

SFC CNS GUIDE 2016

Shonan Fujisawa Information Technology Center
Keio University

Preface

The Shonan Fujisawa Information Technology Center continuously has put tremendous effort into providing the most advanced technology to all students, faculty, and staff at SFC since the establishment of this campus. This guide will walk through some of the most common techniques to use our cutting-edge technologies and methods to make the best use of the services to enhance students' learning experiences and be academically successful.

This book consists of three sections: introduction, basic use, and advanced use of the Shonan Fujisawa Campus - Campus Network System (SFC-CNS.)

Before starting your first day at SFC, you should be well-familiarized with our spirit. Everyone on this campus should contribute to the system to establish, improve and improvise new services for every individual on the network. Explore technology and make a difference.

Such cooperation is only possible when campus services are open to everyone. However, open often means insecure. Everyone has a responsibility to protect their own data and equipment and must respect others on the network.

Follow the rules written below and enjoy your college life:

- Do not illegally duplicate software. You must observe copyright laws.
- It is prohibited to access files or other information without permission from the author(s).
- Understand SFC-CNS is a system exclusively for education and research purposes. Do not use the services for other purposes (such as profit-making activities.)
- Do not access computers without permission.
- Do not troll others on social networking services.
- Do not send emails with the intention of harming others.
- Do not send or forward chain emails.
- You must be aware that people all over the world can read the webpages you create and publish on this network. Be sure to observe copyright law, especially when you include pictures, audio files, or movies.
- Do not cause trouble to others.

If you have any further questions, please feel free to visit the CNS Consultant Desk in the Media Center or the Shonan Fujisawa Information Technology Center (ITC) at SFC.

Acknowledgement

ITC organized an editorial committee consisting mainly of students to determine what contents should be included in this guide book. Many other contributions from students are contained throughout the book in the form of "frequently asked questions."

I would like to thank the students for writing, correcting and editing this guide, and I am grateful to all the people who contributed to the SFC CNS Guide.

Keisuke Uehara

Director, Shonan Fujisawa Information Technology Center

Shonan Fujisawa Information Technology Center (ITC)

Director Keisuke Uehara

SFC CNS GUIDE Editorial Committee

Leader Ryotaro Hishinuma

Member	Shuya Osaki	Eri Kawashima	Akino Nakamura	Hana Tomioka
	Korry Luke	Leo Fujita	Shota Ishizaki	

Staff	Yukiteru Sekimoto	Takashi Yamagata	Yozo Watanabe	Hiroataka Nakajima
	Maika Suemasa			

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1

Start Up

Introduction to SFC-CNS and other frequently used websites

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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, the Gakuji Web System (Academic Affairs Web System), and many others. 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 the 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 and Graduate School of Media and Governance, and Graduate School of Health Management, according to the CNS Terms of Use (refer to 【p.136 : 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 do so at the "Information for Students at Other Campuses" section of the Shonan Fujisawa Information Technology Center (ITC) website:

⇒ http://www.sfc.itc.keio.ac.jp/en/top_sfc.html

*If you are only taking correspondence courses and 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.

s 16 xxx tk
 faculty enrollment name initials
 year

The example login name shown above belongs to a student enrolled at the Faculty of Policy Management in academic year 2016. Each user has an email address in the form "[your CNS login name]@sfc.keio.ac.jp", which can be accessed by using a separate password from your CNS login password (refer to <page for IMAP/SMTP-auth password.)

03 Password Management

A CNS login password is used to confirm your identity when accessing certain resources on CNS. You must make a password that satisfies the following conditions:

- Contain only alphanumeric characters and certain special characters
- Contains 10 or more characters
- Contains at least one uppercase characters and lowercase characters and one number

The following password types should be avoided completely because they can be easily guessed.

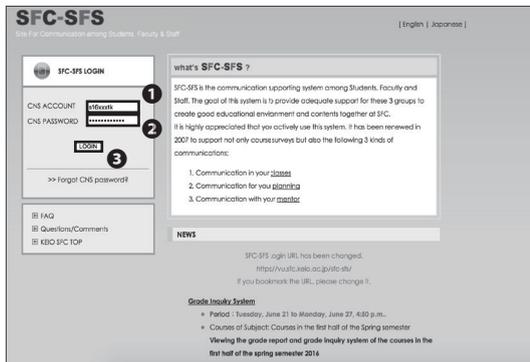
- Your name or any relative's name
- Common dictionary words
- Birthday, address, telephone number, or repeated sequences of characters

Your CNS login password must be changed at least once every 180 days, or your CNS account will be suspended. For help changing your password, please refer to **[p.124 : Checking and Changing SFC-CNS Passwords.]** If you forget your password, or if your account has been suspended, please bring your student ID or campus card to the CNS/ERNS service desk at the Shonan Fujisawa Information Technology Center (refer to **[p.134 : SFC-CNS Technical Support Services]**).

If you suspect any suspicious activity involving your CNS account, change your CNS login password immediately and consult the CNS/ERNS service desk at the Shonan Fujisawa Information Technology Center. To change your CNS login password, please refer to **[p.124 : Checking and Changing SFC-CNS Passwords.]**

2

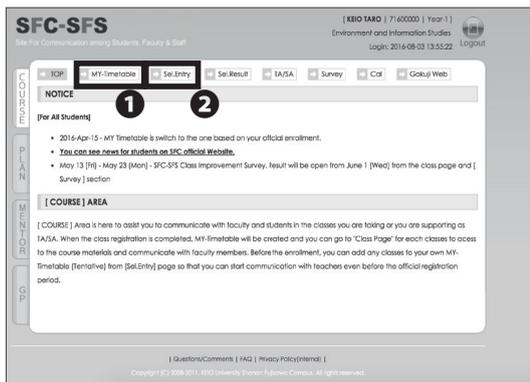
Websites You Can Use on Campus

SFC-SFS

01 About SFC-SFS?

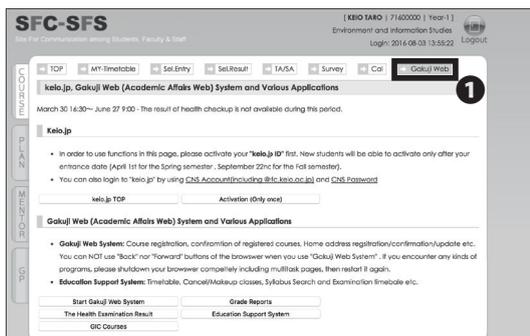
SFC-SFS is the communication support system for faculty members and students on campus. You will find information about your registered classes. In order to login, type your CNS login name in ❶ “CNS ACCOUNT” and your CNS login password in ❷ “CNS PASSWORD.” Then, click ❸ “LOGIN.”

⇒ <https://vu.sfc.keio.ac.jp/sfc-sfs/index.cgi?+en>



02 Use SFC-SFS

You can check your class scheduled on ❶ “MY-Timetable.” To view the class page, click the name of the class you are taking. On this page, you can check detailed information about classes, download lecture notes, submit assignments, and request to stay overnight to study. You can create your plan for next semester and submit assignments for classes requiring pre-registration on ❷ “Sel. Entry.”



03 Academic Affairs Web System

You have access to the ❶ “Gakuj Web (Academic Affairs Web System)” through SFC-SFS. Services such as “keio.jp Activation,” “Cancelled Class Information,” and “Grade Reports” are also available here.

keio.jp


 Keio University CALAMVS GLADIO FORTIOR

ログイン対象/Log in to :
keio.jpポータル / keio.jp Portal

1 ID:
t.keio@keio.jp

2 Password:
.....

ワンタイムパスワードを利用する/ Use One-Time Password

3 **Login**

Guidicon | off

[利用者ガイド \(User's Guide\)](#) [サポート \(Support Desk\)](#)
[ワンタイムパスワードについて \(About One-Time Password\)](#)

(C) 2014, Keio University.

01 What is keio.jp?

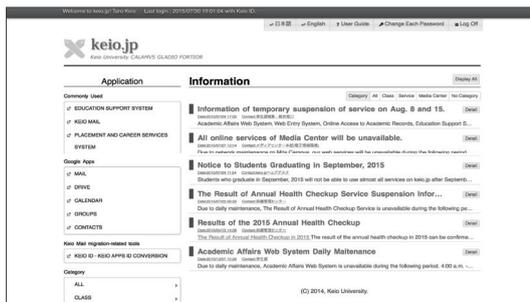
Keio.jp is the identity management platform used in Keio University. The system can also be used to obtain student software licenses.

⇒ <http://keio.jp/>

You must set up and activate your keio.jp account on SFC-SFS Gakuji Web before the first use.

After activating your account, type your keio.jp ID in ① "ID" and your keio.jp password in ② "Password." Then, click ③ "Login."

Since November 11, 2014, keio.jp can also be accessed by logging in with your CNS account and CNS login password. To login with your CNS account, type "[your CNS login name]@sfc.keio.ac.jp" in ① "ID" and your CNS login password to ② "Password." Then, click ③ "Login."

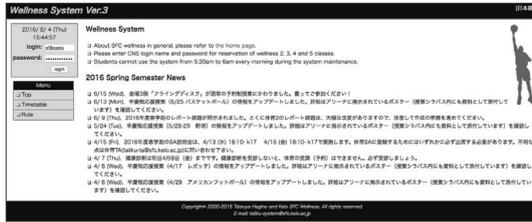


02 Use keio.jp

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.122 : Services that Require Pre-registration.] Also, to issue license after accessing keio.jp, please check STEP 01 ~ 10 of [p.87 : Installing Antivirus Software On Your PC.]

Other Websites



01 Wellness(Physical Education) System

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

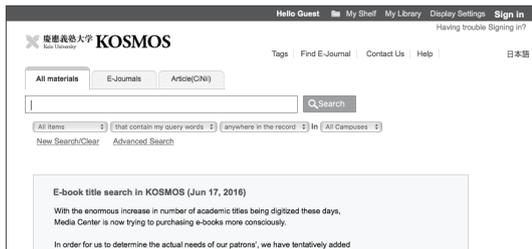
⇒ <https://wellness.sfc.keio.ac.jp/v3/pc.php?newLang=en>



02 Shonan Fujisawa Media Center (Library)

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

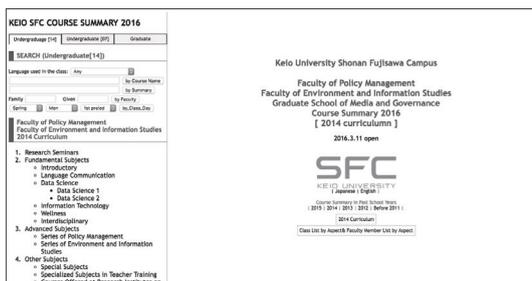
⇒ <http://www.sfc.lib.keio.ac.jp/eng/>



03 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.

⇒ <http://kosmos.lib.keio.ac.jp/>



04 Class & Seminar Syllabus

The SFC syllabus has different pages for regular classes and seminars. You can access each from the URL below:

Class syllabus

⇒ https://vu.sfc.keio.ac.jp/course_u/data/2016/title14_en.html

Seminar syllabus

⇒ <https://vu.sfc.keio.ac.jp/project/>

3

Access Content Only Available
on Campus from OutsideBrowsing the Web Using the CNS Network over WebVPN

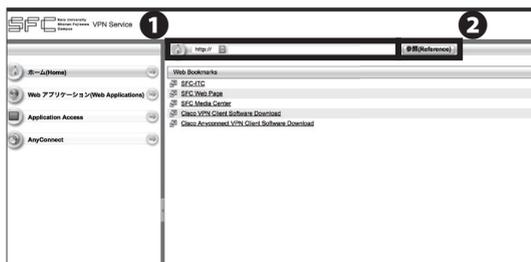
Several webpages are accessible only on campus due to licensing restrictions. However, you can use these websites from outside SFC if you have a CNS account.

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://vpn1.sfc.keio.ac.jp/>

Type your CNS login name in **1** "CNS login name" and your CNS login password in **2** "CNS login password." Then, click **3** "ログイン (Login)."



02

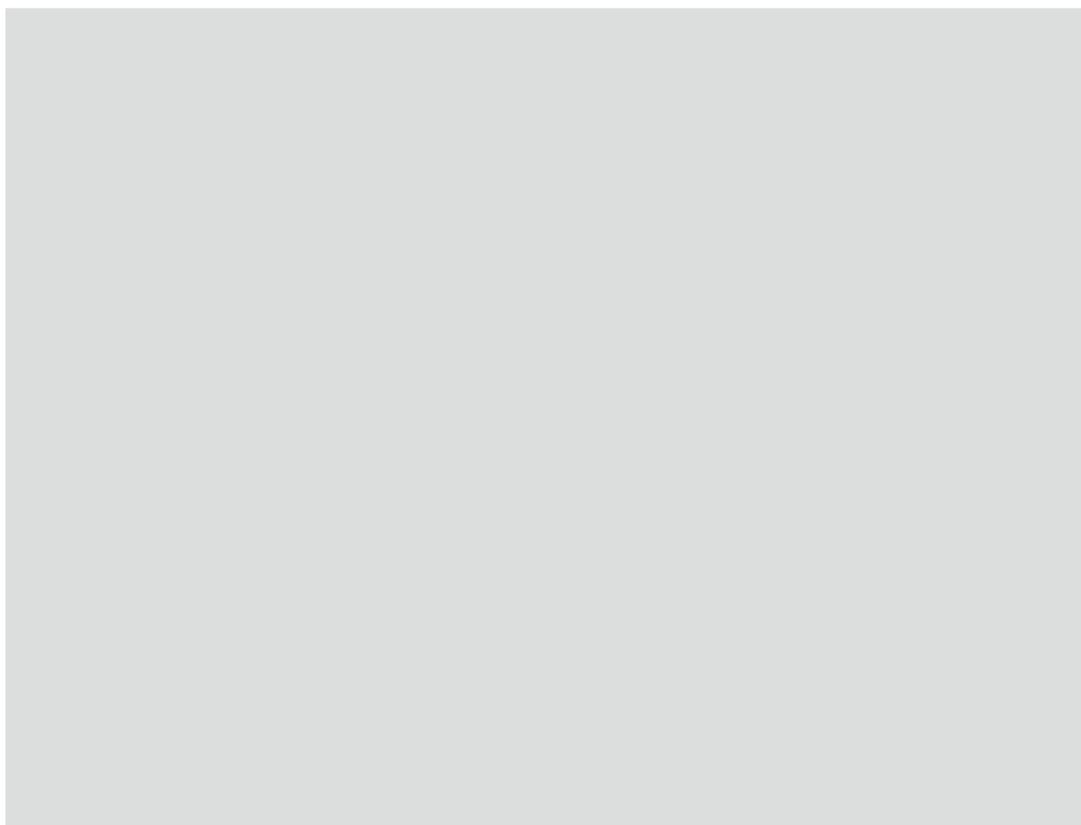
Type the URL of the webpage you want to browse in **1** and click **2** "参照 (Reference)." You can browse the website almost as if you were on campus.

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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 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.

⇒ http://www.sfc.itc.keio.ac.jp/en/network_cns_vpn.html



2

Wireless LAN

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

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Connecting Your Mac (Mac OS X) to CNS	26
Connecting Your iOS Device to CNS	29
Connecting Your Android Device to CNS	34
Connecting Your Device to CNS by EAP-PEAP Authentication	39

1

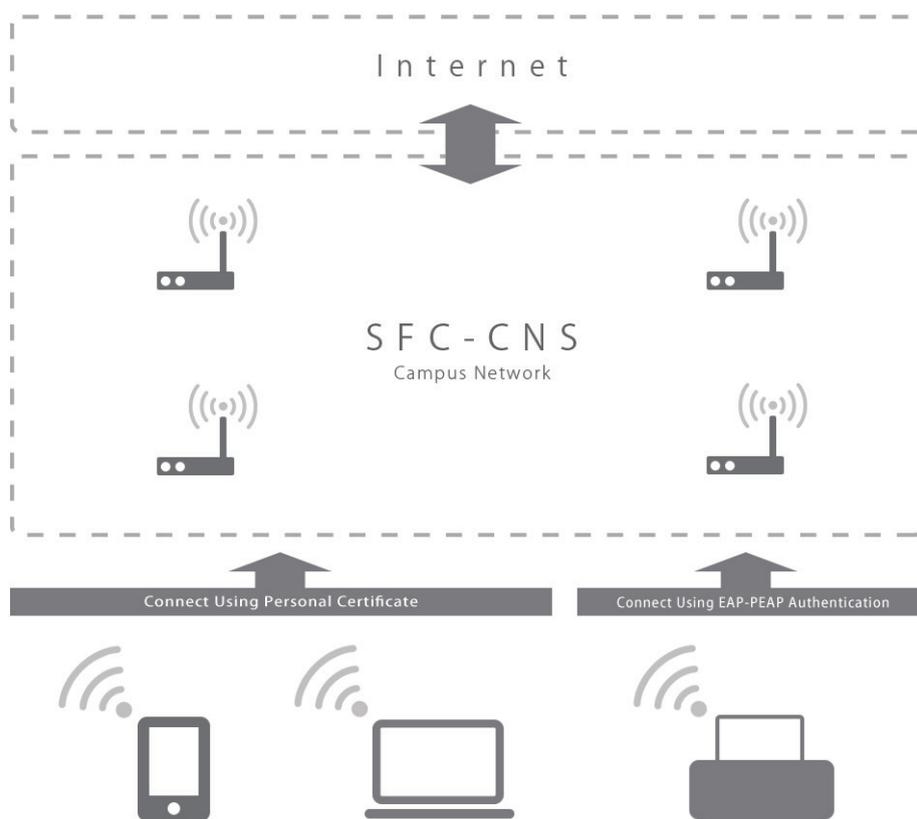
About the Wireless LAN Environment on Campus

Wireless network access points are widely available on campus for research and educational purposes. Wireless LAN is a network connected over wireless signals. Wireless LAN of CNS uses IEEE 802.11 a/b/g/n. Your access must be authenticated via personal certificate, EAP-PEAP. Your certificate strengthens the security of your connection and confirms your identity on the network.

In this section, we are going to explain how to access

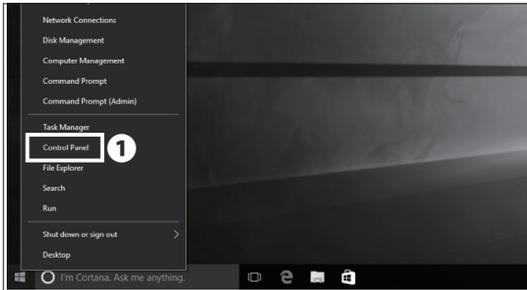
the Internet using a personal certificate using Windows 10, Mac OS X, iOS, or Android.

If your device is not compatible with EAP-TLS authentication, EAP-PEAP certification is recommended.



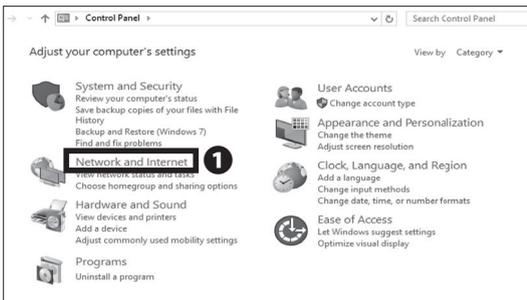
2

Connecting Your PC (Windows 10) to CNS



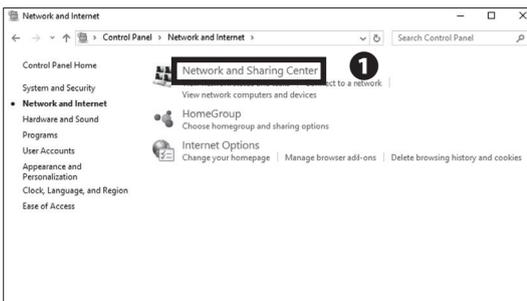
01

First, connect to the wireless LAN temporarily for network configuration. If you have a mobile router or any other method of connecting to the Internet, skip to STEP 08. If not, right-click the Windows key and click **1** “Control Panel”.



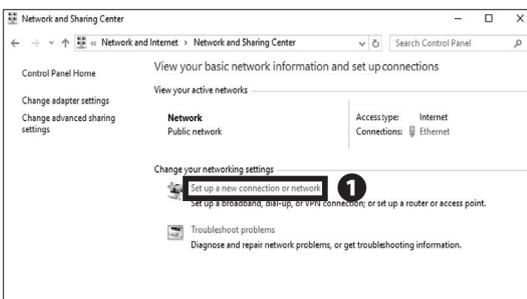
02

Click **1** “Network and Internet.”



03

Click **1** “Network and Sharing Center.”



04

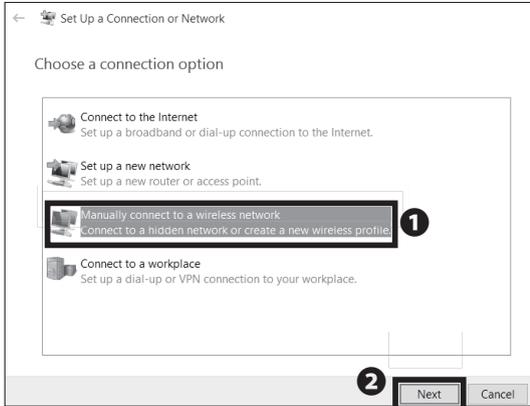
Click **1** “Set up a new connection or network.”

Start Up 1

Wireless LAN 2

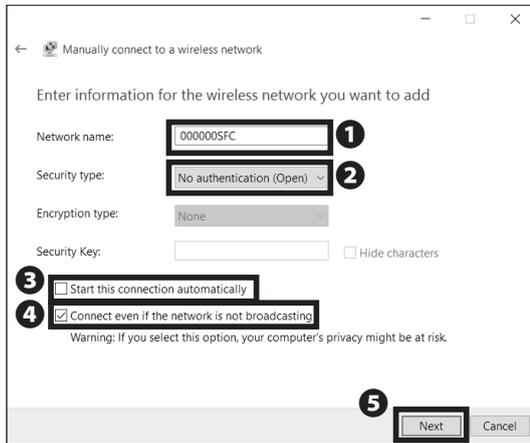
CNS Mail 3

CNS Printers 4



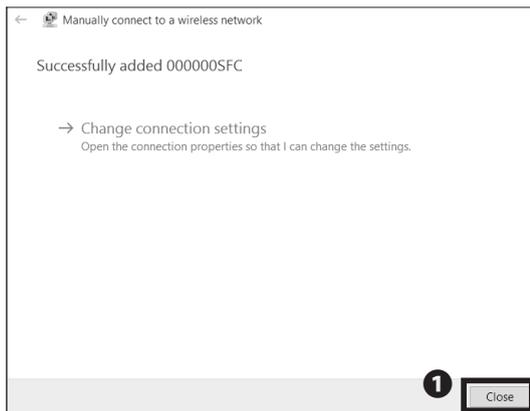
05

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



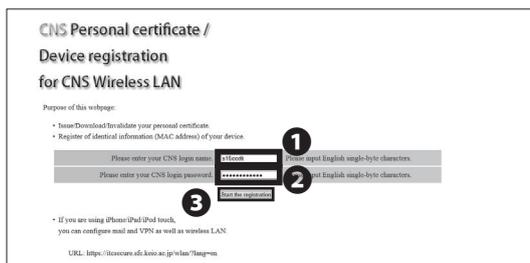
06

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."



08

Open a web browser and go to the URL:

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

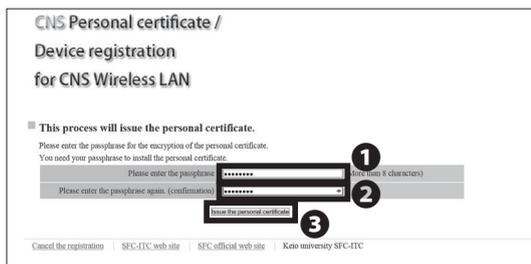
Type your CNS login name in **1** and your CNS login password in **2**, then click **3** "Start the registration."



09

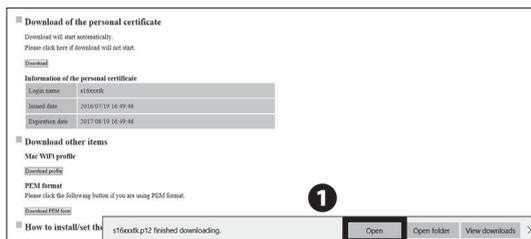
If this is your first time creating a personal certificate, select “Issue” in **1** and click **2** “Submit.”

If you have already issued your personal certificate and the certificate is still valid, select “download” in **1**, click **2** “submit,” and skip to STEP 11. If not valid, select “Reissue” in **1** and click **2** “Submit.” If you select “Reissue,” your previously issued certificate will be invalidated.



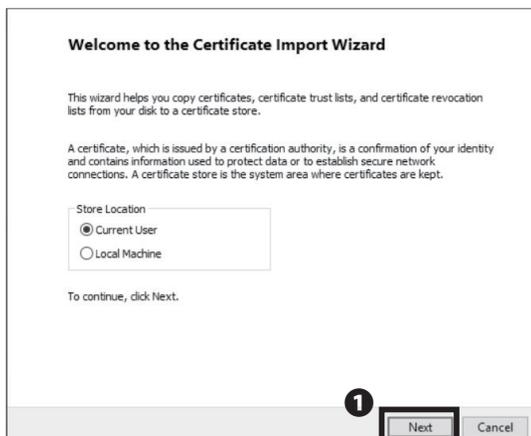
10

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. Enter your passphrase in **1** • **2**, and click **3** “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 with a download notification. On Microsoft Edge, a dialogue box will appear at the bottom of the window. Click **1** “Open.”



12

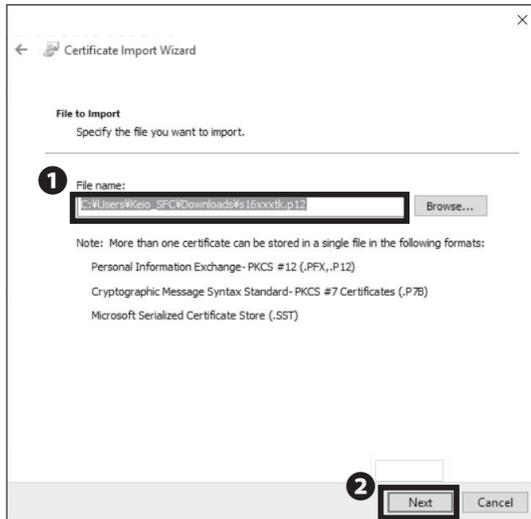
Open the file you just downloaded and wait for “Certificate Import Wizard” to appear. Then click **1** “Next.”

