfc.keio.ac.jp

Once typed correctly, tap **1** "NEXT >."

**Outgoing server settings**

**1** Require signin

Username  
t23xxxtk

Password  
.....  

SMTP server  
smtp.sfc.keio.ac.jp

**2**

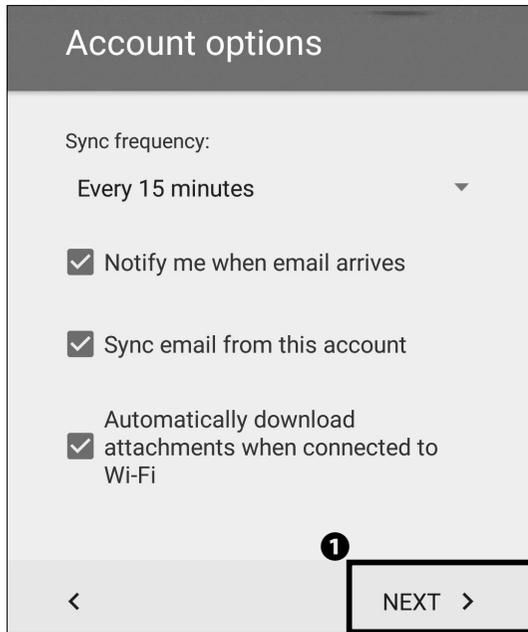
< **NEXT >**

## 09

Next, type the information below if necessary.

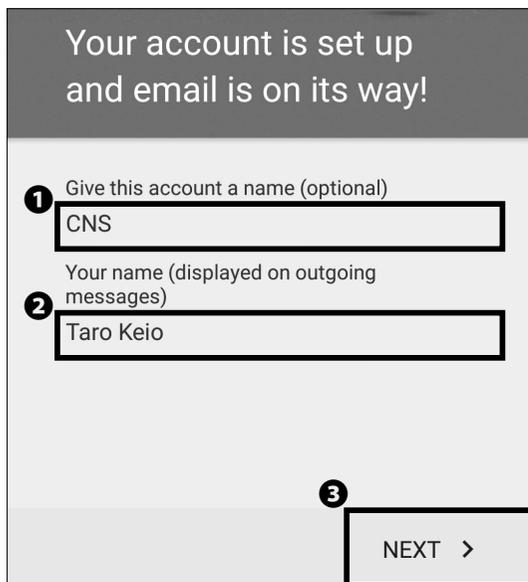
<b>Username</b>	your CNS login name
<b>Password</b>	your IMAP/SMTP-AUTH password
<b>SMTP server</b>	smtp.sfc.keio.ac.jp

Check **1** "Require signin." Once entered correctly, tap **2** "NEXT >."



## 10

You can modify your account options if you desire. Once you finished choosing your options, tap **1** "NEXT >."



## 11

Type "CNS" (or any other name you can use to distinguish from other mail accounts) in **1** "Give this account a name (optional)" and your full name in **2** "Your name (displayed on outgoing messages)." Then, tap **3** "NEXT >" to finish.

Configuring Your CNS Mail on Your Android Device is completed.

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

## 7

## Various Settings in CNS Mail

Open a web browser and go to the following URL:

⇒ <https://itcsecure.sfc.keio.ac.jp/form/mailsetup/>

Type your CNS login name in ❶ and your CNS login password in ❷. Then, click ❸ "Login."

In SFC-CNS mailsetup, you can perform the following actions:

- Changing your IMAP/SMTP-AUTH password
- Setting up mail forwarding
- Configuring spam filtering

## Setting Up Mail Forwarding

## 01

From the "mailsetup" menu, click ❶ "Mail forwarding."

## 02

Type your desired destination email address in ❶ "Add Mail forwarding address" and click ❷ "Add."

Depending on mail settings for a forwarding address, emails may not be sent properly. If so, check your email settings, such as spam filters, to make sure that you can receive emails properly.

### SFC-CNS mailsetup

IMAP/SMTP-AUTH パスワード  
IMAP/SMTP-AUTH password

メール転送  
Mail forwarding

スパムポリシー  
Spam policy

#### Mail forwarding

Logout

l.keio@keio.jp はすでに転送先として登録されています  
(l.keio@keio.jp already exists.)

現在のメール転送設定 (Current forwarding addresses)

転送先アドレス forwarding mail address
<input checked="" type="checkbox"/> l.keio@keio.jp

SFC-CNS に届く全てのメールは SFC-CNS のメールボックスと転送先に配送されます。  
All e-mails will be sent to SFC-CNS mailbox and forwarding address.

**1**  **Delete**

メール転送先の追加 (Add Mail forwarding address)

**Add**

Shonan Fujisawa ITC, Keio University

## 03

Confirm that the email address you added is listed under "Current forwarding addresses."

If you want to stop mail forwarding, check the box next to the email address that you want to delete in **1** "forwarding mail address" and click **2** "Delete."

If you want to change the email address used in mail forwarding, delete your previous mail forwarding setting and add your new email address according to STEP 01 ~

02.

## Configuring Spam Filter

### SFC-CNS mailsetup

IMAP/SMTP-AUTH パスワード  
IMAP/SMTP-AUTH password

メール転送  
Mail forwarding

スパムポリシー  
Spam policy

#### About this page

Logout

**1** このページではメールに関する以下の設定が可能です  
• IMAP/SMTP-AUTH パスワードの作成/変更  
• メール転送設定  
• スпамポリシー設定

You can set email services in SFC-CNS on this page.

- Create or change IMAP/SMTP-AUTH password
- Mail forwarding
- Spam policy

## 01

From the mailsetup menu, click **1** "Spam policy."

### SFC-CNS mailsetup

IMAP/SMTP-AUTH パスワード  
IMAP/SMTP-AUTH password

メール転送  
Mail forwarding

スパムポリシー  
Spam policy

#### Spam policy

Logout

スパムポリシー設定  
(Spam policy configuration)

ポリシー名 (Policy name)	説明 (Description)
<input checked="" type="radio"/> 隔離 (Quarantine)	[Current] スパムメールは隔離用サーバに隔離されます Spams mail will be quarantined.
<input type="radio"/> タグ (Tag)	スパムメールはサブジェクト及び、ヘッダにタグ付けされます Spam mails will be tagged in Subject and mail header.
<input type="radio"/> 設定しない (No filtering)	スパムはタグ無しでそのまま配送されます Spam mails will be delivered without tagging.

スパム判定基準(Spam threshold)

左のボタンをクリックすると Normal と Strong を選択出来ます。  
(To select criteria of spam is available with this button.)  
\* Strong にするとスパムと判定されるメールが多くなります。  
(If you select strong, the mail judged as spam will be increased.)

Normal **1** **Change**

## 02

Select which policy you wish to apply and click **1** "Change." In spam policy configuration, there are three options: "Quarantine," "Tag," and "No filtering." In "Quarantine" mode, emails that are judged as spam will be isolated on the mailserver you are using. In "Tag" mode, any spam emails will be identified as spam in the subject line and header. The default setting is "Quarantine."

### SFC-CNS mailsetup

IMAP/SMTP-AUTH パスワード  
IMAP/SMTP-AUTH password

メール転送  
Mail forwarding

スパムポリシー  
Spam policy

#### Spam policy

Logout

スパムポリシー設定  
(Spam policy configuration)

ポリシー名 (Policy name)	説明 (Description)
<input checked="" type="radio"/> 隔離 (Quarantine)	[Current] スパムメールは隔離用サーバに隔離されます Spams mail will be quarantined.
<input type="radio"/> タグ (Tag)	スパムメールはサブジェクト及び、ヘッダにタグ付けされます Spam mails will be tagged in Subject and mail header.
<input type="radio"/> 設定しない (No filtering)	スパムはタグ無しでそのまま配送されます Spam mails will be delivered without tagging.

スパム判定基準(Spam threshold)

左のボタンをクリックすると Normal と Strong を選択出来ます。  
(To select criteria of spam is available with this button.)  
\* Strong にするとスパムと判定されるメールが多くなります。  
(If you select strong, the mail judged as spam will be increased.)

**1**  Normal **Change**

## 03

Make sure the policy that you selected is highlighted with bold and tagged "[Current]."

By clicking **1**, you may change the spam threshold to either "Normal" or "Strong."



# 4

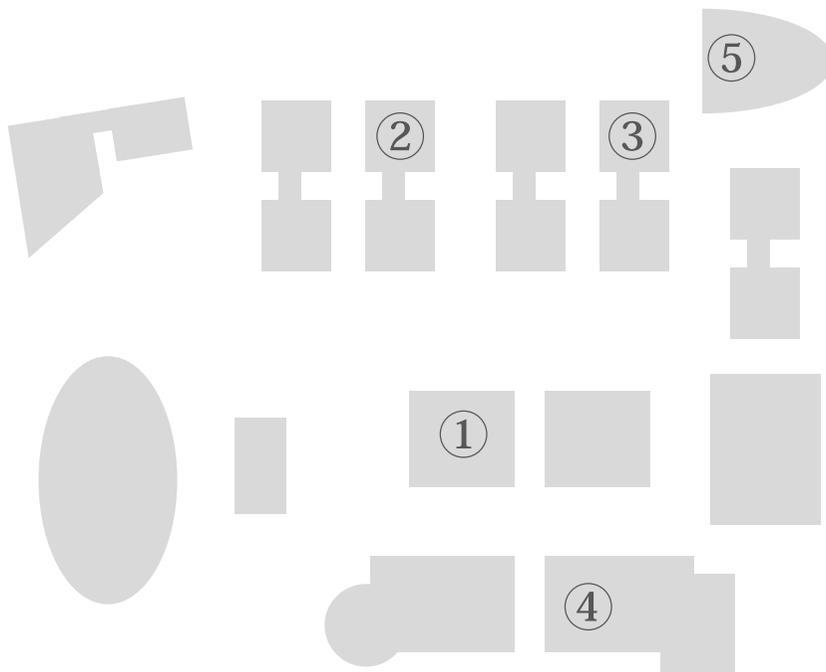
## CNS Printers

Explaining how to use CNS Printers on SFC.

Using Printers at SFC	78
Location of the Printers	78
Printing Charge (Points)	79
Operation of CNS Printers	79
Use user portal site	81
How to check point balance	82
How to charge additional points	84
Printing from On-Campus Computers	85
Printing from On-Campus Windows	85
Printing from On-Campus Macs	86
Printing from Your PC (Windows 11)	87
Printing from Your Mac (macOS)	90
Printing from Your iOS	92
Printing from Your Android	94
Printing from web print	98

## 1

## Using Printers at SFC

Location of the Printers

Map number	Location of the CNS Printers
①	Media Center (2 devices installed)
②	ε (epsilon) research building 1F lobby
③	ο (omicron) research building 1F lobby
④	In front of Academic Affairs Office counter on the main building
⑤	τ (tau) building 2F loft, attached finisher only for tau building users*
-	205 class room on the Faculty of Nursing and Medical Care Faculty Building
-	Faculty of Nursing and Medical Care Faculty Library
-	Nursing and Medical Care the Co-op store

## Printing Charge (Points)

Type	Printing Charges	
Black and White	One-Sided ¥ 5 / page	Double-Sided ¥ 10 / page
Color	One-Sided ¥ 15 / page	Double-Sided ¥ 30 / page

### 01

Your printing account is refilled with 2,500 yen each year. If you use more than the initial balance, you can charge your account with a prepaid printer card (1 point = 1 yen) to pay for any excess usage. Additional points you purchase and load to your CNS account will be carried over to the next academic year as long as your CNS account remains active.

Be careful when selecting the printer type; for example, printing double-sided will cost the same as two pages, and when printing a black-and-white document with the color printer setting, you will be charged the color printing rate.

### 02

In order to prevent paper jams or other malfunctions, using different paper is not allowed.

In addition, if your account does not have a sufficient point balance, you will not be able to print.

## Operation of CNS Printers



### 01

The following section describes how to use the printer after you send a printing job(s) from a computer.

On the terminal installed next to a printer, tap **1** "English."



### 02

Type your CNS login name and tap **1** "Log in."



## 03

After logging in, select the job to be printed from the list of jobs displayed. At this time, you can select whether to print all jobs in the check box ❶ or whether to print each job in the check box ❷ . After you have finished making your selections, touch ❸ "Print".



## 04

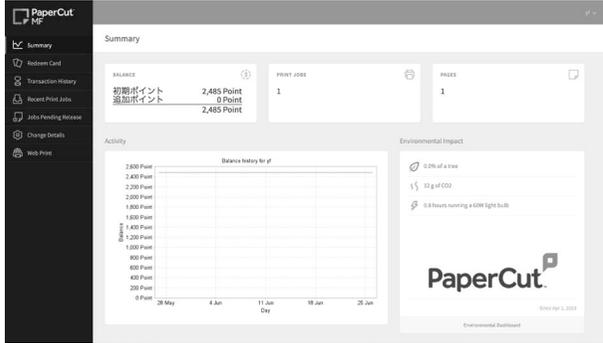
After printing is finished, select the job you want to delete from the list of jobs displayed, and touch the ❶ "Trash" icon to delete the print job.



## 05

Please be sure to "log out" after completing the operation.

## Use user portal site



### 01

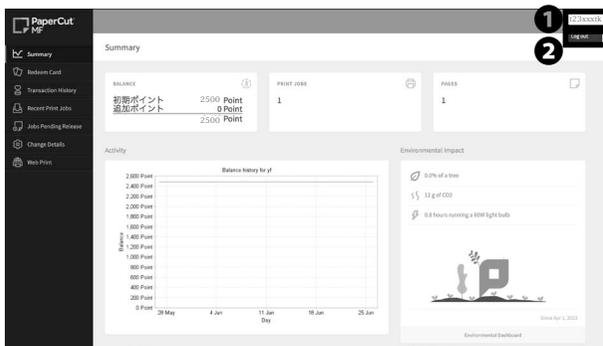
The user portal site is a web page that allows users to check their print history and point balance, recharge additional points, and print on the web.



### 02

Start a web browser and access the following URL  
⇒ <https://prn23.sfc.keio.ac.jp/>

Enter your CNS login name in the ❶ field and your CNS login password in the ❷ field, and then click ❸ "Login".



### 03

As shown in the image, click ❶ "Login Name" and then click ❷ "Logout" to log out.

## How to check point balance



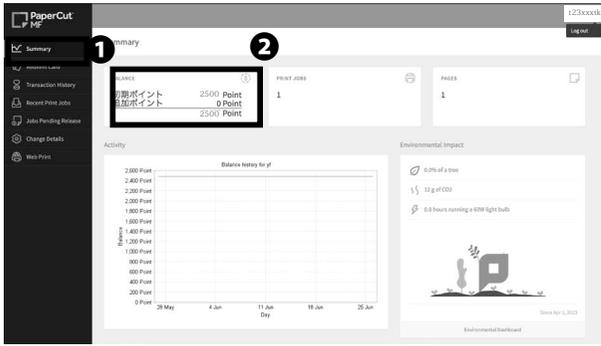
# 01

We will explain how to check the balance using the user portal site.

Start a Web browser and access the following URL

⇒ <https://prn23.sfc.keio.ac.jp/>

Enter your CNS login name in the **1** field and your CNS login password in the **2** field, and then click **3** "Login".



# 02

After logging in, click **1** "Summary" and your point balance will be displayed in **2** "Balance".

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

## How to charge additional points

ポイントの換金、返金はできません

**300 Point**

印刷ポイント用プリペイド・カード

Card Number

利用方法:

- 1) ポータル「<https://prn23.sfc.keio.ac.jp/>」へログイン
- 2) メニューから「プリペイド・カードの登録」を選択
- 3) 「カード番号」欄に上記カード番号を入力
- 4) 「プリペイド・カードの登録」をクリック

ポータルURL

有効期限: 2027/03/31

### 01

Please purchase a prepaid card for charging additional points at Keio Co-op Fujisawa Store and Nursing and Medical Care Store.

Additional points are non-transferable and non-refundable.

Additional points can be used across fiscal years, but they will be lost when your CNS account expires, such as at graduation. No refunds will be made in such cases.

### 02

Start a web browser and access the following URL

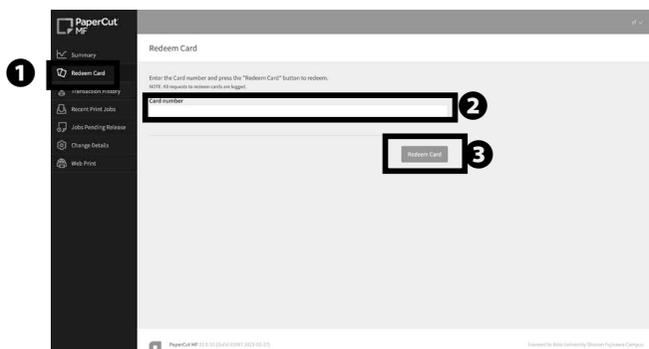
⇒ <https://prn23.sfc.keio.ac.jp/>

Enter your CNS login name in the ❶ field and your CNS login password in the ❷ field, and then click ❸ "Login".



### 03

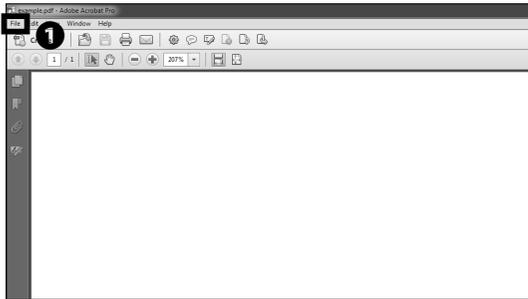
After logging in, click ❶ "Redeem Card", enter the card number on the prepaid card in ❷ "Card number", and then click ❸ "Redeem Card". This is the end of the procedure for registering additional points. If you wish to register more than one card, please register the number of cards you wish to register in the ❷ "Card number" field.



