



東京大学  
THE UNIVERSITY OF TOKYO



東京大学情報基盤センター  
INFORMATION TECHNOLOGY CENTER, THE UNIVERSITY OF TOKYO

# Wisteria/BDEC-01 (Odyssey)

## How to login

Information Technology Center  
The University of Tokyo

If you have any questions, please contact Kengo  
Nakajima at [nakajima\(at\)cc.u-tokyo.ac.jp](mailto:nakajima(at)cc.u-tokyo.ac.jp)  
Please DO NOT contact official support site

# Before Accessing Odyssey ...

- **Please make sure that:**
  - the OS of your PC is the most updated version
  - proper anti-virus software with the most updated version is installed to your PC
- **If you have NOT received info-1/info-2 e-mail's from me (although you have officially registered for this class through UTAS), please contact me through chat**

- Supercomputers in ITC/U.Tokyo
  - Information Technology Center, The University of Tokyo
- Login to Odyssey
- After Login

- Supercomputers in ITC/U.Tokyo
  - Information Technology Center, The University of Tokyo
- **Login to Odyssey**
- After Login

# Login to Odyssey

- SSH Public Key Authentication (SSH公開鍵認証, SSH=Secure Shell): Safer than Password Authentication
- Procedures
  - **Windows: Cygwin, Mac: Unix: Terminal**
  - ① Creating Keys (Private Key, Public Key) on PC
    - **Passphrase**: Password for SSH Public Key Authentication
    - **“Empty Passphrase” is prohibited**
    - If you have already created keys on your PC before, you can skip ① (Please make sure it is with “passphrase”)
  - ② Accessing the Portal Site
    - **User ID (t87XYZ)** and **“Initial Password with 8-Characters”** (Info-1/Info-2)
    - You are requested to change **Password** after accessing the portal site
      - Several rules for number of characters, combinations etc.
  - ③ Registration of the Public Key through the Portal Site
    - ② and ③ are essential, even if you have already had UID's on Odyssey
  - ④ Login to Odyssey by ssh

# ① Creating Keys on PC (1/3)

```
$ ssh-keygen -t rsa
```

Generating public/private rsa key pair.

Enter file in which to save the key (/home/user/.ssh/id\_rsa):

<Return↓>

Enter passphrase (empty for no passphrase): **Your Favorite Passphrase**

<Return↓>

Enter same passphrase again: **Same Passphrase**

<Return↓>

Your identification has been saved in /home/user/.ssh/id\_rsa.

Your public key has been saved in /home/user/.ssh/id\_rsa.pub.

The key fingerprint is:

SHA256:vt880+PTcscHk0yabvxGjeRsMWLAWds+ENsDcReNwKo nakajima@KNs-NEW-VAIO

The key's randomart image is:

```
+---[RSA 2048]---+
|                 |
|  . 0=00. 0+    |
|  + 0...  .    |
|  .+0+       |
|  .+0B       |
|  So *0*     |
|  .E  B. 0    |
|  .. = . 0    |
|  . =0B 0  +   |
|  .+0+*0 ..   |
|                 |
+---[SHA256]-----+
```

## Procedures

- **ssh-keygen -t rsa <Return↓>**
- **<Return↓>**
- **Your Favorite Passphrase <Return↓>**
- **Same Passphrase <Return↓>**
- **“Empty Passphrase” is prohibited**

# ① Creating Keys on PC (1/3)

```
$ ssh-keygen -t rsa
```

Generating public/private rsa key pair.

Enter file in which to save the key (/home/user/.ssh/id\_rsa):

<Return↓>

Enter passphrase (empty for no passphrase): **Your Favorite Passphrase**

<Return↓>

Enter same passphrase again: **Same Passphrase**

<Return↓>

Your identification has been saved in /home/user/.ssh/id\_rsa.

Your public key has been saved in /home/user/.ssh/id\_rsa.pub.

The key fingerprint is:

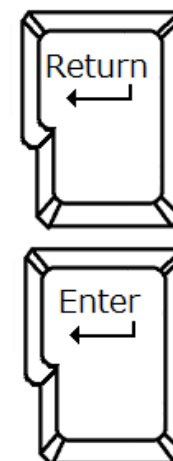
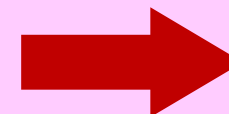
SHA256:vt880+PTcscHk0yabvxGjeRsMWLAWds+ENsDcReNwKo nakajima@KNs-NEW-VAIO

The key's randomart image is:

```
+---[RSA 2048]---+
|                |
|  . 0=00. 0+    |
| + 0...  .      |
|  .+0+         |
|  .+0B         |
| So *0*        |
| .E   B. 0     |
|  .  =  . 0    |
|  . =0B 0  +   |
|  .+0+*0 ..    |
|                |
+---[SHA256]-----+
```

<Return↓>

<Return↓>



# ① Creating Keys on PC (1/3)

```
$ ssh-keygen -t rsa
```

Generating public/private rsa key pair.

Enter file in which to save the key (/home/user/.ssh/id\_rsa):

<Return↓>

Enter passphrase (empty for no passphrase): **Your Favorite Passphrase**

<Return↓>

Enter same passphrase again: **Same Passphrase**

<Return↓>

Your identification has been saved in /home/user/.ssh/id\_rsa.