Start Up 1

Wireless LAN 2

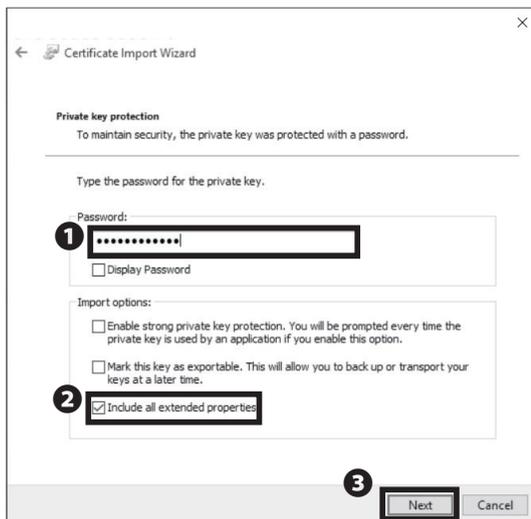
CNS Mail 3

CNS Printers 4



13

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



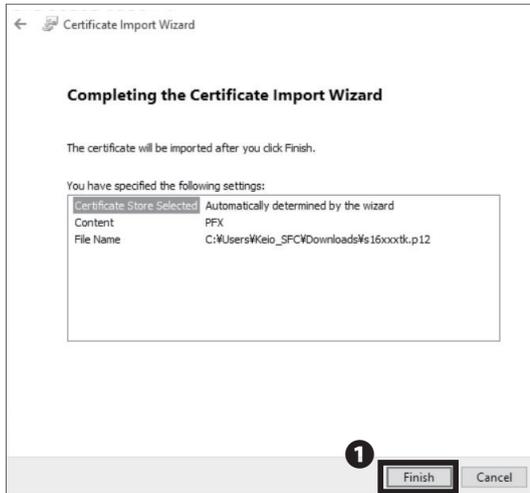
14

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

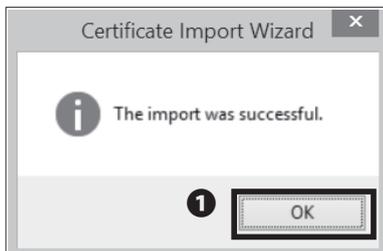


15

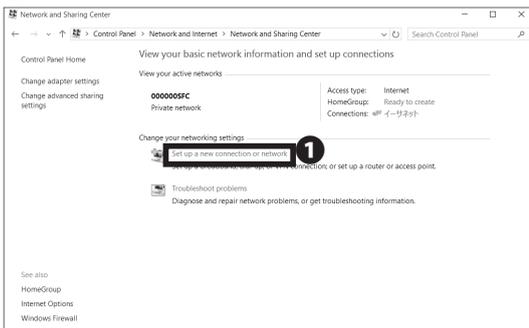
Click **1** "Next."



16

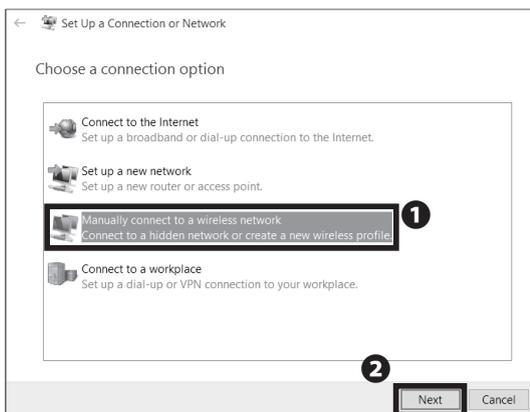
Click **1** "Finish."

17

Click **1** "OK."

18

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."



19

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

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

← Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name: ①

Security type: ②

Encryption type:

Security Key: Hide characters

③ Start this connection automatically

④ Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

⑤

20

Type "CNS" in ① "Network name." Select "WPA2-Enterprise" from ② "Security type" and check ③ "Start this connection automatically." Make sure ④ "Connect even if the network is not broadcasting" is unchecked. Then click ⑤ "Next."

← Manually connect to a wireless network

Successfully added CNS

① Open the connection properties so that I can change the settings.

21

Click ① "Change connection settings."

CNS Wireless Network Properties

①

Connection

Name: CNS

SSID: CNS

Network type: Access point

Network availability: All users

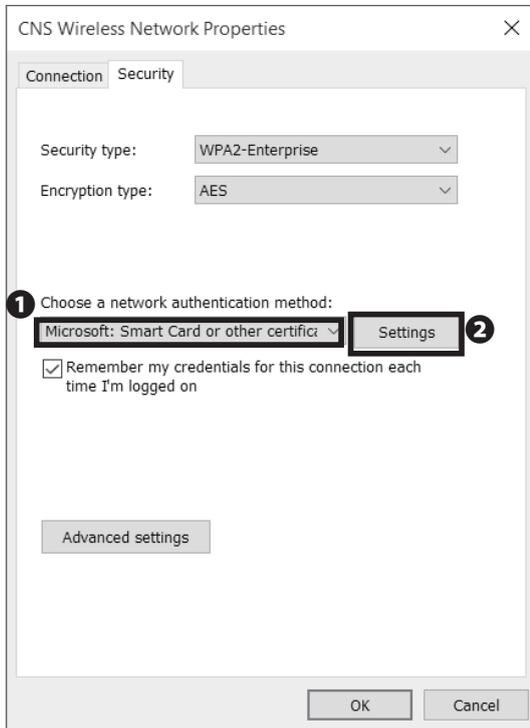
Connect automatically when this network is in range

Look for other wireless networks while connected to this network

Connect even if the network is not broadcasting its name (SSID)

22

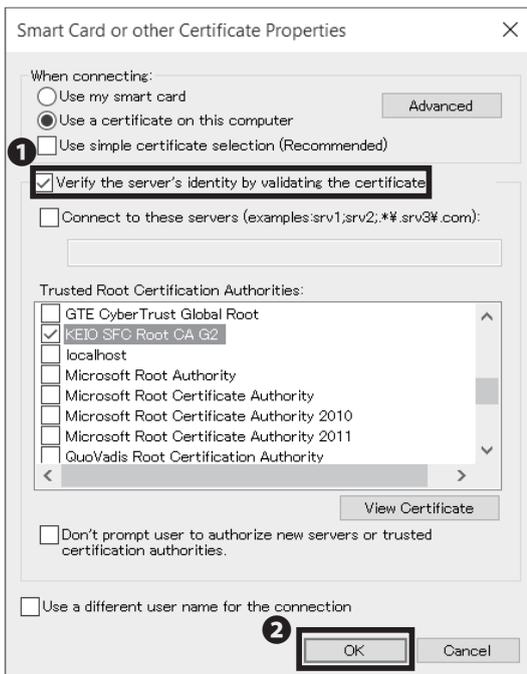
Click ① "Security" tab.



23

On "Choose a network authentication method", select

- 1 "Microsoft: Smart Card or other certificate" and click
- 2 "Settings."



24

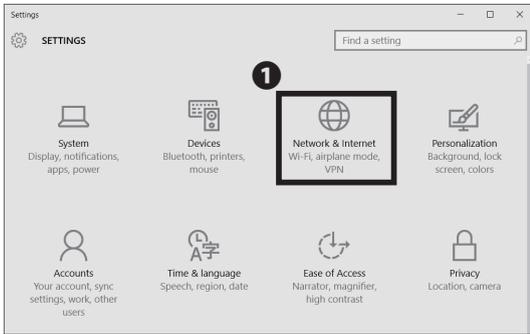
Check 1 "Verify the server's identity by validating the certificate". Then, click 2 "OK."

Start Up 1

Wireless LAN 2

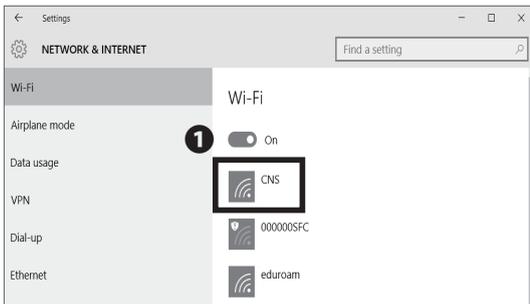
CNS Mail 3

CNS Printers 4



27

Click ❶ "Network & Internet" icon.



28

Click ❶ "CNS".



29

In ❶ "Choose a certificate", select "[your CNS login name]@sfc.keio.ac.jp." From now on, if you are on campus, your device will be connected to CNS automatically.

Connecting your PC (Windows 10) to CNS is completed.

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

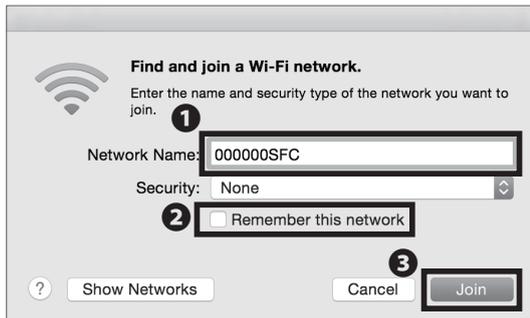
3

Connecting Your Mac (Mac OS X) to CNS



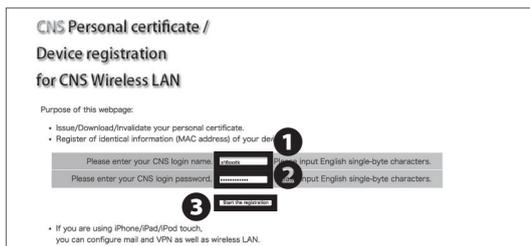
01

First, connect to the wireless LAN temporarily for configuration. If you have a mobile router or any other method to connect to the Internet, skip to STEP 03. If not, click **2** "Join Other Network..." from the list of **1** Wi-Fi icon.



02

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



03

Open a web browser and go to the following URL:

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

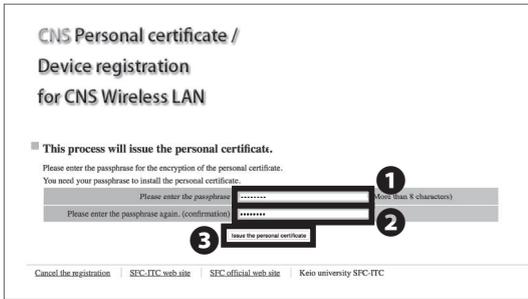
Type your CNS login name in **1** and your CNS login password in **2**. Then, click **3** "Start the registration."



04

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

If you have already issued your personal certificate and the certificate is still valid, select "download" in **1**, click **2** "Submit," and skip to STEP 06. If not valid, select "Reissue" in **1** and click **2** "submit." If you select "Reissue," your previous certificate will be invalidated.



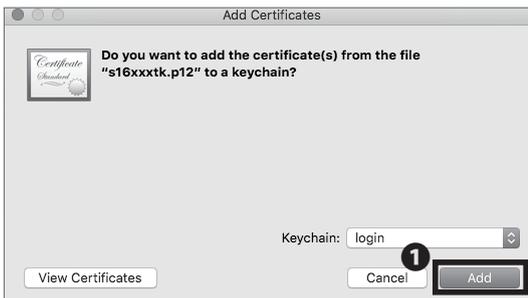
05

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. Enter your passphrase in **1** • **2**, and click **3** "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 **1** "Download" to save the file and open the certificate.



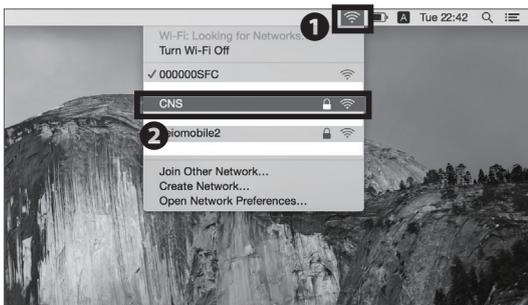
07

Once the window "Add Certificates" appears, click **1** "Add."



08

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



09

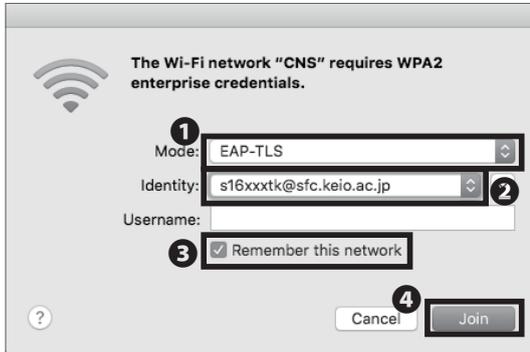
Click **1** Wi-Fi icon to get the list of available wireless networks. Then, select **2** "CNS" from the list.

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4



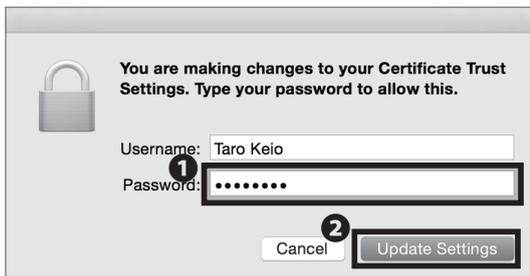
10

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



11

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



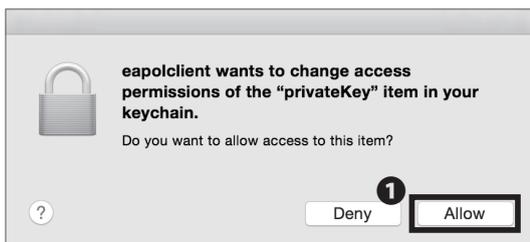
12

When the window prompts you to put in your password, type your Mac OS X account password in 1 "Password." Then, click 2 "Update Settings."



13

The dialogue box shown on the left side will appear. Click 1 "Always Allow."



14

Again, click 1 "Allow" on the dialogue box. From now on, if you are on campus, your computer will be connected to CNS automatically.

Connecting Your Mac (Mac OS X) to CNS is completed.

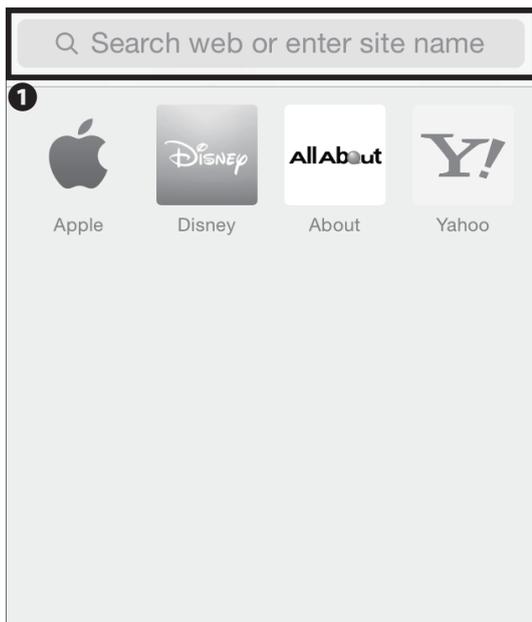
4

Connecting Your iOS Device to CNS



01

On your home screen, tap **1** "Safari."



02

Type the URL in **1** and go to the registration page:
 => <https://itcsecure.sfc.keio.ac.jp/wlan/?lang=en>

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

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

CNS login name	<input type="text" value="s16xxxtk"/>	1
CNS login password	<input type="password" value="....."/>	2
	<input type="button" value="start registration"/>	3

03

Type your CNS login name in **1** "CNS login name" and your CNS login password in **2** "CNS login password." Then, tap **3** "start registration."

logout

Issue of the personal certificate

1 2

Issue	Issue the personal certificate
-------	--------------------------------

04

If this is your first time using the personal certificate, select "Issue" in **1** and tap **2** "go."

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. If not valid, select "Reissue" in **1** and tap **2** "go." If you select "Reissue," your previous certificate will be invalid.

CNS Personal certificate / 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.

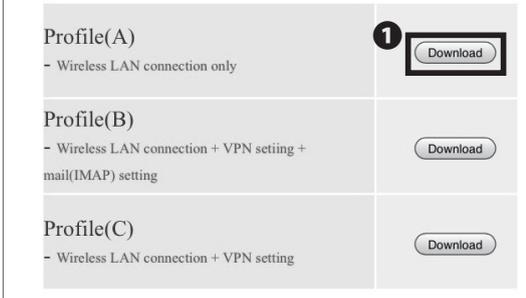
Please enter the passphrase: <input type="password" value="....."/>	1
Please enter the passphrase again (confirmation): <input type="password" value="....."/>	2
<input type="button" value="Issue the personal certificate."/>	3

[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. It must contain at least 8 characters. Enter your passphrase to **1** • **2**, and tap **3** "Issue the personal certificate." This passphrase will be used in STEP 11.

Download of the SFC-CNS setting profile for iPhone



06

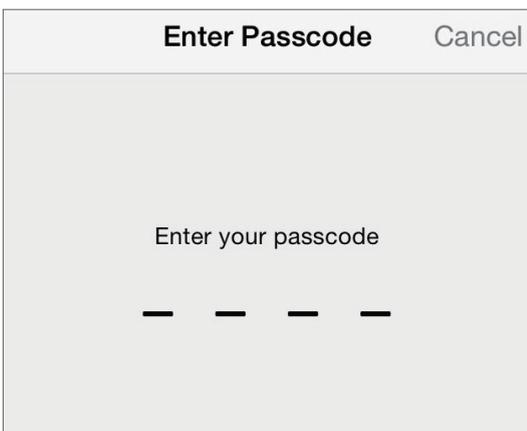
Tap ❶ "Download" in Profile(A).

If you select Profile (B), you can set up both wireless LAN connection and CNS mail setting. Tap "Download" in Profile (B) and follow STEP 07 to STEP 15 at [p.52 : Configuring Your CNS Mail Client on Your iOS Device.] Then, follow STEP 14 and STEP 15 on this section to set up your wireless LAN connection.



07

Tap ❶ "Install."



08

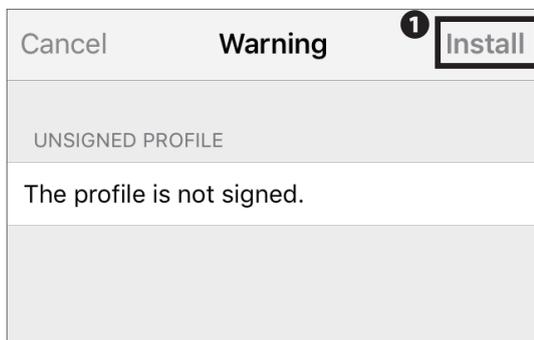
Type in your iOS passcode.

Start Up 1

Wireless LAN 2

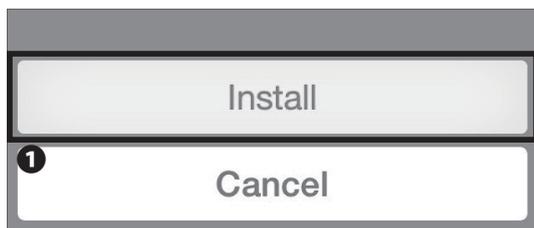
CNS Mail 3

CNS Printers 4



09

Tap ① "Install."



10

Tap ① "Install."



11

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



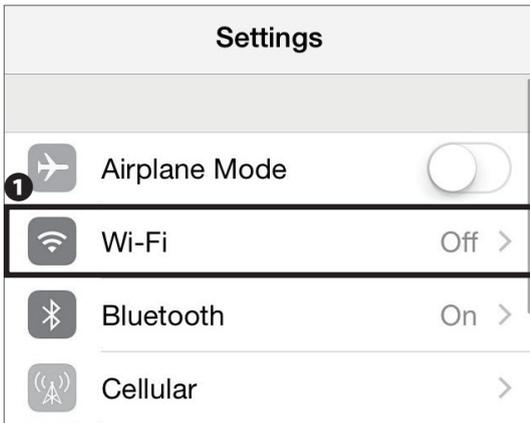
12

Tap ① "Done."



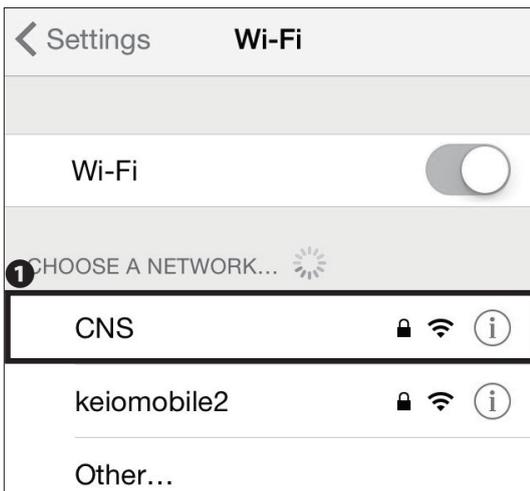
13

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



14

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



15

Tap **1** "CNS." From now on, if you are on campus, your device will be connected to CNS automatically.

Connecting Your iOS Device to CNS is completed.

Start Up 1

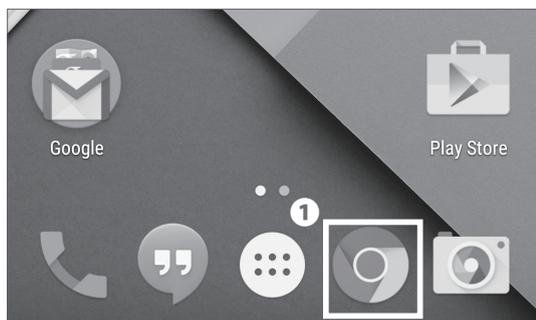
Wireless LAN 2

CNS Mail 3

CNS Printers 4

5

Connecting Your Android Device to CNS



01

On your home screen, tap the **1** Chrome icon.



02

Type the URL in **1** and go to the registration page:

⇒ <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: **1** Please input English single-byte

Please enter your CNS login password: **2** Please input English single-byte

3

03

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

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

logout

■ **Issue of the personal certificate**

① **Issue** **Submit** ②

Issue Issue the personal certificate

■ **Register/Delete the device information**

Registration of the device

SEC-ITC | SEC.official.web.site | Keio university SFC-ITC

04

If this is your first time using the 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. If not valid, select "Reissue" in ① and tap ② "Submit." If you select "Reissue," your previous certificate will be invalidated.

**CNS Personal certificate /
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 ① (min 8)

Please enter the passphrase again (confirmation) ②

③ **Issue the personal certificate**

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 to ① • ②, and tap ③ "Issue the personal certificate." This passphrase will be used in STEP 09.

■ **Download of the personal certificate**

Download will start automatically. Please click here if download will not start.

Download ①

■ **Information of the personal certificate**

Login name	s16xxxtk
Issued date	2016/06/02 12:17:59
Expiration date	2017/07/03 12:17:59

06

Your download will begin automatically. If it does not, tap ① "Download."

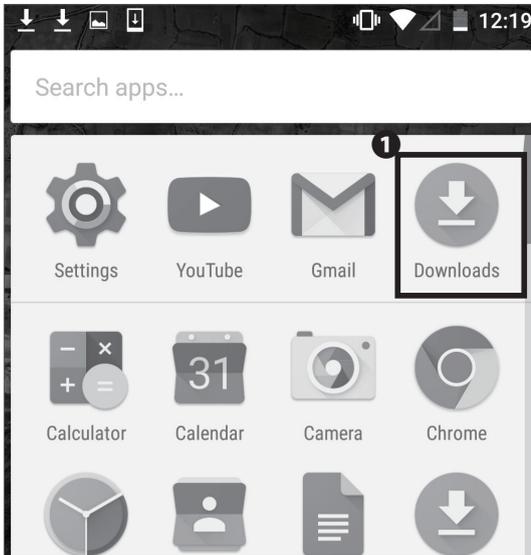
There are some models that cannot download personal certificates properly. If that is the case for your device, please refer to [p.39 : Connecting Your Device to CNS by EAP-PEAP Authentication.]

Start Up 1

Wireless LAN 2

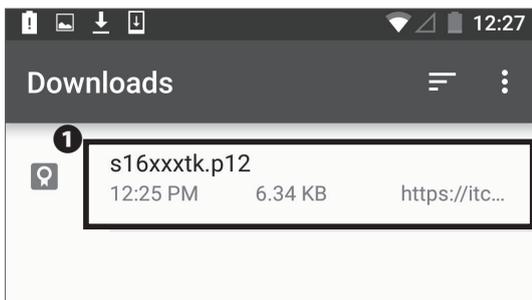
CNS Mail 3

CNS Printers 4



07

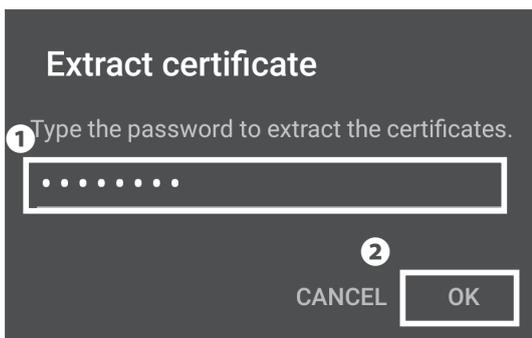
Go to the list of Apps and tap **1** "Downloads."



08

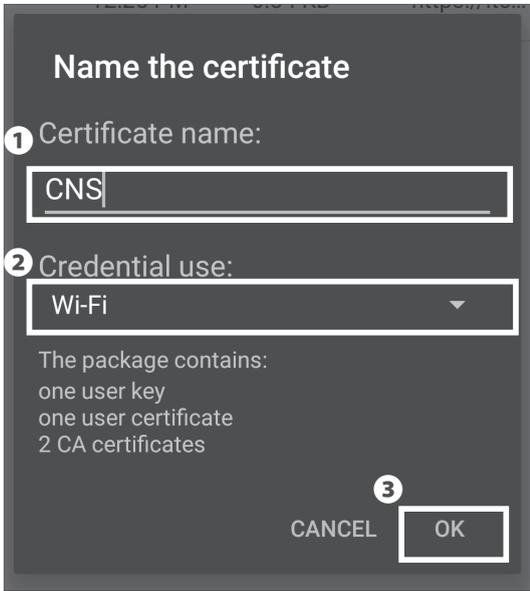
Tap **1** to open the file "[your CNS login name].p12."

There are some Android models that cannot open the certificate file properly. If that is the case for your device, please refer to **[p.39 : Connecting Your Device to CNS by EAP-PEAP Authentication.]**



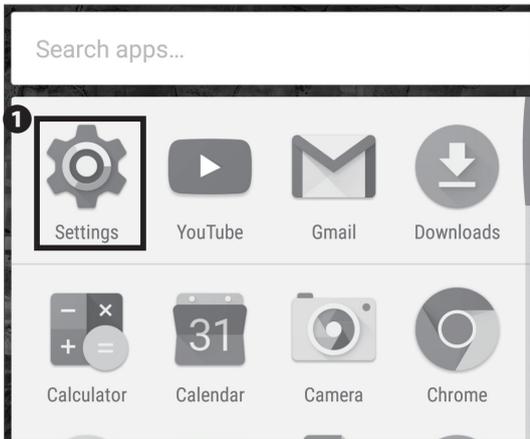
09

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



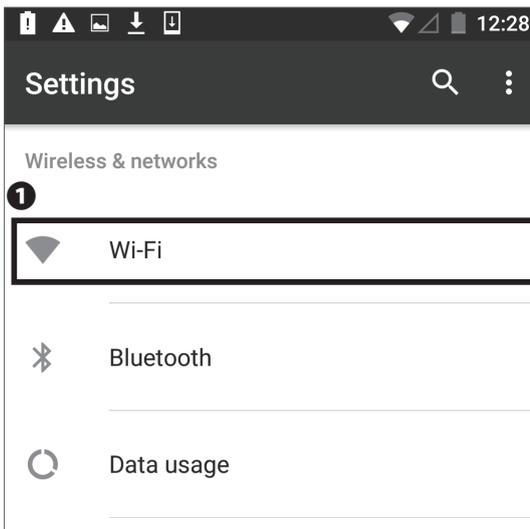
10

Type "CNS" in 1 "Certificate name" and select "Wi-Fi" in 2 "Credential use." Then, tap 3 "OK."



11

Go back to the list of Apps and tap 1 "Settings."



12

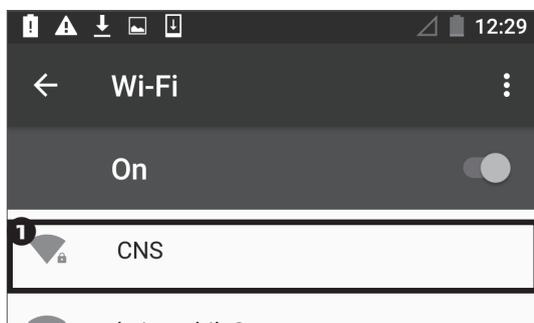
Tap 1 "Wi-Fi."