# 2

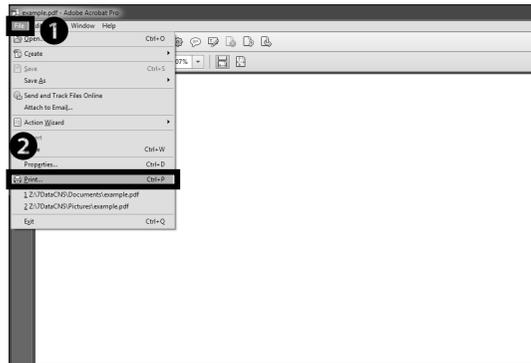
## Printing from On-Campus Computers

### Printing from On-Campus Windows



### 01

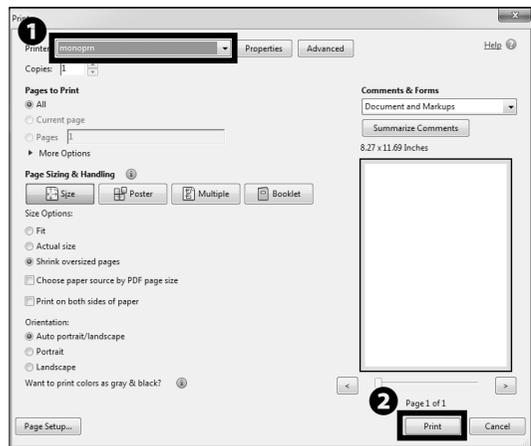
No specific configuration is necessary when you are printing your document(s) from on-campus computers. In this section, the steps to print a PDF file will be explained. Click ❶ "File" from the menu.



### 02

Click ❷ "Print..." from the menu ❶ "File."

Alternatively you could also press the Ctrl (Control) key and the P key at the same time for a shortcut.



### 03

In section ❶, for black-and-white document(s), select "monoprn." For color document(s), select "colorprn." Then, click ❷ "Print."

Your document(s) will be sent to CNS printers as printing job(s). Go to a nearby CNS printer to print your document(s).

Note that the color printing charge will be applied to black-and-white document(s) if "colorprn" is selected.

Start Up 1

Wireless LAN 2

CNS Mail 3

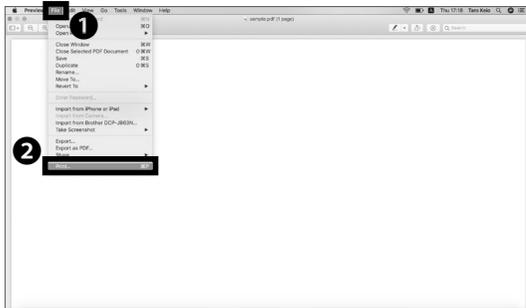
CNS Printers 4

## Printing from On-Campus Macs



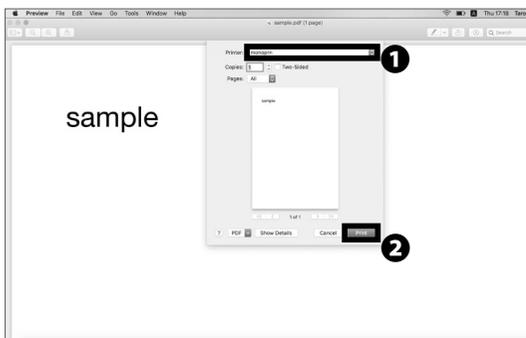
01

No specific configuration is necessary when you are printing your document(s) from on-campus computers. In this section, the steps to print a PDF file will be explained. Click **1** "File" from the menu.



02

Click **2** "Print..." from the **1** "File" menu. Alternatively, you could also hit the Command key and the P key as a shortcut.



03

In section **1**, for black-and-white document(s), select "monoprn." For color document(s), select "colorprn." Then, click **2** "Print."

Your document(s) will be sent to CNS printers as printing job(s). Go to a nearby CNS printer to print your document(s).

Note that the color printing charge will be applied to black-and-white document(s) if "colorprn" is selected.

# 3

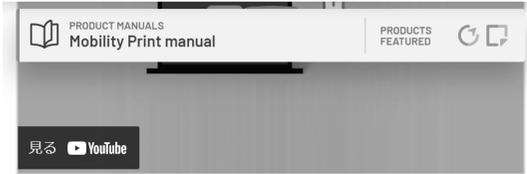
## Printing from Your PC (Windows 11)

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4



### Set up

Click [this link](#) to download and run the Mobility Print installer.

You'll be prompted to select the printers you want to use, and to enter your PaperCut username and password.

When it's time to print, just print like you normally do. Be sure to use a printer you

### 01

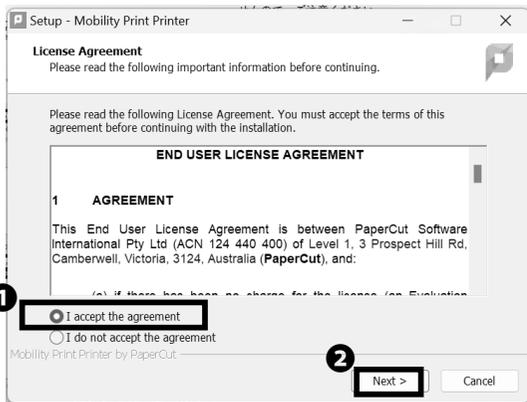
You can send print data from your own PC directly to printers on SFC. Please obtain the installation file from the following URL ⇒ <https://www.papercut.com/support/resources/manuals/mobility-print/mobility-print-devices/topics/en/client-setup-windows.html>

To print on your personal terminal, you must be connected to the SFC campus network.

Please connect to the wireless LAN CNS, CNS2, CNS3, keiomobile2 or wired LAN. Please note that you cannot print using eduroam.

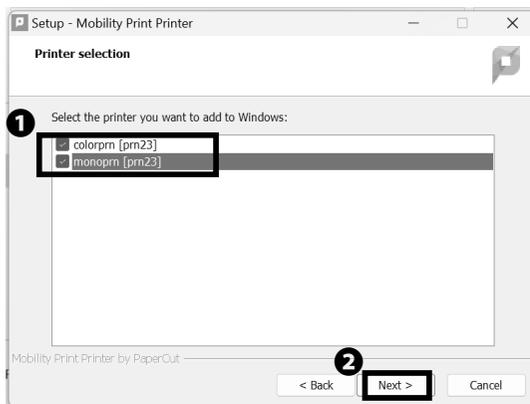
This method is not available when sending print data from off-campus. Please use Web Print. (See [p98: Printing from web print].

Please also note that this printing procedure cannot be set up from outside SFC, so please set it up within SFC.



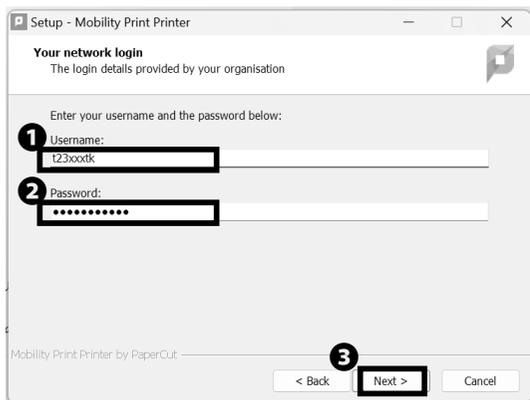
### 02

Please read the Acceptable Use Agreement and click ① "I accept the agreement" and ② "Next".



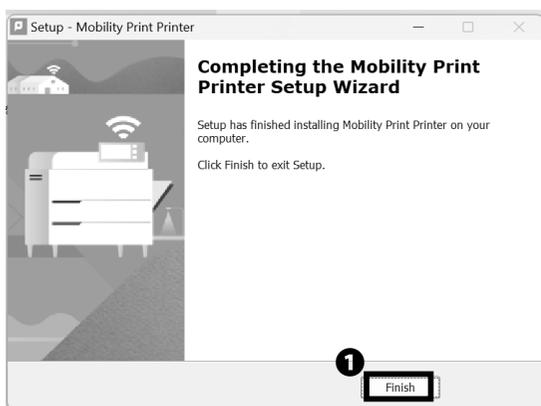
03

Click **1** "monoprn" and "colorprn", then click **2** "Next".



04

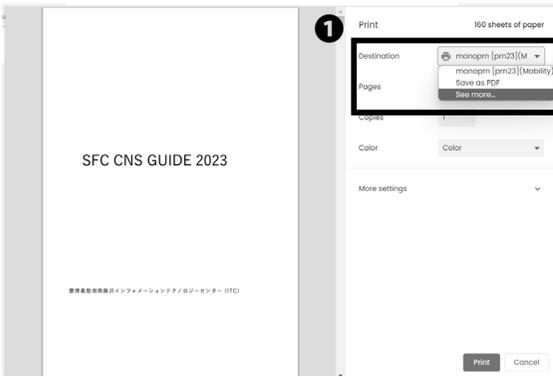
Enter the **1** "login name" and **2** "CNS login password" of your CNS account and click **3** "Next".



05

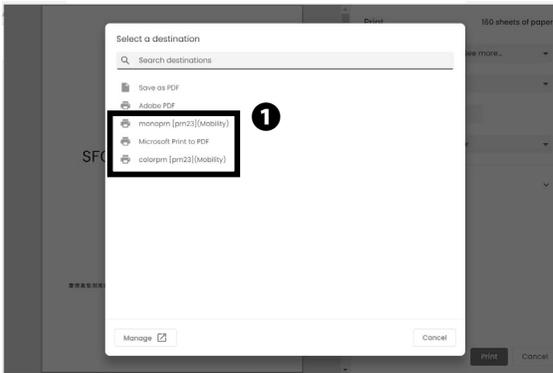
Click on **1** "Finish".

Steps 01 through 05 are required only for the first time.



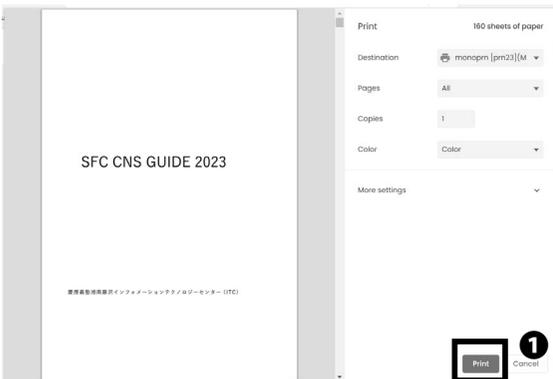
# 06

Click on ❶ "Destination", and Click "See more..."



# 07

In the ❶ "Destination" field, select monoprn for monochrome or colorprn for color.



# 08

Click ❶ "Print".

# 09

Perform the specified operation on the touch panel of the printer you want to print out. (See [P79. Operation of CNS Printers.].)

This is the end of the procedure for printing within SFC on a personal terminal (Windows 11).

Start Up 1

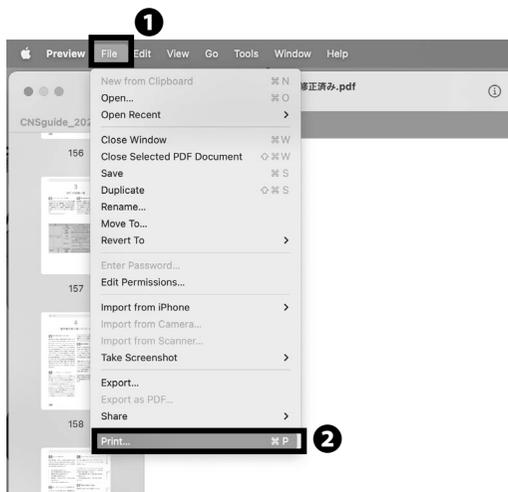
Wireless LAN 2

CNS Mail 3

CNS Printers 4

## 4

## Printing from Your Mac (macOS)



## 01

You can send print data from your PC directly to printers on SFC. In this section, we will explain the procedure for printing a PDF file as an example. Click on **1** "File" at the top of the screen.

To print on your personal terminal, you must be connected to the SFC campus network.

Please connect to the wireless LAN CNS, CNS2, CNS3, keiomobile2 or wired LAN. Please note that you cannot print using eduroam.

This method is not available when sending print data from off-campus. Please use Web Print. (See [p98: Printing from web print].

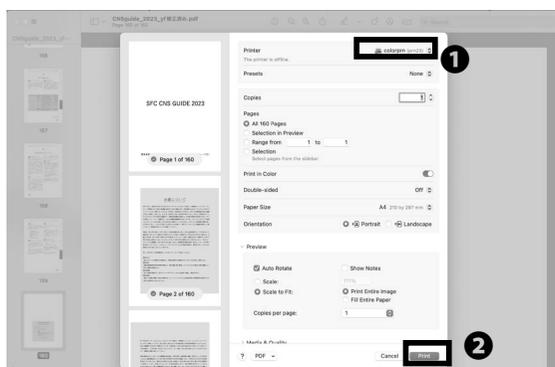
Please also note that this printing procedure cannot be set up from outside SFC, so please set it up within SFC.

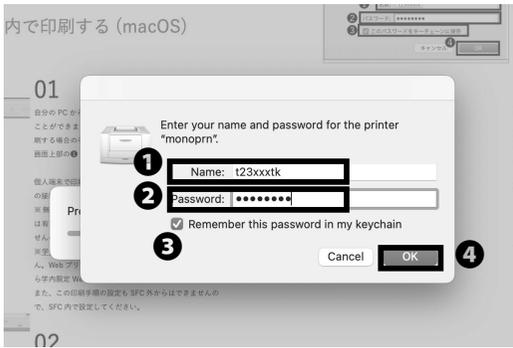
## 02

Click on **2** "Print". In addition to the procedures described here, many applications have shortcuts that allow you to quickly access the print screen by pressing the command key and the P key simultaneously.

## 03

In the **1** "Printer" field, select monoprn for monochrome or colorprn for color, and click **2** "Print".





## 04

Enter your CNS login name in the ❶ "Name" field, enter your CNS login password in the ❷ "Password" field, check the ❸ "Remember this password in the my keychain" checkbox, and click ❹ "OK".

## 05

Perform the specified operation on the touch panel of the printer you want to print out. (See [P79: Operation of CNS Printers].)

This is the end of the procedure for printing within SFC on a personal terminal (macOS).

Start Up 1

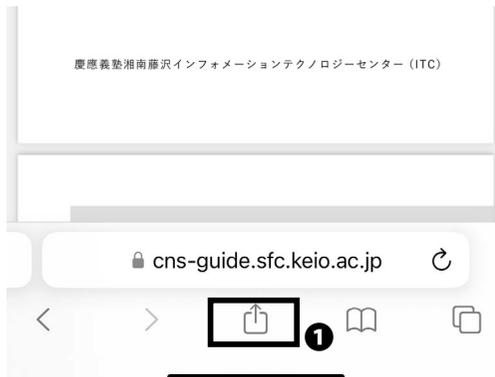
Wireless LAN 2

CNS Mail 3

CNS Printers 4

## 5

## Printing from Your iOS



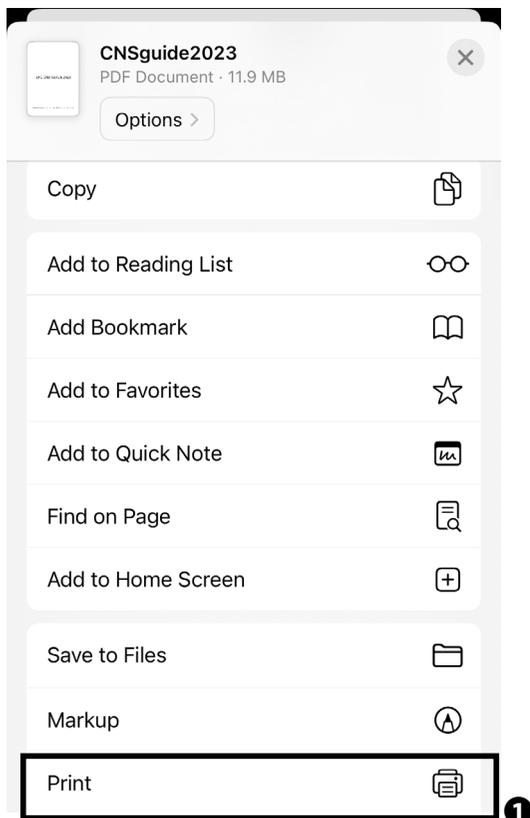
## 01

You can send print data directly from your terminal to printers on SFC. This section describes the procedure for printing a PDF file as an example. Tap the ❶ "share icon" of the data or site you want to print.

To print from your personal terminal, you must be connected to the SFC campus network. Please connect to the wireless LAN CNS, CNS2, CNS3, keiomobile2 or wired LAN. Please note that you cannot print using eduroam.

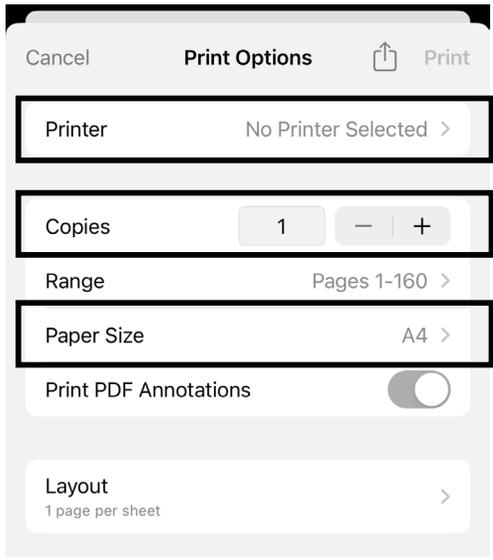
This method is not available when sending print data from off-campus. Please use Web Print. (See [P98: Printing from web print].)

Please also note that this printing procedure cannot be set up from outside SFC, so please set it up within SFC.