Your public key has been saved in /home/user/.ssh/id\_rsa.pub.

The key fingerprint is:

SHA256:vt880+PTcscHk0yabvxGjeRsMWLAWds+ENsDcReNwKo nakajima@KNs-NEW-VAIO

The key's randomart image is:

```
+---[RSA 2048]---+
|             |
|  . 0=00. 0+  |
|  + 0. . . .  |
|  .+0+.       |
|  +oB.        |
| So *o*       |
| .E   B. o    |
|  .  = .  o   |
|  . =oB o  +  |
|  .+o+*0 . .  |
+---[SHA256]-----+
```

## Procedures

- **ssh-keygen -t rsa <Return↓>**
- **<Return↓>**
- **Your Favorite Passphrase <Return↓>**
- **Same Passphrase <Return↓>**
- **“Empty Passphrase” is prohibited**

# ① Creating Keys on PC (2/3)

```
$ cd ~/.ssh
```

```
$ ls
```

```
id_rsa
```

⇒秘密鍵 (Private Key)

```
id_rsa.pub
```

⇒公開鍵 (Public Key)

```
$ cat id_rsa.pub
```

```
ssh-rsa
```

```
AAAAB3NzaC1yc2EAAAADAQABAAQDA6Inm0YYaCrWjQDukjiNEfdW8veUwJyZtEI3oDu0A28  
eey6p0wbtI7JB09xnI1707HG4yYv0M81+/nIAHy5tAfJly0dsPzjTgdTBLdgi3cSf5pWEY6U96  
yaEr0Ei8Wge1HkXrhcwUjGDVTzvT0Refe6zLdRziL/KNmmesSQfR5lsZ/ihsjMgFxGaKsHHq/I  
ErCtHIIIf9V/Ds2yj6vkAaWH6asBn+ZsRiRFvwHPhkYAnp/j3LY6b8Qfqg0p4WZRenh/HgySWT  
YIGi8x67VzMaUIm9qIK0QFMCaK2riviX1fmbwyWJ/vrWDqiek6YXoxLDu+GPeQ4CPvxJcZnqF9g  
f3 nakajima@KNs-NEW-VAIO
```

# ① Copying the Public Key (3/3)

```
$ cd .ssh
```

```
$ ls
```

```
id_rsa
id_rsa.pub
```

```
$ cat id_rsa.pub
```

```
ssh-rsa
```

```
AAAAB3NzaC1yc2EAAAADAQABAAQDA6Inm0YYaCrWjQDukjiNEfdW8veUwJyZtEI3oDu0A28
eey6p0wbtI7JB09xnI1707HG4yYv0M81+/nIAHy5tAfJly0dsPzjTgdTBLdgi3cSf5pWEY6U96
yaEr0Ei8Wge1HkXrhcwUjGDVTzvT0Refe6zLdRziL/KNmmesSQfR5lsZ/ihsjMgFxGaKsHHq/I
ErCtHIIIf9V/Ds2yj6vkAaWH6asBn+ZsRiRFvwHPhkYAnp/j3LY6b8Qfqg0p4WZRenh/HgySWT
YIGi8x67VzMaUlm9qIK0QFMCaK2riVX1fmbwyWJ/vrWDqiek6YXoxLDu+GPeQ4CPvxJcZnqF9g
f3 nakajima@KNs-NEW-VAIO
```

## Procedures

- **cat id\_rsa.pub <Return↓>**
- setting the cursor on “ssh-rsa”
- selecting from “ssh-rsa” to “f3” on the last line and “copy”
- **You can include “nakaima@KNs-NEW-VAIO”, but registration may fail if multi-byte characters are there (This info. may not appear in certain OS)**

## ② Accessing the Portal Site (1/3)

- Please prepare 2 e-mails from me
- Info-1
  - User ID: t87XYZ
- Info-2
  - Initial Password (8-Characters): e.g. Pas#w0rd

# System Information/Portal Site

- 日本語
  - <https://wisteria-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal.ja/index.cgi>
  - <https://www.cc.u-tokyo.ac.jp/supercomputer/wisteria/service/>
- English
  - <https://wisteria-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal.en/index.cgi>

## ② Accessing the Portal Site (2/3)

<https://wisteria-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal.en/index.cgi>

The screenshot shows a web browser window with the title "Oakbridge-CX User Portal". The address bar displays the URL <https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal.en/index.cgi>. The page content is titled "Wisteria User Portal" and includes a language selector "[ English / Japanese ]" and a "Login" link. The main login section is titled "Login" and contains the instruction "Enter user ID and password then click [Login] button". There are two input fields: "user ID" and "password:". The "user ID" field is highlighted with a red box, and the "password:" field is highlighted with an orange box. Below the "user ID" field, there is a pink box containing the text "User ID (t87XYZ)". Below the "password:" field, there is a yellow box containing the text "Initial Password with 8 Characters". A "Login" button is located below the "user ID" field, and a "Reset" button is located below the "password:" field. At the bottom of the page, there is a footer that reads "Copyright 2019 FUJITSU LIMITED".