Start Up 1

Wireless LAN 2

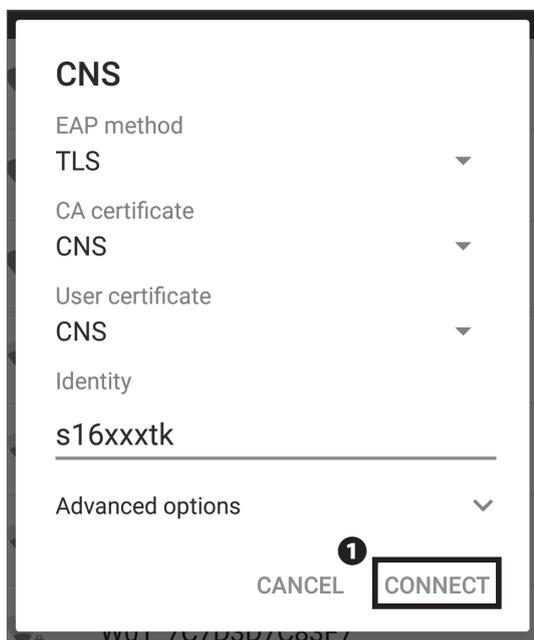
CNS Mail 3

CNS Printers 4



13

Tap ❶ "CNS."

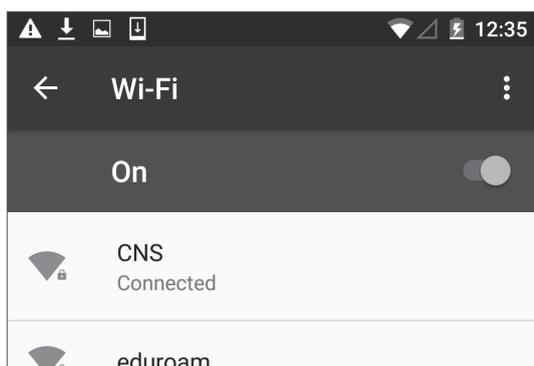


14

Change the settings to the following values:

EAP method	TLS
CA certificate	CNS
User certificate	CNS
Identity	your CNS login name

Once entered correctly, tap ❶ "Connect."



15

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

Connecting Your Android Device to CNS is completed.

6

Connecting Your Device to CNS by EAP-PEAP Authentication

What is EAP-PEAP Authentication?

EAP-PEAP authentication is one of the EAP authentication protocols, which certifies using PEAP (Protected EAP). Like the EAP-TLS authentication, which authenticates the client with the client side certificate, EAP-PEAP authentication will send credentials (e.g. ID and password) by encrypted communication path with TLS. A certificate is needed on both the client side and the authentication server when you are using EAP-TLS authentication.

However, EAP-PEAP authentication will certify mutually between the server and the client; the authentication

server uses server side certificates to authenticate the server, and the client side will store the credentials. Compared to EAP-TLS authentication, EAP-PEAP authentication is less secure, however since the client does not need the certificate, devices that do not support EAP-TLS authentication method can easily use the encrypted communication. When you are going to connect to CNS Wi-Fi from devices that are not compatible with EAP-TLS authentication method, please use EAP-PEAP authentication.

Connecting to CNS by EAP-PEAP Authentication

01

Open a web browser and go to the 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."

02

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

Start Up 1

Wireless LAN 2

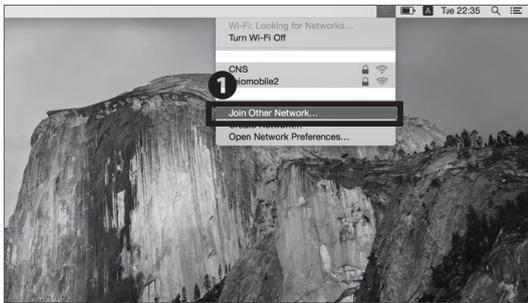
CNS Mail 3

CNS Printers 4



03

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



04

In this section, we are going to explain how to connect using a Mac OS X. 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

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



05

Network name	CNS3
Security	WPA/WPA2 Enterprise
Mode	Automatic
Username	your CNS login name
Password	SFC-CNS WiFi Password

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

3

CNS Mail

Explaining How To Use CNS Mail Account From Each Device.

Using Your CNS Mail Accounts	42
Checking Your CNS Mailbox from On-Campus Computers	43
Using Your CNS Mail from On-Campus Mac (Mac)	43
Using Your CNS Mail from On-Campus PC (Windows)	43
Configuring Your CNS Mail Client on Your PC (Windows 10)	44
Configuring Your CNS Mail Client on Your Mac (Mac OS X)	48
Configuring Your CNS Mail Client on Your iOS Device	52
Configuring Your CNS Mail Client on Your Android Device	57
Various Settings in CNS Mail	62
Setting Up Mail Forwarding	62
Configuring Spam Filter	63

1

Using Your CNS Mail Accounts

Technical Specification of CNS Mail Servers

IMAP4

Receiving Server	Port	Authentication Methods	Password
imap.sfc.keio.ac.jp	993	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)	SMTP Authentication	IMAP/SMTP-AUTH Password
	587(SubmissionPort)		

01 What is IMAP?

IMAP stands for Internet Message Access Protocol. 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 available even when you are not connected to the internet.

02 Warning

If the amount of data in your CNS home directory exceeds 80GB, you will be unable to use your CNS email account. Please refrain from sending emails with large attachments. Such emails can create unnecessary burdens 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 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

04 Use SFC-CNS web Mail

By using the SFC-CNS Web Mail system, you can access your CNS email account in a web browser without needing 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 Macs is Thunderbird. Once logged into on-campus computer with your CNS account, simply click **1** "Thunderbird" in your dock to open the software.

Using Your CNS Mail from On-Campus Windows



01

The mail client for on-campus Windows PCs is Thunderbird. Once logged into on-campus computer with your CNS account, simply click **1** "Thunderbird" on your desktop to open the software.

Start Up 1

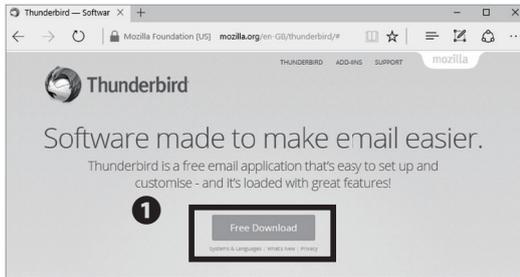
Wireless LAN 2

CNS Mail 3

CNS Printers 4

3

Configuring a CNS Mail Client on Your PC (Windows 10)

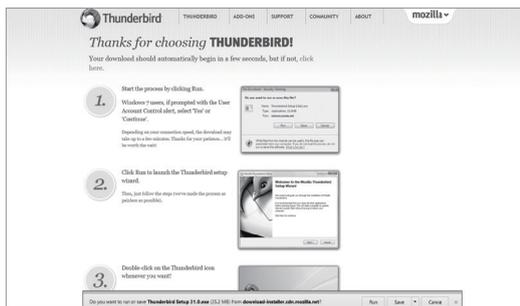


01

Open a web browser and go to the URL:

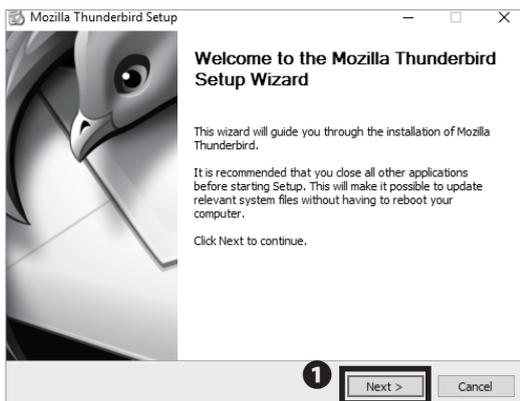
⇒ <https://www.mozilla.org/en-US/thunderbird/>

Click **1** "Free Download."



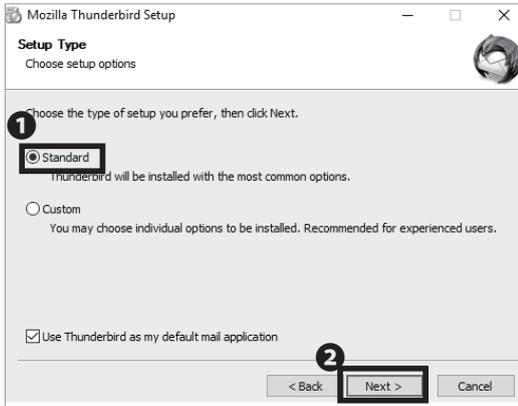
02

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



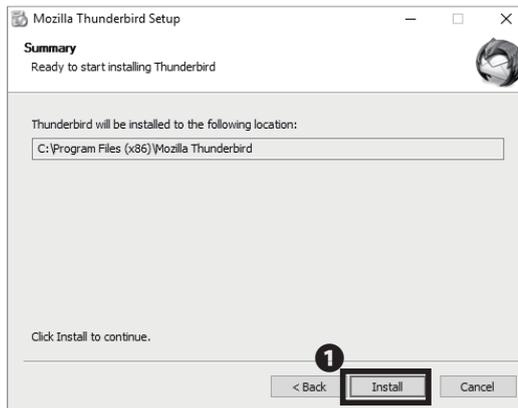
03

Click **1** "Next >."



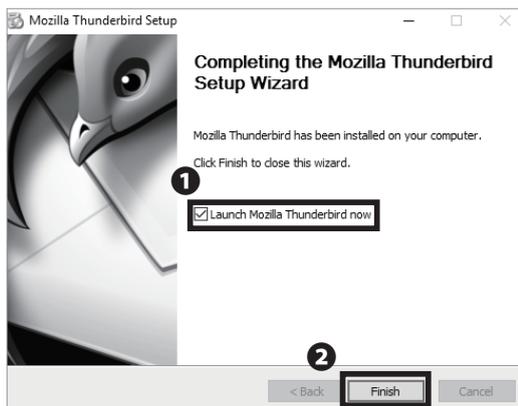
04

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



05

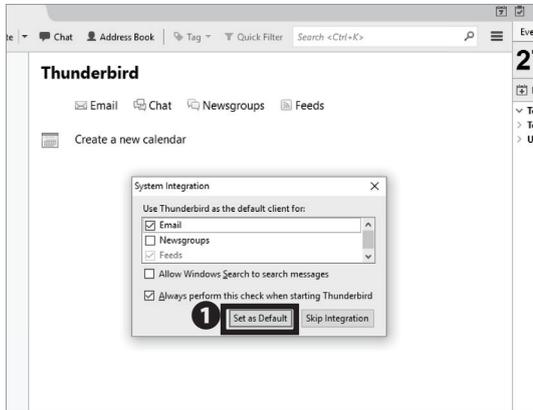
Click 1 "Install."



06

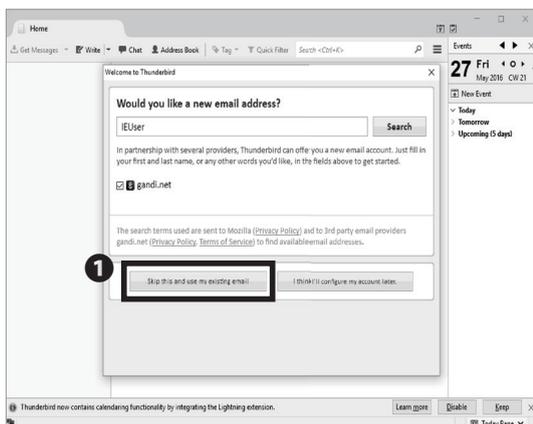
Installation of Thunderbird is now finished. Move on to setup your CNS mail account. Check 1 "Launch Mozilla Thunderbird now" and click 2 "Finish."

1
Start Up2
Wireless LAN3
CNS Mail4
CNS Printers



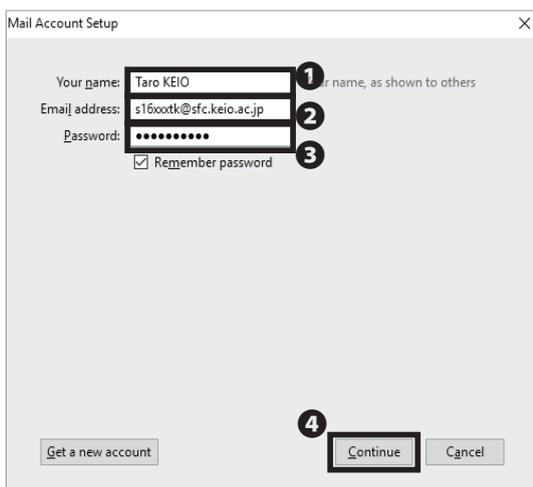
07

Click ① "Set as Default."



08

When Thunderbird is launched for the first time, a wizard shown on the left side will appear. Click ① "Skip this and use my existing email", then configure your CNS mail account.

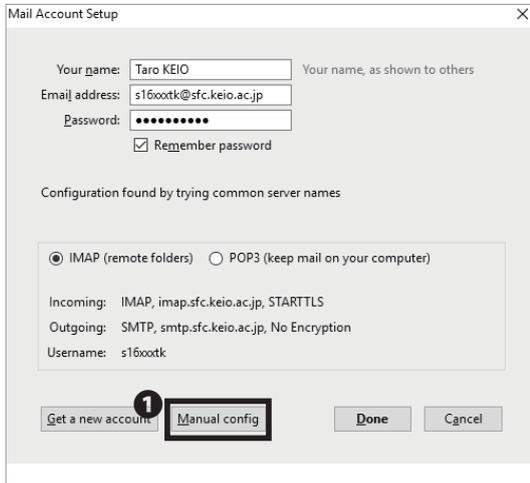


09

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."

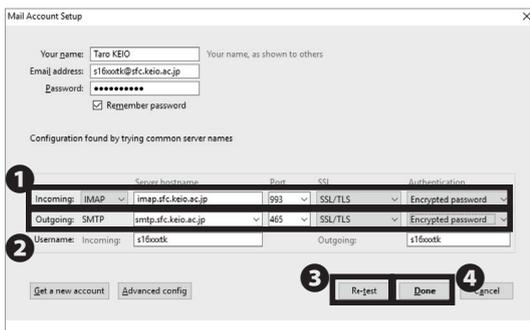
You can make/change your CNS IMAP password at the following URL:

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



10

Thunderbird will attempt to complete setup automatically using the Mozilla database. Wait until the server location is confirmed, then click ❶ "Manual config."



11

Type and select mail server information shown below in the window.

❶ Incoming Server (IMAP)

Server hostname	imap.sfc.keio.ac.jp
Port	993
Protocol	SSL/TLS
Authentication	Encrypted password

❷ Outgoing Server (SMTP)

Server hostname	smtp.sfc.keio.ac.jp
Port	465
Protocol	SSL/TLS
Authentication	Encrypted password

Once the settings are entered correctly, click ❸ "Re-test." When Thunderbird confirms the mail server information, click ❹ "Done."

Configuring Your CNS Mail Client on Your PC (Windows 10) is complete.

Start Up 1

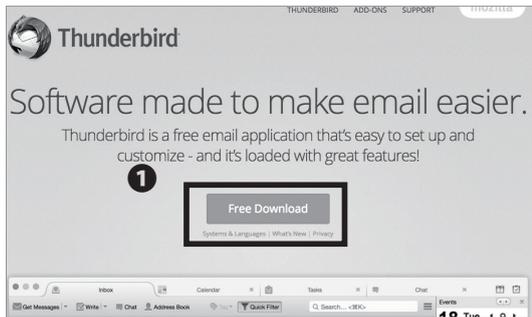
Wireless LAN 2

CNS Mail 3

CNS Printers 4

4

Configuring Your CNS Mail Client On Your Mac (Mac OS X)

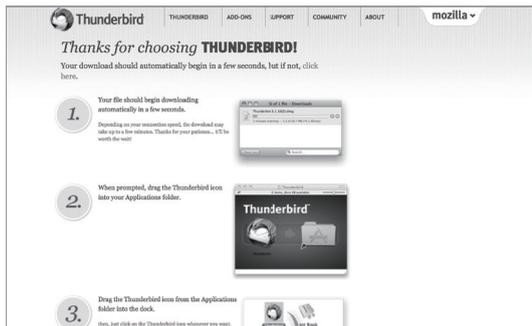


01

Open a web browser and go to the URL:

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

Click **1** "Free Download."



02

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



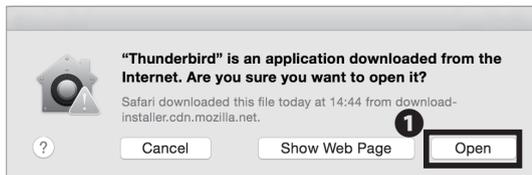
03

Drag and drop the **1** "Thunderbird" icon to **2** the Application folder.



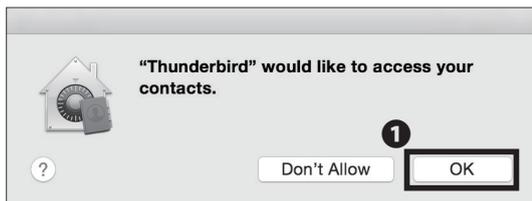
04

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



05

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



06

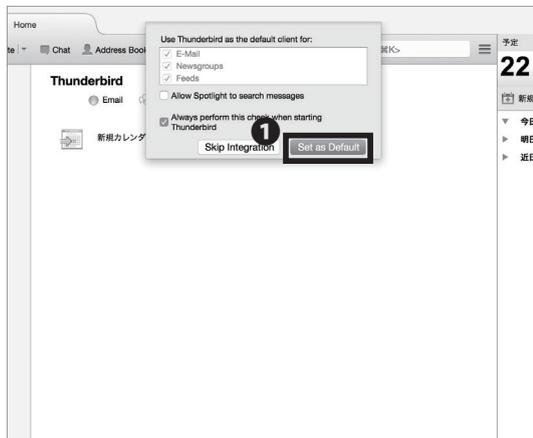
Click **1** "OK."

Start Up 1

Wireless LAN 2

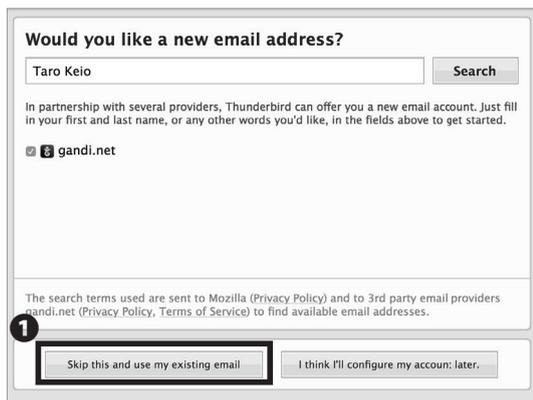
CNS Mail 3

CNS Printers 4



07

Click ① "Set as Default."



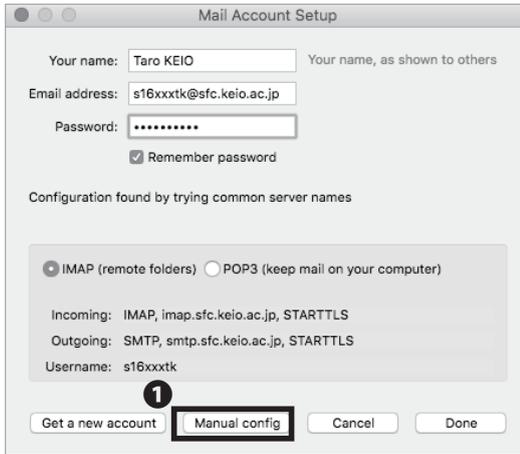
08

When Thunderbird is launched for the first time, a wizard will appear. Click ① "Skip this and use my existing email", then move to next step to configure your CNS mail account.



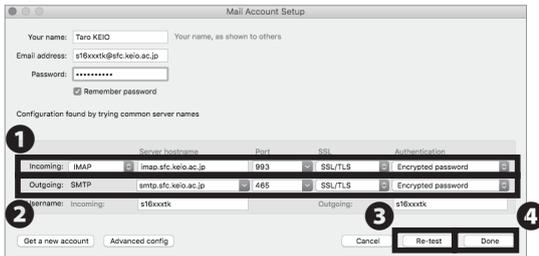
09

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."



10

Thunderbird will attempt to setup automatically with the Mozilla database. Wait a moment until the server location is confirmed. Next, click **1** "Manual config."



11

Type and select mail server information shown below in the window.

1 Incoming Server (IMAP)

Server hostname	imap.sfc.keio.ac.jp
Port	993
Protocol	SSL/TLS
Authentication	Encrypted password

2 Outgoing Server (SMTP)

Server hostname	smtp.sfc.keio.ac.jp
Port	465
Protocol	SSL/TLS
Authentication	Encrypted password

Once the settings are entered correctly, click **3** "Re-test." When Thunderbird confirms the mail server information, click **4** "Done."

Configuring Your CNS Client Mail on Your Mac (Mac OS X) is completed.

Start Up 1

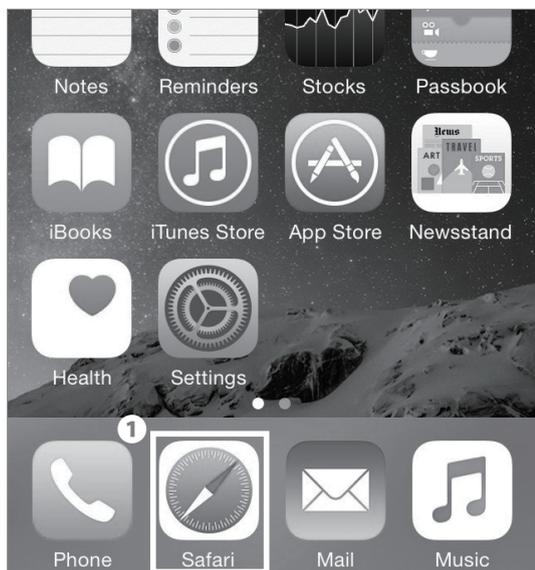
Wireless LAN 2

CNS Mail 3

CNS Printers 4

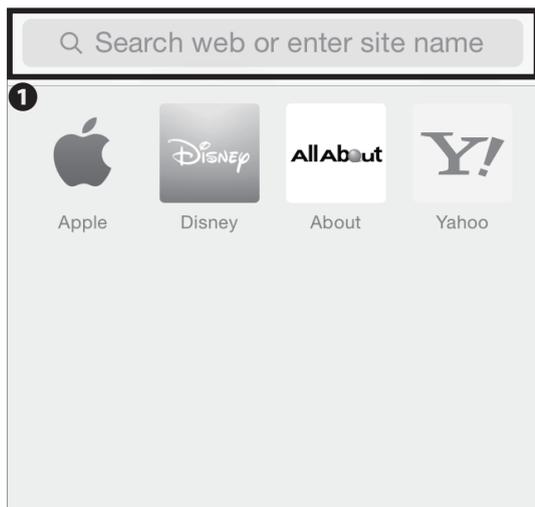
5

Configuring Your CNS Mail Client on Your iOS Device



01

On your home screen, tap **1** "Safari."



02

Type the URL in **1** and go to the registration page:

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

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

CNS login name **1** s16xxxk

CNS login password **2**

3 start registration

03

Type your CNS login name in **1** "CNS login name" and your CNS login password in **2** "CNS login password." Then, tap **3** "start registration."

Start Up 1

Wireless LAN 2

CNS Mail 3

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 using the personal certificate, select "Issue" in **1** and tap **2** "go".

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. If not valid, select "Reissue" in **1** and tap **2** "go." If you select "Reissue," your previous certificate will be invalidated.

CNS Printers 4

CNS Personal certificate / 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 **1**

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

3 Issue the personal certificate

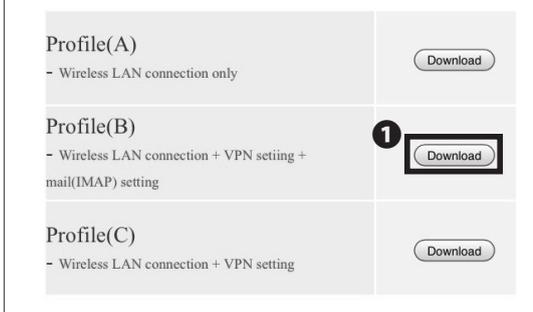
[Cancel the registration](#) | [SFC-ITC web site](#) | [SFC official web site](#) | Keio university SFC-ITC

05

Make a new passphrase for your personal certificate.

This password is necessary to protect your personal certificate from unauthorized use. It must contain at least 8 characters. Enter your passphrase to **1** • **2**, and tap **3** "Issue the personal certificate." This passphrase will be used in STEP 11.

■ **Download of the SFC-CNS setting profile for iPhone**



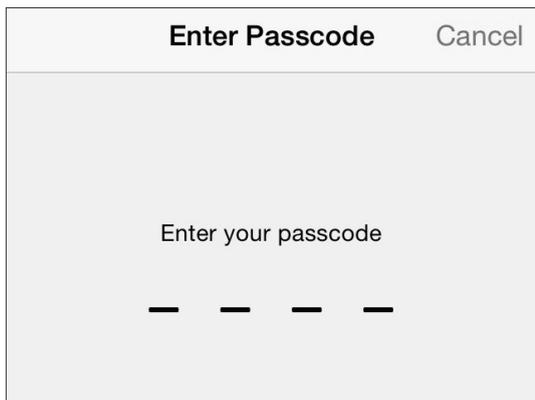
06

Tap ❶ "Download" in Profile(B).



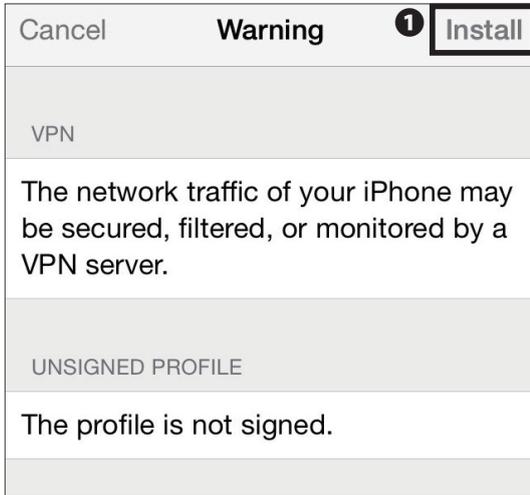
07

Tap ❶ "Install."



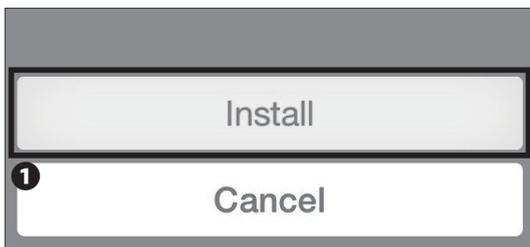
08

Type your iOS passcode.



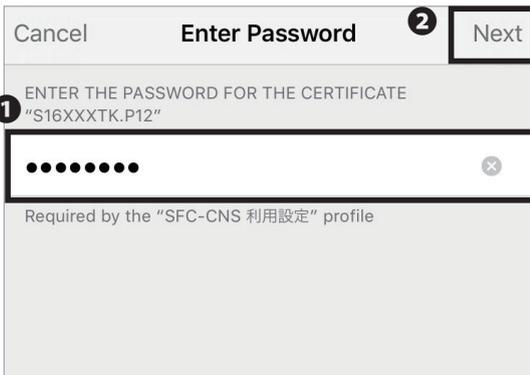
09

Tap ① "Install."



10

Tap ① "Install."



