# File Transfer using FileZilla

National Institutes of Natural Sciences Okazaki Research Facilities Research Center for Computational Science (RCCS)

(Verified with FileZilla 3.66.4)

# **Changelog**

- Jul. 12, 2019 First version
- Feb 8, 2021 Updates
- Jan 5, 2022 Verified with FileZilla 3.57.0
- Jun 2, 2023 Minor fix
- Jan 18, 2024 Verified with FileZilla 3.66.4

### Install FileZilla

FileZilla can be downloaded from the following site.

https://filezilla-project.org/download.php?type=client

Install the client package suitable for your environment (OS etc.).

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

# FileZilla setup (1)

Launch FileZilla and open "Site Manager".



If you want to use Quickconnect: select [Edit] -> [Settings] menu and add your key at [SFTP] section (or use Pageant), and then try quickconnect, where host should be sftp://ccfep.ims.ac.jp.

### FileZilla setup (2)

Create a new site in Site Manager.

Site Manager		>	<
Select Entry:		General Advanced Transfer Settings Charset	
My Sites		Protocol: FTP - File Transfer Protocol ~	
		Host: Port:	
		Encryption: Use explicit FTP over TLS if available	
		Logon Type: Ask for password V	
		User:	
		Password:	
		Background color: None ~	
Click		Comments:	
New Site	New Folder	^	
New Bookmark	Rename		
Delete	Duplicate	×	
		Connect OK Cancel	

# FileZilla setup (3)

#### Input information of RCCS login server.

Site Manager	×			
Select Entry:	General Advanced Transfer Settings Charset 2 Select SFTP			
My Sites	Protocol: SFTP - SSH File Transfer Protocol			
1 Give some name	Host: ccfep.ims.ac.jp Port:			
(can be omitted)	3 Input ccfep.ims.ac.jp <u> </u>			
	Logon Type: Key file V			
	User: 5 RCCS user ID (three-letter ID)			
	Key id_rsa.ppk Browse			
	6 Specify PuTTY type private key file.			
	Background color: (But if OpenSSH key (Tera Term also			
	<sup>Comments:</sup> will convert it to PuTTY type.)			
New Site New Folder				
New Bookmark Rename				
Delete Duplicate	~			
7 Click to connect				
	Connect OK Cancel			

# FileZilla setup (4)

Upon first connection, alert window will be shown.

(If you accessed using PuTTY in advance, this would not be shown.)

Unknown host key	×
<ul> <li>The server's host key is unknown. You have no guarantee that the server is the computer you think it is.</li> <li>Details</li> <li>Host: ccfep.ims.ac.jp:22</li> <li>Hostkey algorithm:ssh-ed25519 256 1</li> <li>Fingerprints: SHA256 0KL38Yn/kBee1pA MD5:e3:a9:bb:6f:e4:a9:37:f</li> </ul>	Check if the server key fingerprints are valid. (Valid keys are listed below.) Please check at least either of two fingerprints.
Trust this host and carry on connecting?	che 3 Click to continue
Check this to register	OK Cancel

as trusted host. (if fingerprint is OK)

- wnEM30z4AxyDJ9XI/DdGr2PINeoivFRR8v5krXHEmdU (SHA256)
- OKL38Yn/kBee1pAuxyKwenEwXjtPxr9ZElolfVqXvbI (SHA256)

**Fingerprints** · Nhg+9Lgj3XeuW//A/j7jqgUJllxWehryCtStIp1Dirs (SHA256)

of valid

- ad:de:79:30:81:b0:b1:6a:17:f5:6f:ea:f4:b4:3b:de (MD5)
- server keys . 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)

### FileZilla setup (5)

Then, you will be asked for private key passphrase.

<b>F</b> rccs - sftp:// @ccfep.ims.ac.jp	- FileZilla	- 🗆 X
File Edit View Transfer Server B	ookmarks Help	
· · · · · · · · · · · · · · · · · · ·	😢 🗽 🐨 🗐 🔍 🤗 🦚	
Host: Usernan	e: Password: Port: Quickconnect	t 💌
Status: Connecting to ccfep.ims.	ic.jp	^
	Enter password ×	~
Local site: C:¥Users	Please enter a password for this server:	~
B → Default → Default User → Default User → Default User	Name: rccs Host: ccfep.ims.ac.jp User: Challenge:	
⊞-  Windows           Filename         Filesize         Filetype	Passphrase for key in key file "C:¥Users: Last mod	I Permis Owner
I	t connected to	o any server
	Password: 1 Input private	e key passphras
8 files and 31 directories. Total size: 8	,160,076 bytes 2 Not connected.	
Server/Local file Dire Remo	te file Size Prio Status	
Queued files Failed transfers S	iccessful transfers	
		) Queue: empty

### FileZilla setup (6)

#### Finally, you can access to RCCS login server via SFTP.

