File Transfer using WinSCP

National Institutes of Natural Sciences

Okazaki Research Facilities

Research Center for Computational Science (RCCS)

(Verified with WinSCP 6.1.2)

Changelog

- Jul. 11 2019   First version
- Feb 2 2021   Update
- Jan 5, 2022   Verified with WinSCP 5.19.5
- Jan 18, 2024   Verified with WinSCP 6.1.2 and update screenshots

Install WinSCP

WinSCP can be downloaded from the following site.
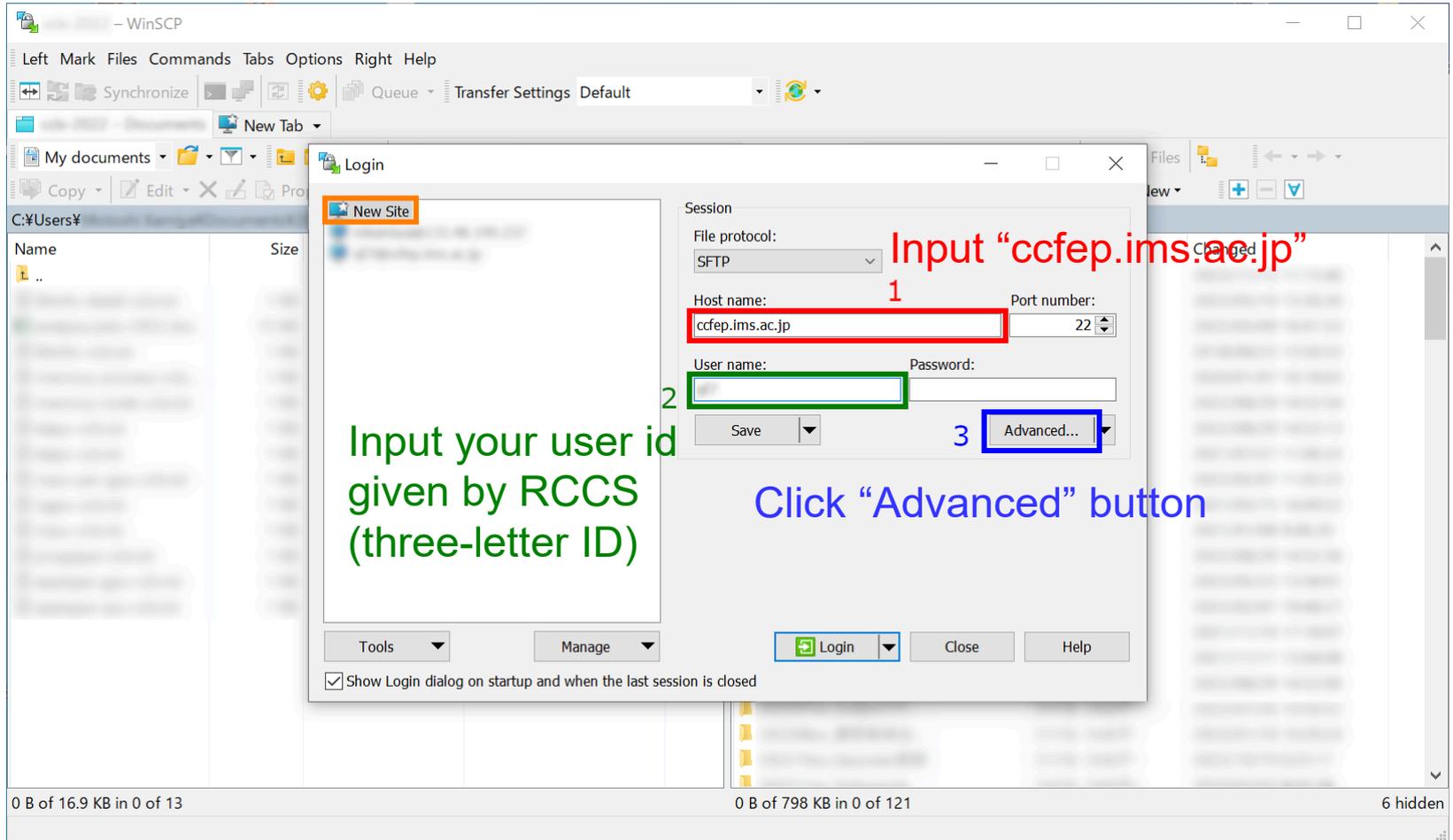
https://winscp.net

Please install WinSCP according to the instruction.