Oakbridge-CX スーパーコンピュータ × Oakbridge-CX User Portal × +

← → ↻ 🏠 🔒 https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal.en/index.cgi ... 🛡️ ☆ ⬇️ 📖 📄 📡

Wisteria User Portal

[ English / Japanese ]

Login

Login

Enter user ID and password then click [Login] button

user ID password: Login Reset

Please

User ID (t87XYZ)

Initial Password with 8 Characters

- Su

- Internet Explorer 11 and over
- Microsoft Edge 44 and over
- Safari 12.0.2 and over
- Firefox 66 and over
- Google Chrome 72 and over

Copyright 2019 FUJITSU LIMITED

15:00 2020/04/12

## ② Changing Initial Password (2/3)

Oakbridge-CX User Portal

https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal\_u.en/index.cgi

Wisteria User Portal

Logout

Information

SSH Public Key

E-mail

Password

Token usage

Disk usage

Prepost reservation

Document

OSS

### Change Password

Only Oakbridge-CX User Portal password is supported by this function.

Current password

New password

New password(re-enter)

Change

Initial Password (8 Char's)

Type New Password (Twice)

### Password Policy

- ✓ at least eight characters in length
- ✓ should not contain three or more characters from current password
- ✓ should not be the same as the past 2 times.
- ✓ should contain all character types of lower case letters, upper case letters, arabic numbers, and special characters
- ✓ special characters can be used are as follow:  
blank, !, ", #, \$, %, &, ', (, ), \*, +, ,, -, ., /, :, ;, <, =, >, ?, @, [, ¥, ], ^, \_, ` , {, |, }, ~,
- ✓ not a name or linux dictionary word
- ✓ do not contain multi-byte characters

# ③ Registration of the Public Key (id\_rsa.pub)

Oakbridge-CX スーパーコンピュータ X Oakbridge-CX User Portal X

https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal\_u.en/index.cgi

Wisteria User Portal Logout

Information  
SSH Public Key  
E-mail  
Password  
Token usage  
Disk usage  
Prepost reservation  
Document  
OSS