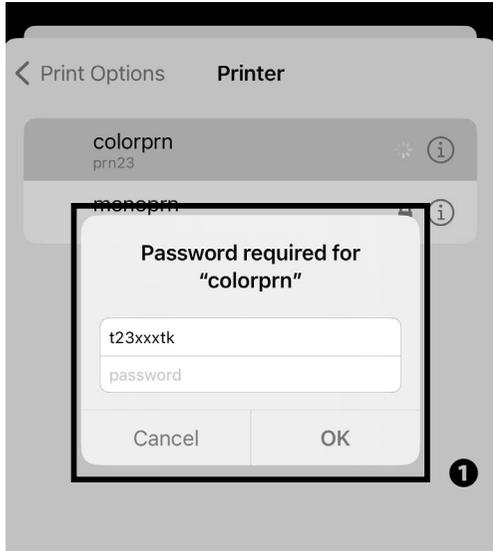
## 02

Tap ❶ "Print".



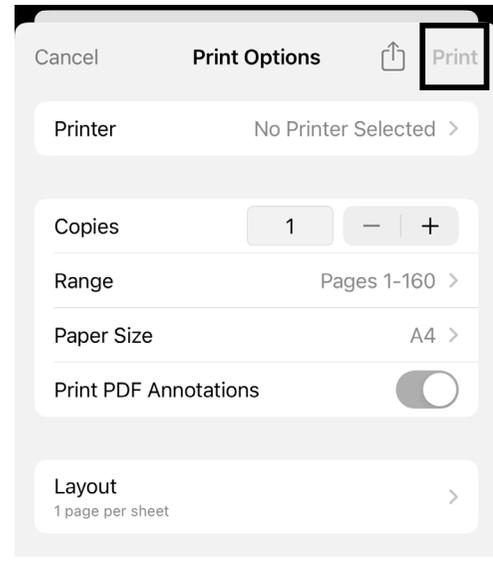
# 03

In ❶ "Printer", select monoprn for monochrome or colorprn for color, ❷ "Copies" and ❸ "Paper Size".



# 04

Enter the ❶ "CNS account login name" and "login password", and then tap "OK".



# 05

❶ then click ❶ "Print".

# 06

Perform the specified operation on the touch panel of the printer you want to print out. (See [p.79: Operation of CNS Printers].)

This is the end of the procedure for printing within SFC on a personal terminal (iOS).

Start Up 1

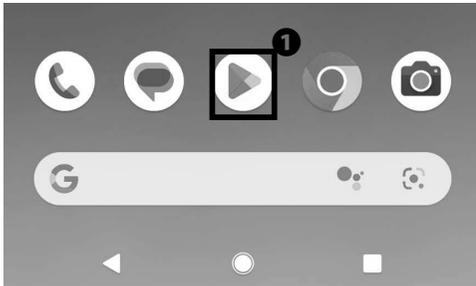
Wireless LAN 2

CNS Mail 3

CNS Printers 4

## 6

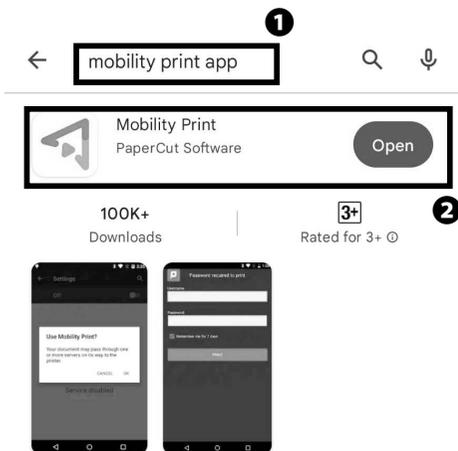
## Printing from Your Android



## 01

You can send print data directly from your terminal to printers on SFC.

This section describes the procedure for printing a PDF file as an example. Open the **1** Google Play Store from the home screen.



Simplify printing from your Android device with PaperCut Mobility Print

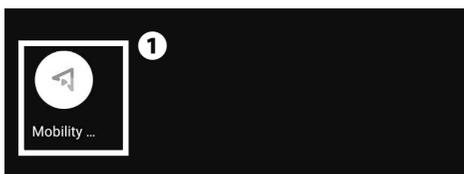
To print from your personal terminal, you must be connected to the SFC campus network. Please connect to the wireless LAN CNS, CNS2, CNS3, kei-mobile2 or wired LAN. Please note that you cannot print using eduroam.

This method is not available when sending print data from off-campus. Please use Web Print. (See [P98: Printing from web print].)

Please also note that this printing procedure cannot be set up from outside SFC, so please set it up within SFC.

## 02

Enter "**1** Mobility Print app" in the "**2** Search Window" and install the apps that appear in the search results.



## 03

Return to the home screen and launch the **1** application.



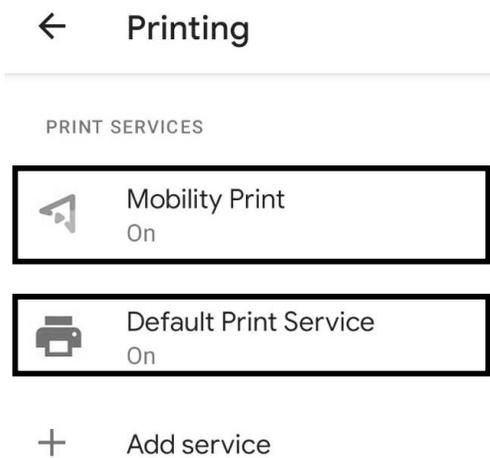
## 04

Start the application, tap **1**.

Start Up 1

Wireless LAN 2

CNS Mail 3

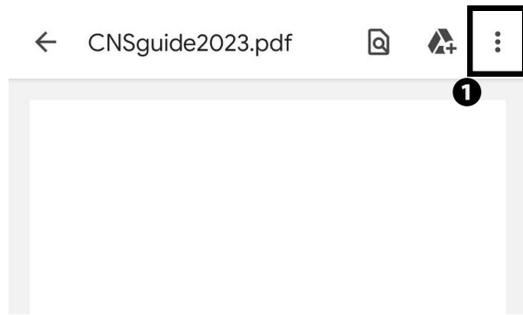


## 05

Check that both **1** and **2** are on.

Steps 01 to 04 are necessary only for the first time.

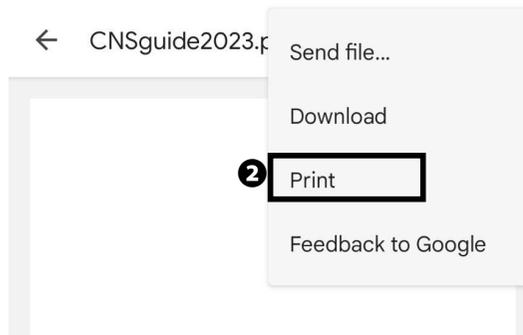
CNS Printers 4



# 06

Open the screen you want to print. This section describes the procedure for printing a PDF file as an example.

Press **1** "... " and select **2** "Print".





## 07

In **1** "Printer", select monoprn for monochrome or colorprn for color, **2** "Copies" and **3** "Paper size", and then click the icon **4**.

## 08

Print by performing the specified operation on the touch panel of the printer you wish to use. (See [P79: Operation of CNS Printers].)

This is the end of the procedure for printing within SFC on a personal terminal (Android).

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

## 7

## Printing from web print



## 01

Start a web browser and access the following URL  
 ⇒ <https://prn23.sfc.keio.ac.jp/>

Enter your CNS login name in the **1** field and your CNS login password in the **2** field, and click **3** "Login".

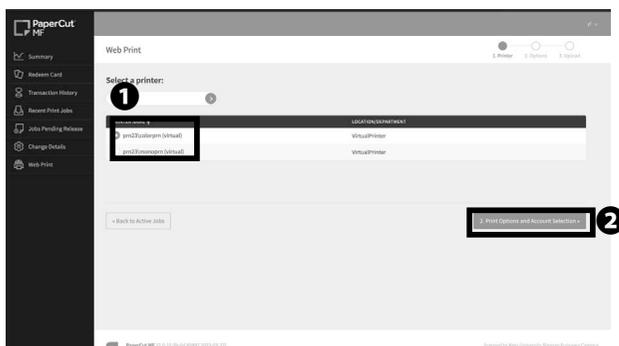
Web printing is available only for PDF files, and only for A4 paper size.

The example used here is for iOS, but there are no major changes for other devices or OS.



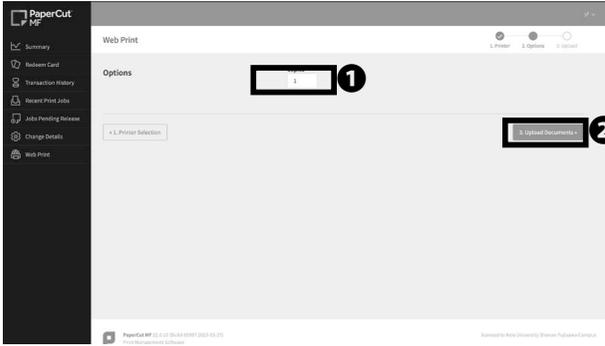
## 02

As shown in the image, click **1** "Web Print" and then click **2** "Submit a Job".



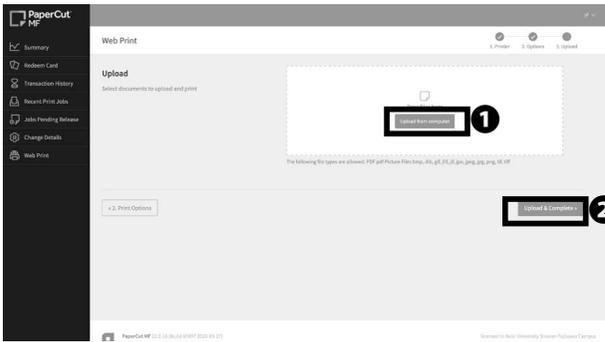
## 03

Select either black and white (prn23\monoprn) or color (prn23\colorprn) in **1** "Select a printer", and click **2** "Printing Options and Account Selection".



# 04

Enter the number of copies you wish to print from **1** "Number of Copies" and click on **2** "Upload Documents".



# 05

Drag the PDF file to **1** or click "Upload from Computer" to select the file you want to print, and then click **2** "Upload".

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4



# 5

## Antivirus

Explaining how to protect your computer from viruses.

Protecting Your Computers from Security Threats	102
Installing Antivirus Software on Your PC (Windows 11)	103
Installing Antivirus Software on Your Mac (macOS)	108
How to Update Your Windows / macOS System	116
Are Software Updates Important?	116
Updating Your Windows System (Windows 11)	116
Updating Your Mac System (macOS)	117

## 1

# Protecting Your Computers from Security Threats

## 01 Damage Caused by Computer Viruses

### Viruses

Once your computer is connected to the internet, there is a risk that your computer could be infected with viruses or other malicious software designed to exploit flaws in your computer. If infected, any of the following could occur without your knowledge:

- Theft of personal information
- Emails with spam or viruses are sent to people in your address book
- Your computer participates in attacks against other computers or networks

Computers infected with viruses or malware will generally try to spread and infect other computers on the network. In order to prevent the spread of malware, ITC reserves the right to, without any prior notification, restrict internet access for devices possibly infected with malware.

## 02 Antivirus Software

In order to minimize the risk of computer malware, you should ensure your computer is updated regularly (please refer to [p.116 : How to Update Your Windows / macOS System] ) and install antivirus software to help detect and remove any viruses on your computer.

## 03 Using ESET Smart Security

Keio University provides every student, faculty, and staff member with a license to use "ESET Smart Security" for Windows or macOS (on one computer). The following pages describe how to obtain and install this software.

Please note that antivirus software often does not function properly if you install two or more antivirus software programs on your computer (such as another program or a trial edition). If you have any other antivirus software installed on your computer, you should uninstall them before proceeding.

## 2

# Installing Antivirus Software on Your PC (Windows 11)



## 01

Open a browser and go to the URL:

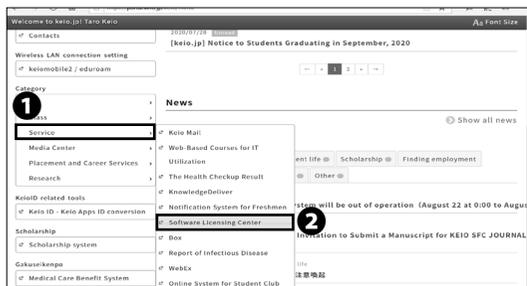
⇒ <http://keio.jp/>

Type your keio.jp ID in **1** "ID" and your keio.jp password in **2** "Password." Then, click **3** "Login."



## 02

Click **1** "English" at the top of the page.



## 03

Click **2** "Software Licensing Center" from the **1** "Service" menu.

## ソフトウェア利用ライセンス取得 -Software Licensing Center-

Home | Logout

**Information**

2016-04-04 概要：本システムについて

機能が限定されているソフトウェアライセンスをオンラインで取得・確認することが可能です。

ソフトウェア無断に利用条件が異なりますので、利用許諾書・利用条件を熟読の上、同意する場合は、ライセンスをご利用ください。

[PDF]  
ソフトウェアライセンス利用上の注意

**Available List**

Software	License usage	Expiration Date	Media
Microsoft 365 Apps (学生用 ライセンス) [目 Office 365 ProPlus]	詳細画面で確認してください	Enrollment period	Details Detail
ChemOffice+ (2023年度用ライセンス)	Agree to the EULA	Not agree	Download Detail
IThermocare (2023年度用ライセンス)	詳細画面で確認してください	2024-03-31	Details Detail
Zoom (for students FY2023) license	Please confirm the detail	2024-03-31	Details Detail
ESET License for 2023 academic year	Agree to the EULA	Not agree	Download <b>Detail</b> ①

# 04

Click ① "Detail" in the "ESET" row to read the EULA (End-User License Agreements).

Doing so does not mean that you have agreed to the EULA for ESET yet.

# 05

If you agree to the EULA (End-User License Agreements) and the Rules and Policy, click ① "Agree."

If you don't agree to the EULA or Rules and Policy, then you cannot use ESET and should not continue.

Please refer to the details on the following information.

Go to the description page

**Rule and Policy**

1. Available products of ESET (For Windows/Mac) As one person can use only one license, take one product for Windows or Mac. 2. License expiration date March 31 of current fiscal year 3. Authorized people Students and faculty and staff members who can use software licensing center at keio.jp. 4. Eligible computers Computers that are owned and managed by Keio, installed under a leasing agreement, or owned by eligible persons 5. Notes When using the software, please note the following: Duplicating the license without permission is regarded as a breach of contract. When you are no longer enrolled at Keio after retirement or graduation, you must uninstall the software. You must not allow your family members to use the computer on which the software is installed. You are responsible for all work related to installing and upgrading the software. IT assumes no responsibility for any problems caused by the installation before starting the installation process, check your computer configuration and system requirements, and back up your system. Visit this page regularly to get up-to-date information about this license. Comply with the terms of the license agreement when using the software. 6. How to use Login keio.jp and click Software Licensing Center. Select ESET from the

**Restriction**

- Eligible computers
  - Owned or Managed by Keio
  - Owned by Eligible Persons
- Multiple computers
  - Managed with External Funds and Not Owned by Keio

Duplicating a license without permission is considered a breach of contract.

When you are ① get enrolled at Keio after retirement or graduation, you must uninstall the software and license.

Display **Agree**

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## ソフトウェア利用ライセンス取得 -Software Licensing Center-

Home | Logout

**Information**

2016-04-04 概要：本システムについて

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[PDF]  
ソフトウェアライセンス利用上の注意

**Available List**

Software	License usage	Expiration Date	Media
Microsoft 365 Apps (学生用 ライセンス) [目 Office 365 ProPlus]	詳細画面で確認してください	Enrollment period	Details Detail
ChemOffice+ (2023年度用ライセンス)	Agree to the EULA	Not agree	Download Detail
IThermocare (2023年度用ライセンス)	詳細画面で確認してください	2024-03-31	Details Detail
Zoom (for students FY2023) license	Please confirm the detail	2024-03-31	Details Detail
ESET License for 2023 academic year	Agree to the EULA	Not agree	Download <b>Detail</b> ①

# 06

Go back to the license list.

Then, click ① "Detail."

## ソフトウェア利用ライセンス取得 -Software Licensing Center-

Home | Logout

**Location-Event**

ESET (License for 2023 academic year) [Agreed]

Please refer to the details on the following information.

Go to the description page

**License Information**

License Expiration Date 2024-03-31

Username EAW

Password

License Key ① **1024**

**EULA**

Display the EULA

**Rule and Policy**

1. Available products of ESET (For Windows/Mac) As one person can use only one license, take one product for Windows or Mac. 2. License expiration date March 31 of current fiscal year 3. Authorized people Students and faculty and staff members who can use software licensing center at keio.jp. 4. Eligible computers Computers that are owned and managed by Keio, installed under a leasing agreement, or owned by eligible persons 5. Notes When using the software, please note the following: Duplicating the license without permission is regarded as a breach of contract. When you are no longer enrolled at Keio after retirement or graduation, you

# 07

You can check your ① License Key for ESET on this page.

You will use the ① License Key in STEP 14.

## ソフトウェア利用ライセンス取得 -Software Licensing Center-

Information

2016-04-04 概要: 本システムについて

概要が詳しくしているソフトウェアライセンス等をオンラインで取得・確認することが可能です。  
ソフトウェア毎に利用条件が異なりますので、利用前ご確認ください。利用条件を確認の上、同意する場合は、ライセンスをご利用ください。

[検索]

ソフトウェアライセンス利用上の注意

Available List

Software	License usage	Expiration Date	Media	
Microsoft 365 Apps (学生用 ライセンス) [旧 Office 365 ProPlus]	詳細画面でご確認ください	Enrollment period	Details	Detail
ChemOffice + (2023年度用ライセンス)	Agree to the EULA	Not agree	Download	Detail
iThenticate (2023年度用ライセンス)	詳細画面でご確認ください	2024-03-31	Details	Detail
Zoom (for students FY2023) license	Please confirm the detail	2024-03-31	Details	Detail
ESETLicense for 2023 academic year	Agree to the EULA	Not agree	Download	Detail

### 総合セキュリティ対策製品

#### ESET Internet Security (Windows)

日本語版 ダウンロード [ESET/Windows-バージョン/ESETサイト](#)  
[詳しくはこちら](#) [ESET/Windows-バージョン/ESETサイト](#) の記事も読んでください。

1 English 32bit Download 64bit Download

### 総合セキュリティ対策製品

#### ESET Cybersecurity Pro (Mac)



## 08

Go back to the "license list," and click 1 "download."  
 Certification from keio.jp authentication is required, so log in using the same steps referenced in STEP 01.