If you don't have SSH key, please check "SSH key creation / registration of public key" section of the quick start guide page (https://ccportal.ims.ac.jp/en/quickstartguide) and prepare it accordingly.

WinSCP setup (1)

Launch WinSCP and create a "new site" setting.

You don't need to fill password. (This is not a place for private key passphrase.)
If you manage your keys with Pageant, you can skip modification of advanced settings.

WinSCP setup (2)

Move to [SSH] -> [Authentication], then select private key file.

Advanced Site Settings

- Environment
  - Directories
  - Recycle bin
  - Encryption
  - SFTP
  - Shell
- Connection
  - Proxy
  - Tunnel
- SSH
  - Key exchange
  - **Authentication**
  - Bugs
- Note

1
Move to "Authentication"

☐ Bypass authentication entirely

Authentication options
☑ Attempt authentication using Pageant
☑ Attempt 'keyboard-interactive' authentication
☑ Respond with a password to the first prompt

Specify private key (ppk)
(if OpenSSH key (including Tera Term key)
given, WinSCP converts it to PuTTY formt.)

Authentication parameters
☐ Allow agent forwarding
Private key file:
C:¥ .... .ppk [...] **2**

[Display Public Key]   [Tools ▼]

Certificate to use with the private key:
[   ] [...]

GSSAPI
☑ Attempt GSSAPI authentication
☐ Allow GSSAPI credential delegation

"Click OK"
3

[Color ▼]   [OK]   [Cancel]   [Help]

WinSCP setup (3)

You can try to login now, but you might want to save configuration at this stage.