11

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



12

Type your CNS login password in ① and tap ② "Next."

1
Start Up

2
Wireless LAN

3
CNS Mail

4
CNS Printers



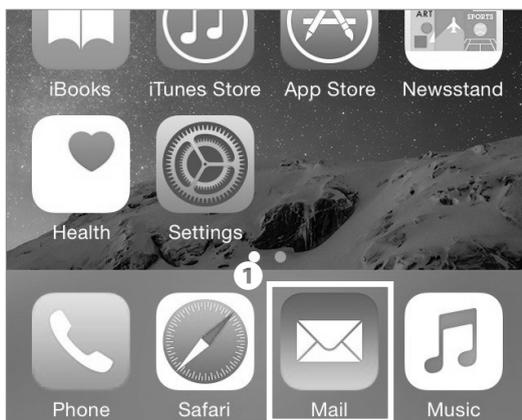
13

Type your IMAP/SMTP-AUTH password in ❶ and tap ❷ "Next."



14

Tap ❶ "Done."



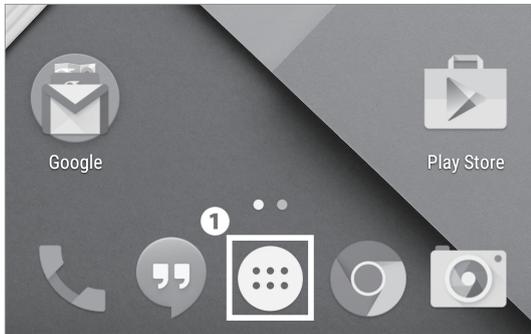
15

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

Configuring Your CNS Mail Client on Your iOS Device is completed.

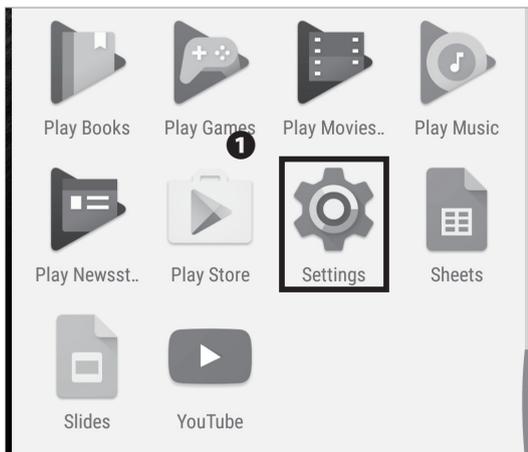
6

Configuring Your CNS Mail Client on Your Android Device



01

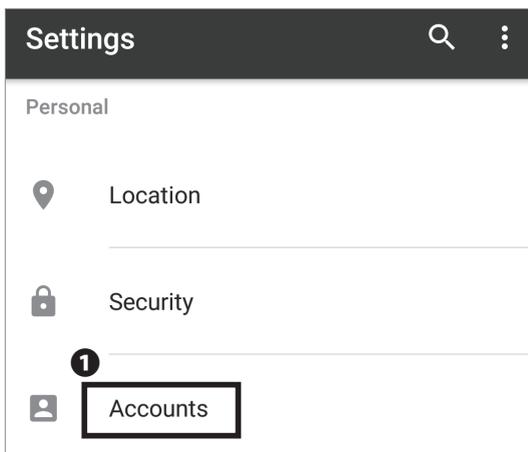
On your home screen, tap **1** icon to open the list of apps.



02

Tap **1** "Settings"

If the version of Android you are using is 4.x.x, select the mail application built in the model. Settings for the following steps may be different between models, but the settings for the incoming mail server and the outgoing mail server are the same for all models.



03

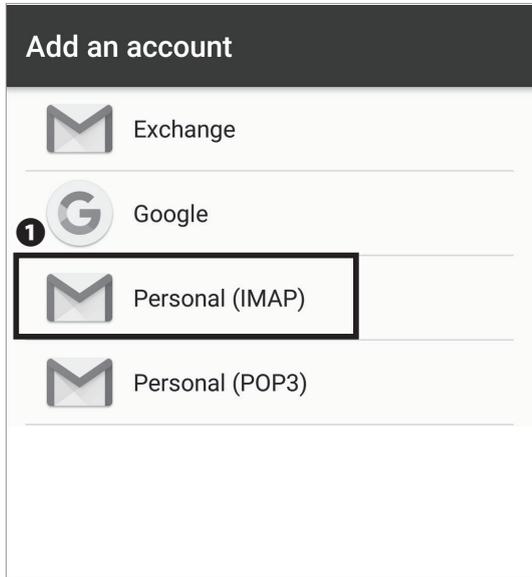
Tap **1** "Accounts."

Start Up 1

Wireless LAN 2

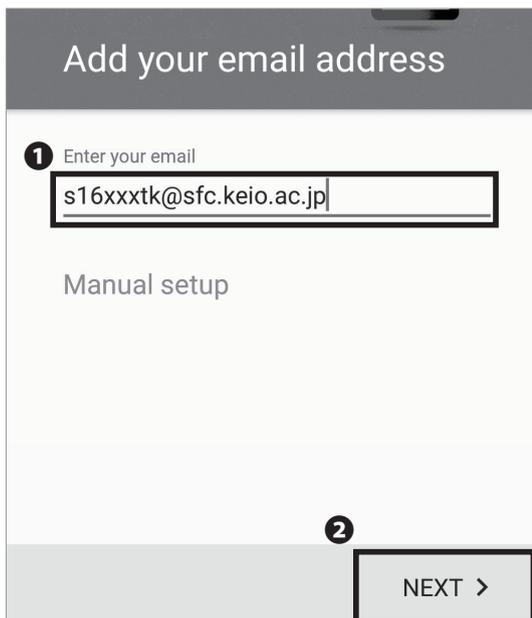
CNS Mail 3

CNS Printers 4



04

Tap **1** "Personal (IMAP)."



05

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

s16xxtk@sfc.keio.ac.jp

1 Password

.....

Show password

2

< NEXT >

06

Type your IMAP/SMTP-AUTH password in ❶ and tap ❷ "NEXT >."

Start Up 1

Wireless LAN 2

Incoming server settings

USERNAME
s16xxtk

AUTHENTICATION
Password X

Show password

SERVER
imap.sfc.keio.ac.jp

PORT
993

SECURITY TYPE
SSL/TLS

1

< NEXT >

07

Enter the following settings:

Username	your CNS login name
Password	your IMAP/SMTP-AUTH password
Server	imap.sfc.keio.ac.jp
Port	993
Security type	SSL/TLS

Once typed correctly, tap ❶ "NEXT >."

CNS Mail 3

CNS Printers 4

Outgoing server settings

SMTP SERVER
smtp.sfc.keio.ac.jp

PORT
465

SECURITY TYPE
SSL/TLS

1 Require signin

USERNAME
s16xxtk

AUTHENTICATION
Password **2** X

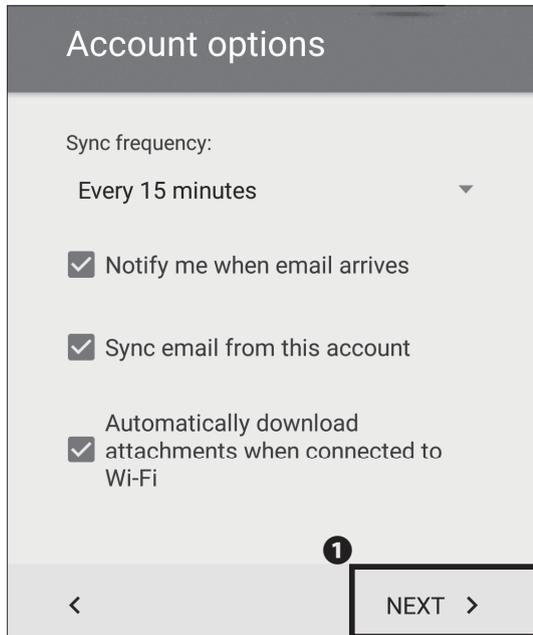
NEXT >

08

Also, type the information below accordingly.

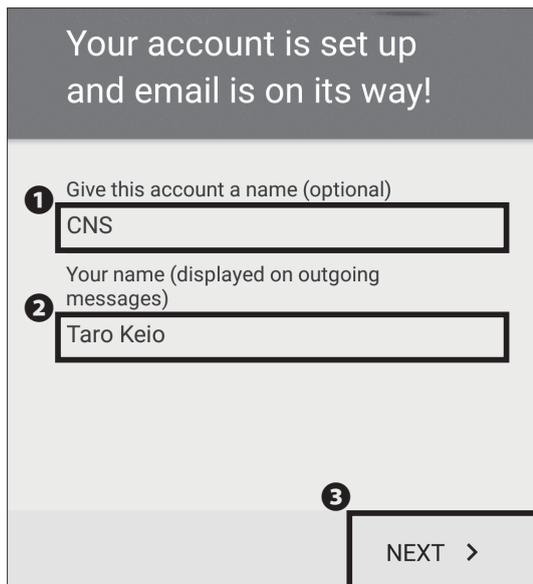
SMTP server	smtp.sfc.keio.ac.jp
Port	465
Security type	SSL/TLS
Username	your CNS login name
Password	your IMAP/SMTP-AUTH password

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



09

You can modify your account options if you desire. Once you are done with the option settings, tap **1** "NEXT >."



10

Type "CNS" (or any name so that you can distinguish between other CNS 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 Client 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 may set up the following options.

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

Setting Up Mail Forwarding

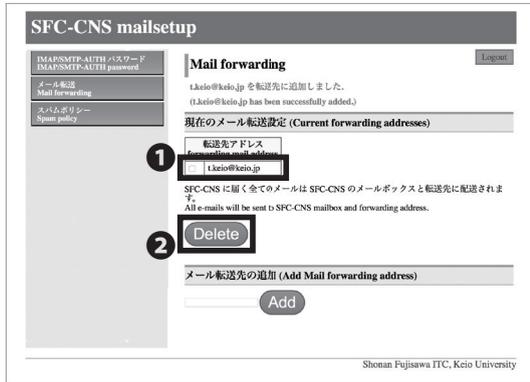
01

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

02

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

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



03

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

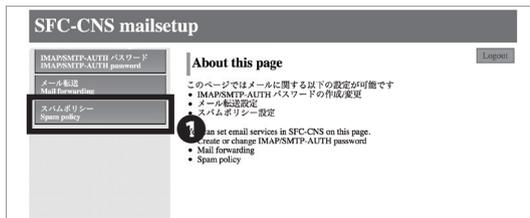
If you want to delete mail forwarding, check the email address that you want to delete in ❶ "forwarding mail address" and click ❷ "Delete."

If your destination email address changes, delete your previous mail forwarding and add your new email address according to STEP01 ~ 02.

Start Up 1

Wireless LAN 2

Configuring Spam Filter



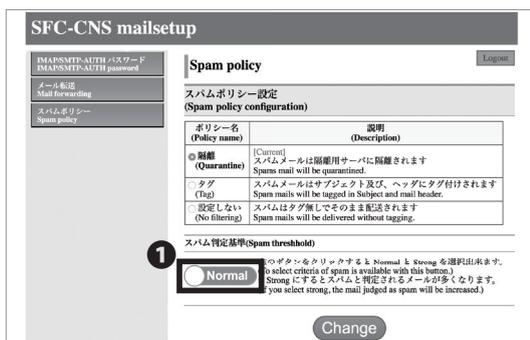
01

From the "mailsetup" menu, click ❶ "Spam policy."



02

Select which policy to apply and click ❶ "Change." On spam policy configuration, there are three options: "Quarantine," "Tag," and "No filtering." In "Quarantine" mode, emails that are judged as spam will be saved on each server that you are using. In "Tag" mode, such emails would be tagged as spam in the subject and header. The default setting is "Tag".



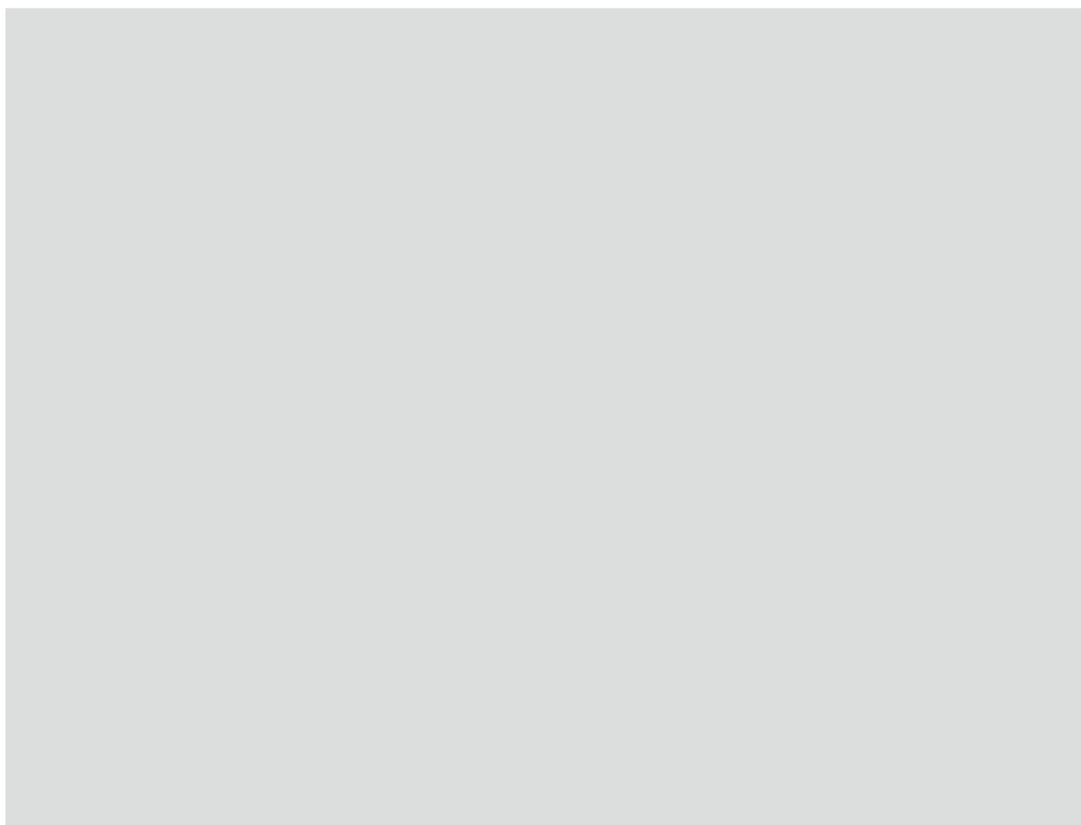
03

Make sure your selected policy is highlighted with bold and tagged "[Current]."

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

CNS Mail 3

CNS Printers 4



4

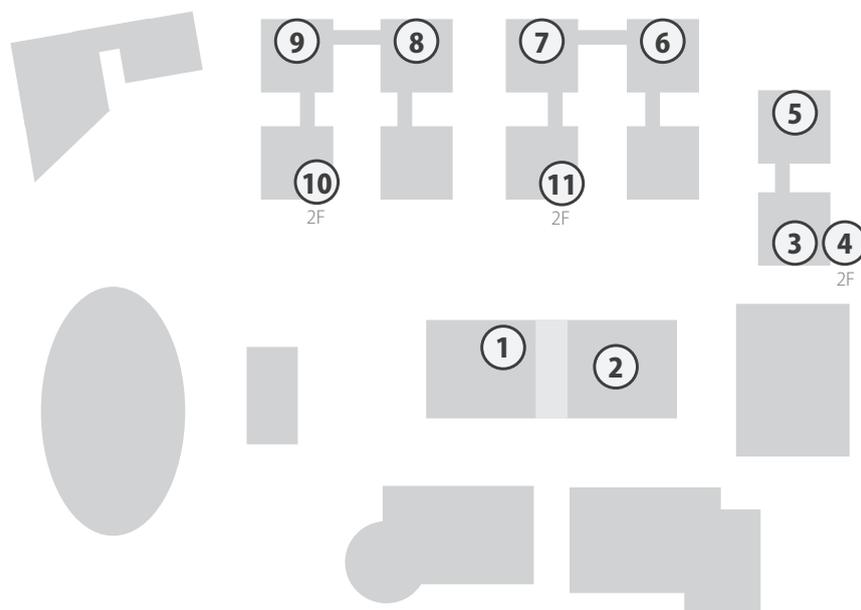
CNS Printers

Explaining how to use CNS Printers on SFC.

Using Printers on SFC	66
Location of the Printers	66
Printing Charge (Points)	67
Operation of the Printers	67
Printing from On-Campus Computers	69
Printing from On-Campus Macs	69
Printing from On-Campus Windows	70
Printing from Your PC (Windows 10)	71
Printing from Your Mac (Mac OS X)	76

1

Using Printers on SFC

Location of the Printers

Map number	Location of the CNS Printers
①	Media Center Open Area
②	Media Center ITC Entrance
③	λ 11 PC Room
④	λ 21 PC Room
⑤	λ 18 PC Room
⑥	ο 17 PC Room
⑦	ι 18 PC Room
⑧	ε 17 PC Room
⑨	κ 18 PC Room
⑩	κ building 2nd Floor
⑪	ι building 2nd Floor
-	Faculty of Nursing and Medical Care Room 205
-	Library of Nursing and Medical Care
-	Faculty of Nursing and Medical Care CO-OP

Printing Charges (Points)

Type	Printing Charges	
	One Sided	Two Sided
Black and White	A4-Sized ¥ 5 / paper	A4-Sized ¥ 10 / paper
	A3-Sized ¥ 5 / paper	A3-Sized ¥ 10 / paper
Color	A4-Sized ¥ 15 / paper	A4-Sized ¥ 30 / paper
	A3-Sized ¥ 15 / paper	A3-Sized ¥ 30 / paper

Your printing account is refilled with 2,500 yen each year. If you exceed that initial balance, you must insert your PASMO, Suica, or any other public transportation payment card at a printer to pay for any excess usage.

Be careful to select the printer type; for example, when printing a black-and-white document with the color printer setting, you will be charged the price for color printing.

To prevent paper jams and other malfunctions, you are prohibited to bring your own paper.

The job will be suspended if the charge exceeds ¥2500 while printing. In this case, please resend the job from the beginning.

Operation of CNS Printers



01

This is the description of using the printer after you send printing job(s) from the PC.

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

02

Type your CNS login name and tap **1** "Confirm."

Start Up 1

Wireless LAN 2

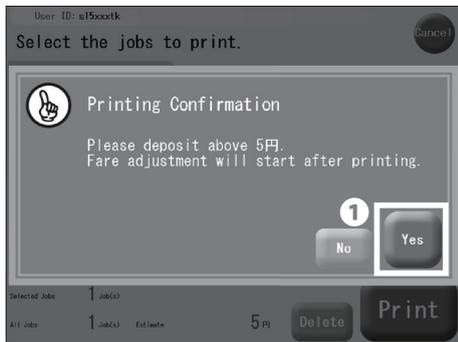
CNS Mail 3

CNS Printers 4



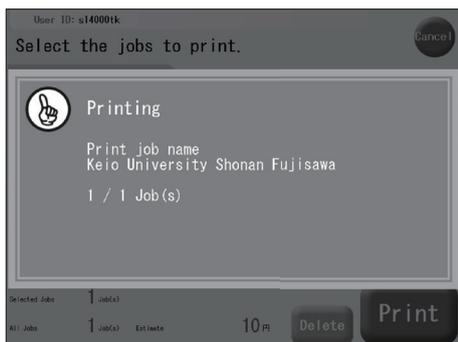
03

Tap the job(s) you want to print and tap ❶ "Print." There will be no charge up to ¥2500 per year.



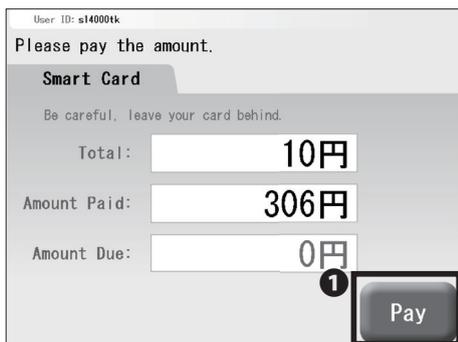
04

If you have exceeded your printing account balance, insert your PASMO or Suica into the card reader next to the printer, and tap ❶ "Yes."



05

The screen on the left will be shown while printing.



06

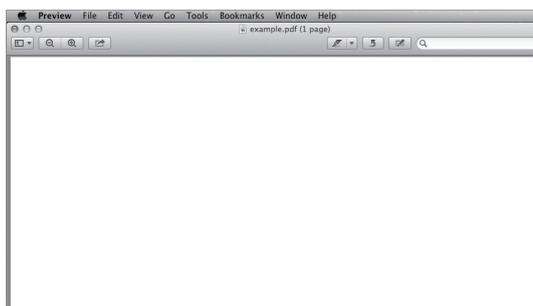
If you are paying with PASMO or Suica, the payment window shown on the left side will appear. Confirm the amount and tap ❶ "Pay."

Please do not forget to take your IC card when finished.

2

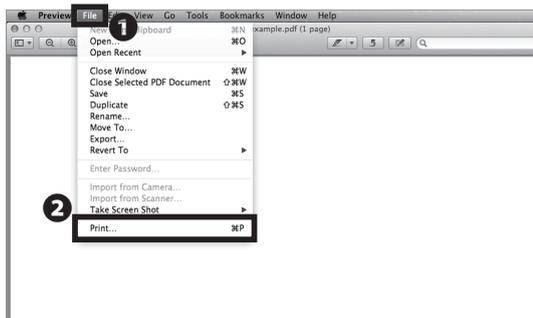
Printing from On-Campus Computers

Printing from On-Campus Macs



01

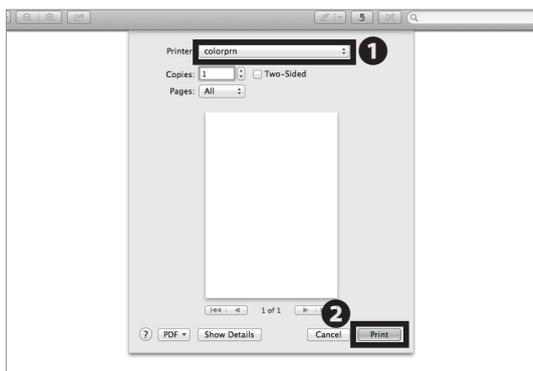
No specific configuration is necessary when you are printing your document(s) from on-campus computers. In this section, the steps to print a PDF file are explained.



02

Click **2** "Print..." from the menu **1** "File."

Alternatively, you could also hit the Command key and the P key for 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.

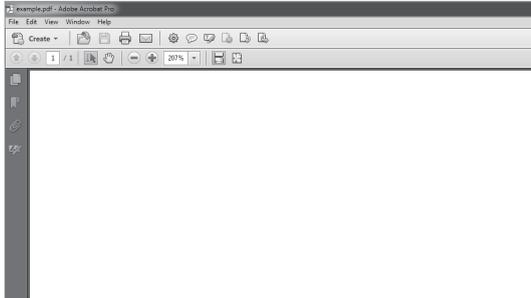
Start Up 1

Wireless LAN 2

CNS Mail 3

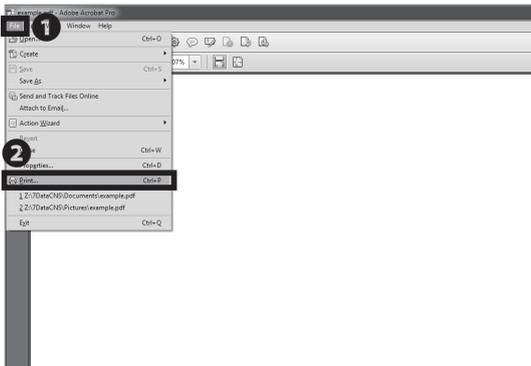
CNS Printers 4

Printing from On-Campus Windows



01

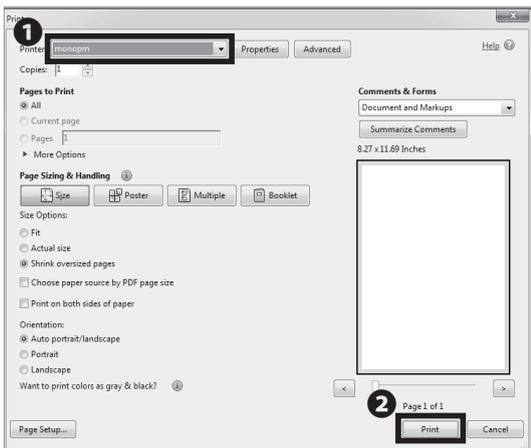
No specific configuration is necessary when you are printing your document(s) from on-campus computers. In this section, the steps to print a PDF file are explained.



02

Click **2** "印刷" (Print) from the menu **1** "ファイル" (File).

Alternatively you could also hit the Ctrl(Control) key and the P key for 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 10)

01

By using the IPP (Internet Printing Protocol), you can send printing jobs to CNS printers from your PC. First, open a web browser and go to the URL:

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

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

02

Click ❶ "IPP Password."

03

Click ❶ "Confirm."

Remember the password you will see in the next page. This password will be used in STEP 15.

04

Open a web browser and go to the URL:

⇒ http://www.sfc.itc.keio.ac.jp/en/top_sfc.html

Click ❷ "Printer Information" from the menu ❶ "Computer."

Start Up 1

Wireless LAN 2

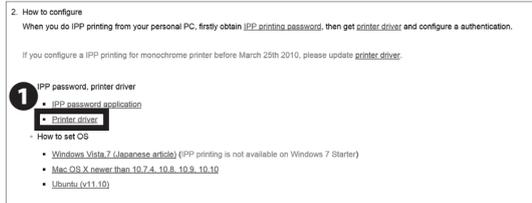
CNS Mail 3

CNS Printers 4



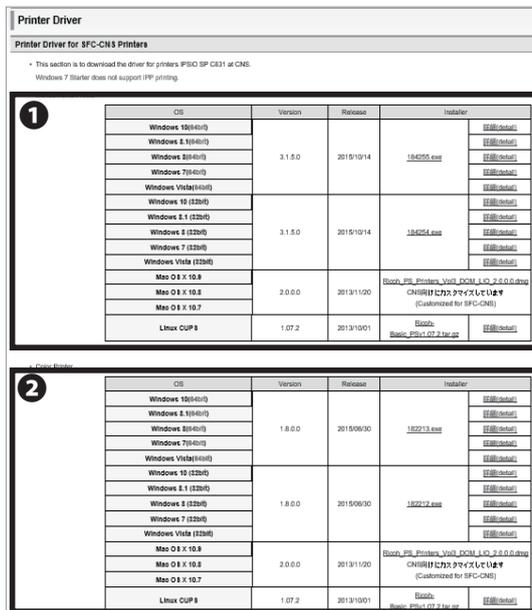
05

Click ① "Printing procedure."



06

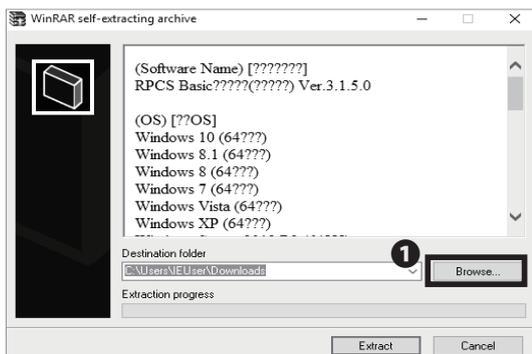
Scroll down to the middle part of the page and click ① "Printer driver."