## 09

Choose the installer that is compatible with your Operation System.  
 Click 1 "Download" to download the installer.

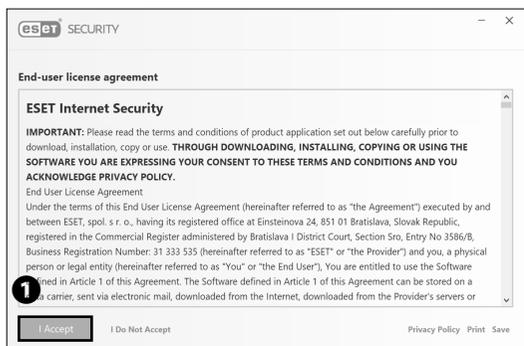
## 10

Open the 1 download installer.



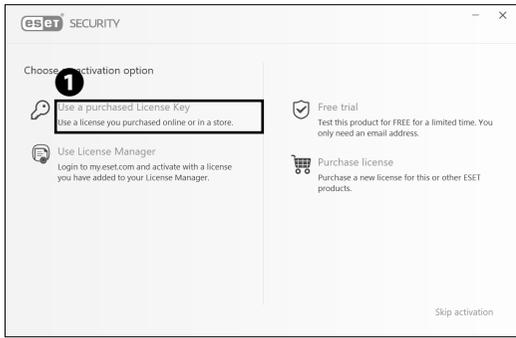
## 11

Click 1 "Continue."



## 12

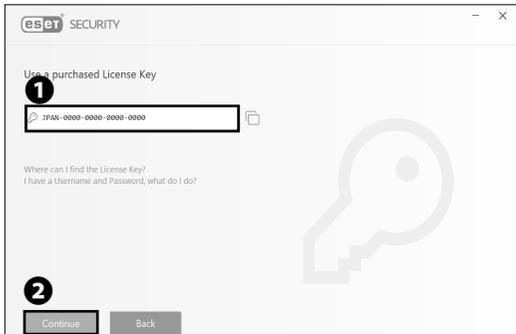
Read the EULA(End-User License Agreement) carefully.  
 If you agree, click 1 "I Accept". If not, you may not use ESET.



## 13

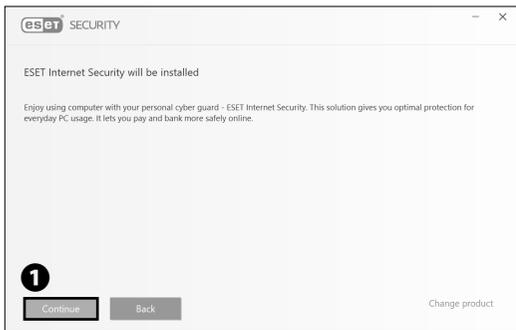
Next, you will need to activate the software in order to use it.

Click **1** "Use a purchased License Key."



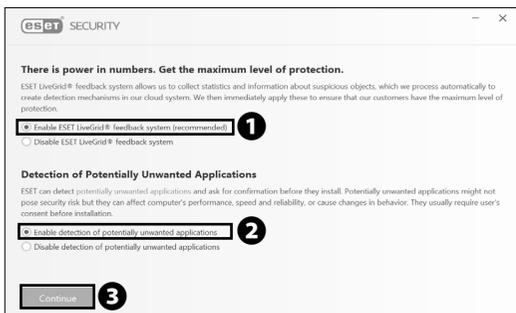
## 14

Enter your License Key from STEP 07 in **1**, then click **2** "Continue."



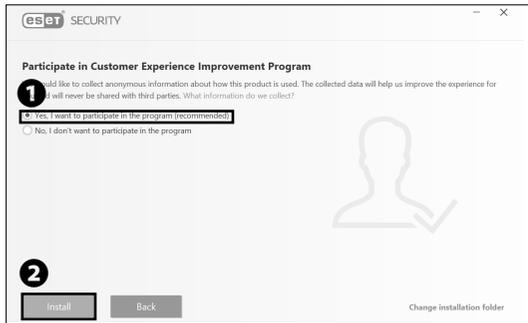
## 15

Click **1** "Continue."



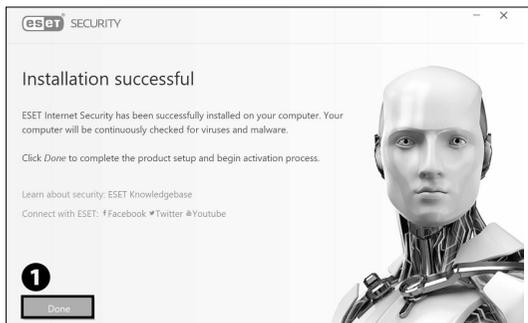
## 16

We recommend you check **1** and **2**, then click **3** "Continue."



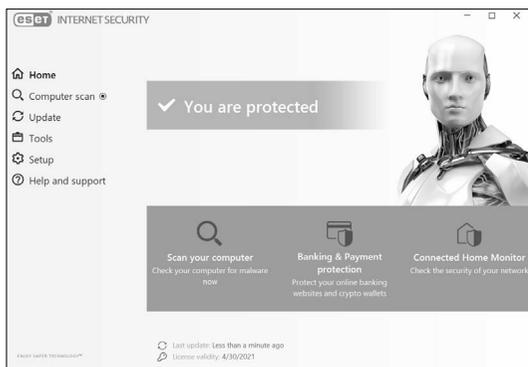
17

Check **1** "Yes", then click **2** "install." This will enable all the features provided by ESET.



18

Click **1** "Done" to complete the installation process.



19

It is strongly recommended that you scan your computer regularly and click "Computer scan" after finishing.

Installing Antivirus Software on Your PC (Windows 11) is completed.

## 3

Installing Antivirus Software  
on Your Mac (macOS)

## 01

Open a web browser and go to the URL:

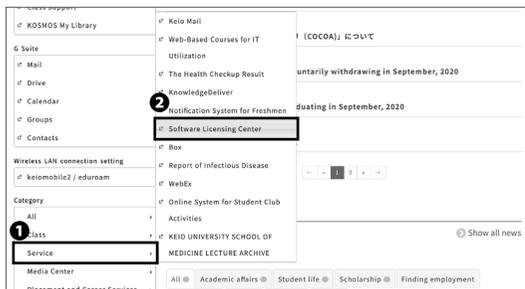
⇒ <http://keio.jp/>

Type your keio.jp ID in ❶ "ID" and your keio.jp password in ❷ "Password." Then, click ❸ "Login."



## 02

Click ❶ "English" on the top of the page.



## 03

Click ❷ "Software Licensing Center" from the ❶ "Service" menu.



# 04

The page shown on the left will be displayed. You will need to agree to EULA(End-User License Agreements) first, so click ❶ "Detail" on the right side of "ESET(License for 2022)."



# 05

If you agree to the EULA (End-User License Agreements) and Rules and Policy, click ❶ "Agree."

If you don't agree to the EULA or Rules and Policy, then you cannot use ESET and should not continue.



# 06

Go back to the license list. Click ❶ "Detail."



# 07

You can check your ❶ License Key for ESET on this page.

You will use ❶ License Key in STEP 26 so don't close the page until the download is complete.

Antivirus 5

CNS Servers 6

FAQ 7

Appendix 8



08

Go back to the license list and click ❶ "Download."



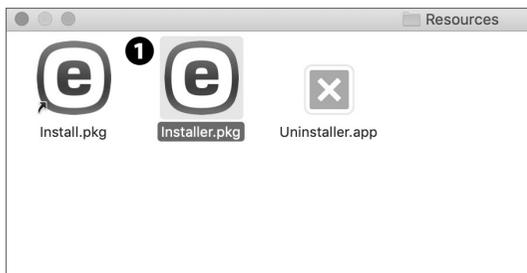
09

Click ❶ "Download" to download the installer.



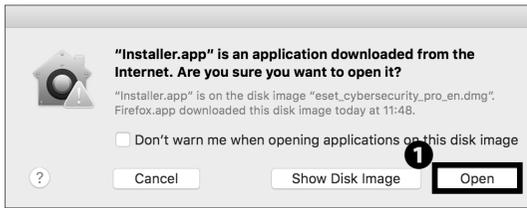
10

Open the file you just downloaded. Then double-click the ❶ icon. Right-click "install," then click ❷ "Show Original." Then double-click "Install.pkg."



11

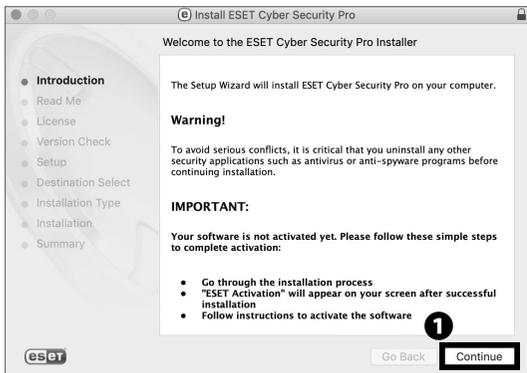
Double click ❶ "Installer.pkg."



12  
Click 1 "Open."



13  
Click 1 "Continue."



14  
Click 1 "Continue."

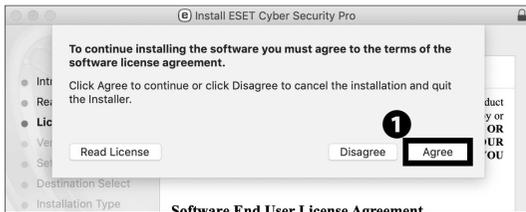


15  
Click 1 "Continue."



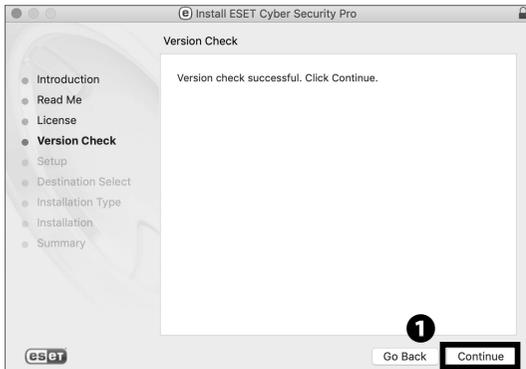
## 16

Read the EULA (End-User License Agreement) carefully. If you agree, click **1** "Continue." If not, you won't be able to use ESET.



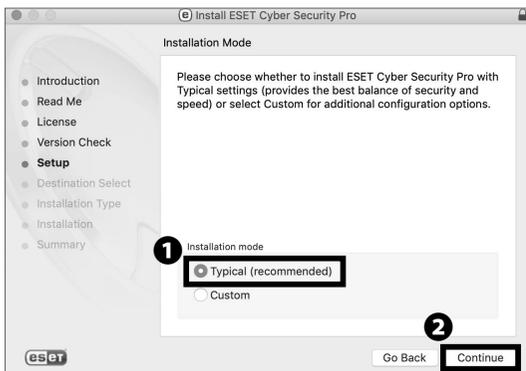
## 17

Click **1** "Agree."



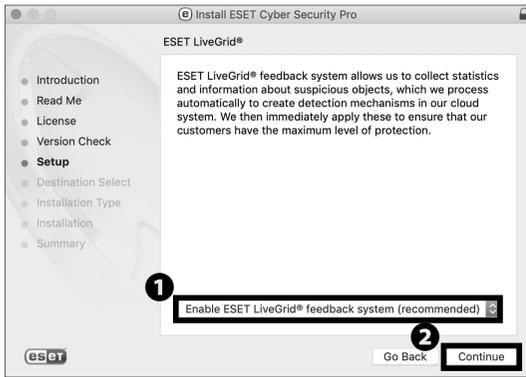
## 18

Click **1** "Continue."



## 19

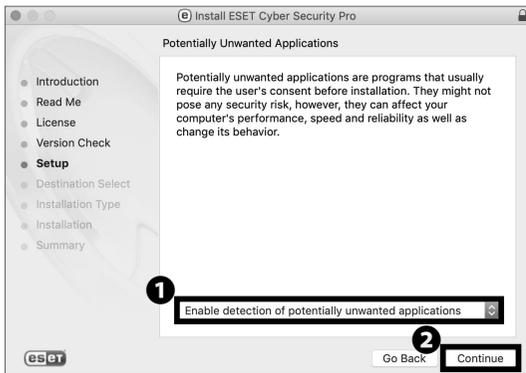
Make sure that **1** "Typical (recommended)" is selected for installation mode. Then click **2** "Continue."



## 20

Make sure that ❶ "Enable ESET LiveGrid feedback system (recommended)" is checked.

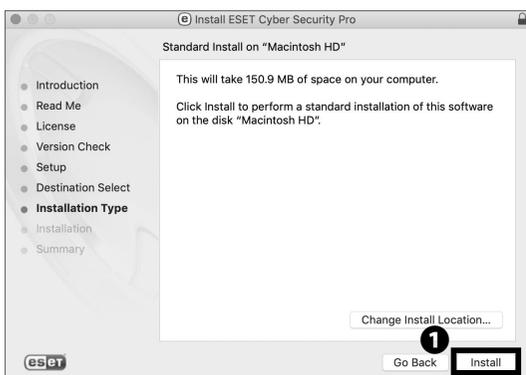
Then, click ❷ "Continue."



## 21

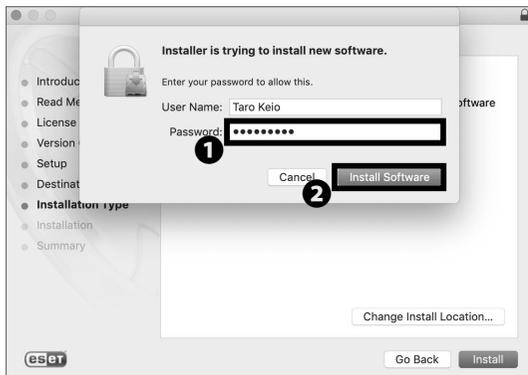
Make sure that ❶ "Enable detection of potentially unwanted applications" is checked.

Then, click ❷ "Continue."



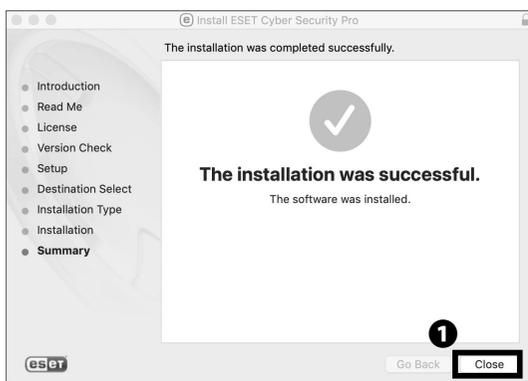
## 22

Click ❶ "Install."



## 23

When the window prompts you to type in your password, type your macOS account password in **1** "Password." Then, click **2** "Install Software."



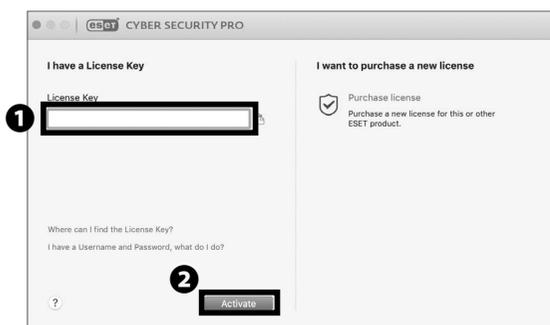
## 24

You have successfully installed ESET Cyber Security Pro on your Mac. Click **1** "Close."



## 25

Open the application and click the **1** icon, then click **2** "Product activation."



## 26

Enter your License Key from STEP 07 in **1** "License Key." Then, click **2** "Activate."



## 27

Click **1** "Done" after the activation.

Installing Antivirus Software on Your Mac (macOS) is completed.

## COLUMN vol.2

## Threats on the Web

The internet is one of the most notable inventions in the field of computer science. It has become so essential to our daily lives that millions of machines around the world are connected and able to communicate. However, "essential" does not necessarily mean "secure;" all devices on the internet are at risk of attack.

For example, malicious attackers can create websites designed to trick users and install malware and other unauthorized software, resulting in data theft, vandalism, or other harm. You must be careful when using the internet and should avoid nonreputable websites that could harm your computer.

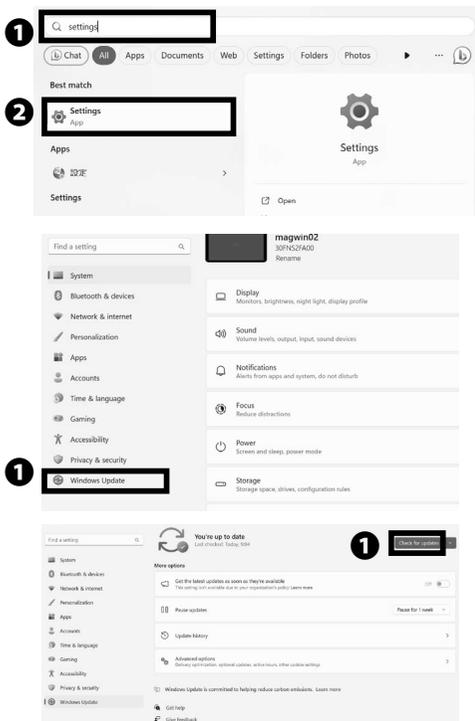
## 4

## How to Update Your Windows / macOS System

Are Software Updates Important?