SSH Public Key

Registered Public-keys Kengon@Kengon-VAIO

Registration Method  
☒ Direct Input  
☐ File Upload

1. Select "SSH Public Key" Menu  
2. Paste the "id\_rsa.pub"  
3. Click "Register"

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDA6InmOYYaCrWjQDukjiNEfdW8veUwJ
yZtEI3oDu0A28eey6p0wbtI7JB09xnI1707HG4yYvOM81+/nIAHy5tAfJly0d
sPzjTgdTBLdgi3cSf5pWEY6U96yaErOEi8Wge1HkXrhcwUjGDVTzvT0Ref6z
LdRziL/KNmmesSQfR5lsZ/ihsjMgFxGaKsHHq/IErCtHIIIf9V/Ds2yj6vkAa
WH6asBn+ZsRiRFvwHPhkYAnp/j3LY6b8QfqgOp4WZRenh/HgySWTYIGi8x67V
zMaUlm9qIKOQFMCaK2rivX1fmbwyWJ/vrWDqiek6YXoxLDu+GPeQ4CPvxJcZn
qF9gf3
```

Register

Notice for registering public-key.  
\* Line feed codes should not be included.

Copyright 2019 FUJITSU LIMITED

15:05  
2020/04/12

# ③ Registration of the Public Key (id\_rsa.pub): Direct Upload (1/4)

Oakbridge-CX User Portal

Wisteria User Portal

Group Manage

Logout

Information

SSH Public Key

E-mail

Password

Token usage

Disk usage

Prepost reservation

Document

OSS

Registered Public-keys

Kengon@Kengon-VAIO

ssh

Registration Method

☐ Direct Input

☒ File Upload

SSH Public-key

参照... ファイルが選択されていません。

☒ RSA ☐ DSA ☐ ECDSA256 ☐ Ed25519

Register

Notice for registering public-key.

- \*Select appropriate method of encryption.
- \*RSA Public-key should be encrypted with 2048 bit.
- \*DSA Public-key should be encrypted with 2048 bit.
- \*ECDSA Public-key should be encrypted with 256 bit.
- \*Ed25519 Public-key should be encrypted with 256 bit.
- \*Invalid code such as full-length codes should not be included.

②: File Upload

③: RSA

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# ③ Registration of the Public Key (id\_rsa.pub): Direct Upload (2/4)

Oakbridge-CX User Portal

Wisteria User Portal

Group Manage

Logout

Information

SSH Public Key

E-mail

Password

Token usage

Disk usage

Prepost reservation

Document

OSS

Registered Public-keys

|                    |                                   |    |    |
|--------------------|-----------------------------------|----|----|
| Kengon@Kengon-VAIO | ssh-rsa AAAAB3NzaC.....pWGVie6w== | 表示 | 削除 |
|--------------------|-----------------------------------|----|----|

Registration Method

☐ Direct Input  
☒ File Upload

SSH Public-key

参照... ファイルが選択されていません。

☒ RSA ☐ DSA ☐ ECDSA256 ☐ Ed25519

ファイルが選択されていません。

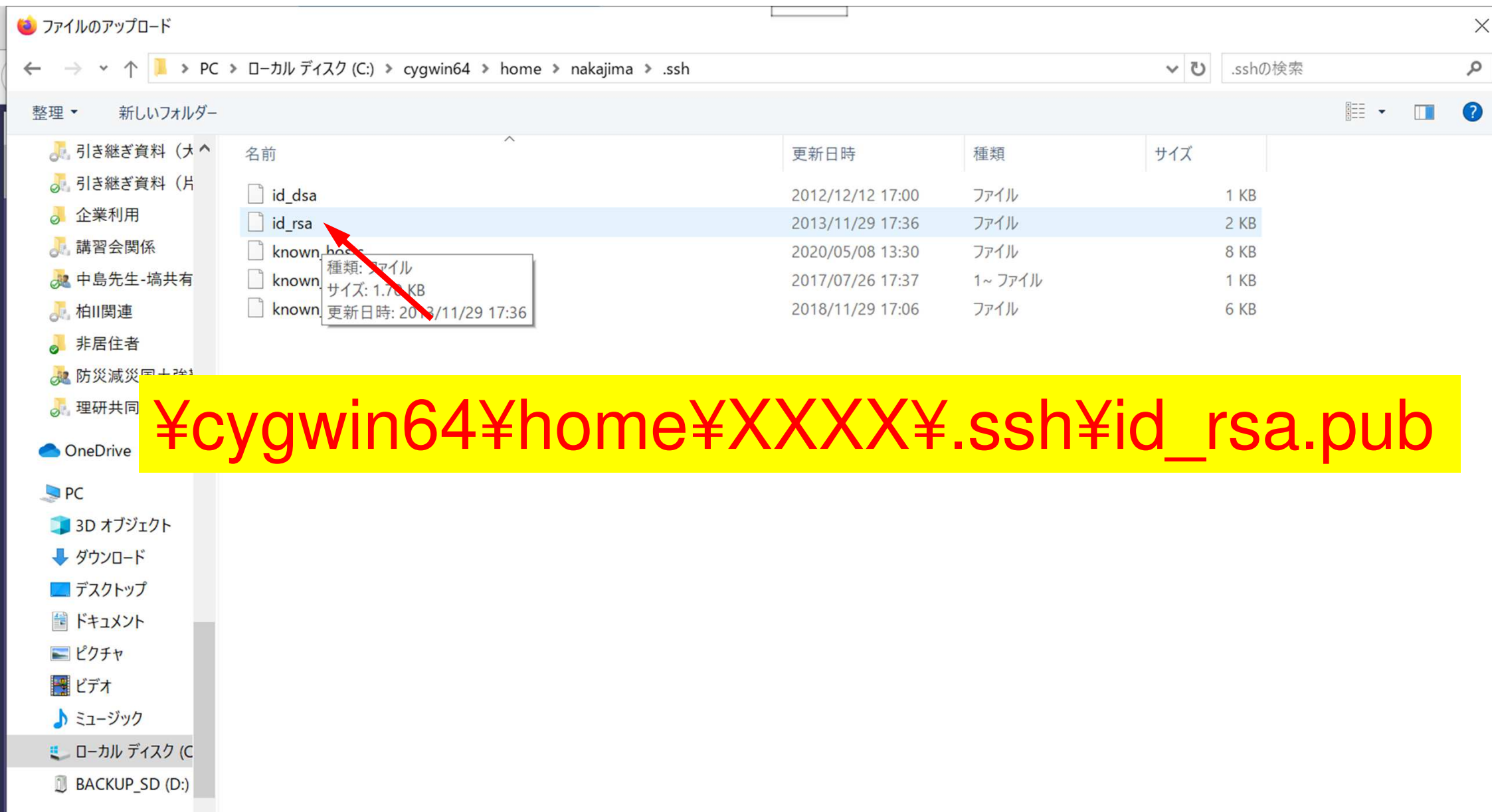
Register

Notice for registering public-key.

- \*Select appropriate method of encryption (RSA or DSA or ECDSA or Ed25519.)
- \*RSA Public-key should be encrypted with over 2048 bit.
- \*DSA Public-key should be encrypted with over 1024 bit.
- \*ECDSA Public-key should be encrypted with 256 or 384 or 521 bit.
- \*Ed25519 Public-key should be encrypted with 256 bit.
- \*Invalid code such as full-length codes should not be included.

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# ③ Registration of the Public Key (id\_rsa.pub): Direct Upload (3/4)



# ③ Registration of the Public Key (id\_rsa.pub): Direct Upload (4/4)

The screenshot shows the Wisteria User Portal interface. The browser address bar displays the URL: [https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal\\_gm.en/index.cgi](https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal_gm.en/index.cgi). The page title is "Wisteria User Portal" with a "Group Manage" link and a "Logout" button.

The left sidebar contains the following navigation links: Information, SSH Public Key (selected), E-mail, Password, Token usage, Disk usage, Prepost reservation, Document, and OSS.

The main content area is titled "SSH Public Key". It contains a table of registered public keys and a registration form.

| Registered Public-keys                  | Kengon@Kengon-VAIO                                                                                                                                                                                                                       | ssh-rsa AAAAB3NzaC.....pWGVie6w== | 表示 | 削除 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----|----|
| Registration Method                     | <input type="radio"/> Direct Input<br><input checked="" type="radio"/> File Upload                                                                                                                                                       |                                   |    |    |
| SSH Public-key                          | <input type="button" value="参照..."/> id_rsa<br><input checked="" type="radio"/> RSA <input type="radio"/> DSA <input type="radio"/> ECDSA256 <input type="radio"/> ECDSA384 <input type="radio"/> ECDSA521 <input type="radio"/> Ed25519 |                                   |    |    |
| <input type="button" value="Register"/> |                                                                                                                                                                                                                                          |                                   |    |    |

Notice for registering public-key.  
\*Select appropriate method of encryption (RSA or DSA or ECDSA or Ed25519.)  
\*RSA Public-key should be encrypted with over 2048 bit.  
\*DSA Public-key should be encrypted with over 1024 bit.  
\*ECDSA Public-key should be encrypted with 256 or 384 or 521 bit.  
\*Ed25519 Public-key should be encrypted with 256 bit.  
\*Invalid code such as full-length codes should not be included.

A red arrow points to the "Register" button.

## ④ Login to Odyssey from PC (1/2) Initial