07

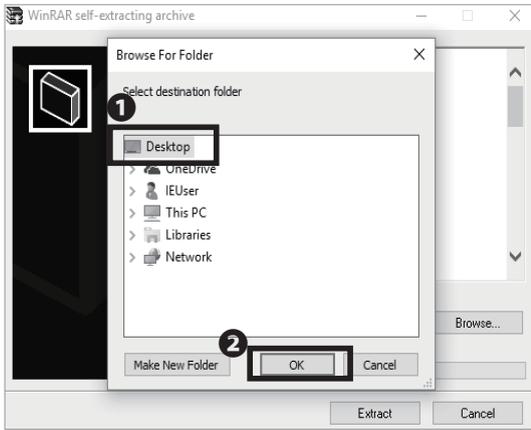
Choose and click the appropriate driver for your operating system and the printer you would like to use. For black-and-white documents, choose ① "Monochrome Printer." For color documents, choose from ② "Color Printer." Soon your download will begin.

The next procedure will be for the black-and-white printer (monoprn), but if you would like to use the color printer (colorprn) as well, set the monoprn printer first, then follow STEP07~22 again this time choosing ② "Color Printer."



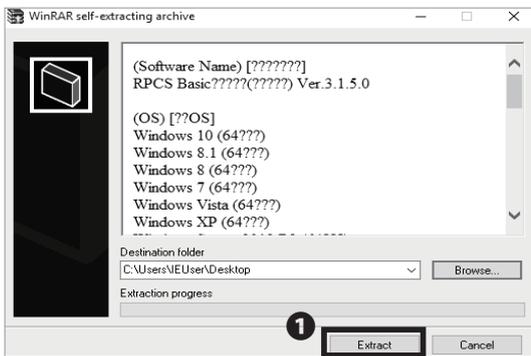
08

Open the installer you just downloaded. The window shown on the left will appear. Then, click ① "Browse..."



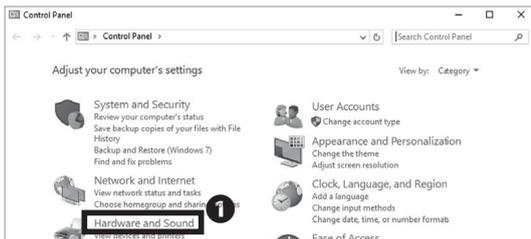
09

Select 1 "Desktop" and click 2 "OK."



10

Click 1 "Extract."



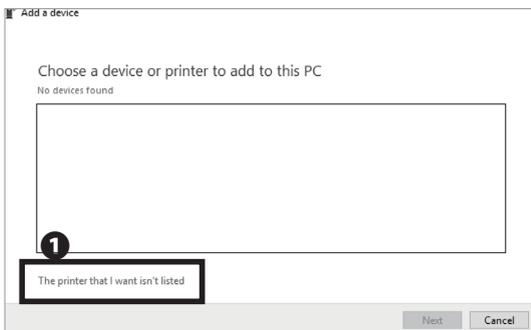
11

After installation, open "Control Panel" from "All Apps." Then, click 1 "Hardware and Sound."



12

Click 1 "Devices and Printers."



13

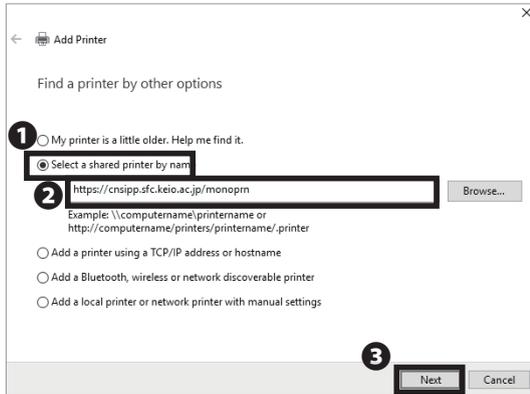
Click 1 "The printer that I want isn't listed."

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4



14

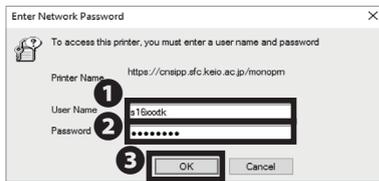
Confirm 1 "Select a shared printer by name" is selected and type one of the printer address below in 2. Then, click 3 "Next."

Black and White Printer (Monochrome):

⇒ <https://cnsipp.sfc.keio.ac.jp/monoprn>

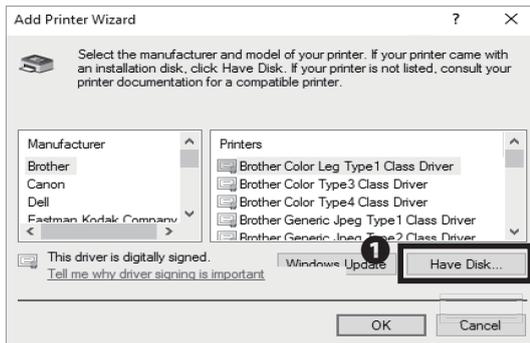
Color Printer:

⇒ <https://cnsipp.sfc.keio.ac.jp/colorprn>



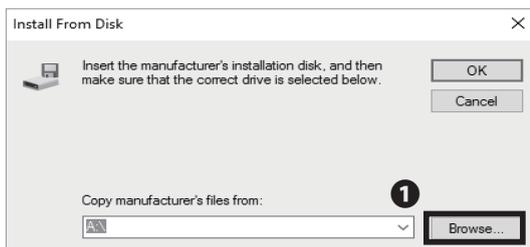
15

Type your CNS login name in 1 "User Name" and your CNS IPP password from STEP 03 in 2 "Password." Then, click 3 "OK."



16

After the connection is established, "Add Printer Wizard" will appear. Click 1 "Have Disk..."



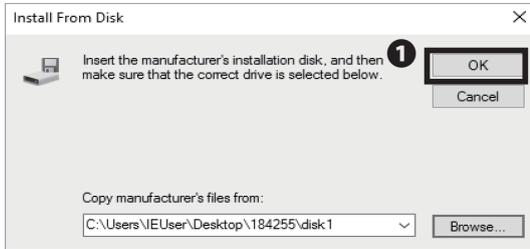
17

Click 1 "Browse..."



18

Open "disk1" from the folder in which you extracted printer drivers during installation in STEP 10. Select a 1 file in that folder and click 2 "Open."



19

Click 1 "OK."

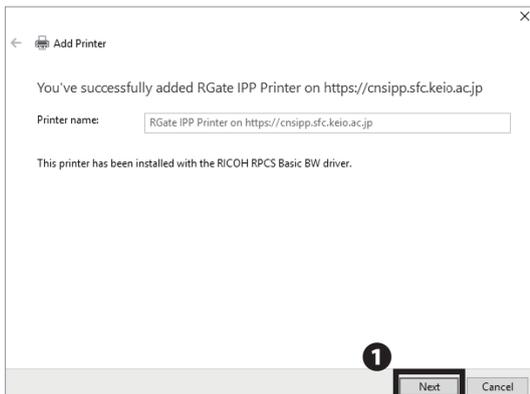


20

If you chose "Monochrome Printer", select 1 "RICOH RPCS Basic BW."

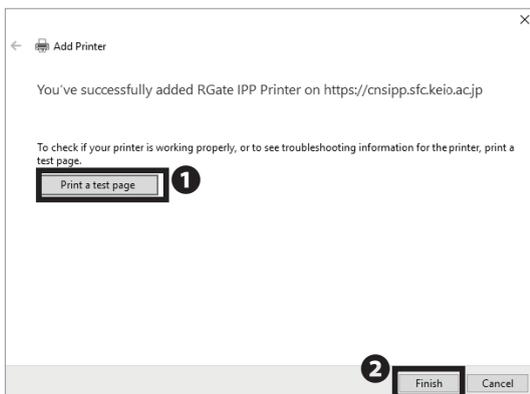
If you chose "Color Printer", select "RICOH IPSiO SP C831 RPCS" which will be displayed on the same place.

Then, click 2 "OK" to proceed.



21

Click 1 "Next."



22

Click 1 "Print a test page." Check that the job has transferred correctly to the terminal next to a printer. Confirm that your test page has printed correctly. Then, click 2 "Finish."

Printing from Your PC (Windows 10) is completed.

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

4

Printing from Your Mac (Mac OS X)

01

By using the IPP (Internet Printing Protocol), you can send printing jobs to the CNS printers from your Mac. First, open a web browser and go to the URL:
⇒ <https://itcsecure.sfc.keio.ac.jp/form/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."

02

Click **1** "IPP Password."

03

Click **1** "Confirm."

Remember the password you will see in the next page. This password will be used in STEP 34.



04

In order to install the printer drivers, the security settings of your Mac have to be modified. Click **1** "System Preferences" in your dock.



05

Click ① "Security & Privacy."



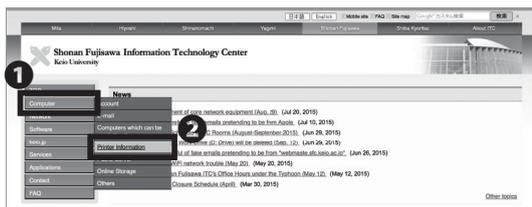
06

Click ① icon and type your Mac OS X account password. Then, check ② "Anywhere."



07

An alert shown on the left side will appear. Click ① "Allow From Anywhere."



08

Open a web browser and go to the URL:
⇒ http://www.sfc.its.keio.ac.jp/en/top_sfc.html

Click ② "Printer Information" from the menu ① "Computer."



09

Click ① "Printing procedure."

Start Up 1

Wireless LAN 2

CNS Mail 3

CNS Printers 4

2 How to configure
 When you do IPP printing from your personal PC, firstly obtain IPP printing password, then get printer driver, and configure a authentication.

If you configure a IPP printing for monochrome printer before March 25th 2010, please update printer driver.

- IPP password, printer driver
 - IPP password application
 - Printer driver **1**
- How to set OS
 - Windows Vista 7 (Japanese article) (IPP printing is not available on Windows 7 Starter)
 - Mac OS X newer than 10.7.4, 10.8, 10.9, 10.10
 - Ubuntu (v01.10)

10

Scroll down to the middle part of the page and click **1** "Printer driver."

Printer Driver

Printer Driver for SFC-CNS Printers

- This section is to download the driver for printers IP30 SP C831 at CNS.
 Windows 7 Starter does not support IPP printing.
- Monochrome Printer

OS	Version	Release	Installer	
Windows 8.1(64bit)	3.1.2.0	2014/01/17	172126.exe	詳細(detail)
Windows 8(64bit)				詳細(detail)
Windows 7(64bit)				詳細(detail)
Windows Vista(64bit)	3.1.2.0	2014/01/17	172126.exe	詳細(detail)
Windows 8.1(32bit)				詳細(detail)
Windows 8(32bit)				詳細(detail)
Windows 7(32bit)				詳細(detail)
Windows Vista(32bit)				詳細(detail)
Mac OS X 10.9	2.0.0.0	2013/11/20	Ricoh_PS_Printers_Voi3_DOM_LIO_2.0.0.0.dmg	1
Mac OS X 10.8				(Customized for SFC-CNS)
Mac OS X 10.7				
Linux CUPS	1.07.2	2013/10/01	Basic_Files_07-2.tar.gz	詳細(detail)

11

Click the **1** installer for Mac. Your download will begin.

12

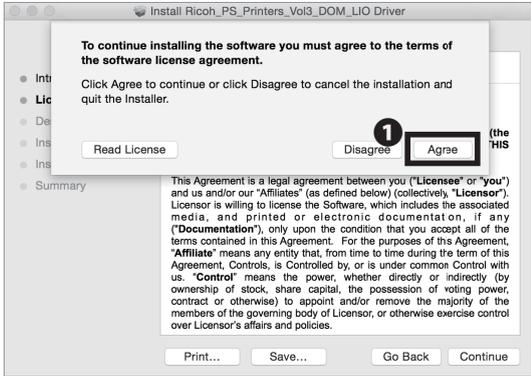
Open the file you just downloaded. Then, double click **1** to launch the installer.

13

Click **1** "Continue."

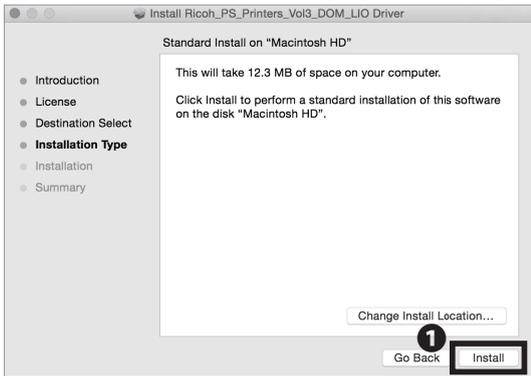
14

Click **1** "Continue."



15

Read the software license agreement carefully and click **1** "Agree" if you understood and agree. If you do not, you may not use this software.



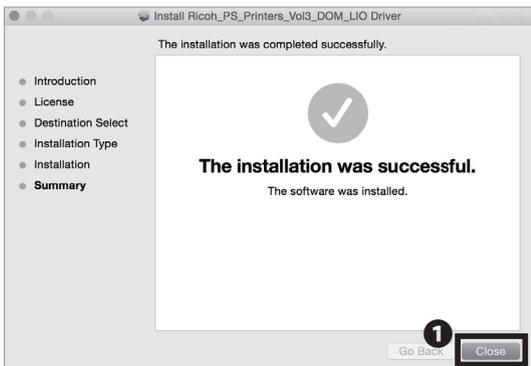
16

Click **1** "Install."



17

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



18

When the driver installation is finished, click **1** "Close."

Refer to STEP 05 ~ 07 and change the settings on Security & Privacy from "Anywhere" to "Mac App Store and identified developers."

Start Up 1

Wireless LAN 2

CNS Mail 3

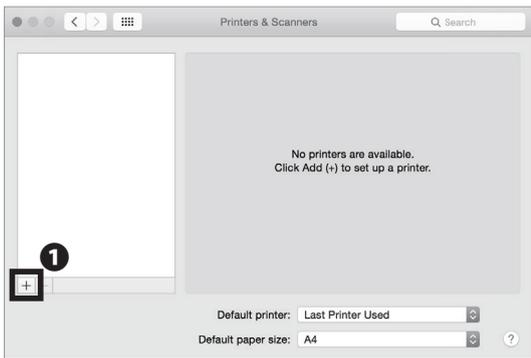
CNS Printers 4



19

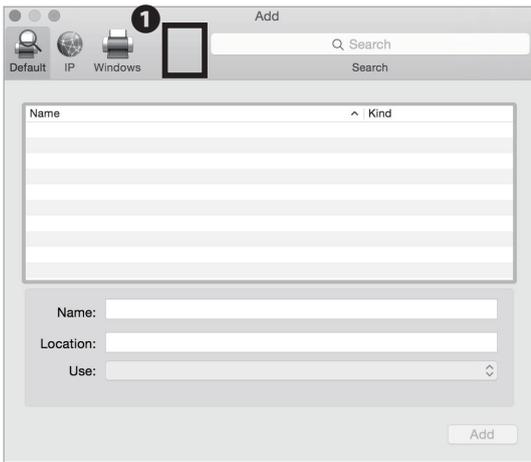
Open "System Preferences" and click ❶ "Printers & Scanners."

The next procedure will be for the black-and-white printer (monoprn), but if you would like to use the color printer (colorprn) as well, set the monoprn printer first, then follow STEP19~35 again; this time choosing "colorprn" instead of "monoprn."



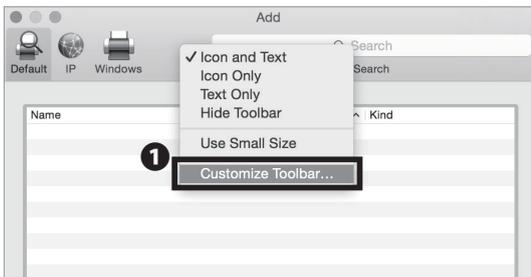
20

Click ❶ "+".



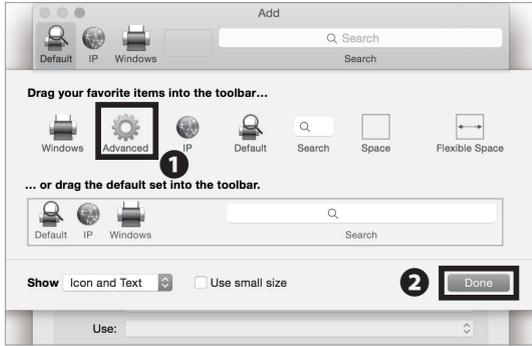
21

Hold the control key and click ❶ blank space at the top of the window.



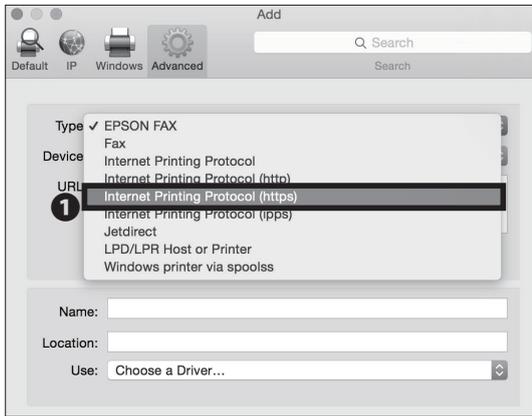
22

Click ❶ "Customize Toolbar..."



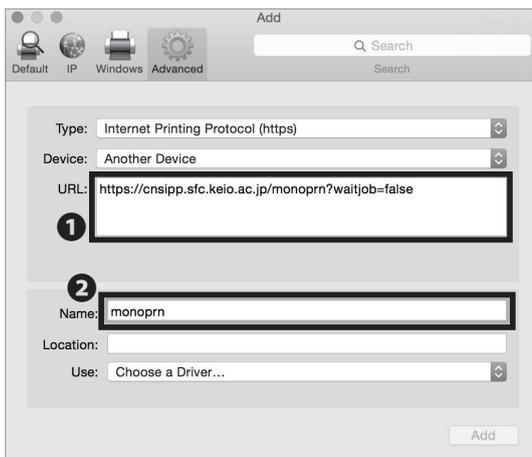
23

Drag and drop **1** "Advanced" icon onto the menu at the top of the window. Click **2** "Done" and "Advanced" icon you just added.



24

Select **1** "Internet Printing Protocol (https)" from "Type."



25

Type one of the printer address as below in **1** "URL."

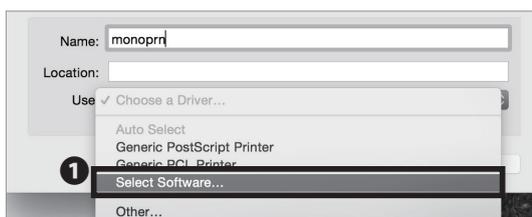
Black and White Printer (Monochrome):

⇒ <https://cnsipp.sfc.keio.ac.jp/monoprn?waitjob=false>

Color Printer:

⇒ <https://cnsipp.sfc.keio.ac.jp/colorprn?waitjob=false>

Type name in **2** "Name." If you are setting up for the black and white printer, type "monoprn." If you are setting up for the color printer, type "colorprn."



26

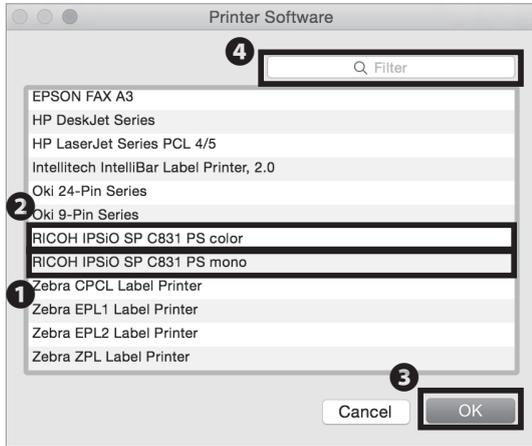
Select **1** "Select Software..." from "Use."

Start Up 1

Wireless LAN 2

CNS Mail 3

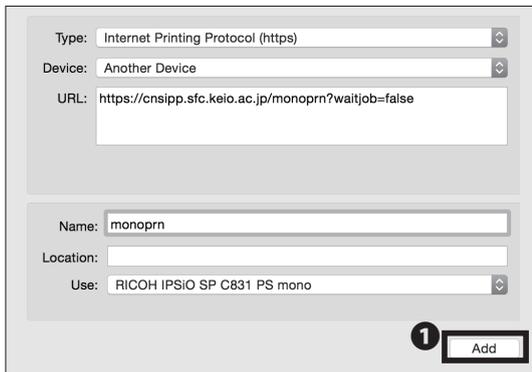
CNS Printers 4



27

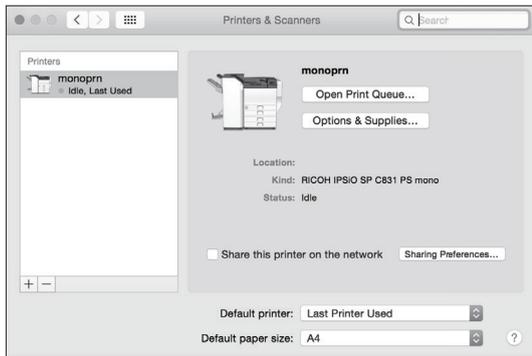
If you are setting up the black and white printer, select **1** "RICOH IPSiO SP C831 PS mono" from the list. If you are setting up for the color printer, select **2** "RICOH IPSiO SP C831 PS color." Then, click **3** "OK."

You can find the printer software easily by typing "RICOH" in **4** "Filter" column.



28

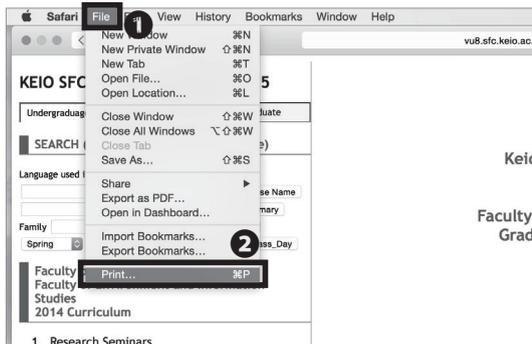
Click **1** "Add."



29

Printer setup is completed.

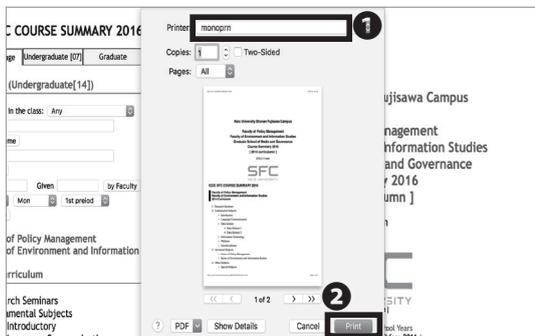
However, it is highly recommended that you automate the authentication process CNS printers require before printing. Follow the instructions below.



30

Print any kind of file or webpage (As an example, the SFC website is used.)

Click **2** "Print..." from the menu **1** "File."



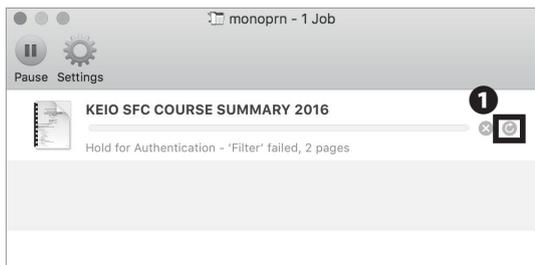
31

Printing setting will be displayed. Select "monoprn" for black-and-white documents, or "colorprn" for colored documents in ❶. Then, click ❷ "Print."



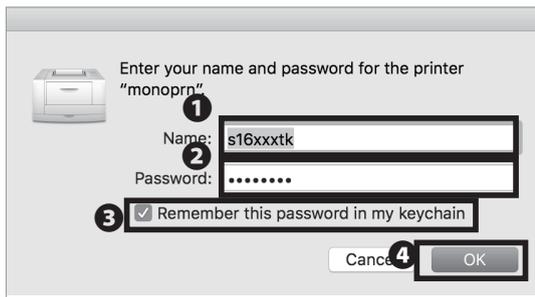
32

Click the bouncing icon in your dock ❶ "monoprn."



33

Click ❶ the refresh icon.



34

Type your CNS login name in ❶ "Name" and your CNS IPP password from STEP 03 in ❷ "Password." Check ❸ "Remember this password in my keychain" and click ❹ "OK."



35

Once the job is cleared from the window, the printing job is successfully sent to the printer.

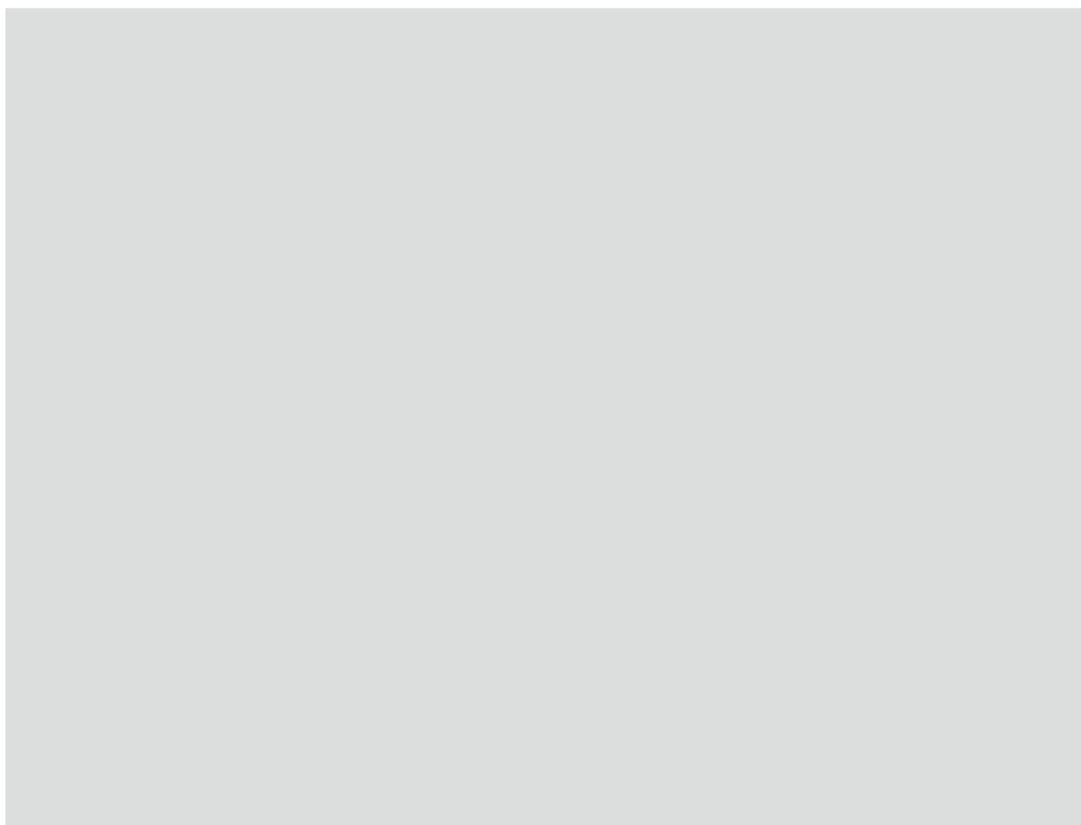
Printing from Your Mac (Mac OS X) is completed.

Start Up 1

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CNS Printers 4



5

Antivirus

Explaining How to Protect Your Computer from Virus.