When a bug or vulnerability is discovered in a piece of software, a software publisher will often release an update to fix any problems. For example, Windows Update (on Windows PCs) and Software Update (on macOS) regularly receive updates designed to keep users safe. Many other software vendors have similar ways to provide users with updates. Software updates fix bugs and are crucial for information security. Malicious hackers will often attempt to exploit

vulnerabilities before users are able to update their computers, so users should apply software updates as soon as possible. Please ensure all your software is up to date to help keep your computer safe on the internet. The following pages describe how to install operating system updates (on Windows and macOS) and configure your computer to check for updates automatically.

Updating Your Windows System (Windows 11)

01

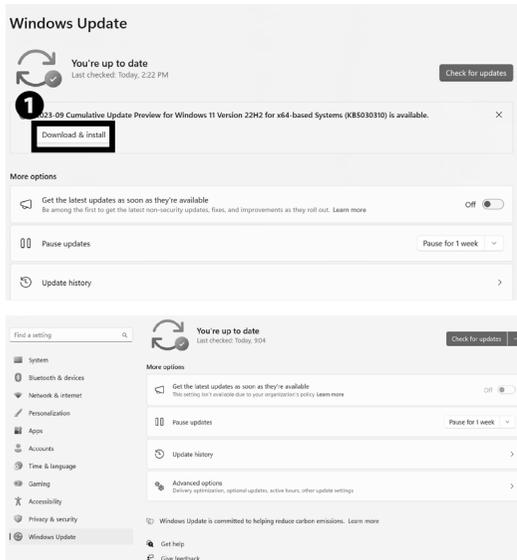
Type "settings" in ❶ the search bar in the lower left corner of your screen, then open ❷ "Settings."

02

On the left screen, click ❶ "Windows Update."

03

The Windows Update will be displayed. Click ❶ "Check for updates" and check to see if you need to update the Install Program or not.



04

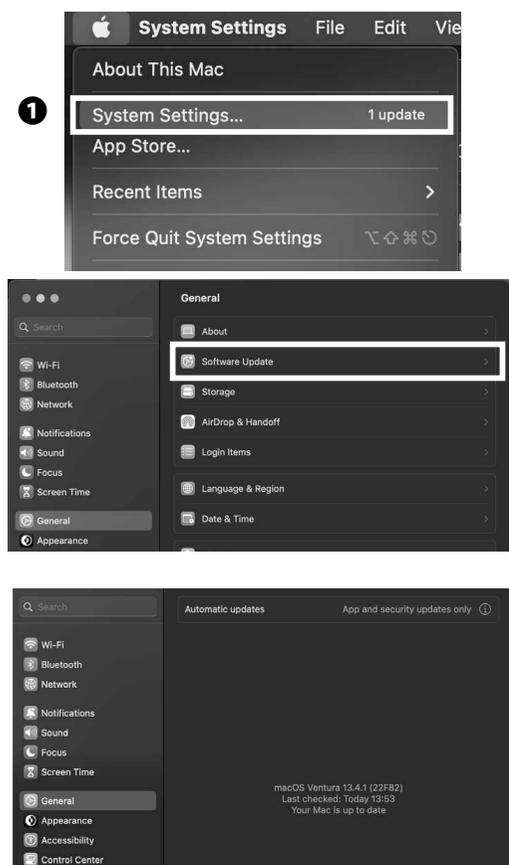
Select any updates that appear, then click **1** "Download and Install"

05

Depending on the type of updates that are installed, you may need to restart your computer in order for all the updates to install properly. If necessary, save your work and reboot your computer.

Instructions for updating your software is now complete.

## Updating Your Mac System (macOS)



01

From the Apple menu on the toolbar at the top of the screen, click on **1** "System Settings..." Click on "System Preferences..." from the Apple menu in the toolbar at the top of the screen.

02

Click on **1** Software Update.

03

If you receive a message that there is a new update, click "Upgrade Now." That's it for the procedure to perform a software update on your Mac (macOS).



# 6

## CNS Servers

Explaining how to upload files to CNS servers and publish files on the web.

Using CNS Servers	120
What are CNS Servers?	120
Remote Access to CNS Servers	121
What is Remote Access?	121
Access Remotely from Your PC (Windows 11)	121
Access Remotely from Your Mac (macOS)	128
Transferring Files to CNS from Your PC (Windows 11) with WinSCP	131
Transferring Files to CNS from Your Mac (macOS) with Cyberduck	135
Publishing Files on the Web	137
Publishing Files on the Web from On-Campus PC (Windows 11)	137
Publishing Files on the Web from On-Campus Mac (macOS)	138
Publishing Files on the Web from Your PC with WinSCP (Windows 11)	139
Publishing Files on the Web from Your Mac with Cyberduck (macOS)	139
Correlation between URL and File Location	140

## 1

## Using CNS Servers

What are CNS Servers ?**01** What are Servers?

Servers are computers or software that provide services and data to other computers on networks. CNS mail and other CNS services are hosted on internal CNS servers. This section provides details about personal storage available on CNS.

**02** Storage Assigned to You

Every student at SFC is assigned 100GB of storage on the CNS network. The storage is used by your e-mail and can also be used for personal purposes, such as storing reports, photos, backups, etc. However, if your storage is fully used, your e-mail will no longer work properly. Be sure to leave some space for e-mails in your storage. Please refer to the list below to find the path of your home directory, depending on the operating system of the CNS computer you will use.

**03** Upload Using SSH

You have direct access to your CNS storage from on-campus computers. However, if using your own computer, you must use SSH (Secure Shell) to upload files onto the CNS servers. Instructions for this are given in [p.121 : Remote Access to CNS Servers] .

**04** Upload Using SCP/SFTP

You can upload files to the CNS servers using SCP or SFTP. Instructions on how to use WinSCP on Windows, and Cyberduck on macOS will be given in this section.

Directory	Path on CNS Servers
macOS Home directory	/home/[your CNS login name]/CNSiMac
Windows 11 Document directory	Z:\11DataCNS\Documents

## 2

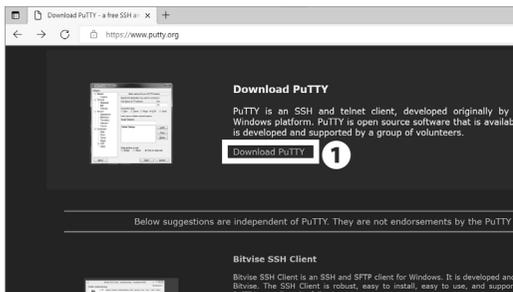
## Remote Access to CNS Servers

What is Remote Access ?

Even if you cannot access on-campus computers physically, you can still access CNS servers remotely using the SSH protocol.

In this section, instructions for remote access on Windows 11 and macOS are provided. For more information about CNS servers, please refer to the following URL:

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/computer\\_server.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/computer_server.html)

Access Remotely from Your PC (Windows 11)

## 01

Windows does not have a SSH client preinstalled. You must install dedicated software. We will use "PuTTY" as an example. Access the link below, and click ❶ "Download PuTTY."

⇒ <https://www.chiark.greenend.org.uk/~sgtatham/putty/>

## 02

Click ❶ "putty-64bit-0.79-installer.msi" and save it to any location.

**Package files**

You probably want one of these. They include versions of all the PuTTY utilities. (Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ](#).)

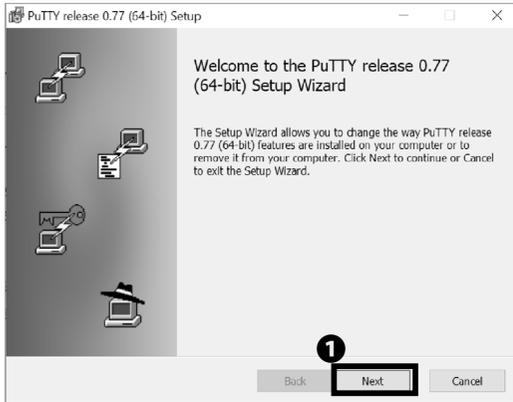
We also publish the latest PuTTY installers for all Windows architectures as after we release them.

**MSI ("Windows Installer")**

64-bit x86: [putty-64bit-0.79-installer.msi](#) (signature)  
 64-bit Arm: [putty-arm64-0.79-installer.msi](#) (signature)  
 32-bit x86: [putty-0.79-installer.msi](#) (signature)

**Unix source archive**

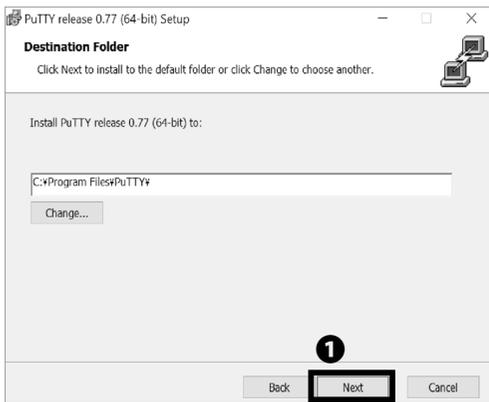
.tar.gz: [putty-0.79.tar.gz](#) (signature)



## 03

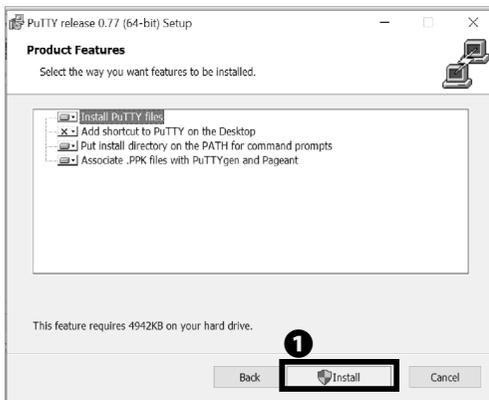
Open the file you just downloaded.

Click **1** "Next."



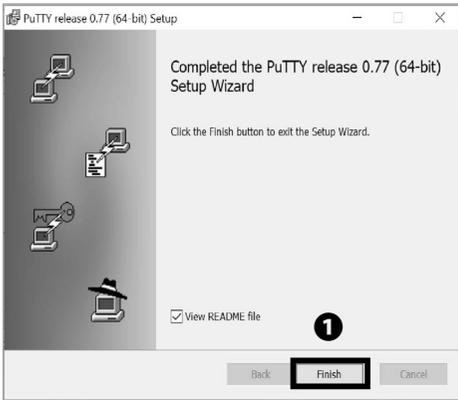
## 04

Confirm the installation location and click **1** "Next."



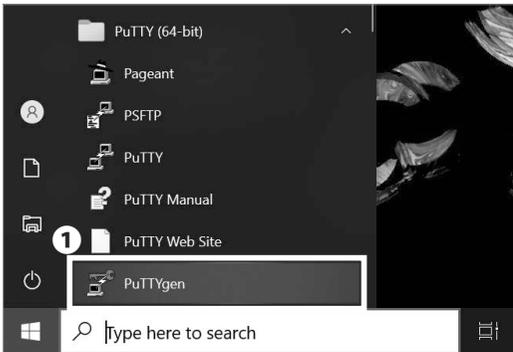
## 05

Confirm that "Install PuTTY files" is selected, then click **1** "Install."



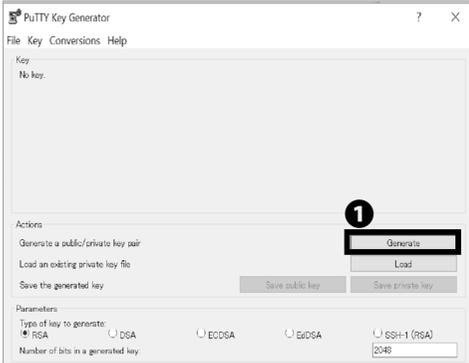
# 06

Click **1** "Finish."



# 07

Open **1** "PuTTYgen" from Start menu.



# 08

Generate a pair of public and private keys required for remote login. Click **1** "Generate."



# 09

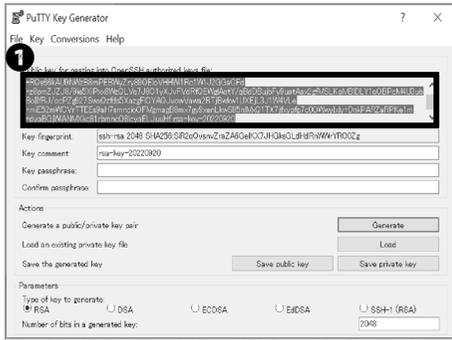
Follow the instructions on the screen and keep moving the mouse cursor randomly on the screen.

Antivirus 5

CNS Servers 6

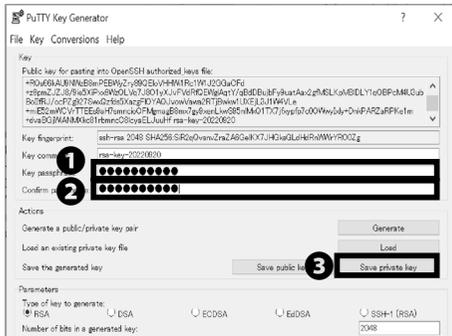
FAQ 7

Appendix 8



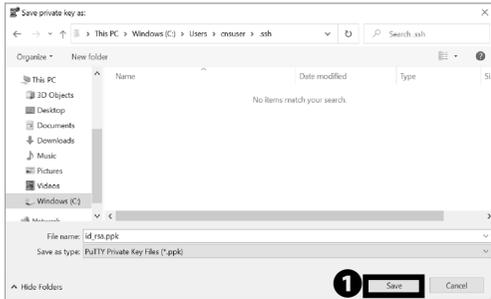
# 10

The public key and private key have been generated. Please make a copy of the generated public key ①.



# 11

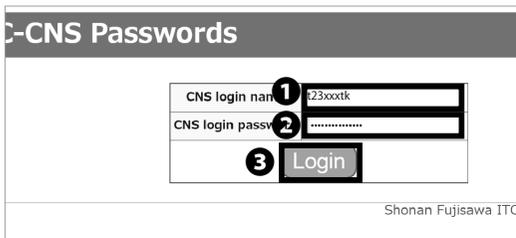
To encrypt your private key, enter your desired passphrase in ① and ②, and then click ③ "Save private key."



# 12

Type any File name to save the private key. Then, click ① "Save."

The saved private key will be used in STEP 19. The private key you saved should be stored securely in the same way as a password. Do not disclose or share it with others.

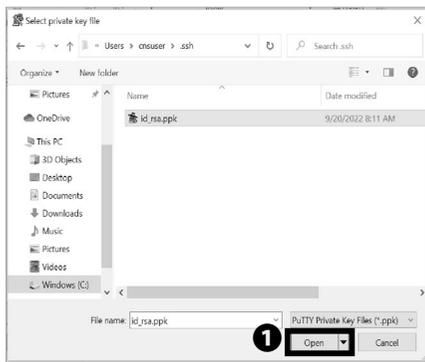


# 13

Register the public key you have created. Access the following URL, enter your CNS login name in ① and your CNS login password in ②, and then click ③ "Login."

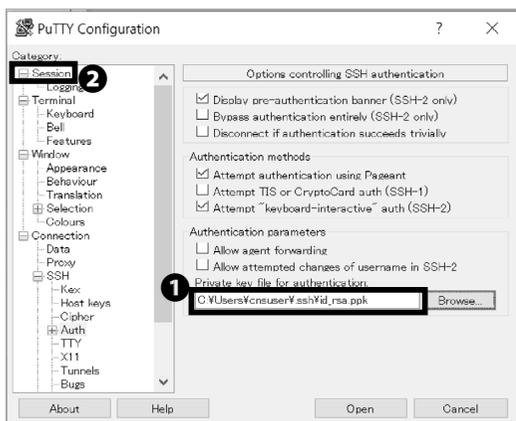
⇒ <https://itcsecure.sfc.keio.ac.jp/form/password/>





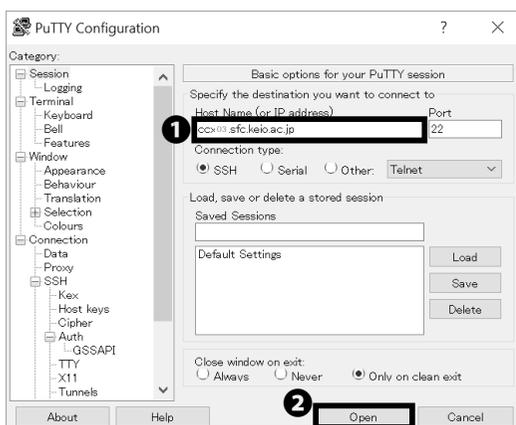
18

Click the private key you saved in STEP 12.  
Then, click ❶ "Open."



19

Confirm that the correct key has been selected in ❶  
and click ❷ "Session."



20

Type your host name in ❶ "Host Name." We are using  
"ccx03.sfc.keio.ac.jp" as an example. Click ❷ "Open."

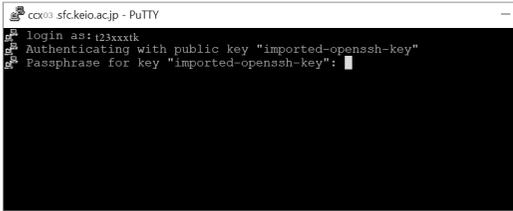
For more information regarding CNS server, refer to the  
following URL:

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/computer\\_server.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/computer_server.html)



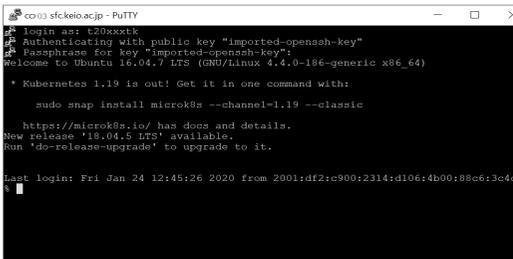
# 21

If you have never connected to a CNS server before, an alert similar to the one shown on the left will appear. Click ❶ "Accept" to continue.