```
$ ssh t87XYZ@wisteria.cc.u-tokyo.ac.jp
```

Return

The authenticity of host 'wisteria.cc.u-tokyo.ac.jp' can't be established.  
ECDSA key fingerprint is SHA256:/XXXXX ...

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Return

Warning: Permanently added 'wisteria.cc.u-tokyo.ac.jp' to the list of known hosts.

Enter passphrase for key '/home/nakajima/.ssh/id\_rsa':

Your Passphrase

Return

1. `ssh t87XYZ@wisteria.cc.u-tokyo.ac.jp` <Return>
2. `yes` <Return>
3. `Your Passphrase` <Return>

## ④ Login to Odyssey from PC (1/2) after 2<sup>nd</sup> Login

\$ ssh t80XYZ@wisteria.cc.u-tokyo.ac.jp 

Enter passphrase for key '/home/nakajima/.ssh/id\_rsa':  

1. ssh t87XYZ@wisteria.cc.u-tokyo.ac.jp <Return>
2.  <Return>

# ④ Login to Odyssey from PC (2/2)

Wisteria/BDEC-01 Information

Date: May. 14, 2021

Welcome to Wisteria/BDEC-01 system

## \* Operation Schedule

|             |       |   |             |       |                         |
|-------------|-------|---|-------------|-------|-------------------------|
| 05/14 (Fri) | 10:00 | – | 05/28 (Fri) | 09:00 | Normal Operation        |
| 05/24 (Mon) | 09:00 | – | 05/24 (Mon) | 17:00 | HPC Challenge (Odyssey) |
| 05/28 (Fri) | 09:00 | – | 05/28 (Fri) | 22:00 | System Maintenance      |
| 05/28 (Fri) | 22:00 | – |             |       | Normal Operation        |

Schedule of future maintenance etc. will be displayed

For more information about this service, see  
<https://www.cc.u-tokyo.ac.jp/supercomputer/schedule.php>

## \* How to use

Users Guide can be found at the User Portal (<https://wisteria-www.cc.u-tokyo.ac.jp/>).

If you have any questions, please refer to the following URL and contact us:

<https://www.cc.u-tokyo.ac.jp/supports/contact/>

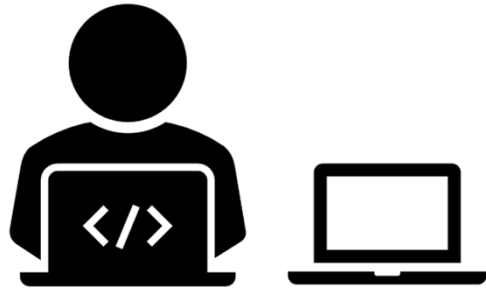
Please DO NOT contact this URL if you have questions

Last login: Mon May 17 10:04:54 2021 from 133.11.59.131

[t87XYZ@wisteria06 ~]\$

# SSH Public Key Authentication (1/4)

## ① Creating Keys on PC



