

Quick Start Guide

Last Update: June 29, 2021.

How to login to RCCS frontend

Please register your SSH public key according to the information on ["How to set your password and put your public key" page](#). After that, login to frontend server "ccfep.ims.ac.jp" using your user ID (**three-letter ID**) and registered key.

If you don't have SSH key, instructions below might be helpful to you.

SSH Key Generation @Windows

(Login instruction also available.)

- ▶ [PuTTY \(PDF version\)](#)
- ▶ [Tera Term \(PDF version\)](#)
- ▶ [MobaXterm \(PDF version\)](#)

SSH Key Generation @OpenSSH env (Terminal.app (mac), Linux, Windows 10 PowerShell)

You can generate key by ssh-keygen command. Examples about Ed25519, ECDSA-521, ECDSA-384, ECDSA-256, RSA 4096 bits are shown below.

```
## Ed25519
$ ssh-keygen -t ed25519
```

```
## ECDSA-521
$ ssh-keygen -t ecdsa -b 521
```

```
## ECDSA-384
$ ssh-keygen -t ecdsa -b 384
```

```
## ECDSA-256
$ ssh-keygen -t ecdsa -b 256
```

```
## RSA 4096 bits
$ ssh-keygen -t rsa -b 4096
```

After the registration of public key (see above), you can login by executing command like "ssh (uid)@ccfep.ims.ac.jp".

File Transfer via SCP/SFTP

Before trying to transfer files, you should finish the SSH key generation and registration described above.

If you have trouble with keys created with PuTTY 0.75 ("PuTTY key format too new" error), please see [this page](#). (June 29, 2021) WinSCP 5.19 (or later) can use new PuTTY key format (PPK version 3).

Windows

- ▶ [WinSCP \(PDF version\)](#)

Windows, mac, Linux

- ▶ [FileZilla \(PDF version\)](#)

Others (OpenSSH)






scp/sftp commands can be used in Terminal.app(mac), Windows 10 PowerShell, Linux terminals. "sshfs" is also available.

Job Submission Guides

- ▶ [Sample Jobs \(pdf version\)](#)
- ▶ [Gaussian Job Submission using g16sub \(pdf version\)](#)
 - ▶ [sample Gaussian input file \(ch3cl.gjf\)](#)

Tips

- ▶ [Environment Setting with "module" command](#)
- ▶ For python environment, please check [Anaconda3](#) page.
 - ▶ GPU-enabled deep learning environments (Tensorflow + Keras, Chainer, PyTorch) are also available.
- ▶ [Gaussian YouTube Channel](#)
 - ▶ Official YouTube channel of Gaussian, Inc.

Attachment	Size
 putty_key_en.pdf	381.36 KB
 teraterm_key_en.pdf	579.31 KB
 mobaxterm_key_en.pdf	1.15 MB
 rccs_winscp_en.pdf	1.17 MB
 rccs_filezilla_en.pdf	545.78 KB