Protecting Your Computers from Security Threats	86
Installing Antivirus Software on Your PC (Windows 10)	87
Installing Antivirus Software on Your Mac (Mac OS X)	91
How to Update Your Windows / Mac OS X System	98
Are Software Updates Important?	98
Updating Your Windows System (Windows 10)	98
Updating Your Mac System (Mac OS X)	100

1

Protecting Your Computers from Security Threats

01 **Damage Caused by Computer Virus**

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 happen without your knowledge.

- Theft of personal information
- E-mails including 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.98: How to Update your Windows / Mac OS X System】**) and install antivirus software to help detect and remove any viruses on your computer.

03 **Keio-provided Antivirus Software**

Keio University provides every student, faculty, and staff member with license to use "ESET Smart Security" for Windows or Mac OS X (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 so, you should uninstall any other antivirus software before proceeding.

2

Installing Antivirus Software
on Your PC (Windows 10)

keio.jp
Keio University CALAMVS GLADIO FORTIOR

2014年11月11日よりkeio.jpの変更点があります。詳細
keio.jp renewal on November 11, 2014 [Detail](#)

ログイン対象/Log in to :
keio.jpポータル / keio.jp Portal ?

1 ID:
t.keio@keio.jp

2 Password:
●●●●●●●●

: ワンタイムパスワードを利用する / Use One-Time Password

3 **Login**

[利用者ガイド \(User's Guide\)](#) [サポート \(Support Desk\)](#)
[ワンタイムパスワードについて \(About One-Time Password\)](#)

01

Open a browser and go to the URL:

⇒ <http://keio.jp/>

Type your keio.jp ID (or “[your CNS login name]@sfc.keio.ac.jp”) in ❶ “ID” and your keio.jp password (or “your CNS login password”) in ❷ “Password.” Then, click ❸ “Login.”



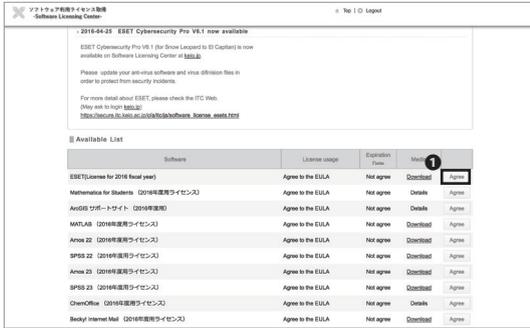
02

Click ❶ “English” on the top of the page.



03

Click ❷ “Software Licensing Center” from the menu ❶ “SERVICE.”



04

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

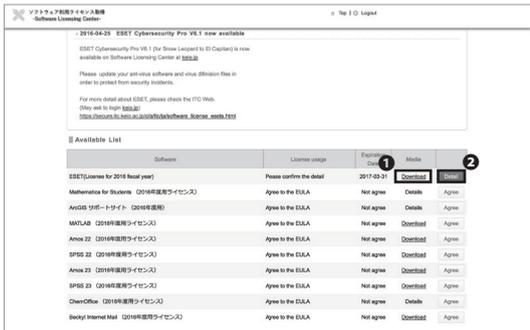
This action doesn't mean you have agreed to the EULA for ESET.



05

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

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



06

Go back to the license list. Hold the Ctrl key and click **1** "Download" to open and duplicate the tab. This window should look like Step 08.

Then Click **2** "Detail."



07

You can check your **1** User Name, **2** Password, and **3** License Key for ESET on this page.

You will use **3** License Key at STEP 14.

ESET products

インストールプログラム ダウンロードページ - Install Program Download Page -
ウィルス定義データベースはアップデートして常に最新のものを選択してください。

【個人利用向け】

※ESET(個人利用向け)はOS、日英版、32/64bitのすべての製品を通して一ライセンスの提供です。

総合セキュリティ対策製品 - Integrated Security Products -					
ソフトウェア名称 Product Name	OS	日本語版		English	
		32bit	64bit ①	32bit	64bit
ESET Smart Security V9	Windows	ダウンロード (Windows10 まで対応) (187MB)	ダウンロード (Up to Windows10) (100MB)	Download (Up to Windows10) (100MB)	Download (Up to Windows10) (104MB)
ESET Cybersecurity Pro V6.1	Mac	ダウンロード (Snow Leopard - El Capitan 対応) (129MB)	Download (Snow Leopard - El Capitan) (83-4MB)		
アンチウイルス製品 - Anti-Virus Products -					
ソフトウェア名称 Product Name	OS	日本語版		English	
		32bit	64bit	32bit	64bit

08

Choose an installer that runs on your Operation System.
Click ① "Download" to download the installer.

To check your Operating System refer to 【p.133 How to Check a PC's Operating System.】

eset SMART SECURITY 9

Install ESET Smart Security

All-in-One Internet Security

Enjoy using your computer as you work, play and connect - protected by ESET Smart Security. The solution combines antimalware protection with antispam, personal firewall and parental control.

9.0.381.0

A newer version of this product is available online and can be automatically downloaded and installed instead of included one.

① Install newer version

②

09

Open the file you just downloaded. Make sure that
① "Install newer version" is checked. Then click
② "Continue."

eset SMART SECURITY 9

End-User License Agreement

IMPORTANT: Please read the terms and conditions of product application set out below carefully prior to download, installation, copy or use. **THROUGH DOWNLOADING, INSTALLING, COPYING OR USING THE SOFTWARE YOU ARE EXPRESSING YOUR CONSENT TO THESE TERMS AND CONDITIONS.**

Software End-User License Agreement.

Under the terms of this Software End-User License Agreement (hereinafter referred to as "the Agreement") executed by and between ESET, spol. s r. o., having its registered office at Einsteinova 24, 851 01 Bratislava, Slovak Republic, registered in the Commercial Register administered by Bratislava I District Court, Section Sro, Entry No 3586/B, Business Registration Number: 31 333 535 or another company from the ESET Group (hereinafter referred to as "ESET" or "the Provider") and you, a physical person or legal entity (hereinafter referred to as "You" or "the End User"), You are entitled to use the Software defined in Article 1 of this Agreement. The Software defined in Article 1 of this Agreement can be stored on a data carrier, sent via electronic mail, downloaded from the Internet, downloaded from the Provider's servers or obtained from other

①

Print Save

10

Read the EULA (End-User License Agreement) carefully.
If you agree to it, click ① "I Accept."

If you don't agree to the EULA, then you may not use ESET.

eset SMART SECURITY 9

There is power in numbers. Get the maximum level of protection.

The ESET LiveGrid® feedback system allows us to collect information about suspicious objects, which we process automatically to create detection mechanisms in our cloud system. We then immediately apply these to ensure that our customers have the maximum level of protection.

① Enable ESET LiveGrid® feedback system (recommended)

Detection of Potentially Unwanted Applications

ESET can detect potentially unwanted applications and ask for confirmation before they install. Potentially unwanted applications might not pose security risk but they can affect computer's performance, speed and reliability, or cause changes in behavior. They usually require user's consent before installation.

② Enable detection of potentially unwanted applications
 Disable detection of potentially unwanted applications

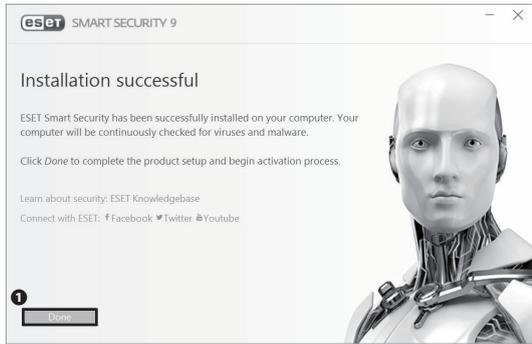
③

Change installation folder

11

Make sure that ① "Enable ESET LiveGrid feedback system" is checked, and ② "Enable detection of potentially unwanted applications" is selected.

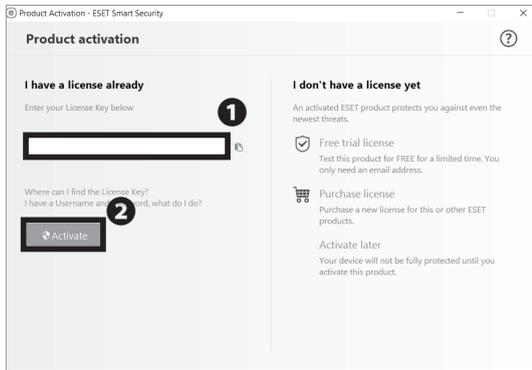
Then, click ③ "Install."



12

If the window shown on the left appears, you have successfully installed ESET Smart Security 9.

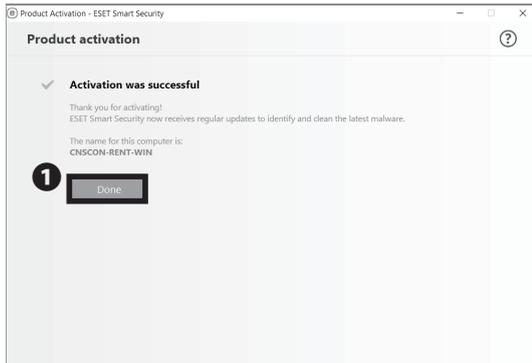
Click **1** "Done" and proceed to activation process.



13

Once you finish installing ESET, the window shown on the left will appear.

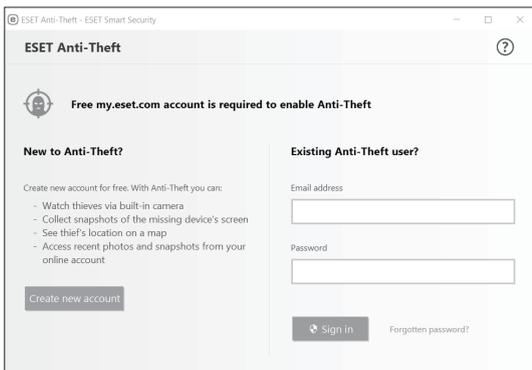
Enter your License Key which is **3** "製品認証キー" in STEP 07 in **1**, then click **2** "Activate."



14

If the window shown on the left appears, you have successfully activated ESET Smart Security.

Click **1** "Done" to proceed.



15

After product activation, the window shown on the left will appear.

You can setup ESET Anti-Theft here by creating my.eset.com account. If you don't need ESET Anti-Theft, simply close the window.

Installing Antivirus Software on Your PC (Windows 10) is completed.

3

Installing Antivirus Software on Your Mac (Mac OS X)



01

Open a web browser and go to the URL:

⇒ <http://keio.jp/>

Type your keio.jp ID (or "[your CNS login name]@sfc.keio.ac.jp") in ① "ID" and your keio.jp password (or "your CNS login password") in ② "Password." Then, click ③ "Login."



02

Click ① "English" on the top of the page.



03

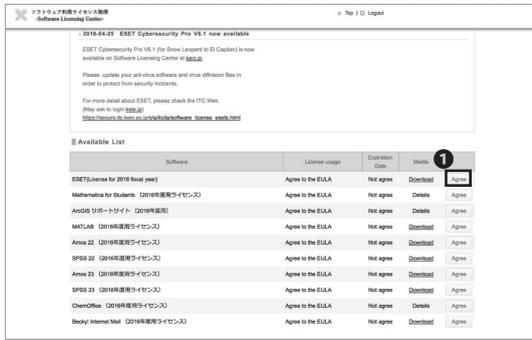
Click ② "Software Licensing Center" from the menu ① "SERVICE."

Antivirus 5

CNS Servers 6

FAQ 7

Appendix 8



04

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

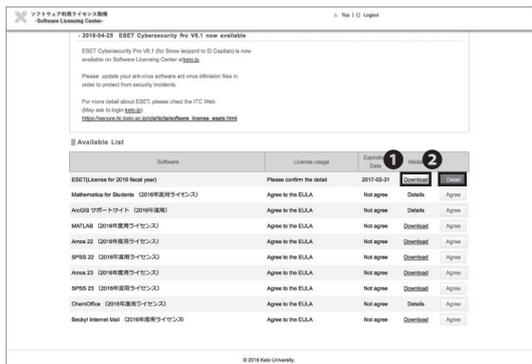
This action doesn't mean you have agreed to the EULA for ESET.



05

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

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



06

Go back to the license list.

Hold the Command key and click **1** "Download" to open and duplicate the tab. This window should look like Step 08.

Then Click **2** "Detail."



07

You can check your **1** User Name, **2** Password, and **3** License Key for ESET on this page.

You will use **3** License Key at STEP 27.

ESET products

インストールプログラム ダウンロードページ - Install Program Download Page -
ウイルス定義データベースはアップデートして常に最新のものを適用してください。
【個人利用向け】

※ESET(個人利用向け)はOS、日英版、32/64bitのすべての製品を通して一人1ライセンスの提供です。

総合セキュリティ対策製品 - Integrated Security Products -					
ソフトウェア名称 Product Name	OS	日本語版		English	
		32bit	64bit	32bit	64bit
ESET Smart Security V9	Windows	ダウンロード (Windows10 まで対応) (187MB)	1	Download (Up to Windows10) (100MB)	Download (Up to Windows10) (104MB)
ESET Cybersecurity Pro V6.1	Mac	ダウンロード (Snow Leopard - El Capitan 対応) (129MB)		Download (Snow Leopard - El Capitan) (83.4MB)	
アンチウイルス製品 - Anti-Virus Products -					
ソフトウェア名称 Product Name	OS	日本語版		English	
		32bit	64bit	32bit	64bit

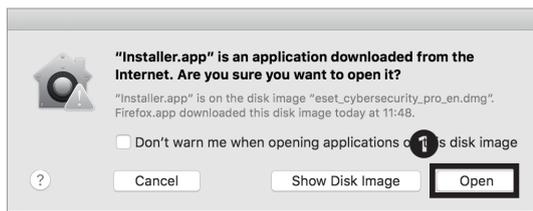
08

Click ❶ "Download" to download the installer.



09

Open the file you just downloaded. Then click ❶ "Install ESET Cyber Security Pro" to install ESET Cyber Security Pro on your Mac.



10

Click ❶ "Open."



11

Click ❶ "Continue."

Antivirus 5

CNS Servers 6

FAQ 7

Appendix 8



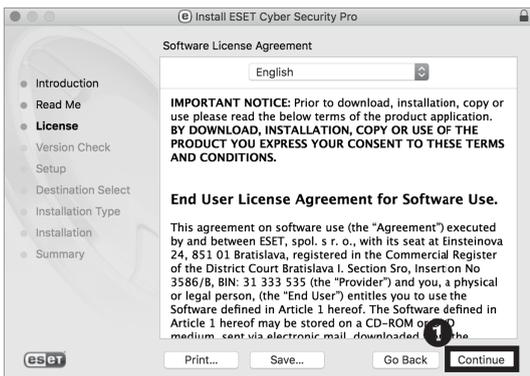
12

Click 1 "Continue."



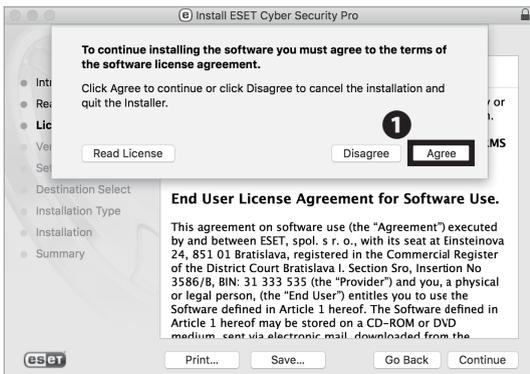
13

Click 1 "Continue."



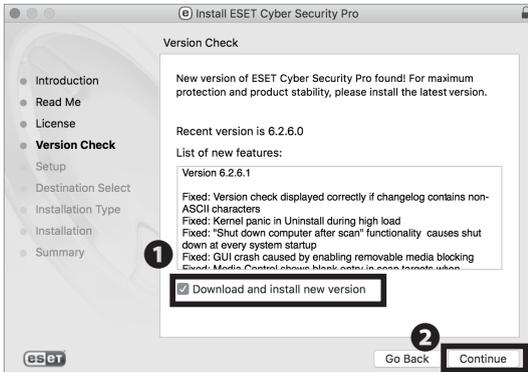
14

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



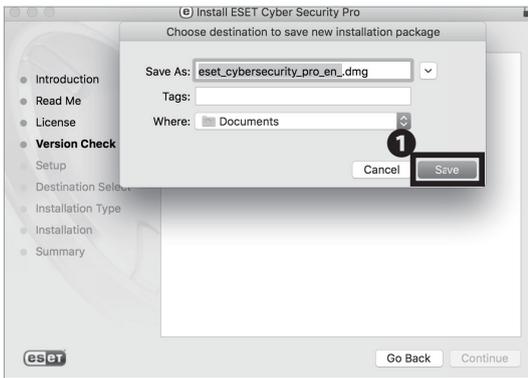
15

Click 1 "Agree."



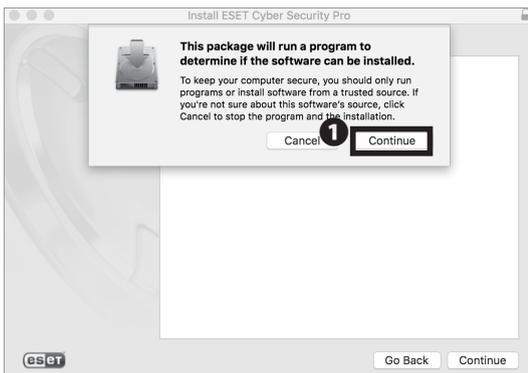
16

Make sure **1** "Download and install new version" is checked. Then, click **2** "Continue."



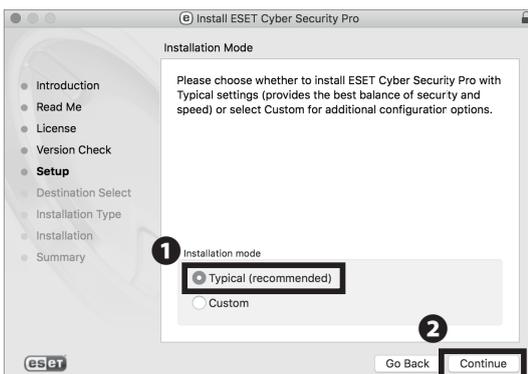
17

Click **1** "Save."



18

Click **1** "Continue."



19

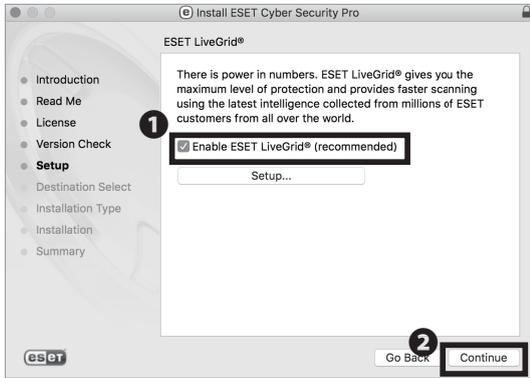
Make sure that **1** "Typical (recommended)" is selected for installation mode. Then click **2** "Continue."

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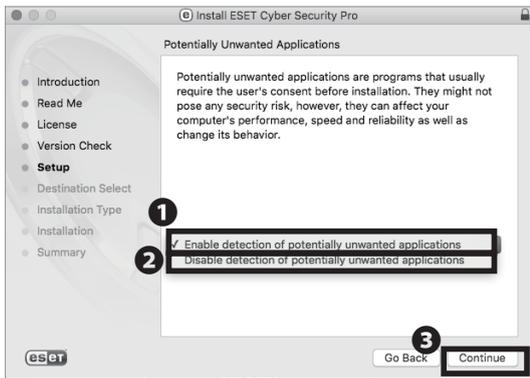
FAQ 7

Appendix 8



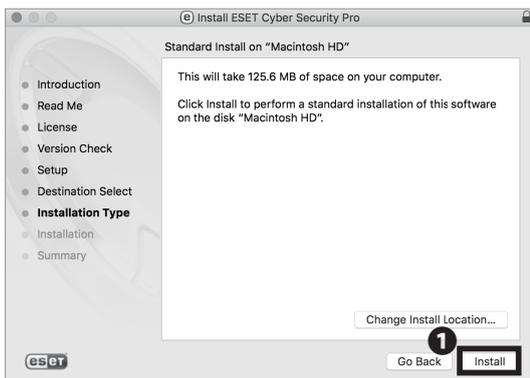
20

Make sure that ❶ "Enable ESET LiveGrid (recommended)" is checked. Then, click ❷ "Continue."



21

If you want to use the function shown on the window, select ❶ "Enable detection of potentially unwanted applications." If not, select ❷ "Disable detection of potentially unwanted applications." Then, click ❸ "Continue."



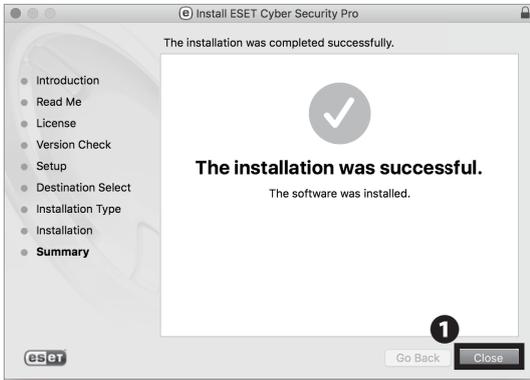
22

Click ❶ "Install."



23

When the window prompts you to type in your password, type your Mac OS X account password in ❶ "Password." Then, click ❷ "Install Software."



24

You have successfully installed ESET Cyber Security Pro on your Mac.

Click **1** "Close."



25

On your desktop, click **1** icon, then click **2** "Open ESET Cyber Security Pro."



26

Click **1** icon, then click **2** "Product activation..."



27

Enter your License Key which is **3** "製品認証キー" from STEP 07 in **1** "License Key." Then, click **2** "Activate."

Installing Antivirus Software on Your Mac (Mac OS X) is completed.

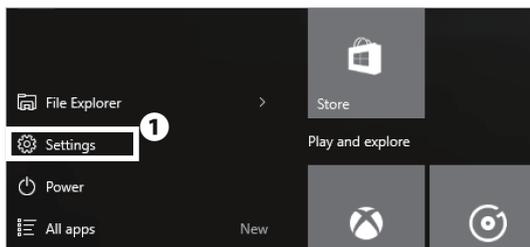
4

How to Update Your Windows / Mac OS X System

Are Software Updates Important?

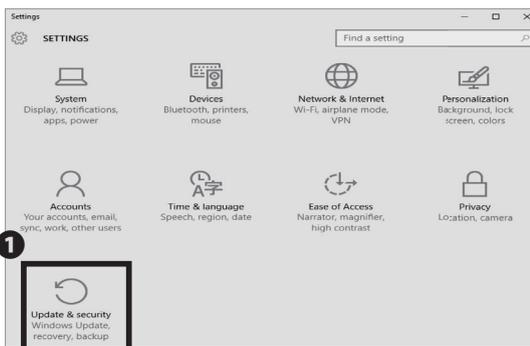
When a bug or vulnerability is discovered in software, a software publisher will often release an update to fix any problems. For example, Windows Update (on Windows PCs) and Software Update (on Mac OS X) regularly releases updates to keep users safe. Many other software vendors have similar ways to 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 Mac OS X) and configure your computer to check for updates automatically.

Updating Your Windows System (Windows 10)

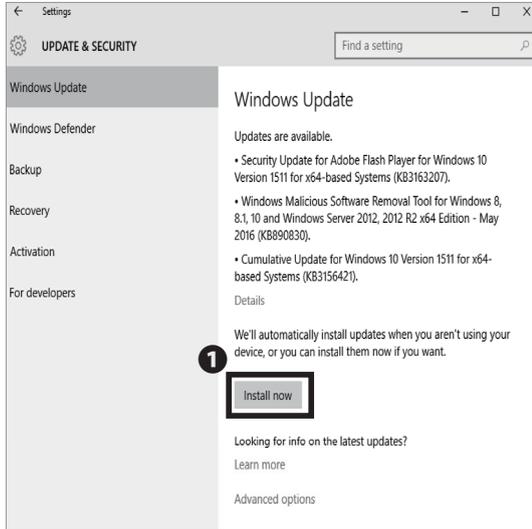
01

Click the Windows icon in the lower left corner of your screen, then click **1** "Settings."



02

On the left screen, click **1** "Update and security."



03

Select any updates that appear, then click **1** "Install now." Windows 10 will check for and install updates automatically.

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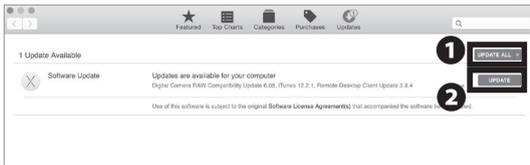
Appendix 8

Updating Your Mac System (Mac OS X)



01

From the Apple menu on the menu bar at the top of the screen, click ❶ "App Store..."



02

The App Store will launch. If you see any update(s), click ❶ "UPDATE ALL" or ❷ "UPDATE."

Updating Your Mac System (Mac OS X) 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 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.

6

CNS Servers

Explaining How to Upload Files to CNS Servers and Publish Files on the Web.

Using CNS Servers	102
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What is Remote Access ?	103
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Access Remotely from Your Mac (Mac OS X)	107
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Transferring Files to CNS from Your Mac (Mac OS X) with Cyberduck	114
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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 80GB of storage on the CNS network. The storage is allocated for e-mail services and the rest of the space can be used for personal purposes; storing reports, photos, a backup and so forth. However it means that your e-mail service will no longer work when your storage is full. Be sure to make some space for e-mails in your storage.

Please refer to the list below to find paths of your user data directories.

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.103 : 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 Mac OS X will be given in this section.

Directory	Path on CNS Servers
Mac OS X Home directory	/home/ [your CNS login name]/CNSiMac
Windows 10 Desktop directory	/home/ [your CNS login name]/10DataCNS/CNSDESKTOP
Windows 10 Document directory	/home/ [your CNS login name]/10DataCNS/Documents

2

Remote Access to CNS Servers

What is Remote Access ?

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

In this section, instructions for Remote Access on Windows 10 and Mac OS X are given. For more information about CNS servers, please refer to the following URL:

⇒ http://www.sfc.itc.keio.ac.jp/en/top_sfc.html

Access Remotely from Your PC (Windows 10)

01

First, you need to make a public key and secret key to log in to CNS servers remotely. These keys can be made on the Shonan Fujisawa ITC website:

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

02

You will find the list of passphrases you can change on the left side menu. Select ❶ "CNS SSH Key."

CNS SSH Key

登録済みの公開鍵の確認(Public key list)

Public key List

① キーペアの作成(Generate key pair)

1 パスフレーズを入力してください(Enter passphrase)

秘密鍵を暗号化するためのパスフレーズ

② のボタンをクリックしてください(Click this button)

Generate key pair

03

Next, you will be directed to the page which requires you to set a password for your keys. Enter your passphrase in ①, and click ② "Generate key pair." This passphrase will be used in STEP 12.

CNS SSH Key

Logout

✓ キーペアが作成されました。
(Key pair has been generated successfully.)
自動的にダウンロードが開始されます
(Download will be started automaticaly)

秘密鍵(Private key)

- ダウンロードは今回のみ可能です(You can download only this time)
- Mac, Linux等で利用する場合は chmod 600 を忘れずに
(If you use on Mac/Linux, Please chmod 600 this key.)