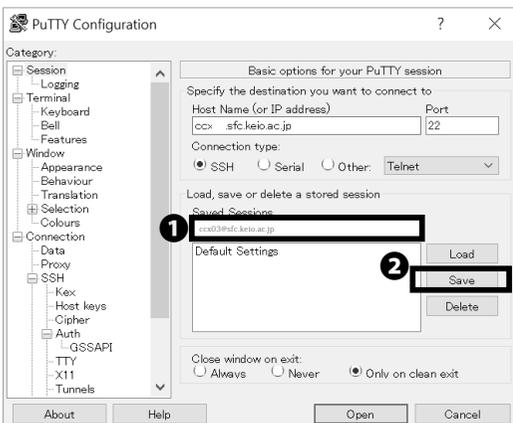
# 22

Type your CNS login name in "login as" then type enter key. Then type the passphrase you made in STEP 03 in "Passphrase for key 'imported-openssh-key.'" Then press the enter key. Be aware that the cursor won't move while the passphrase is being typed.



# 23

If you see the screen shown on the left, remote access is completed.



# 24

If you want to save the PuTTY connection settings, enter any host name (in this case, ccx03.sfc.keio.ac.jp) in the ❶ "Saved Sessions" field and click ❷ "Save".

## Access Remotely from Your Mac (macOS)

```
tarokeio — -bash — 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh-keygen -b 2048
```

01

First, start Terminal.app from the Applications folder. On your Mac, we will use the `ssh-keygen` command to create a private and public key. Type in

```
ssh-keygen -b 2048
```

and hit the Return key.

```
tarokeio — ssh-keygen -b 2048 — 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/tarokeio/.ssh/id_rsa):
```

02

The next page will ask you where you want to save your keys. Hit the Return key. By default, the keys are saved to `"/Users/[your username]/.ssh/id_rsa"`

```
tarokeio — ssh-keygen -b 2048 — 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/tarokeio/.ssh/id_rsa):
Created directory '/Users/tarokeio/.ssh'.
Enter passphrase (empty for no passphrase):
```

03

Next, you will be asked to create a passphrase for your private key. Type your passphrase twice. Be aware that the cursor will not move while the passphrase is being typed.

```
tarokeio — -bash — 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/tarokeio/.ssh/id_rsa):
Created directory '/Users/tarokeio/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/tarokeio/.ssh/id_rsa.
Your public key has been saved in /Users/tarokeio/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:G1DIF1DZ6EbsZQS5wFEh29WFPC4ec4hnr2w0VSPQkg tarokeio@CNSGuidenoMacBook-
o.local
The key's randomart image is:
+--[RSA 2048]-----+
| .+0E%+o o. |
| o+@o= * |
| ..o= + + |
| *.X + . |
| . *SB |
| o oo. |
| +.o |
| . o. |
|-----+
+---[SHA256]-----+
CNSGuidenoMacBook-Pro:~ tarokeio$
```

04

Once you reach this page, you have finished generating your SSH keys.

```

tarokeio ~ -bash - 80x24
CNSGuidenoMacBook-Pro: tarokeio$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/tarokeio/.ssh/id_rsa):
Created directory '/Users/tarokeio/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/tarokeio/.ssh/id_rsa.
Your public key has been saved in /Users/tarokeio/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:G1DIF1DZ6EbsZQ55wFEh29WfPC4ec4hc4nry2w0VSPQkg tarokeio@CNSGuidenoMacBook-Pro
o.local
The key's randomart image is:
+--[RSA 2048]--+
.+O%+o o.
o+@o= *
.*O* + +
*.X + .
. *SB
o oo.
+.o
.o.
+-----[SHA256]-----
CNSGuidenoMacBook-Pro: tarokeio$ cat ~/.ssh/id_rsa.pub|pbcopy
    
```

# 05

Copy the public key to the clipboard. To copy to the clipboard, type this command.

```
cat ~/.ssh/id_rsa.pub | pbcopy
```

The public key that you created will be copied to the clipboard.

# 06

Before you can login using your new SSH key, you must first register it. Access the CNS SSH Public key page and login using your CNS login.

⇒ <https://itcsecure.sfc.keio.ac.jp/form/password/>

# 07

Select ① "CNS SSH Key."

# 08

Paste your public key copied in STEP 05 in ① and click ② "Add Public Key."

Make sure there are no extra spaces after the key.

Antivirus 5

CNS Servers 6

FAQ 7

Appendix 8

```

tarokeio -- -bash -- 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh t23xxxtk @ccx03.sfc.keio.ac.jp

```

09

Open "Terminal.app" from the Applications folder.

Type in

```
ssh [your CNS login name]@[login server]
```

For example,

login name = t23xxxtk

login server = ccx03.sfc.keio.ac.jp

If this is your second time setting up, skip STEP10 and STEP 11.

```

tarokeio -- ssh t23xxxtk @ccx03.sfc.keio.ac.jp -- 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh t23xxxtk @ccx03.sfc.keio.ac.jp
The authenticity of host 'ccx03.sfc.keio.ac.jp (133.27.4.211)' can't be established.
ECDSA key fingerprint is SHA256:tTp9XCDGiiFEv1zz/M4idjT55tSEAOWqMZt+eqmORzc.
Are you sure you want to continue connecting (yes/no)? yes

```

10

If a window like the one shown on the left appears, type "yes," then hit the return key.

```

tarokeio -- ssh t23xxxtk @ccx03.sfc.keio.ac.jp -- 80x24
CNSGuidenoMacBook-Pro:~ tarokeio$ ssh t23xxxtk @ccx03.sfc.keio.ac.jp
The authenticity of host 'ccx03.sfc.keio.ac.jp (133.27.4.211)' can't be established.
ECDSA key fingerprint is SHA256:tTp9XCDGiiFEv1zz/M4idjT55tSEAOWqMZt+eqmORzc.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ccx03.sfc.keio.ac.jp,133.27.4.211' (ECDSA) to the list of known hosts.
Enter passphrase for key '/Users/tarokeio/.ssh/id_rsa':

```

11

Type the passphrase you made in STEP 3. Then, hit the return key. Be aware that the cursor will not move while the passphrase is being typed.

```

tarokeio -- ssh t23xxxtk @ccx03.sfc.keio.ac.jp -- 80x24
ECDSA key fingerprint is SHA256:tTp9XCDGiiFEv1zz/M4idjT55tSEAOWqMZt+eqmORzc.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ccx03.sfc.keio.ac.jp,133.27.4.211' (ECDSA) to the list of known hosts.
Enter passphrase for key '/Users/tarokeio/.ssh/id_rsa':
Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-186-generic x86_64)

 * Are you ready for Kubernetes 1.19? It's nearly here! Try RC3 with
sudo snap install microk8s --channel=1.19/candidate --classic

https://microk8s.io/ has docs and details.
New release '18.06.4 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

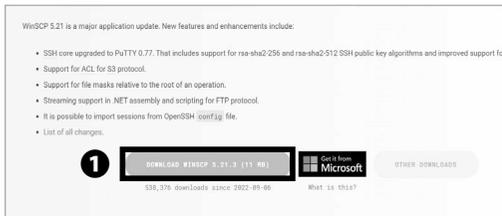
```

12

If you see "%" on the bottom of the terminal window, you have successfully logged in.

## 3

# Transferring Files to CNS from Your PC (Windows 11) with WinSCP

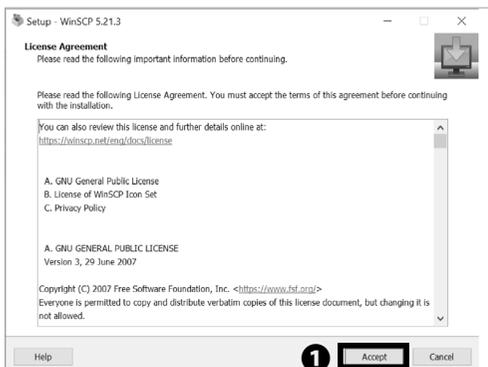


## 01

This section explains how to use the file transfer software "WinSCP."

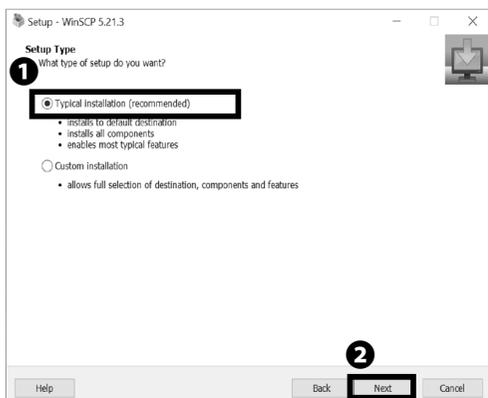
Open a web browser and go to the following URL:  
⇒ <https://winscp.net/eng/download.php>

Click **1** "DOWNLOAD WINSERP."



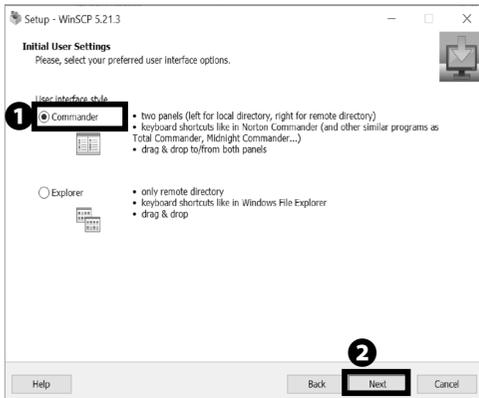
## 02

Read through the license agreement carefully. If you agree, click **1** "Accept >." If not, you cannot use this software.



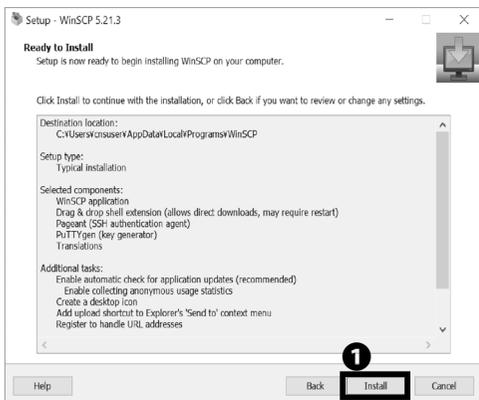
## 03

Make sure **1** "Typical Installation (recommended)" is selected. Then click **2** "Next >."



04

Next, select your preferred user interface style. "Commander interface style" will be used as an example for the instructions in this book. You can change the interface style after completing setup if you desire. Make sure that ❶ "Commander" is selected. Then, click ❷ "Next >."



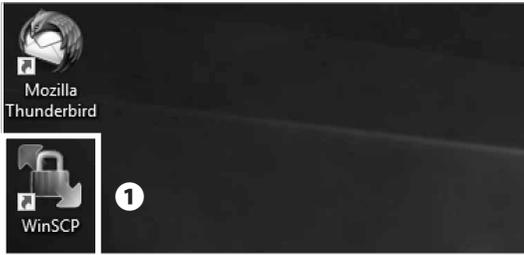
05

Click ❶ "Install."



06

Installation for WinSCP is completed. Click ❶ "Finish" and close the installation wizard.



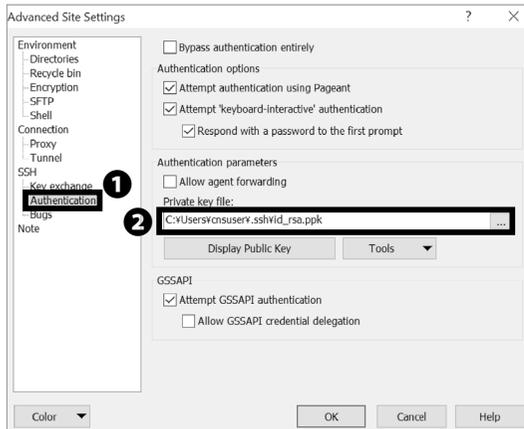
# 07

After installation, a shortcut to WinSCP is created on your desktop. Double click **1** "WinSCP" to launch.



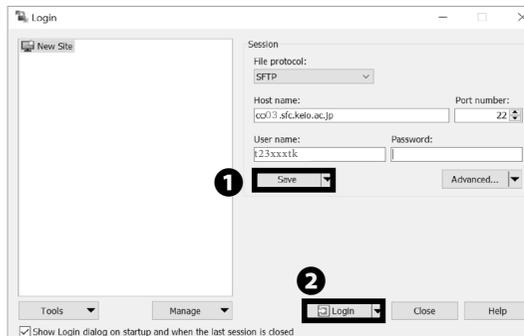
# 08

Select "SFTP" from **1** "File protocol" and type "ccx03.sfc.keio.ac.jp" in **2** "Host name," "22" in **3** "Port number," your CNS login name in **4** "User Name." Then click **5** "Advanced."



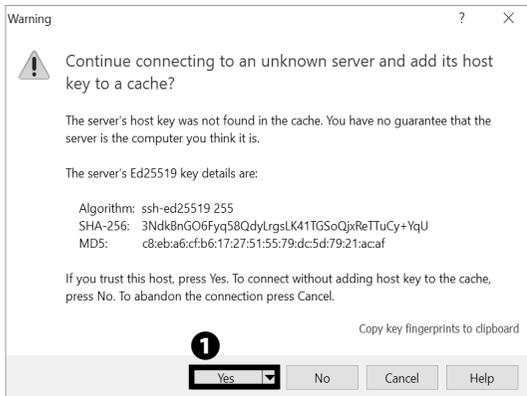
# 09

The screen to the left will appear. Select **1** "Authentication." Then enter the file path to the private key you downloaded. For **2** private key generation please refer to STEP 01~15 of [p.121 : Access Remotely from Your PC (Windows 11)] .



# 10

If you want to save the settings, click **1** "Save". Click **2** "Login."

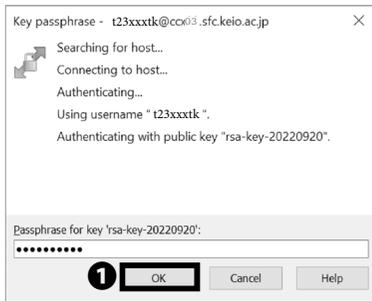


# 11

Click 1 "Yes."

Confirm the ssh-ed25519 key fingerprint matches the following:

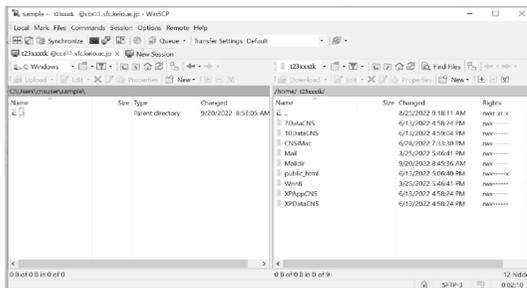
c8:eb:a6:cf:b6:17:27:51:55:79:dc:5d:79:21:ac:af



# 12

Type the passphrase you typed in STEP 11 of [p.121 : Access Remotely from Your PC (Windows 11)] .

Then, click 1 "OK."



# 13

Transferring Files to CNS from Your PC (Windows 11) with WinSCP is completed. If connected properly, your screen should look like the image on the left.

Your local computer's files are shown on the left side, and the remote computer's (CNS server's) files are shown on the right side of the screen. You can upload files easily by dragging and dropping them from your local files to the remote file window.

# 4

## Transferring Files to CNS from Your Mac (macOS) with Cyberduck

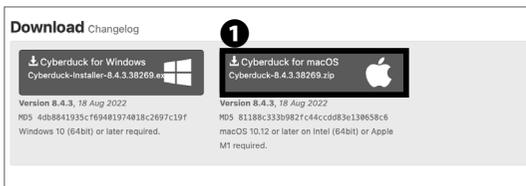


### 01

This section explains how to use the file transfer software "Cyberduck."

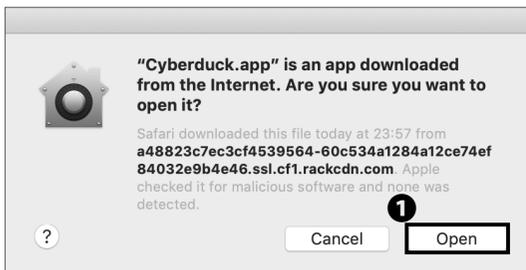
Open a web browser and go to the following URL:  
⇒ <https://cyberduck.io/>

Click **1** "Download."



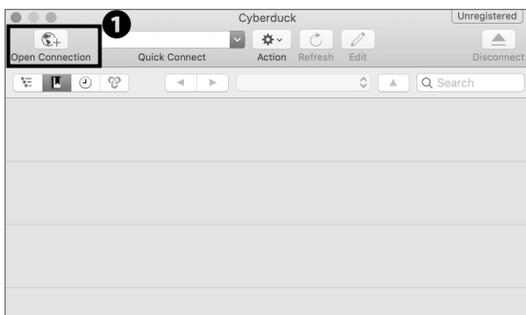
### 02

Click **1** "Cyberduck for macOS."



### 03

Open the file you just downloaded and run the Cyberduck application. Click **1** "Open" if you see the window shown on the left side.



### 04

Click **1** "Open Connection."



## 05

Select "SFTP" from the ❶ list and type "ccx02.sfc.keio.ac.jp" in ❷ "Server," "22" in ❸ "Port," your CNS login name in ❹ "Username" and the file path to the private key you downloaded in ❺ "SSH Private Key." Then click ❻ "Connect." For private key generation please refer to STEP 01~08 of [p.128 : Access Remotely from Your Mac (macOS)] .



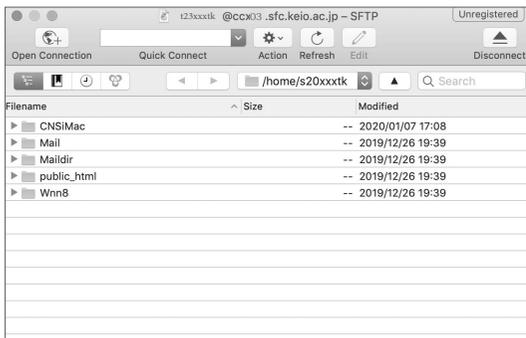
## 06

When the screen to the left is displayed check ❶ "Always," and click ❷ "Allow."