```
$> ssh-keygen -t rsa
```

**id\_rsa**

秘密鍵/Private Key

+ Passphrase

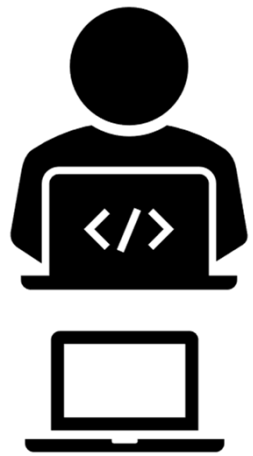
**id\_rsa.pub**

公開鍵/Public Key



# SSH Public Key Authentication (2/4)

## ② Accessing the Portal Site



**tXYZZZ**  
+ Password

Portal Site  
OBCX



**id\_rsa**  
秘密鍵/Private Key

+ Passphrase



**tABCCC**  
+ Password

Portal Site  
Wisteria

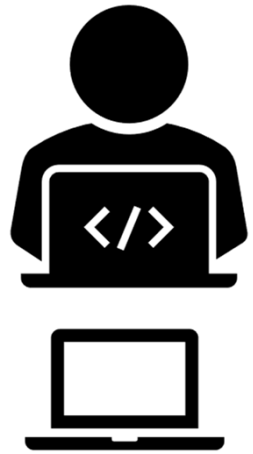


**id\_rsa.pub**  
公開鍵/Public Key

# SSH Public Key Authentication (3/4)

## ③ Registration of the Public Key

Each Public Key can be installed to multiple systems



**id\_rsa**  
秘密鍵/Private Key

+ Passphrase

**id\_rsa.pub**  
公開鍵/Public Key



Portal Site  
OBCX



**id\_rsa.pub**  
公開鍵/Public Key



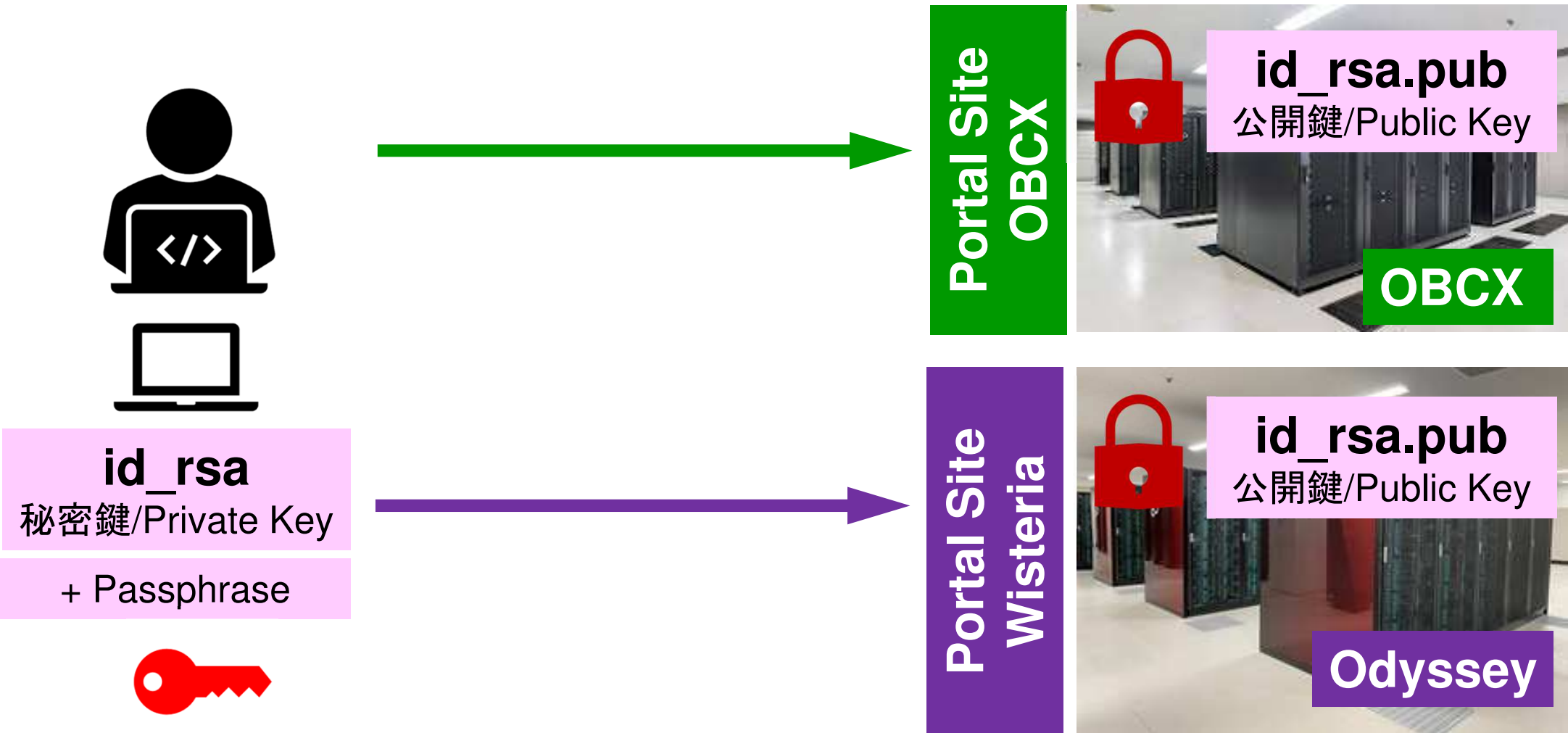
Portal Site  
Wisteria



# SSH Public Key Authentication (3/4)

## ③ Registration of the Public Key

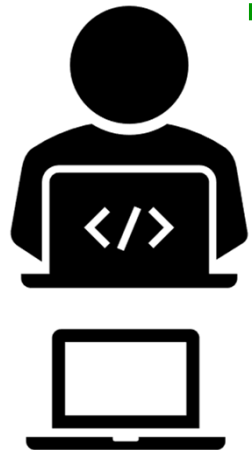
Each Public Key can be installed to multiple systems



# SSH Public Key Authentication (4/4)

## ④ Login to Odyssey etc. from PC

Private Key (id\_rsa) + Passphrase



```
$> ssh tXYZZZ@obcx.cc.u-tokyo.ac.jp
```

**id\_rsa**

秘密鍵/Private Key

+ Passphrase