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEA...
-----END RSA PRIVATE KEY-----
```

① Download

04

Click ① "Download." Download your secret key and save it to any location on your computer.

Download PuTTY - a free x +

← → ↻ putty.org

Download PuTTY

PuTTY is an SSH and telnet client, developed originally by a group of volunteers.

You can download PuTTY [here](#). ①

Below suggestions are independent

Bitvise SSH Client

Bitvise SSH Client is an SSH and SFTP client for Windows supported by PuTTY, as well as the following:

- graphical SFTP file transfer;

05

Windows doesn't have a SSH client preinstalled. You must install dedicated software. We will use "PuTTY" as an example. Access the below link, and click ① "here:."

⇒ <http://www.putty.org>

PuTTY
Home | License | FAQ
Mirrors | Updates | Etc

Here are the PuTTY files themselves:

- PuTTY (the SSH and Telnet client itself)
- PSCP (an SCP client, i.e. command-line secure file copy)
- PSFTP (an SFTP client, i.e. general file transfer sessions much like FTP)
- PuTTYtel (a Telnet-only client)
- Plink (a command-line interface to the PuTTY back end)
- Pageant (an SSH authentication agent for PuTTY, PSCP, PSFTP, and Plink)
- PuTTYgen (an RSA and DSA key generation utility)

LEGAL WARNING: Use of PuTTY, PSCP, PSFTP and Plink is illegal in countries where encryption is outlawed. We believe it is legal to use and distribute these programs, but you may find useful information at www.fbi.gov, which collects information on cryptography laws in many of these countries. Use of the Telnet-only binary (PuTTYtel) is unrestricted by any cryptography laws.

There are cryptographic signatures available for all the files we offer below. We also supply cryptographically signed lists of checksums. To do a checksum, you could try this one at www.md5tools.com. (This MD5's program is also cryptographically signed by its author.)

Binaries

The latest release version (Beta 0.66)

This will generally be a version we think is reasonably likely to work well. If you have a problem with the release version, it might be worth trying an older version.

For Windows on Intel x86

PuTTY:	putty.exe	(or .jar, .FTP)	(signature)
PuTTYtel:	puttytel.exe	(or .jar, .FTP)	(signature)
PSCP:	pscp.exe	(or .jar, .FTP)	(signature)
PSFTP:	psftp.exe	(or .jar, .FTP)	(signature)
Plink:	plink.exe	(or .jar, .FTP)	(signature)
Pageant:	pageant.exe	(or .jar, .FTP)	(signature)
PuTTYgen:	puttygen.exe	(or .jar, .FTP)	(signature)

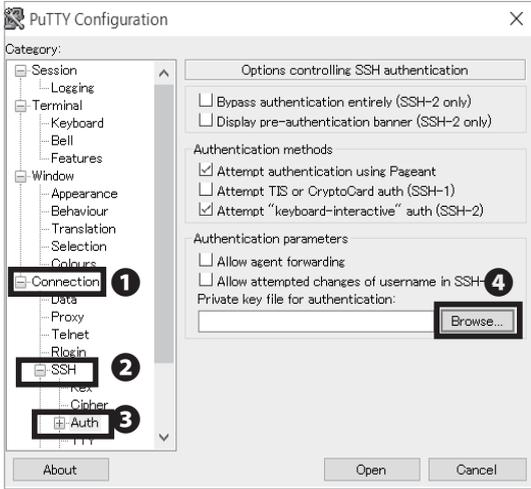
A ZIP file containing all the binaries (except PuTTYtel), and also the help files

Zip file: [putty.zip](#) (or .jar, .FTP) (signature)

A Windows installer for everything except PuTTYtel.

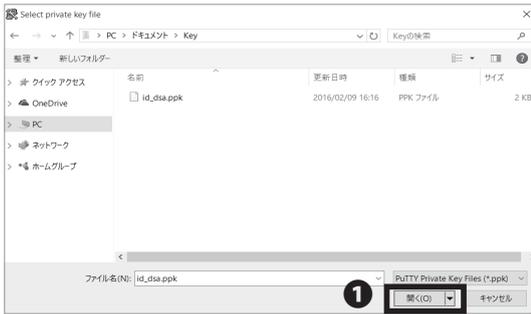
06

Click ① "PuTTY:putty.exe" and save it to any location.



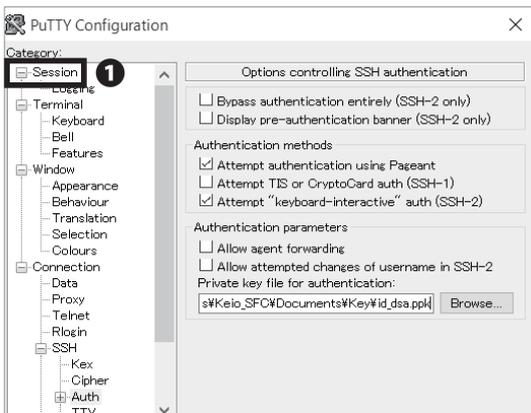
07

Start "PuTTY" and click **1** "Connection" -> **2** "SSH" -> **3** "Auth" -> **4** "Browse."



08

Click **1** "Open."



09

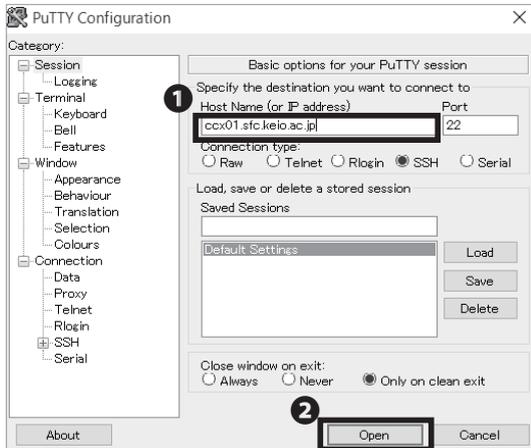
After confirming "Private key files for authentication" is correct, click **1** "Session."

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10

Type your host name in ① "Host Name." We are using "ccx01.sfc.keio.ac.jp" as an example. Click ② "Open." For more information regarding CNS server, check the link below:

⇒ https://secure.itc.keio.ac.jp/c/a/sfc/en/computer_server.html



11

If you have never connected to a CNS server before, an alert like the one shown on the left will appear. Click ① "OK."



12

Type your CNS login name in ① "login as" and your passphrase you made at STEP 03 in ② "Passphrase for key 'imported-openssh-key.'" Be aware that the cursor won't move while passphrase is being typed.



13

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

Access Remotely from Your PC (Mac OS X)

```

tarokeio — -bash —
Last login: Mon Feb 22 16:11:34 on ttys000
Taro-KEI0:~ tarokeio$ ssh-keygen -b 2048

```

01

First, start Terminal.app from the Application folder. In Mac, we will use the ssh-keygen command to create private and public key. Type in

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

and hit the Return key.

```

tarokeio — ssh-keygen -b 2048 — 80x24
Taro-KEI0:~ 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, keys are saved to "/Users/\$<your username>/.ssh."

```

tarokeio — ssh-keygen -b 2048 — 80x24
Taro-KEI0:~ 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
Taro-KEI0:~ 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:X3pM0dSMum8uYfYMTxwAS+yR7fIXY91Qh/vcXh+zcgc tarokeio@Taro-KEI0.local
The key's randomart image is:
+----[RSA 2048]-----+
|
|.o+ oo|
|..+o o.|
|..o .+|
|o ...o|
|S .o*oo*|
|.E*B+=|
|oo=Oo.B|
|..=.o|
|..o|
+----[SHA256]-----+
Taro-KEI0:~ tarokeio$

```

04

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

```

Taro-KEIO:~ tarokeio$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/tarokeio/.ssh/id_
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_
Your public key has been saved in /Users/tarokeio/.ssh/id_rsa
The key's fingerprint is:
SHA256:X3pM0d5Mum8uYfYMTxwAsYR7fIXY91Qh/vcXh+zcgc tarokeio@T
The key's randomart image is:
+----[RSA 2048]-----+
|
| .o+  oo|
| .+.o o .|
| ..o . +.|
| o . * o|
| S .o*oo*.|
| .E*B+|=|
| oo=Oo.B|
| ..=.o|
| .o|
+----[SHA256]-----+
Taro-KEIO:~ tarokeio$ cat ~/.ssh/id_rsa.pub |pbcopy

```

05

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

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

The public key 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."



09

If you have successfully registered your public key, you will see this page.



10

Open Terminal.app from the Applications folder.

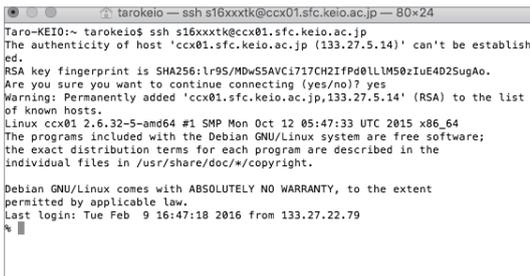
Type in

```
$ ssh [your loginname]@[login server]
```

For example,

login name = s16xxxtk

login server = ccx01.sfc.keio.ac.jp



11

If you see the window shown on the left, you have successfully logged in.

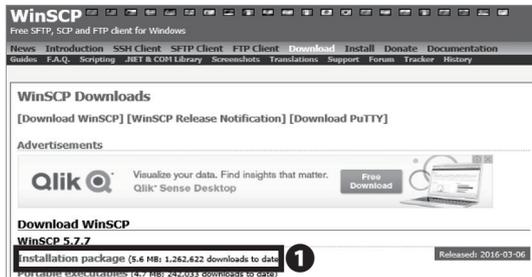
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3

Transferring Files to CNS from Your PC
(Windows 10) with WinSCP

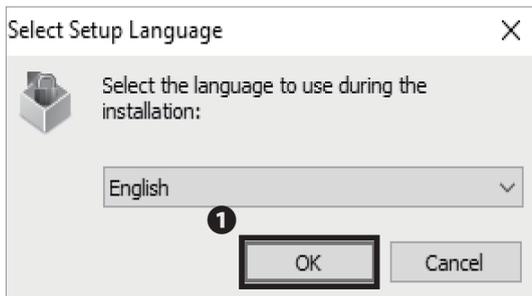
01

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

Open a web browser and go to the URL:

⇒ <https://winscp.net/eng/download.php>

Click ❶ "Installation package."



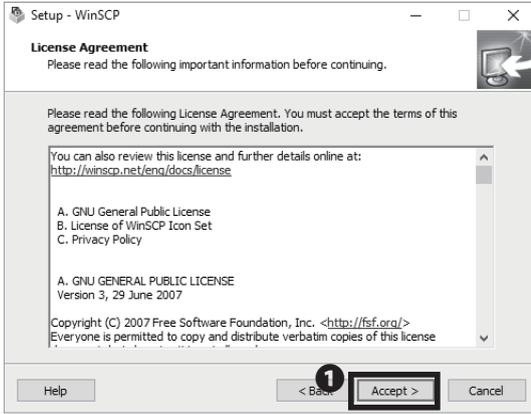
02

Open the file you just downloaded. Click ❶ "OK."



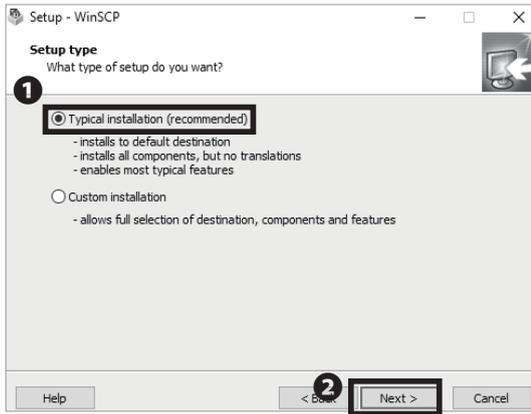
03

Click ❶ "Next>."



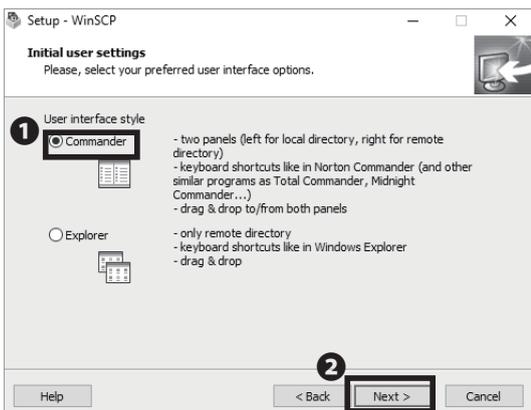
04

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



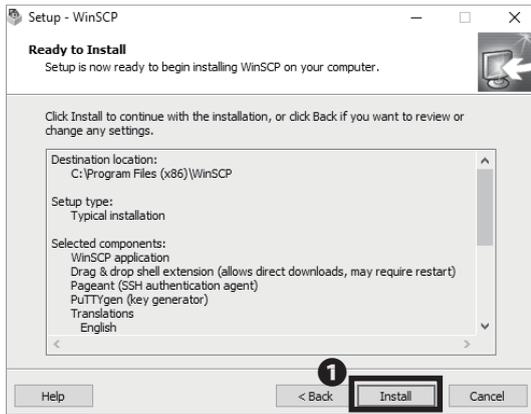
05

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



06

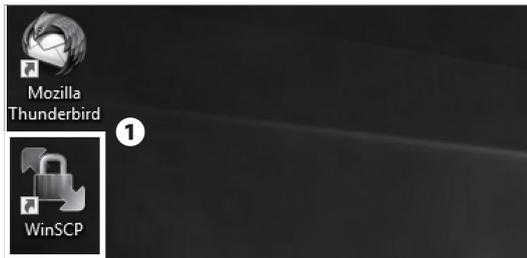
Next, select your preferred user interface style. "Commander interface style" will be used as an example for the instructions in this book. You can change the interface style after the setup if desired. Make sure that **1** "Commander" is selected. Then, click **2** "Next >."



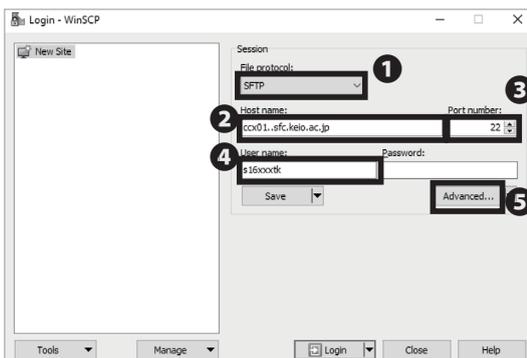
07

Click **1** "Install."

08

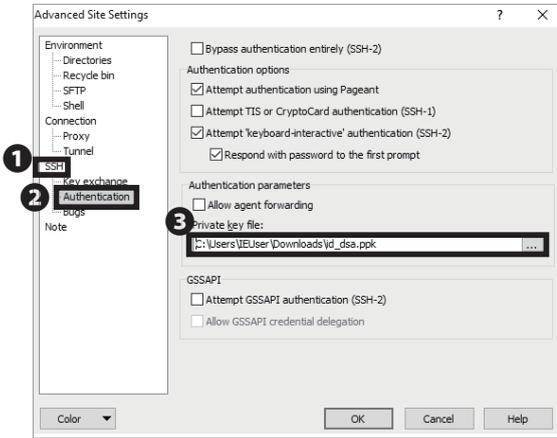
Installation for WinSCP is completed. Click **1** "Finish" and close the installation wizard.

09

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

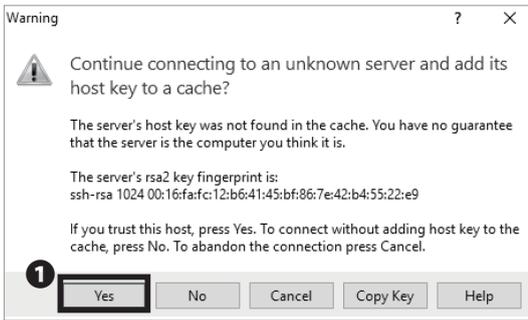
10

Select "SFTP" from **1** "File protocol" and type "ccx01.sfc.keio.ac.jp" in **2** "Host name", "22" in **3** "Port number", your CNS login name in **4** "User name," and then click **5** "Advanced..."



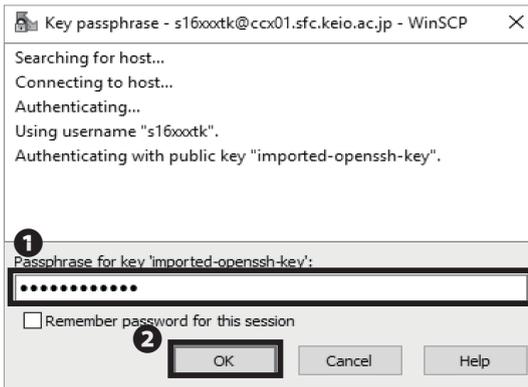
11

Click 1 "SSH" -> 2 "Authentication" and select your secret key at 3 "Private key file" which is created at [p.103: Remote Access to CNS Servers.]



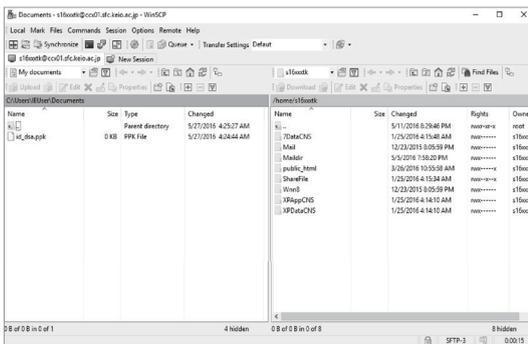
12

Click 1 "Yes."



13

Type your passphrase you created at [p.103: Remote Access to CNS Servers] in 1 "Passphrase for key 'imported-openssh-key:'" and click 2 "OK."



14

Transferring Files to CNS from Your PC (Windows 10) with WinSCP is completed. If connected properly, your screen should look like the image on the left.

Local computer's files are shown on the left side and remote computer's files are shown on the right side of the screen. You can upload files easily by dragging and dropping from your local files to the remote file window.

4

Transferring Files to CNS from Your Mac (Mac OS X) with Cyberduck



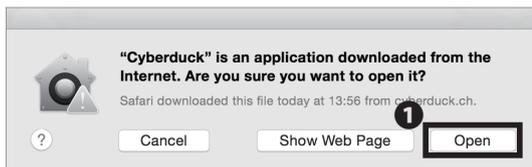
01

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

Open a web browser and go to the following URL:

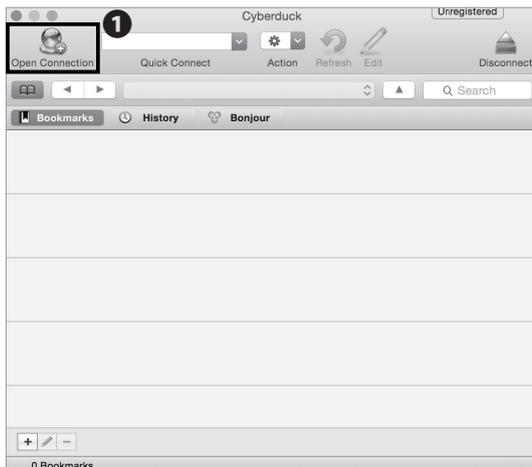
⇒ <http://cyberduck.io/>

Click ❶ “Download.”



02

Open the file you just downloaded and run the Cyberduck application. Click ❶ “Open” if you see the window shown on the left side.



03

Click ❶ “Open Connection.”



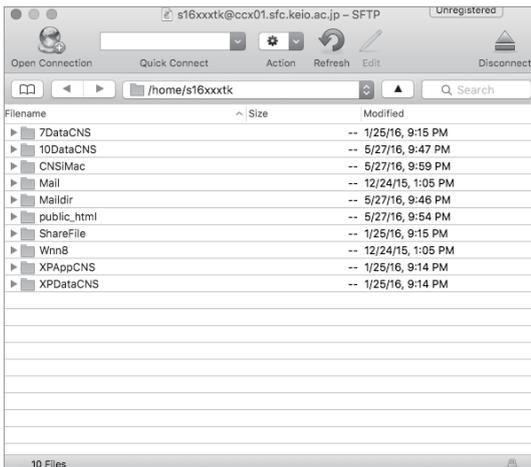
04

Select "SFTP" from the ❶ list and type "ccx01.sfc.keio.ac.jp" in ❷ "Server", "22" in ❸ "Port", your CNS login name in ❹ "Username," click ❺ "Use Public Key Authentication" and select your secret key created at [p.103: Remote Access to CNS Servers,] then click ❻ "Connect."



05

If you see the window shown on the left side, check ❶ "Always", then, click ❷ "Allow."



06

Transferring Files to CNS from Your Mac (Mac OS X) 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 to 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 the SSH, or with any file transfer software. Files in this directory will be made publicly accessible 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.

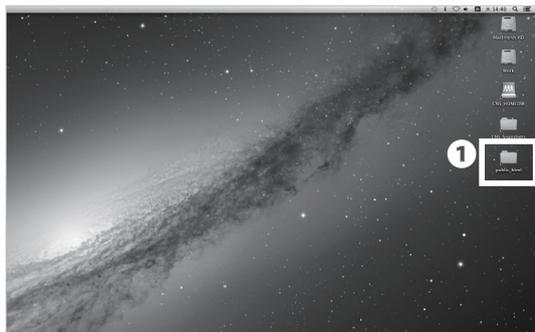
You can access files published from your public_html directory by visiting:

[http://web.sfc.keio.ac.jp/~\[your CNS login name \]/\[relative path from public_html to the file \]](http://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.119 : Correlation between URL and File Location.】**

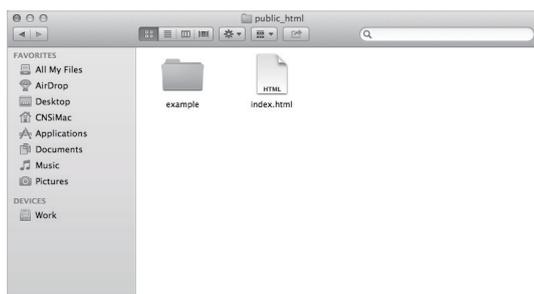
Instructions for publishing files from on-campus computers, using file transfer software on computers, and remotely accessing CNS via the CLI (Please refer to **【p.103 : Remote Access to CNS Server】**) will be given in this section.

Publishing Files on the Web from On-Campus Computers (Mac)



01

Open **1** “public_html” from the desktop.

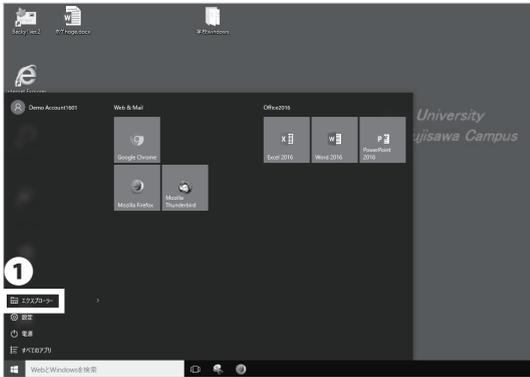


02

By dragging and dropping your files into “public_html,” you can publish them to the web.

If you want to know the URL of the uploaded file, please refer to **【p.119 : Correlation between URL and File Location.】**

Publishing Files on the Web from On-Campus Computers (Windows)



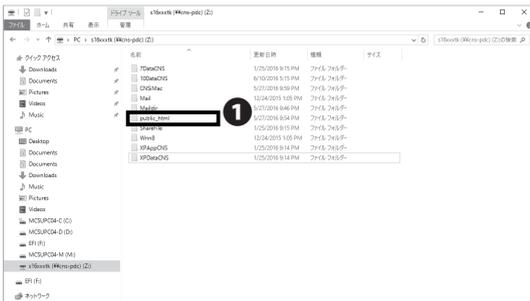
01

Click ❶ “Explorer” from the desktop.



02

Click ❶ “[your CNS login name](Z:)” under “Network Location.”

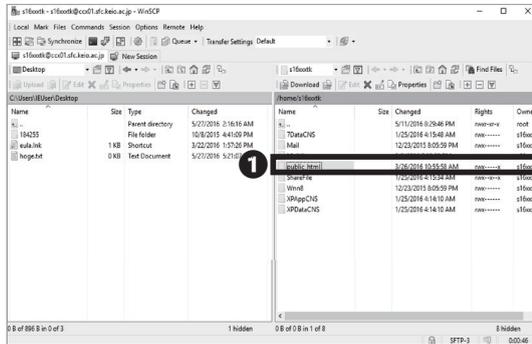


03

By dragging and dropping your files into ❶ “public_html,” you can publish them to the web.

If you want to know the URL of the uploaded file, please refer to [【p.119 : Correlation between URL and File Location.】](#)

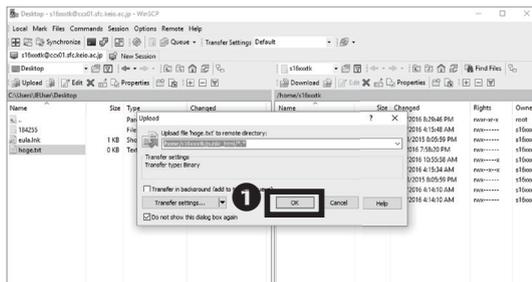
Publishing Files on the Web from Your PC with WinSCP (Windows 10)



01

Launch WinSCP and connect to your CNS home directory. Please refer to [\[p.110 : Transferring Files to CNS from Your PC \(Windows 10\) 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).

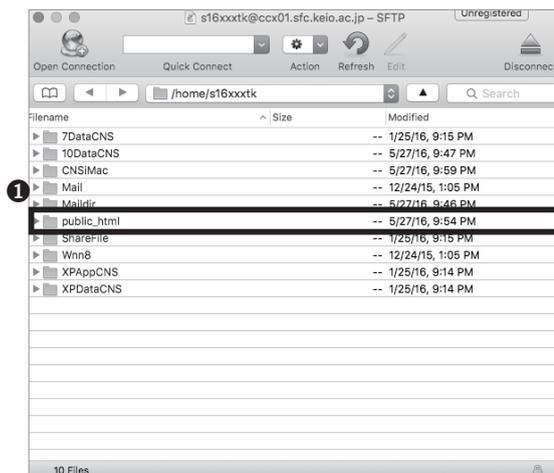


02

Click **1** "OK."

Publishing Files on the Web from Your Computer with WinSCP (Windows 10) is completed. If you want to know the URL of the uploaded file, please refer to [\[p.119 : Correlation between URL and File Location.\]](#)

Publishing Files on the Web from Your Mac with Cyberduck (Mac OS X)



01

Launch Cyberduck and connect to your CNS home directory. Please refer to [\[p.114 : Transferring Files to CNS from Your Mac \(Mac OS X\) with Cyberduck\]](#) for instructions to install Cyberduck.

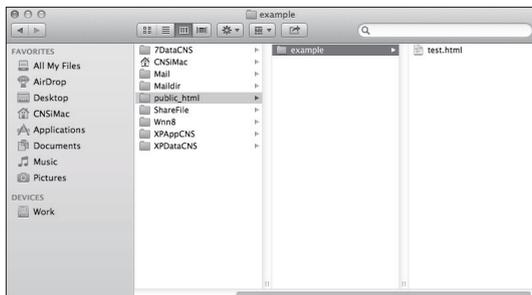
Drag and drop the file or the directory that you want to publish on the web from your computer to **1** "public_html" directory.