## 07

When the screen on the left is displayed, type in the passphrase in ❶ , and then click ❷ "Continue."



## 08

Transferring Files to CNS from Your Mac (macOS) with Cyberduck is completed.

If connected properly, your screen should look like the image on the left.

In this screen, you can see your files stored on CNS. You can upload files easily by dragging and dropping local files onto the remote file screen.

# 5

## Publishing Files on the Web

You can publish your files to the web by uploading them to the directory specified on the CNS servers ("public\_html" under home directory) in three ways: from on-campus computers, by remotely accessing via SSH, or with any file transfer software. Files in this directory will be made publicly accessible on the internet unless either of the following options are set:

- Limiting access with Basic Authentication or Digest Authentication
- No read, write and execute permission on "other" class of files.

You can access files published from your public\_html directory by visiting:

[https://web.sfc.keio.ac.jp/~\[ your CNS login name \]/\[relative path from public\\_html to the file\]](https://web.sfc.keio.ac.jp/~[ your CNS login name ]/[relative path from public_html to the file])

If you need more details, please refer to **【p.140 : Correlation between URL and File Location】** .

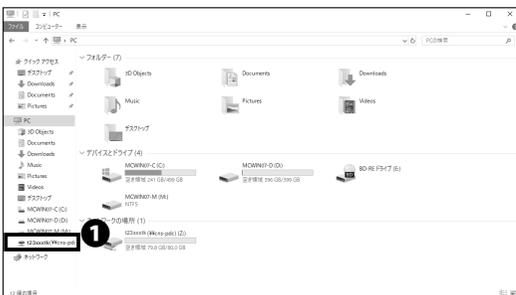
Instructions for publishing files from on-campus computers, using file transfer software on computers, and remotely accessing CNS via command line interface (please refer to **【p.121 : Remote Access to CNS Servers】** ) will be given in this section.

### Publishing Files on the Web from On-Campus PC (Windows 11)



## 01

Click **1** "PC" from the desktop.

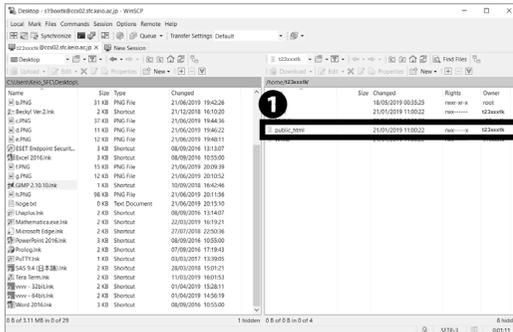


## 02

Click **1** "[your CNS login name ](Z:)" under "Network Location."



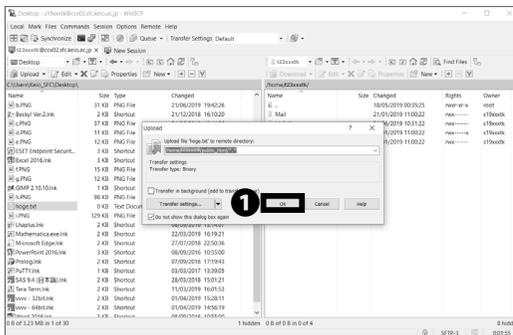
## Publishing Files on the Web from Your PC with WinSCP (Windows 11)



01

Launch WinSCP and connect to your CNS home directory. Please refer to [p.131 : Transferring Files to CNS from Your PC (Windows 11) with WinSCP] for instructions to install WinSCP.

Drag and drop the file or the directory that you want to publish on the web from local files (on the left side) to **1** "public\_html" directory (on the right side).

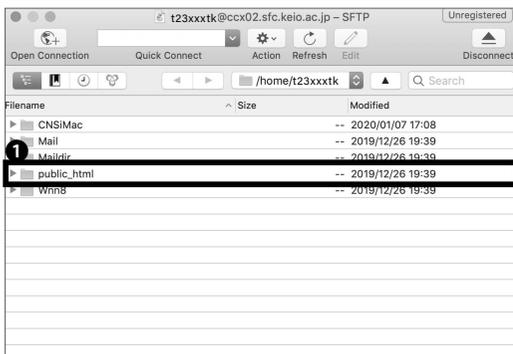


02

Click **1** "OK."

Publishing Files on the Web from Your PC with WinSCP (Windows 11) is completed. If you want to know the URL of the uploaded file, please refer to [p.140 : Correlation between URL and File Location] .

## Publishing Files on the Web from Your Mac with Cyberduck (macOS)



01

Launch Cyberduck and connect to your CNS home directory. Please refer to [p.135 : Transferring Files to CNS from Your Mac (macOS) with Cyberduck] for instructions to install Cyberduck.

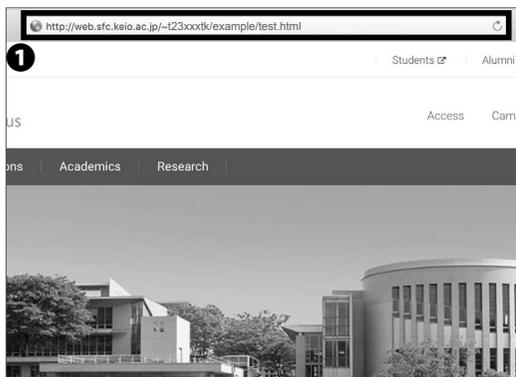
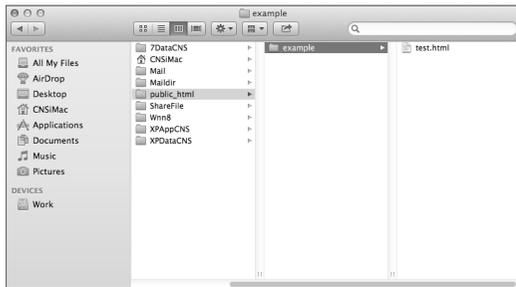
Drag and drop the file or the directory that you want to publish on the web from your computer to **1** "public\_html" directory.

Publishing Files on the Web from Your Mac with Cyberduck (macOS) is completed. If you want to know the URL of the uploaded file, please refer to [p.140 : Correlation between URL and File Location]

## Correlation between URL and File Location

Here you can see the relationship between a file placed in "public\_html" in your home directory on one of the CNS servers and the URL used to access the file from the internet. After uploading files, you can access the files on the web by launching a browser and typing the URL shown below :

[https://web.sfc.keio.ac.jp/~\[your CNS login name\]/\[relative path from public\\_html to the file\]](https://web.sfc.keio.ac.jp/~[your CNS login name]/[relative path from public_html to the file])



A relative path is a way to specify the location of a directory relative to the current directory.

For example, when there is a file "test.html" under the directory "example" that is located under the directory "public\_html," the relative path to "test.html" from "public\_html" will be "example/test.html."

### 01

When a user, who has a CNS login name "t23xxtk," makes a directory "example" under "public\_html" that is located on home directory, then creates a file "test.html" in there, the directory structure should look like the image on the left.

### 02

When you access the files on the web, open a web browser and type the URL into ❶ "the address bar" to access. The format of the URL is as below:

⇒ [https://web.sfc.keio.ac.jp/~\[your CNS login name\]/\[relative path from public\\_html to the file\]](https://web.sfc.keio.ac.jp/~[your CNS login name]/[relative path from public_html to the file])

In this example, since the CNS login name is "t23xxtk" and the relative path from public\_html to the file is "example/test.html", the URL should be as follows:

<https://web.sfc.keio.ac.jp/~t23xxtk/example/test.html>

If you cannot access the files on the web, please check the following:

- The file is placed under "public\_html" in your home directory.
- The URL is typed correctly (Especially whether "~" is typed exactly before your CNS login name).

## COLUMN vol.3

## About Keio ID and Keio Apps ID

Besides a CNS account for students and faculty members at SFC, a Keio ID will be distributed to all students and faculty members at Keio University. In the case where it is issued over March, 6, 2015, Keio ID should be formatted as follows. This will also apply to Keio Apps ID mentioned below.

[ The character string you set in activation ] @ keio.jp

By logging in to "keio.jp" with your Keio ID, you can use the various services provided by Keio University.

Also, for those who have a Keio ID already, please login to keio.jp and check your Keio Apps ID. Your Keio Apps ID should be formatted in default as follows (It is displayed on the upper right of the screen after "Keio Mail" is launched).

[ your Keio ID ] @ keio.jp

By using a Keio Apps ID, you can make better use of the services of Google Workspace for Education. These services will be usable in collaboration with other members; for example, "Drive," "Group," "Calendar," etc. You can also use Gmail by using your Keio Apps ID as an e-mail address.

Keio Apps ID can be used as a Google account, which means that you can download apps and digital content in Google Play. It is, however, not recommended. If your Keio Apps ID expires after graduating while you're using your Google account to pay for apps, your payment or settlement will be invalid. Keio University will not provide a guarantee against such kinds of losses.



# 7

## FAQ

How to reset account passwords and common troubleshooting

Services that Require Pre-registration	144
CNS Services that Require Pre-registration	144
Software Licensing Center	145
Using Microsoft 365 Apps	146
How to Change Account Passwords	147
Checking and Changing SFC-CNS Passwords	147
Changing Login Password of keio.jp Account	149
Have You Forgotten Your Password ?	150
Troubleshooting	151
Problems with Wireless LAN Connection	151
Problems with CNS Printers	151
Problems with Sending / Receiving Mail	152
Troubleshooting of On-Campus Macs	153
Quick Fix with CNS Tool	153
Unable to Launch Firefox or Thunderbird	154
Resetting Your CNS Personal Space	155
How to Check a PC's Operating System	156
SFC-CNS Technical Support Services	157

## 1

## Services that Require Pre-registration

### CNS Services that Require Pre-registration

Certain network resources require an application to use. Access the Applications page of Shonan Fujisawa ITC from the following URL:

⇒ [https://www.sfc.itc.keio.ac.jp/en/application\\_sfc.html](https://www.sfc.itc.keio.ac.jp/en/application_sfc.html)

Select the service you wish to use and download the corresponding application form. Fill in the required items and turn it in at the Shonan Fujisawa ITC counter. Some applications can be submitted online.

Services that require an application are listed below:

Name of Service	Eligible Users	Description
Registration for using P2P File Sharing Software	Students, Faculty and Staff	You can use file sharing software inside the university campus for research purposes.
Registration for CNS Mailing Lists	Faculty and Staff	You can create a mailing list for "Circle" activities (university clubs and societies) and lectures.
Registration for CNS Shared Workspaces	Faculty and Staff	You can use a shared workspace on CNS.
Registration for connecting devices to CNS	Full-time Faculty and Staff	You can connect devices to CNS with static hostnames and IP addresses.
Registration for Sub-Domains	Full-time Faculty and Staff	You can obtain sub-domains for laboratories.
Registration for Sub-Networks	Full-time Faculty and Staff	You can obtain sub-networks for laboratories.
Cloud Computing	Faculty and Staff	You can use VPS services.

## Software Licensing Center

Site licensed software is the software that Keio has purchased for faculty, staff, and/or students to use. Some software can be installed on your personal computer and used for research or educational purposes while the user is a student, faculty, or staff member at Keio. Some programs can be downloaded online; however, some programs must be installed by Shonan Fujisawa ITC after completing a paper application form. For the latest information, please

check site licensed software detail/application page on the ITC website:

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/software\\_license\\_sfc.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/software_license_sfc.html)

As of September 2023, the following softwares are available:

Name of Software	Description	Eligible Users*1
JMPPro	Statistical Analysis	Tenured and Non-Tenured Faculty and staff Member*2, Undergraduate and Graduate Students
Mathematica	Technical Calculation Software	Tenured and Non-Tenured Faculty and staff Member, Undergraduate and Graduate Students
SAS	Statistical Analysis	Tenured and Non-Tenured Faculty and staff Member*2, Undergraduate and Graduate Students
SPSS	Statistical Analysis and Data Mining	Tenured and Non-Tenured Faculty and staff Member, Undergraduate and Graduate Students
Amos	Analysis of Covariance Structure Software	Tenured and Non-Tenured Faculty and staff Member, Undergraduate and Graduate Students
Microsoft EES	Office, Windows OS (Upgraded)	Tenured and Non-Tenured Faculty, and Staff Member
Microsoft 365 Apps	Office	Tenured and Non-Tenured Faculty Member, Part-time faculty members in charge of a class, Undergraduate and Graduate Students
Nikkei NEEDS Financial Data Search System	Financial Data Search System	Tenured and Non-Tenured Faculty Member*2, Undergraduate and Graduate Students
Nikkei NEEDS Stock Data Search System	Stock Data Search System	
Adobe ETLA	Adobe enterprise term license agreement	Tenured and Non-Tenured Faculty and Staff Member
MATLAB	Math Analytics Program	Tenured and Non-Tenured Faculty and staff Member*2, Undergraduate and Graduate Students
Chem Office Professional	Chemistry-Oriented Analytical Program	Tenured and Non-Tenured Faculty and staff Member, Undergraduate and Graduate Students
ESET Smart Security / Cyber Security	Security Software	Staff, Undergraduate and Graduate Students
ArcGIS	Geographical Information Analysis Software	Tenured and Non-Tenured Faculty and staff Member*2, Undergraduate and Graduate Students
EndNote	To help manage documents and write papers	Tenured and Non-Tenured Faculty and staff Member, Undergraduate and Graduate Students
iThenticate	Plagiarism Detection Software	Tenured and Non-Tenured Faculty Member, Graduate Students
Zoom	Online Meeting Software	Staff, Undergraduate and Graduate Students

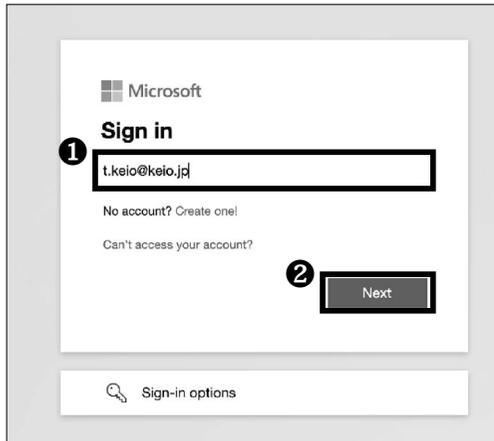
\*1 Except for correspondence course and non-degree students

\*2 Except for Keio Affiliated Schools

\*3 EndNote will be discontinued in FY2023.

## 2

## Using Microsoft 365 Apps



## 01

Access Microsoft 365 Apps from the following URL, and enter your Keio ID in the ❶ field. Then click ❷ "Next"

<https://portal.office.com/>

## 02

You should be be redirected to keio.jp automatically to log in.

In the ❶ "ID" section type in either your user ID for "keio.jp". For ❷ "Password" section type in password for either your keio.jp password. Then click ❸ "Login."



## 3

## How to Change Account Passwords

## Checking and Changing SFC-CNS Passwords

## 01

Open a web browser and go to the following URL:  
⇒ <https://itcsecure.sfc.keio.ac.jp/form/password/>

You can change the following passwords here:

- CNS Login Password
- IMAP/SMTP-AUTH Password
- Web Database Password

Type your CNS login name in **1** "CNS login name" and your CNS login password in **2** "CNS login password." Then, click **3** "Login."

If you have lost your current CNS login password, you must bring your student ID card or campus card to the "CNS Service Counter" of Shonan Fujisawa ITC in order to reset your password.

(Please refer to [p.157 : SFC-CNS Technical Support Services] ).

## 02

You will see the list of passwords you can change on the left side menu **1** . Click the one you want to change.

**SFC-CNS Passwords**

CNS Login Password | IMAP/SMTP-AUTH Password | Database Password | CNS SSH Key

**CNS Login Password**

現在のパスワード  
Current Password  ①

新しいパスワード  
New password  ②

確認  
Confirmation password  ③

パスワードの強さ  
The strength of password

④

新パスワードには以下の条件が必要です

- 10文字以上の長さ
- 小文字、大文字、数字を含むこと

## 03 Changing CNS Login Password

Type your current CNS login password in ① "Current Password" and your new CNS login password in ②・③. Then, click ④ "Submit" to save your changes.

**SFC-CNS Passwords**

CNS Login Password | IMAP/SMTP-AUTH Password | Database Password | CNS SSH Key

**IMAP/SMTP-AUTH Password**

新しいパスワード  
New password  ①

確認  
Confirmation password  ②

パスワードの強さ  
The strength of password

③

新パスワードには以下の条件が必要です

- 10文字以上の長さ
- 小文字、大文字、数字を含むこと

## 04 Changing IMAP/SMTP-AUTH Password

Type your new IMAP/SMTP-AUTH password in ①・② and click ③ "Submit". IMAP/SMTP-AUTH password must be longer than 10 letters, including lower and uppercase letters and numbers, and it must be different from your CNS login password.

**SFC-CNS Passwords**

CNS Login Password | IMAP/SMTP-AUTH Password | Database Password | CNS SSH Key

**Web DB Password**

パスワードの確認  
(Confirm password)  ①

パスワードの作成/変更  
(Create/Change password)  ②

個人用 Webサーバについて(About Web Service)

- 日本語
- English

## 05 Checking Web Database Password

Click ① "Confirm" to check your Web Database Password.

Click ② "Create/Change" to change your Web Database Password.

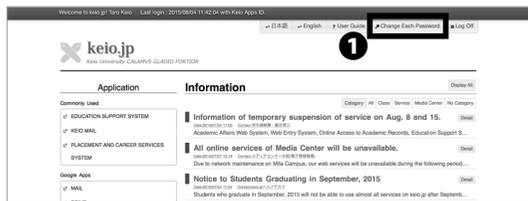
## Changing Login Password of keio.jp Account



### 01

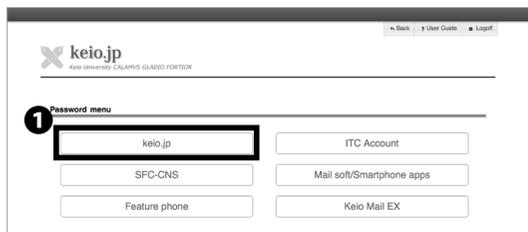
Open a web browser and go to the following URL:  
⇒ <http://keio.jp/>

Type your keio.jp ID in ❶ "ID" and your keio.jp password in ❷ "Password." Then, click ❸ "Login."