```
$> ssh tABCCC@ofp.jcahpc.jp
```

**id\_rsa**

秘密鍵/Private Key

+ Passphrase



# SSH Public Key Authentication

## SSH公開鍵認証

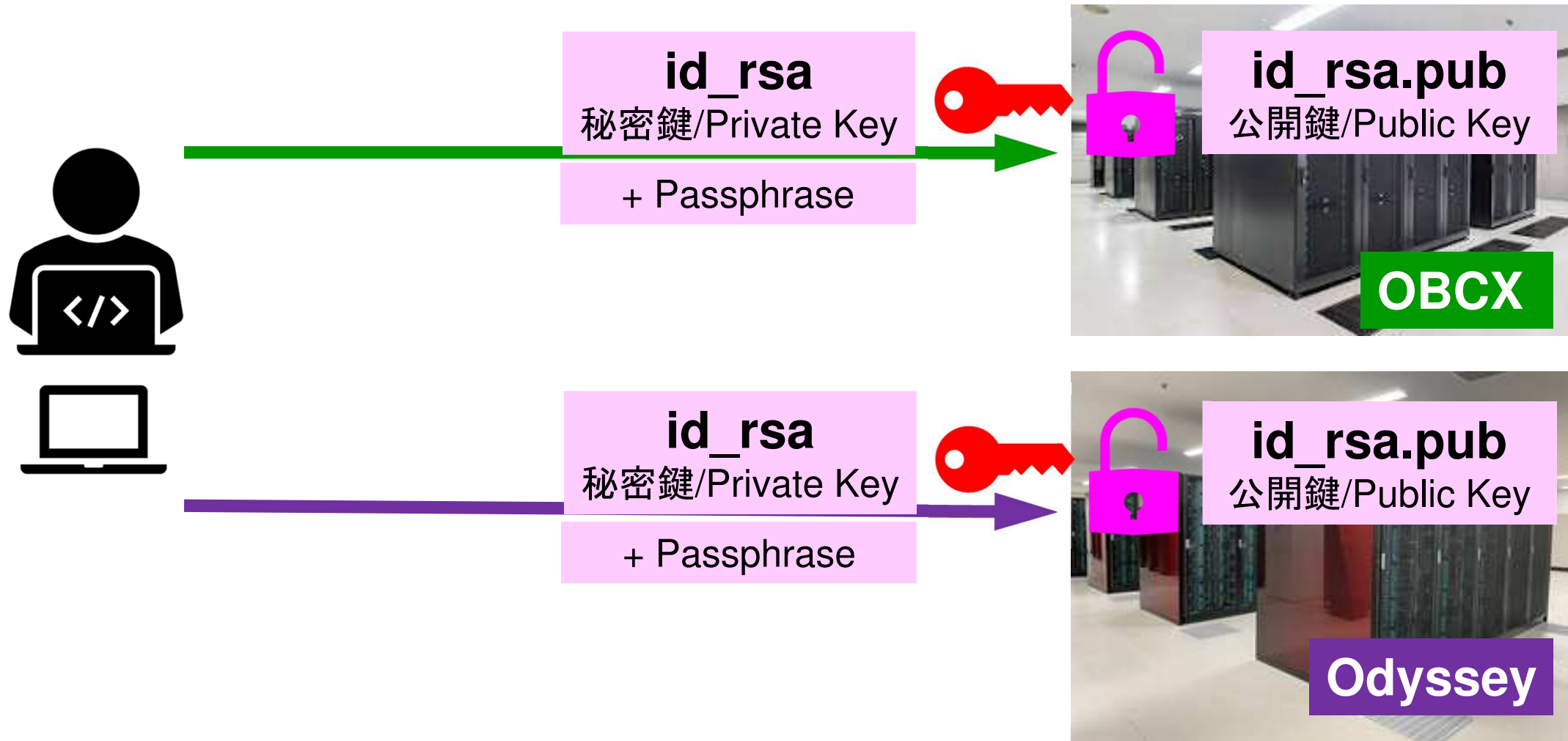
SSH= Secure Shell

- **id\_rsa**
  - Private Key (秘密鍵) on Your PC
  - Keep it confidential ! (e.g. do not give it to others, do not copy, do not move etc.)
- **id\_rsa.pub**
  - Public Key (公開鍵) on Supercomputers
  - You can copy, can send it to others via e-mail etc.
- If the info of the Private Key on your PC and Public Key on the supercomputer matches, you can login.
- If you have multiple PC's, please create individual set of (Private/Public) keys on each PC
  - You can register multiple Public Key's on Supercomputer

# SSH Public Key Authentication (4/4)

## ④ Login to Odyssey etc. from PC

Private Key (id\_rsa) + Passphrase



# If you use multiple PC's, you need to create a pair of keys (private/public) on EACH PC !!

```
$> ssh-keygen -t rsa
```



**id\_rsa**  
秘密鍵/Private Key

+ Passphrase

**id\_rsa.pub**  
公開鍵/Public Key



**id\_rsa**  
秘密鍵/Private Key

+ Passphrase

**id\_rsa.pub**  
公開鍵/Public Key

Portal Site  
OBCX



Portal Site  
Wisteria



# Multiple public-keys can be registered !

Oakbridge-CX スーパーコンピュータ x Oakbridge-CX User Portal x +

https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal\_u.en/index.cgi

Wisteria User Portal Logout

Information  
SSH Public Key  
E-mail  
Password  
Token usage  
Disk usage  
Prepost reservation  
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OSS

## SSH Public Key

|                        |                                   |    |    |
|------------------------|-----------------------------------|----|----|
| Registered Public-keys | ssh-rsa AAAAB3NzaC.....JcZnqF9gf3 | 表示 | 削除 |
|                        | ssh-rsa AAAAB3NzaC.....pWGVie6w== | 表示 | 削除 |

Registration Method

☒ Direct Input  
☐ File Upload

Register

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2020/04/12

# Multiple public-keys can be registered !