Publishing Files on the Web from Your Mac with Cyberduck (Mac OS X) is completed. If you want to know the URL of the uploaded file, please refer to [\[p.119 : Correlation between URL and File Location.\]](#)

Correlation between URL and File Location

Correspondence between the URL and the file being placed in “public_html” under home directory is as below. After uploading files, you can access the files on the web by launching a browser and typing the URL shown below:

[http://web.sfc.keio.ac.jp/~\[your CNS login name\]/\[relative path from public_html to the file\]](http://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 “s16xxxtk,” 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:

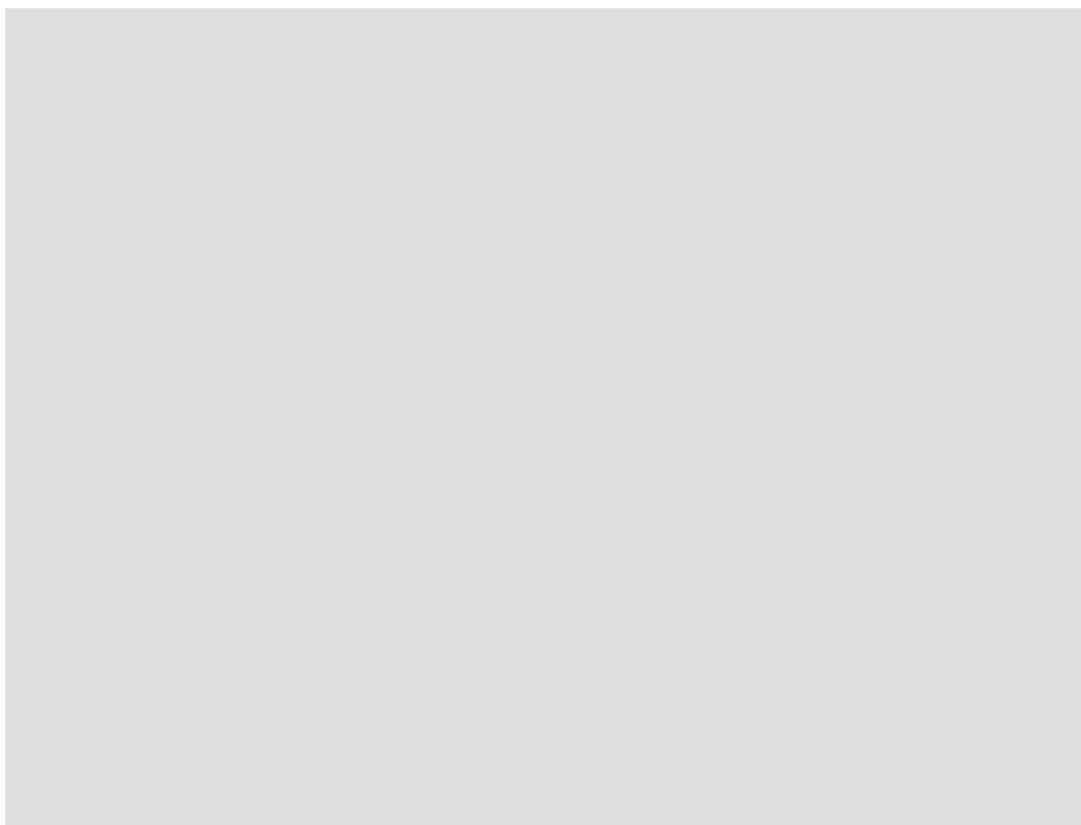
⇒ **[http://web.sfc.keio.ac.jp/~\[your CNS login name\]/\[relative path from public_html to the file\]](http://web.sfc.keio.ac.jp/~[your CNS login name]/[relative path from public_html to the file])**

In this example, since the CNS login name is “s16xxxtk” and the relative path from public_html to the file is “example/test.html”, the URL should be as follows:

<http://web.sfc.keio.ac.jp/~s16xxxtk/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).



7

FAQ

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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:

⇒ http://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 renting Remote Conference System	Faculty and Staff	You can use the video meeting system for having discussions with people from remote locations.
Registration for connecting devices to CNS	Fulltime Faculty and Staff	You can connect devices to CNS with static hostnames and IP addresses.
Registration for Sub-Domains	Fulltime Faculty and Staff	You can obtain sub-domains for laboratories.
Registration for Sub-Networks	Fulltime Faculty and Staff	You can obtain sub-networks for laboratories.
Cloud Computing	Students, Faculty and Staff	You can use VPS services.

Software Licensing Center

Site-Licensed software is 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 a 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 the Site-Licensed Software detail/application page on the ITC website:

⇒ https://secure.itc.keio.ac.jp/c/a/sfc/en/software_license_sfc.html

As of September 2016, the following software is available:

Name of Software	Description	Eligible Users
JMP	Statistical Analysis	Student, Faculty and Staff
Mathematica	Technical Calculation Software	Student, Faculty and Staff
SAS	Statistical Analysis	Student, Faculty and Staff
SPSS	Statistical Analysis and Data Mining	Student, Faculty and Staff
Amos	Analysis of Covariance Structure Software	Student, Faculty and Staff
Microsoft Software	Office, Windows OS(Upgraded)	Faculty and Staff
Becky! Internet Mail	Mail Client for Windows	Student, Faculty and Staff
MATLAB	Math Analytic Program	Faculty and Staff
ChemBioOffice	Chemistry-Oriented Analytical Program	Student, Faculty and Staff
ESET Smart Security / Cyber Security	Security Software	Student, Faculty and Staff
ArcGIS	Geographical Information Analysis Software	Student, Faculty and Staff
EndNote	To help manage documents and write papers	Tenured and Non-Tenured Faculty Member, Graduate Students
iThenticate	Plagiarism Detection Software	Tenured and Non-Tenured Faculty Member, Graduate Students

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2

How to Reset Account Passwords

Checking and Changing SFC-CNS Passwords

01

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

You can change the following passwords here:

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

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

If you have lost your current CNS login password, you must bring your student ID card or campus card to the "CNS/ERNS Service Counter" of Shonan Fujisawa ITC in order to reset your password. (Please refer to 【p.136 : SFC-CNS Technical Support Services.】)

02

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

SFC-CNS Passwords

CNS Login Password | Logout

IMAP/SMTP-AUTH Password

IPP Password

Database Password

CNS WiMAX Password

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 (Strong)

④ Submit

新パスワードには以下の条件が必要です

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 | Logout

IMAP/SMTP-AUTH Password

IPP Password

Database Password

CNS WiMAX Password

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 (Strong)

③ Submit

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
- CNSログイン名と同じ文字列は使用しないでください

Requirements for new password

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 | Logout

IMAP/SMTP-AUTH Password

IPP Password

Database Password

CNS WiMAX Password

IPP 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)

IPP印刷について (About IPP printing)

- 日本語
- English

05 Checking IPP Password

Click ① "Confirm" to check IPP Password.

SFC-CNS Passwords

CNS Login Password | Logout

IMAP/SMTP-AUTH Password

IPP Password

Database Password

CNS WiMAX Password

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)

個人用 Web サービスについて (About Web Service)

- 日本語
- English

06 Checking Web Database Password

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

SFC-CNS Passwords

CNS Login Password | Logout

IMAP/SMTP-AUTH Password

IPP Password

Database Password

CNS WiMAX Password

CNS WiMAX用パスワード

UQ WiMAX2+を利用するにはUQコミュニケーションズとの契約が別途必要です

パスワードの作成/変更
(Create/Change password) ①

UQ WiMAX 2+ について (About UQ WiMAX 2+ service)

- SFC CNS利用者毎月WiMAXサービスについて

07 Confirm CNS WiMAX Password

To change or confirm password for CNS WiMAX, click ① "Create/Change."

A separate contract with UQ Communications is needed to use UQ WiMAX2+.

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Changing Login Password for keio.jp Account

2014年11月11日より keio.jp の変更点があります。詳細
keio.jp renewal on November 11, 2014 [Detail](#)

ログイン対象/Log in to :
keio.jpポータル / keio.jp Portal

1 ID:
t.keio@keio.jp

2 Password:
●●●●●●●●

: ワンタイムパスワードを利用する/ Use One-Time Password

3 **▶ Login**

[利用者ガイド \(User's Guide\)](#) [サポート \(Support Desk\)](#)
[ワンタイムパスワードについて \(About One-Time Password\)](#)

01

Open a web browser and go to the following URL:

⇒ <http://keio.jp/>

Type your keio.jp ID (or "[your CNS login name]@sfc.keio.ac.jp") in ① "ID" and your keio.jp password (or "your CNS login password") in ② "Password." Then, click ③ "Login."

1 **Change Each Password**

02

Click ① "Change Password" at the top of the page.

1 **keio.jp**

ITC Account
SFC-CNS
Mail soft/Smartphone apps
Feature phone
Keio Mail EX

03

Click ① "keio.jp."

How to decide a password

- Password length: Your password must contain 8-18 characters.
- Rules for password characters:
 - Lowercase letters (a-z)
 - Uppercase letters (A-Z)
 - Numbers (0-9)
 - Symbols (.,-,@,#,%,**,+*) *You can use the arabic symbols only.

A password must contain at least 3 different types of characters, including letters.

Example : Jk02F1519%

1 **New password**

2 **New password (for confirmation)**

3 **Confirm password**

4 **OK**

04

Type your current keio.jp password in ① "Current password" and your new keio.jp password in ② • ③ . Then, click ④ "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/ERNS Service Counter **【p.134 : SFC-CNS Technical Support Services】** to change your password.

If you have forgotten your IMAP/SMTP-AUTH password, please refer to **【p.124 : 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/ERNS Service

Counter and fill out the appropriate form.

Starting on November 11, 2014, you can log in to keio.jp using your CNS account. Visit <http://keio.jp/> and type [CNS login name]@sfc.keio.ac.jp in "ID" and your CNS password in the password field.

COLUMN vol.3

Tips for Creating a 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 > 9ueen)

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], !nternet > ma!nternetil [mail password].)

There are also several resources available online for generating stronger and more secure passwords.

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3

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 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.

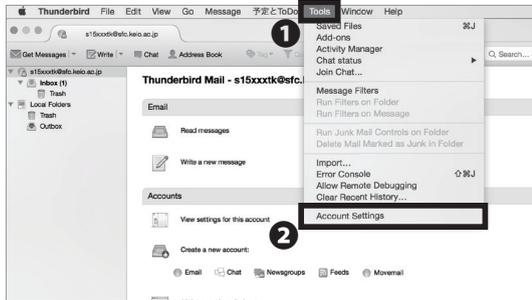
03 Check Printer Status

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 or CNS Consultants 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.65 : CNS Printers.]**

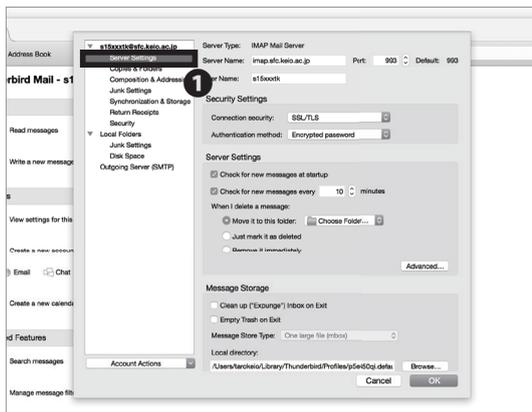
Problems with Sending / Receiving Mail



01

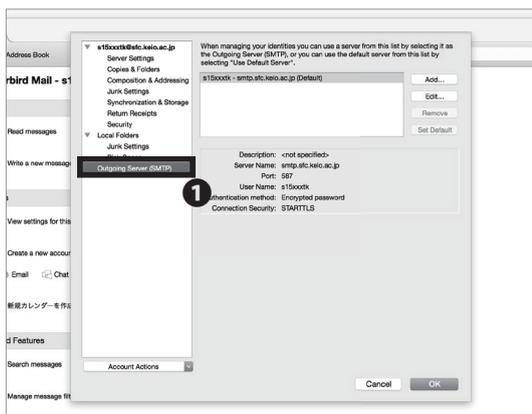
If you cannot send emails even though your sending and receiving email addresses are correct, your email client configuration might need to be fixed.

Please refer to 【p.41 : CNS Mail】 and setup your mail client again. To change the settings in Thunderbird, click ② "Account Settings" from ① "Tools."



02 Incoming Servers

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



03 Outgoing Servers

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

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Troubleshooting of On-Campus Mac

Quick Fix with CNS Tool

01

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

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



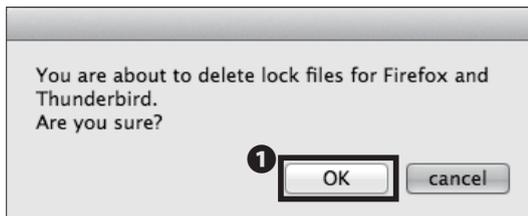
Unable to Launch Firefox or Thunderbird



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.



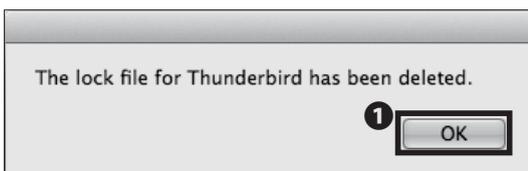
02

Click **1** "OK."



03

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



04

Click **1** "OK."

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Resetting Your CNS Personal Space



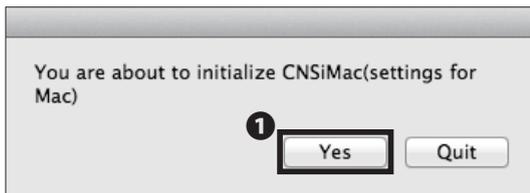
01

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:

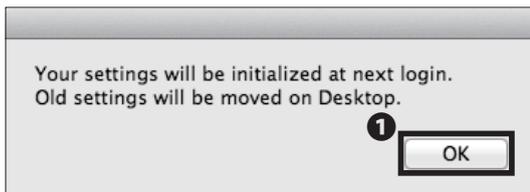
- Files on Desktop
- Files in Documents folder
- Files in Music folder
- Files in Pictures folder
- Bookmarks on Firefox and Safari

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 risk and wish to proceed, click **1** "Renew CNSiMac.app" from the "CNS_Tool" folder.



02

Read the warning on STEP 01, and, if you have no objections, click **1** "Yes."

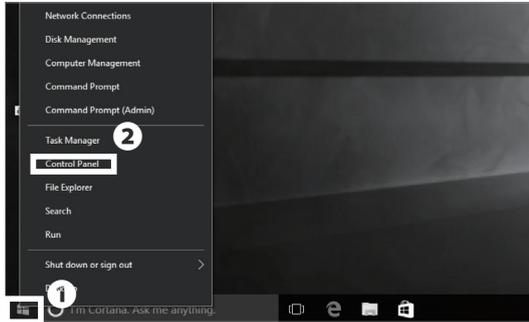


03

Click **1** "OK." Your personal CNS space will be reset the next time you login.

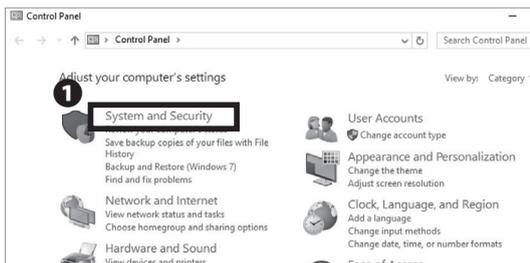
5

How to Check a PC's Operating System



01

On the lower left corner of the desktop, right click **1** "Windows key" then click **2** "Control Panel."



02

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



03

Click **1** "System."



04

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

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SFC-CNS Technical Support Services

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

⇒ http://www.sfc.itc.keio.ac.jp/en/top_sfc.html

Shonan Fujisawa ITC (Information Technology Center)		
Location	Media Center North First Floor CNS/ERNS Service Desk	
E-mail Address	cns-request@sfc.keio.ac.jp	
Website	http://www.sfc.itc.keio.ac.jp/en/top_sfc.html	
Opening hours	9:15 - 17:00 (Saturdays, Sundays, public holidays, and holidays set by Keio are closed.)	
Hotline (Weekdays)	9:15 - 22:50 (Spring/Fall semester) 9:15 - 17:50 (Summer/Winter break period)	Tel. : 0466-49-3423 Extension : 52512
Hotline (Saturday)	9:15 - 18:50 (Spring/Fall semester) 9:15 - 15:50 (Summer/Winter break period) (Sundays, public holidays are closed.)	

CNS Consultant Desk	
Location	Media Center First Floor CNS Consultant Desk
E-mail Address	cns-consultant@sfc.keio.ac.jp
Tel.	0466-49-3425
Extension	52519
Websites	http://cnscon.sfc.keio.ac.jp/en/
Opening Hours	9:20 - 22:30 (Saturdays, Sundays, public holidays, and holidays set by Keio are closed.)

8

Appendix

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

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1

Terms of Use

To Users of CNS and ERNS

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").

- a. SFC-CNS users acknowledge that the SFC-CNS is a network for academic purposes.
- b. 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.
- c. Profit making activities
- d. Actions or activities that violate public order and decency
- e. Actions or activities that invade the privacy of others
- f. Actions or activities that interfere with the normal operation of the network
- g. Actions or activities that infringe on copyrights or other intellectual property rights
- h. Actions or activities which could damage the reputation of Keio University
- i. Other actions or activities that violate laws and regulations or rules of Keio University
- j. Individuals found to be operating devices that could interfere with the normal operation of the network may have their access to SFC-CNS terminated.
- k. These rules may be revised at any time. Revised rules shall take precedence over previous versions.
- l. 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

Last-Modified: July 20, 2011

2

Other Support Services

Shonan Fujisawa ITC (Information Technology Center)	
Location	Media Center First Floor North CNS/ERNS Service Desk
E-mail Address	cns-request@sfc.keio.ac.jp
Tel.	0466-49-3423 <ext. 52512>
Website	http://www.sfc.itc.keio.ac.jp/en/top_sfc.html
Service Hours	9:15 - 17:00 (Closed on Saturdays, Sundays, public holidays, and holidays set by Keio.)

CNS Consultant Desk	
Location	Media Center First Floor CNS Consultant Desk
E-mail Address	cns-consultant@sfc.keio.ac.jp
Tel.	0466-49-3425 <ext. 52519>
Website	http://cnscon.sfc.keio.ac.jp/en/
Service Hours	9:20 - 22:30 (Closed on Saturdays, Sundays, public holidays, and holidays set by Keio.)

AV Consultant Desk	
Location	Media Center First Floor AV Consultant Desk
E-mail Address	av-staff@sfc.keio.ac.jp
Website	http://avcon.sfc.keio.ac.jp/web/ (Japanese only)
Service Hours	Regular Hours 9:15-22:30 (Until 15:30 on Saturdays) Shorter Hours 9:15-17:30 (Until 15:30 [11:30-12:30 Lunch Break] on Saturdays) (Closed on Saturdays, Sundays, public holidays, and holidays set by Keio.)

Database Consultant Desk	
Location	Media Center Second Floor Database Consultant Desk
E-mail Address	dbconsultant@sfc.keio.ac.jp
Service Hours	16:30 - 19:40 (Closed on Saturdays, Sundays, public holidays, and holidays set by Keio.)

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Who are CNS Consultants ?

01 CNS Consultants

The CNS Consultant Desk is a resource intended to provide students, faculty, and staff with information, technical support, and on-campus service regarding CNS. The purpose of the CNS Consultant Desk is to troubleshoot problems and loan out devices for temporary use (such as laptops and USB DVD drive readers).

Support Hours: 9:20 22:30 (weekdays only)

Location: First floor of the Media Center, near the AV Consultant Desk

In case of a natural disaster, event, or holiday, support hours may change. Please refer to the following URL for up-to-date information:

⇒ <http://cnscon.sfc.keio.ac.jp/en/>

For more information about the Media Center's operating hours, please refer to the following URL:

⇒ <http://www.sfc.lib.keio.ac.jp/eng/>

02 Rules and Fines

There are several rules and guidelines you must follow in

order to borrow equipment from the CNS Consultant Desk. These rules are the same regardless of the equipment type (Windows laptop, MacBook Pro, or DVDBluRay Drive, Adapter, USB Charger) and also dictate penalties if you fail to return any equipment in good, working order.

Important notices for using loaner equipment:

- You must present your student ID in order to borrow equipment from the lending form. Obtain and complete an application form from the CNS Consultant Desk. A CNS Consultant will review the application form and rules with you. Please be sure to read the rules on the application form carefully.
- Loaner equipment must be returned by closing time on the day after you borrowed the equipment, unless the CNS Consultant Desk is not open the next day. For example, if you borrow a laptop on Monday, you must return it by closing time on Tuesday, but if you borrow a laptop on Friday, you must return it by closing time on Friday (since the CNS Consultant Desk is not open on Saturdays).
- If you fail to comply with any points of the loaner agreement, you may be restricted from borrowing equipment for up to six months or incur other penalties or restrictions.

Equipment for Rental	Model	Note
Laptop	Dynabook Satellite B65/A	CD / DVD-ROM Readable CD / DVD-R / DVD-RW Writable
	Apple MacBook Pro Retina 15inch	N/A
External DVD Drive	BUFFALO BRXL-CSPI6U2	USB2.0 Compatible CD / DVD-ROM / BD Readable CD / DVD-R / DVD-RW /BD Writable
AC Adapter	85W MagSafe 2 Power Adapter (For Mac)	N/A
	700-NAC026 (For Windows)	
USB Charger	USB-C Charge Cable (For MacBook)	N/A
	USB-C Power Adapter (For Mac)	

4

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.136: 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. You are asked to 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, your account will be vulnerable to third party use, which may result in your profile being exploited for illegal means and put the CNS network at risk.

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What is “ 残留 ” (zanryu)?

Staying on campus overnight is referred to as “zanryu” in Japanese. Zantryu occurs from 23:00 to 8:00 the following morning. Many students lose track of time and may “accidentally” do zantryu during their college life at SFC. Zantryu must be done for academic purposes; any club activities may not be conducted overnight at SFC.

Some students continually stay overnight and enjoy the vacant campus in the morning with the rising sun congratulating them for the hard work done the previous night.

Staying overnight may help you finish your work; however, it also has the potential to harm your health and wellbeing. As a college student, you are free to make your own decisions, but Keio does not recommend the act.

In order to stay overnight, you must submit an online application (through SFC SFS) or complete a paper form when a night watchman (zanryuojisan) asks you. The link to submit an application online is available at the top of each class page on SFC SFS; look for the button marked “Report for Overnight Stay” (オンライン 残留届け).

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List of Centers on Campus

01 Equipment at Media Center

Computers which have Audio/Visual equipments installed, allow you to make a copy of VHS and edit video materials. Service Hours are from 9:15 to 23:00 on weekdays, from 9:15 to 19:00 on Saturdays. On Sundays and National holidays, the center is closed. To enter into the Media Center, your Student ID card is required. You may refer to the website for further information:

⇒ <http://www.sfc.lib.keio.ac.jp/eng/>

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 into the room, your Student ID card is required. You have to submit an "Zanryu-Todoke" to stay overnight in the room.

Location		Use Type	Model/OS	Quantity	Host Name
Media Center	Open Area (First Floor)	Walk-by	Dell Precision 3420 (Windows 10)	2	mcsupc01-02
		Scanning	Dell Precision 3420 (Windows 10)	4	mcvspc01-04
		Video Editing	Mac Pro (OS X 10.11)	6	mchdmac01-06
			iMac 27 inch (OS X 10.11)	2	mchdmac80,81
		Music Composition	iMac 27 inch (OS X 10.11)	4	mcdamac01-04
		General Use	HP Z440 (Windows 10)	2	mcws01-02
			DELL PRECISION T1700 (Windows 10)	7	mcwin01-07
			iMac 27 inch (OS X 10.11)	4	mczmac01-04
	iMac 27 inch (OS X 10.11)		6	mcmac01-06	
	Printer	RICOH IPSiO SP C831 PS	2	-	
Multimedia Multilingual Room (Second Floor)	General Use	Dell Precision 3420 (Windows 10)	2	mmlswpc01-02	
ITC Entrance	Printer	RICOH IPSiO SP C831 PS	3	-	
PC Rooms	κ 18	General Use	iMac 21.5 inch (OS X 10.11)	40	zmac000-039
		Printer	RICOH IPSiO SP C831 PS	1	-
	ε 17	General Use	iMac 21.5 inch (OS X 10.11)	40	zmac040-079
		Printer	RICOH IPSiO SP C831 PS	1	-
	ι 18	General Use	iMac 21.5 inch (OS X 10.11)	40	zmac080-119
		Printer	RICOH IPSiO SP C831 PS	1	-
	ο 17	General Use	iMac 21.5 inch (OS X 10.11)	40	zmac120-159
		Printer	RICOH IPSiO SP C831 PS	1	-
	λ 11	CG/CAD/ Statistical analysis	HP Z440 (Windows 10)	45	ws00-44
			RICOH IPSiO SP C831 PS	1	-
	λ 18	Video Editing	iMac 27 inch (OS X 10.11)	40	hdmac00-39
			RICOH IPSiO SP C831 PS	1	-
λ 21	Music Composing	iMac 27 inch (OS X 10.11)	40	damac00-39	
		RICOH IPSiO SP C831 PS	1	-	

(As of Sep. 2016)

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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 when 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 authenticating “keio.jp” with a Keio ID, you can use the various services provided by Keio University. For example, you can use licensed software and KOSMOS My Library, and browse a database, electronic journals, grade reports, and official information of class cancellations and make up classes.

Also, for those who have a Keio ID already, please login to keio.jp and check for 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 Apps 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 a loss.

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Copyright Rules and Claims

01 Copyright

Redistributing someone else's copyrighted materials such as music, movies, and software without prior consent or legal agreement often results in infringement of copyrights. Those who have acted against the law will be disciplined by the University and face consequences.

02 Restriction on Use of P2P Softwares

University will not tolerate any act of sharing copyrighted materials over the CNS network in accordance with amendment of Japanese Copyright Law in 2012. For educational and research purposes, you may use P2P softwares if your registration form is given to and accepted by Shonan Fujisawa Campus.

For in-detailed information of "Use of File Sharing Software on Campus" and up-to-date information of peer-to-peer software regulation, visit:

⇒ http://www.sfc.itc.keio.ac.jp/en/software_fileshare.html

03 Plagiarism

All the reports, submissions by students to professors or staff must be the result of one's creation of his or her own. You may not write words taken from others work as if these are originally your thoughts and are expected to clearly credit the source of the documents or references.

Notice

Some content providers leave their right to work public, which is often referred as "Open Content." You may use their work without their authorization.

04 Copyright Infringement

Copyright is a legal right that a creator has, given by the country, on exclusive rights to use and distribution of their production. Any of the following acts is to be considered as infringement of copyright. You may not act against the law and should respect the creator's right and his/her production.

- Imitating or using the thoughts and language of another creator.
- Distributing music or movie files of other creators to the general public online.
- Exposing the records of TV programs or video-taped clips without authorization of the creator.

Rules, policies and notices produced by the government and municipal bodies are not subjected to copyright as they are documents of the general public.

05 Use of Open Content

Out of all the works that are exchanged over the internet, there are some where the creators has left the work to be shared. This kind of work is called "Open Content," and can be used with comparatively few restrictions.

Creators who permit their work to be used freely are releasing a lot of open content. Amongst these works there are those being distributed under the kinds of shared use agreements that you will see in the following sections. Make the most of open content but be sure that you understand and follow the terms of use.

06 Copyright of This Book

SFC-CNS is made possible by tremendous helps from many free software, publicly available documents, and public domain software.

To fulfill social responsibility, SFC CNS GUIDE 2016 English Edition will accept the reuse, based on policy below.

We will accept copying, translation, altering, modifying, quoting, printing, distributing, and selling based on regulations about redistribution.

07 Regulations About Redistribution of This Book

Please refer to this book as source and also state that this book allows secondary modification when you redistribute.

Questions are only accepted on-campus and author will not reply to questions from third parties.

You may read the web version of this book from the URL below:

⇒ <http://cns-guide.sfc.keio.ac.jp/>

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Tel. +81-466-49-3424

cns-guide-req@sfc.keio.ac.jp

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