1 Save configuration (if necessary)

2 Let's login!
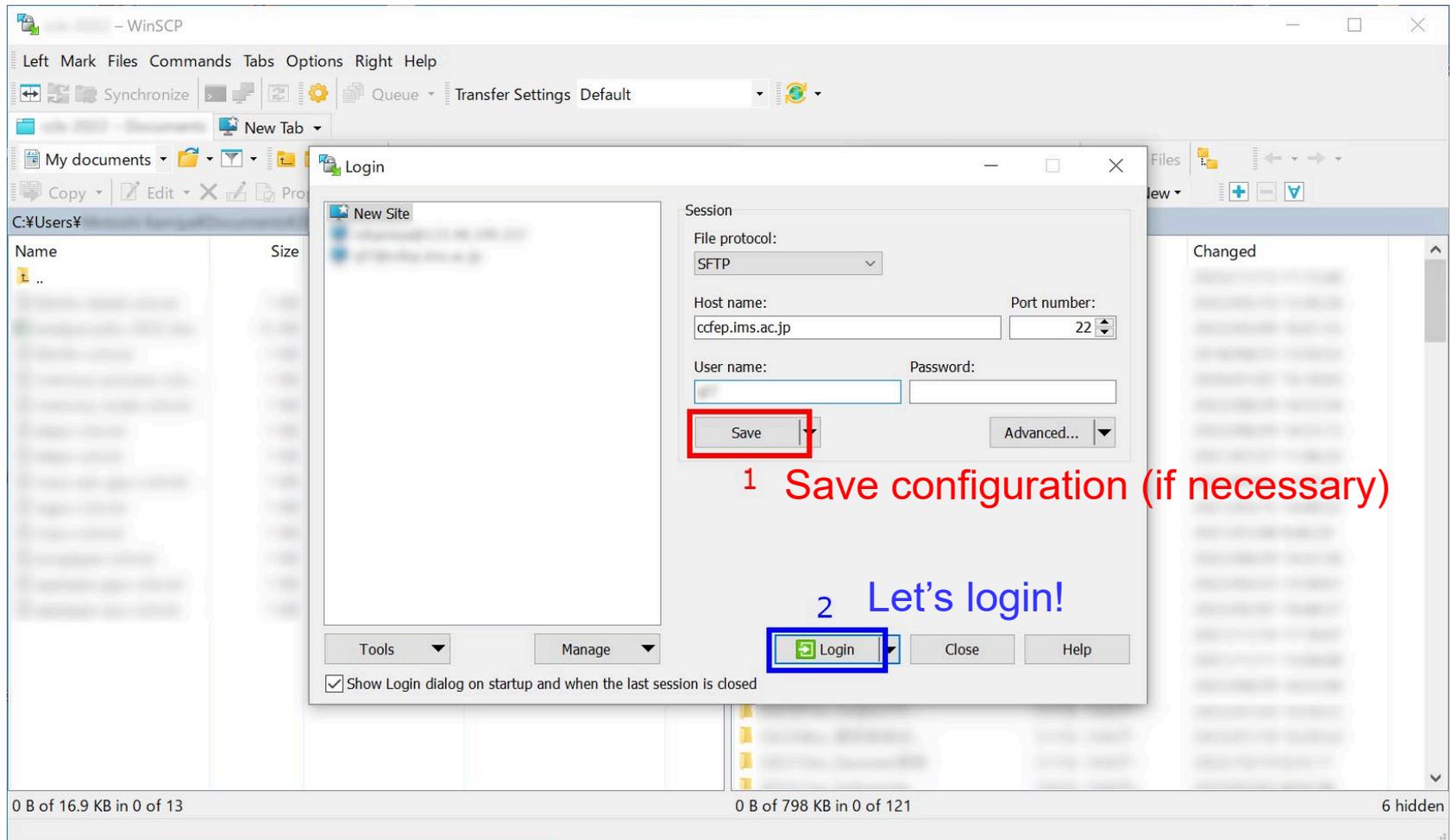
WinSCP setup (4)
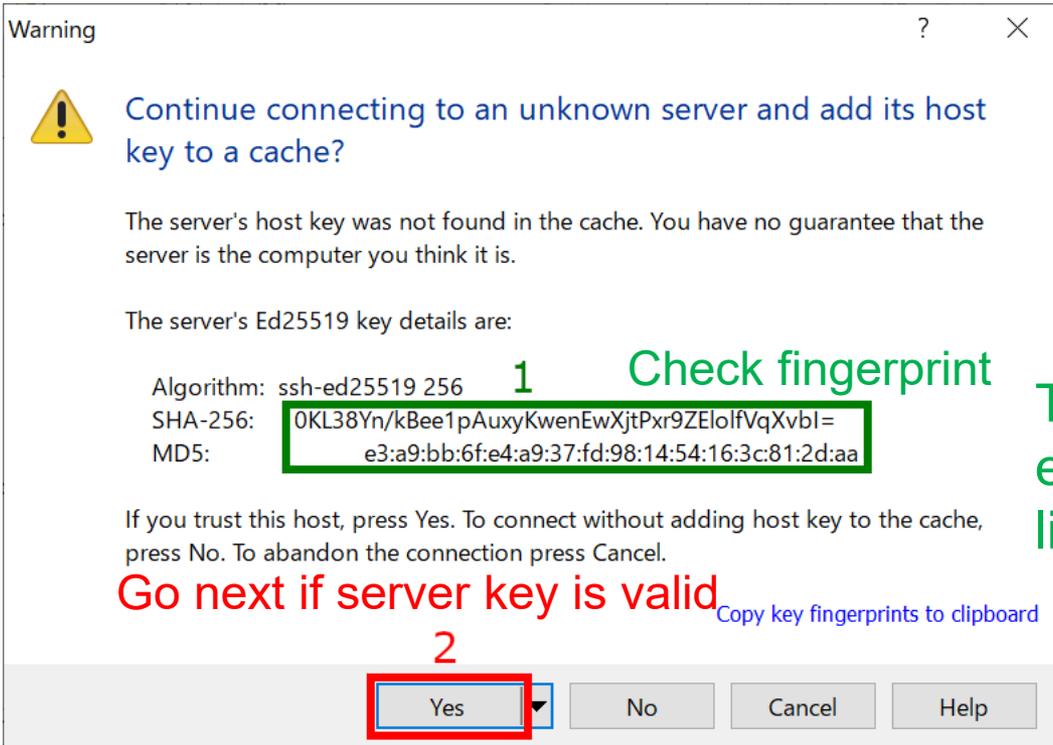
Upon first connection, alert message will be shown.

Check fingerprint

This must match with either of the fingerprint listed below.