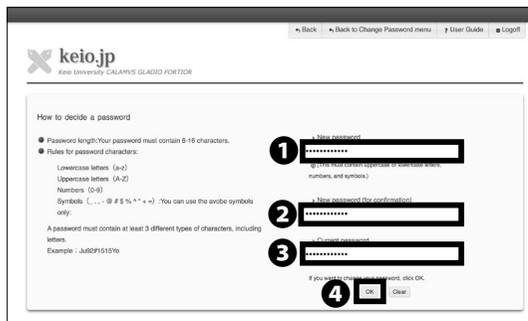
### 02

Click ❶ "Change Each Password at the top of the page.



### 03

Click ❶ "keio.jp."



### 04

Type your current keio.jp password in ❸ "Current password" and your new keio.jp password in ❶・❷. Then, click ❹ "OK" to apply changes.

## Have You Forgotten Your Password?

If you have forgotten your CNS login password, you must bring your student ID to the CNS Service Counter **【p.157 : SFC-CNS Technical Support Services】** to change your password.

If you have forgotten your IMAP/SMTP-AUTH password, please refer to **【p.147 : Checking and Changing SFC-CNS Passwords】** to set a new email password.

If you have forgotten your ID and/or password for keio.jp, please bring your student ID to the CNS Service Counter and fill out the appropriate form.

### COLUMN vol.4

## Tips for Creating Stronger, More Secure Passwords

Currently, you must make and remember passwords to protect your digital information. The steps below are designed to help you make more secure passwords.

#### Step 01: Decide the basic string for your password

Refrain from using your telephone number, name, birthday, or any other words that could be easily obtained by a third party. You should also refrain from using words available in a dictionary.

#### Step 02: Replace letters with special characters and numbers

Replacing letters with characters and numbers can strengthen the security of a password (e.g. word > w0rd, Internet > !nternet, queen > 9queen)

#### Step 03: Do not use the same password more than once

Using the same password for multiple websites makes it easier for an attacker to steal your password and impersonate you. You should make a different passwords for each service you use. However, remembering several unique passwords can be difficult, so you may be able to combine existing passwords and use similar expressions to make new ones (e.g. w0rd > cw0rdns [CNS Password], Internet > ma!nternetil [mail password]).

There are also several resources available online for generating stronger and more secure passwords. Enjoy a more secure internet life using a strong, original password.

## 4

# Troubleshooting

## Problems with Wireless LAN Connection

### 01 Check Your Physical Switch

Your computer may have a physical switch for controlling wireless adapters. Please look for a Wi-Fi switch on your computer and access the system configuration on your computer to ensure that your wireless adapter is turned on.

### 02 Check Your Certificate Expiration

You can confirm the expiration date of your certificate by following the instructions at the following site. Once the expiration date has passed, you will not be able to

connect to the campus wireless LAN, so you will need to delete the old certificate and reissue a new one. For more details, please refer to the website below.

⇒ [https://secure.itc.keio.ac.jp/c/a/sfc/en/network\\_information\\_wireless\\_802\\_1x\\_renew.html](https://secure.itc.keio.ac.jp/c/a/sfc/en/network_information_wireless_802_1x_renew.html)

### 03 Reconfigure Wireless Network

In some cases, your wireless network setting might not have been configured correctly. Please reconfigure the device; refer to [p.15 : Wireless LAN] .

## Problems with CNS Printers

### 01 Check Wireless LAN Connectivity

Printing requires internet connectivity; please check your network connectivity and try again.

### 02 Check File Size of Printing Jobs

Reduce the size of the file you are trying to print. If your file is too big, it may take a while to be sent to the CNS printers.

Changing file format may also help make the file smaller.

### 03 Check Printer Status

Occasionally, printers may show errors if they run out of toner or paper. If CNS printers display any errors, please contact Shonan Fujisawa Campus ITC immediately.

### 04 Check Setting for Printers

Your computer might not be properly configured if you are having problems with printing. Please setup the printer profile again by following the instructions on [p.77 : CNS Printers] .

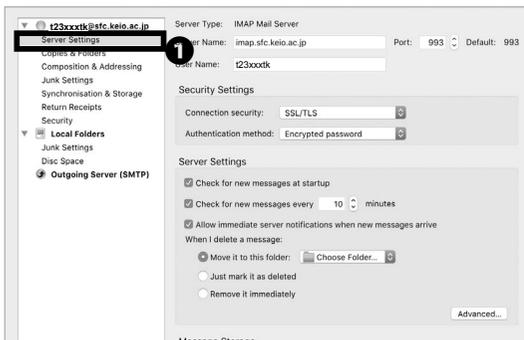
## Problems with Sending / Receiving Mail



# 01

If you cannot send emails even though your sending and receiving email addresses are correct, your email client configuration might need to be updated.

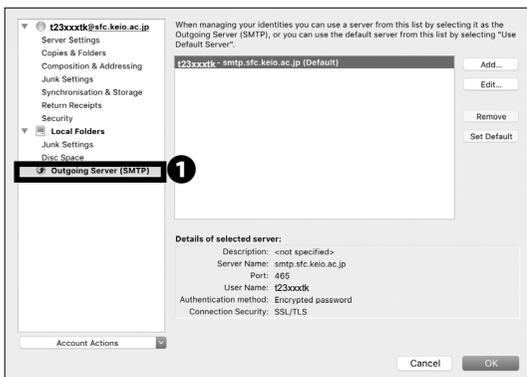
Please refer to **[p.56 : Configuring Your CNS Mail on Your PC(Windows11), p.60 : Configuring Your CNS Mail on Your Mac(mac OS)]** and setup your mail client again. To change the settings in Thunderbird, click **2** "Account Settings" from **1** "Tools."



# 02

## Incoming Receiving Servers

Click **1** "Server Settings" to check the current setting of incoming servers.



# 03

## Outgoing Sending Servers

Click **1** "Outgoing Server (SMTP)" to check sending server settings.

If you encounter any strange error messages or have difficulties solving an issue by yourself, please visit the ITC CNS service desk.

## 5

## Troubleshooting of On-Campus Macs

Quick Fix with CNS Tool

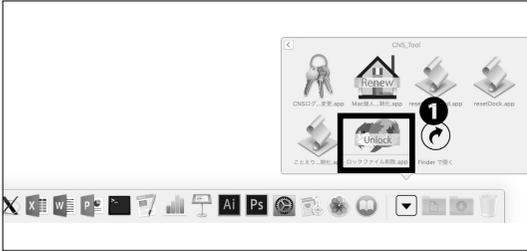
01

The CNS Tool will help you change your CNS login password. Reset all the configurations and file systems of your personal CNS space, and delete any locked files.



You can open **2** "CNS Tool" folder from the **1** "Applications" folder in your dock.

## Unable to Launch Firefox or Thunderbird



### 01

If Firefox or Thunderbird cannot be launched and shows the error "already activating and cannot be launched," you can fix this problem with "Unlock Firefox Thunderbird.app."

Click **1** "Unlock Firefox Thunderbird.app" in the "CNS\_Tool" folder.



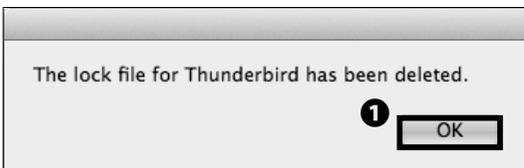
### 02

Click **1** "OK."



### 03

Click **1** "Firefox", **2** "Thunderbird," or **3** "Both."



### 04

Click **1** "OK."

## Resetting Your CNS Personal Space



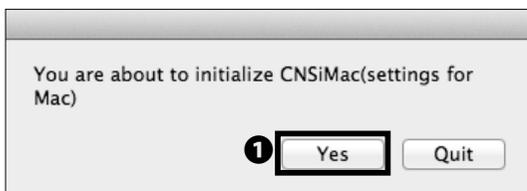
### 01

If you encounter serious problems with your CNS personal space while using on-campus Mac computers, you may reset your entire CNS personal space to fix any problems.

This will delete all the files listed below:

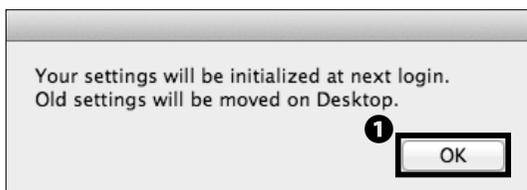
- Files on Desktop
- Files in Documents folder
- Files in Music folder
- Files in Pictures folder
- Bookmarks on Firefox and Safari

**Your CNSiMac directory will be backed up and stored in a new folder "Previous\_CNSiMac."** However, this folder can only store one backup at a time. Please make a backup of the folder if necessary. If you understand the risks and wish to proceed, click ❶ "Renew CNSiMac.app" from the "CNS\_Tool" folder.



### 02

Read the warning in STEP 01, and, if you have no objections, click ❶ "Yes."

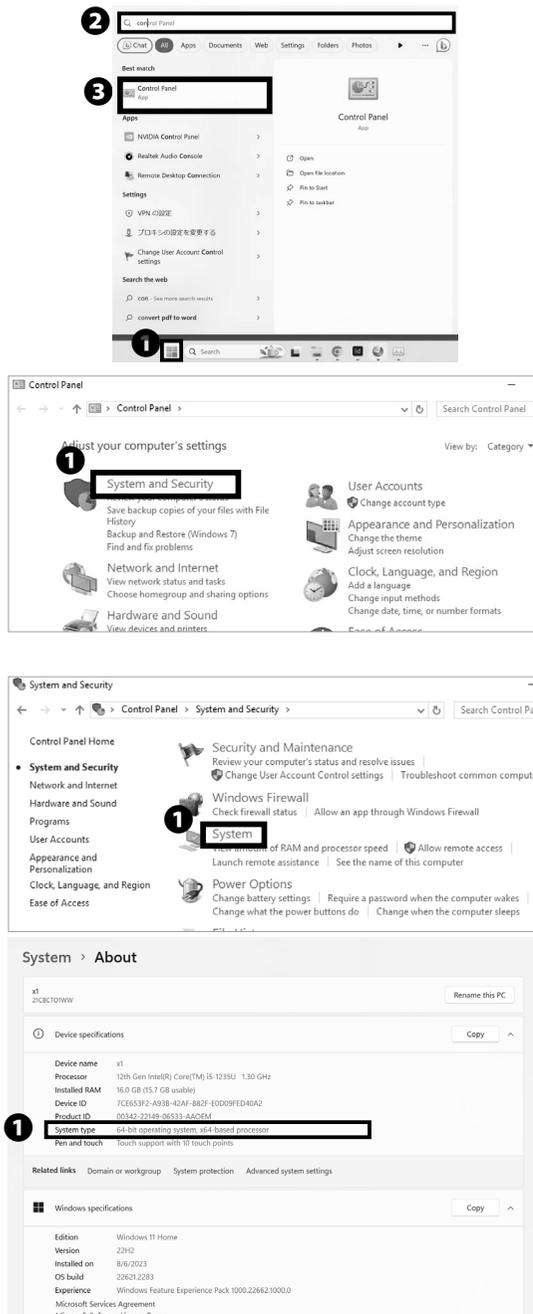


### 03

Click ❶ "OK." Your personal CNS space will be reset the next time you login.

## 6

## How to Check a PC's Operating System



01

**1** Search "Control Panel" by using the **2** "Search box" in the bottom left corner of the desktop and click **3** "Control Panel - Desktop App" from the search results.

02

Click **1** "System and Security."

03

Click **1** "System."

04

Check **1** "System type."

You can check your computer configuration, such as Windows version, processor, installed memory (RAM), and system type (32-bit or 64-bit).

## 7

## SFC-CNS Technical Support Services

Please send any questions you have about SFC-CNS to Shonan Fujisawa ITC. You can also check our website for further up-to-date information:

⇒ [https://www.sfc.itc.keio.ac.jp/en/top\\_sfc.html](https://www.sfc.itc.keio.ac.jp/en/top_sfc.html)

Shonan Fujisawa ITC (Information Technology Center)		
Location	Media Center North First Floor CNS Service Desk	
E-mail Address	cns-request@sfc.keio.ac.jp	
Website	<a href="https://www.sfc.itc.keio.ac.jp">https://www.sfc.itc.keio.ac.jp</a>	
Opening hours	9:15 - 17:00 (Closed on Saturdays, Sundays, public holidays, and holidays set by Keio.)	
Hotline (Weekdays)	9:15 - 18:00 (Spring/Fall semester) 9:15 - 17:30 (Summer/Winter break period)	Tel : 0466-49-3423  Extension : 52512
Hotline (Saturday)	9:15 - 17:30 (Spring/Fall semester) closed (Summer/Winter break period) (Closed on Sundays, and public holidays.)	



# 8

## Appendix

Contact addresses in case you have any problems, list of equipment available for public use, and information about copyright.

Terms of Use	160
Rules of Using On-Campus Computers	161
List of Available Equipment on Campus	162
Copyright Rules and Claims	163

## 1

## Terms of Use

To Users of CNS

Shonan Fujisawa Campus

Shonan Fujisawa Campus - Campus Network System Terms of Service

The following rules shall be observed by all users of the Shonan Fujisawa Campus - Campus Network System (hereinafter referred to as "SFC-CNS").

- I . SFC-CNS users acknowledge that the SFC-CNS is a network for academic purposes.
- II . Individuals using the network for non-educational or non-research purposes, such as any examples listed below, may have their SFC-CNS accounts terminated or temporarily suspended. Users should understand that such termination or suspension could result in inability to earn course credits or other significant disadvantages.
  - a. Profit making activities
  - b. Actions or activities that violate public order and decency
  - c. Actions or activities that invade the privacy of others
  - d. Actions or activities that interfere with the normal operation of the network
  - e. Actions or activities that infringe on copyrights or other intellectual property rights
  - f. Actions or activities which could damage the reputation of Keio University
  - g. Other actions or activities that violate laws and regulations or rules of Keio University
- III . Individuals found to be operating devices that could interfere with the normal operation of the network may have their access to SFC-CNS terminated.
- IV . These rules may be revised at any time. Revised rules shall take precedence over previous versions.
- V . The Shonan Fujisawa Campus shall issue SFC-CNS accounts only to persons agreeing to abide by these rules.

Established: 3 September 2003

Enforced: 3 September 2003

## 2

## Rules of Using On-Campus Computers

**01** Introduction

You may not use CNS for inappropriate purposes and should respect other network users at all times. You must abide by the following rules and should refrain from abusing campus resources. For the full CNS terms of use, refer to [p.160 : Terms of Use] .

**02** Do Not Drink or Eat

Liquid and food can cause severe damage to computer equipment. No beverages and wet objects (with exception of bottled drinks) are allowed to be placed near computer equipment.

**03** Fair Use

Because a limited number of computers are available for public use, the demand for equipment exceeds availability. Please be respectful and sensitive to the needs of others at all times and limit your use during times of heavy demand.

**04** Log Out When Finished

Make sure to log out when you are finished. If you do not, a third party may exploit your account for illegal means and put the CNS network at risk.

Antivirus 5

CNS Servers 6

FAQ 7

Appendix 8

## 3

## List of Available Equipment on Campus

## 01 Equipment at Media Center

Some computers have audio-visual equipment installed, which allow you to make copies of VHS tapes or edit video materials. Service hours are from 9:15 to 22:00 on weekdays, and from 9:15 to 19:00 on Saturdays. On Sundays and National holidays, the center is closed. To enter the Media Center, your Student ID card is required. You may refer to the website for further information:

⇒ <https://www.lib.keio.ac.jp/en/sfc/>

## 02 Equipment at PC Rooms

PC Rooms are available to use 24 hours a day unless a lecture is conducted in the room. On New Years' holidays and summer holidays, the rooms will be closed. To enter the room, your Student ID card is required. If you do not have a student ID card, you will not be able to use the facilities. In addition, if you wish to use the room between 23:00 and 8:00 the next day, you must submit an "online residency notice" on the Web in advance.

Location		Use Type	Model / OS	Quantity	Host Name
Media Center	Open Area (1st Floor)	Walk-by	Lenovo ThinkStation P360(Windows 11)	1	mcsupc01
		Scaning	Lenovo ThinkStation P360(Windows 11)	4	mcvspc01-04
		Video Editing	iMac Pro 2017 (macOS 12.6.3)	6	mchdmac01-06
			iMac Retina 5K 27inch 2017 (macOS 12.6.3)	2	mchdmac80,81
		Music Composition	iMac Retina 5K 27inch 2019 (macOS 12.6.3)	2	mcdamac01,02
		General Use	Lenovo ThinkStation P360(Windows 11)	5	mcws01-02 mcwin01-03
			iMac Retina 5K 27inch 2017 (macOS 12.6.3)	6	mcmac01-06
		Printer	Kyocera ECOSYS P8060cdn	2	-
		BYOD Monitor	DELL U3818DW 37.5inch Ultra Wide Monitor	1	U3818DW
			DELL P4317Q 42.5inch 4K Multi-Monitor	1	P4317Q
Apple Pro Display XDR 32inch Retina 6K Display	1		-		
EIZO CG319X 31.1inch Color Management LCD Monitor	2		-		
PC Rooms	λ 11	CG/CAD/ Statistical analysis	Lenovo ThinkStation P360(Windows 11)	45	ws00-44
	λ 18	Video Editing	iMac Retina 5K 27inch 2017 (macOS 12.6.3)	40	hdmac00-39
	λ 21	Music Composition	iMac Retina 5K 27inch 2019 (macOS 12.6.3)	40	damac00-39

(As of September 2023)

## 4

## Copyright Rules and Claims

## 01 Copyright

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- The cited work is necessary to prove your point
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# SFC CNS GUIDE 2023 English Edition

September 1, 2023 (Date of Issue)

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ISBN 978-4-906838-45-5