```
$> ssh-keygen -t rsa
```



**id\_rsa**

秘密鍵/Private Key

+ Passphrase

**id\_rsa.pub**

公開鍵/Public Key



**id\_rsa**

秘密鍵/Private Key

+ Passphrase

**id\_rsa.pub**

公開鍵/Public Key

Portal Site  
OBCX



**id\_rsa.pub**

公開鍵/Public Key



**id\_rsa.pub**

公開鍵/Public Key

Portal Site  
Wisteria



**id\_rsa.pub**

公開鍵/Public Key



**id\_rsa.pub**

公開鍵/Public Key

- Supercomputers in ITC/U.Tokyo
  - Information Technology Center, The University of Tokyo
- Login to Odyssey
- **After Login**

# Login to OBCX from PC

```
$ ssh t87XYZ@odyssy.cc.u-tokyo.ac.jp  
Enter passphrase for key '/home/nakajima/.ssh/id_rsa: Your Passphrase <Return↓>
```

1. `ssh t87XYZ@odyssey.cc.u-tokyo.ac.jp <Return↓>`
2. **Your Passphrase** <Return↓>

# After Login ...

```
$ pwd <Return↓>
```

```
/home/t87XYZ
```

```
$ cd /work/gt87/t87XYZ <Return↓>
```

```
$ pwd <Return↓>
```

```
/work/gt87/t87XYZ
```

```
$ cd <Return↓>
```

```
$ pwd <Return↓>
```

```
/home/t87XYZ
```

1. “/home/t87XYZ” is the default login directory
2. Because capacity of /home is very small, please move to “/work/gt87/t87XYZ”
3. You can go back to /home/t87XYZ by typing “cd”

# Copy : PC to Wisteria-Odyssey (W-O)

```
$ scp ./a.dat t87XYZ@wisteria.cc.u-tokyo.ac.jp:
```

<Return↓>

“a.dat” in the Current Directory of PC is copied to /home/t87XYZ on W-0

```
$ scp ./a.dat t87XYZ@wisteria.cc.u-tokyo.ac.jp:/work/gt87/t87XYZ/test/
```

“a.dat” in the Current Directory of PC is copied to  
/work/gt87/t87XYZ/test on W-0

```
$ scp -r ./testL t87xyz@wisteria.cc.u-tokyo.ac.jp:
```

“testL” directory in the Current Directory of PC and its contents are  
copied to /home/t87XYZ on W-0

```
$ scp -r ./testL t87xyz@wisteria.cc.u-tokyo.ac.jp:/work/gt87/t87XYZ/test
```

“testL” directory in the Current Directory of PC and its contents are  
copied to /work/gt87/t87XYZ/test on W-0

# Copy : W-O to PC

```
$ scp t87XYZ@wisteria.cc.u-tokyo.ac.jp:~/a.dat ./
```

“a.dat” on /home/t87XYZ on W-0 is copied to the Current Directory of PC

```
$ scp t87XYZ@wisteria.cc.u-tokyo.ac.jp:/work/gt87/t87YZ/test/a.dat ./
```

“a.dat” on /work/gt87/t87XYZ/test on W-0 is copied to the Current Directory of PC

```
$ scp -r t87XYZ@wisteria.cc.u-tokyo.ac.jp:~/L1 ./
```

“L1” directory in /home/t87XYZ on W-0 and its contents are copied to  
“L1” directory in the Current Directory on PC

```
$ scp -r t87XYZ@wisteria.cc.u-tokyo.ac.jp:/work/gt87/t87XYZ/test/L1 ./
```

“L1” directory in /work/gt87/t87XYZ/test on W-0 and its contents are  
copied to “L1” directory in the Current Directory on PC

# Manuals on the Portal Site

Oakbridge-CX スーパーコンピュータ X Oakbridge-CX User Portal X +

https://obcx-www.cc.u-tokyo.ac.jp/cgi-bin/hpcportal\_u.en/index.cgi

Wisteria User Portal Logout

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## Usage of documents

When using the Wisteria/BDEC-01 User's Manual Web Browsing Service, users must strictly obey the following rules:

- This system shall not be used for purposes of the development, design, manufacture, storage, or use of weapons for mass destruction, including nuclear weapons, chemical or biological weapons, or missiles, etc. for the delivery of such weapons.
- Use of this service shall be limited to the person who obtained permission to use the supercomputer.
- The information in this manual (including printed or photocopied copies) shall not be transmitted or presented to persons other than the person who have obtained permission to use the supercomputer.
- The Center has the right to immediately terminate use of the Web Browsing Service previously granted to those who violate the above rules, or who have been found to have used the supercomputer in an unauthorized manner.

In addition, the user shall not be allowed to make any protest against this decision.

agree

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**If you have any questions, please  
contact KN (Kengo Nakajima)**

**nakajima(at)cc.u-tokyo.ac.jp**

**Do not contact ITC support directly.**

**It is strictly prohibited to use the  
Wisteria/BDEC-01 system for  
purposes other than this class.**

**You cannot use Aquarius (GPU part).**