Go next if server key is valid

Fingerprints of valid server keys

- wnEM30z4AxyDJ9XI/DdGr2PlNeoivFRR8v5krXHEmdU (SHA256)
- 0KL38Yn/kBee1pAuxyKwenEwXjtPxr9ZElolfVqXvbI (SHA256)
- Nhg+9Lgj3XeuW//A/j7jqgUJlIxWehryCtStIp1Dirs (SHA256)

- ad:de:79:30:81:b0:b1:6a:17:f5:6f:ea:f4:b4:3b:de (MD5)
- e3:a9:bb:6f:e4:a9:37:fd:98:14:54:16:3c:81:2d:aa (MD5)
- 07:7e:df:7b:16:47:a8:f5:7c:48:b0:a3:d3:86:71:6a (MD5)

WinSCP setup (5)

Once connection established, you will be asked private key passphrase.
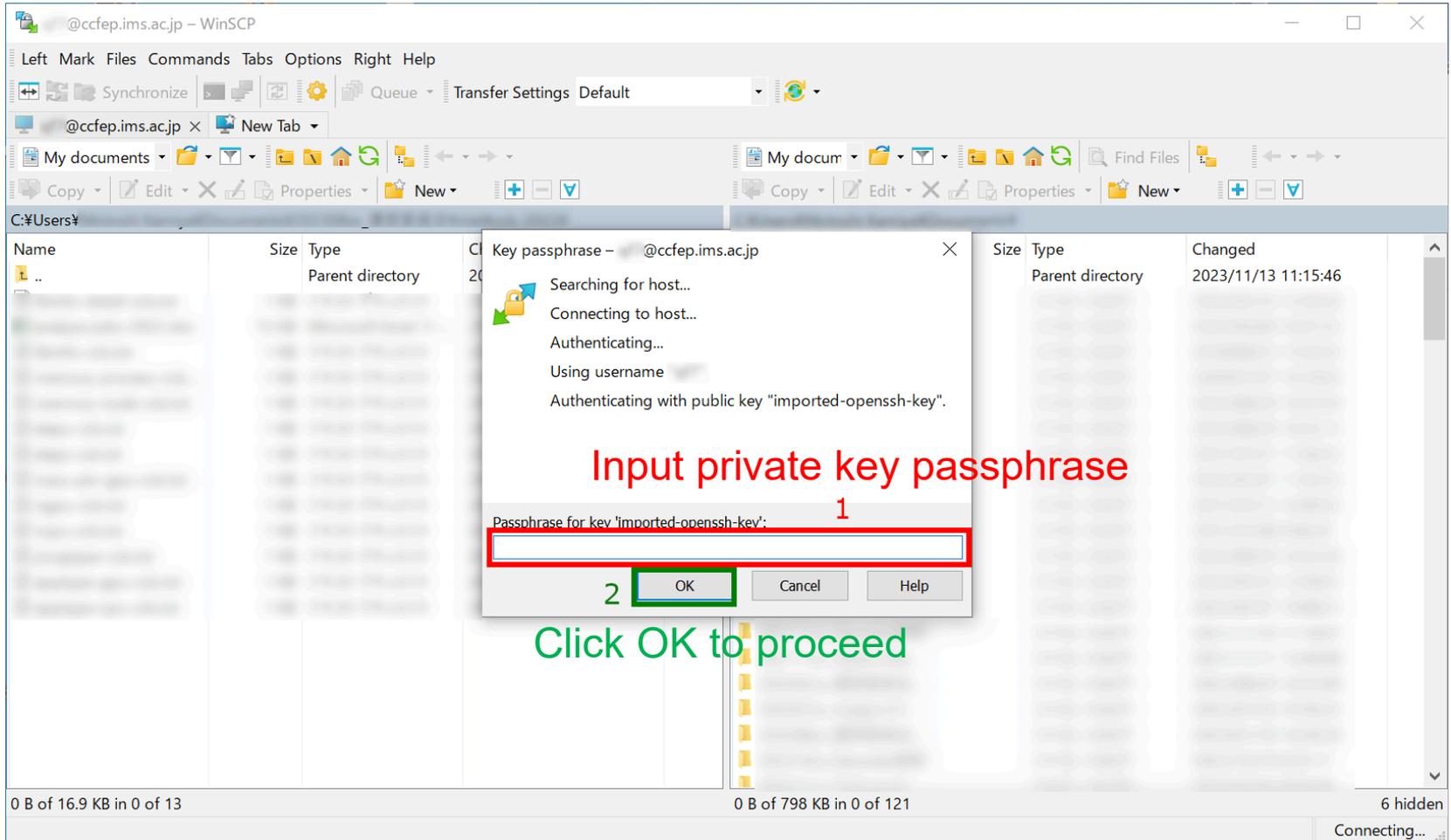
(This step can be skipped if your key is correctly managed by Pageant.)

WinSCP setup (6)

If everything works fine, you can successfully login to RCCS.