

Usage of Docker Environment Easy Setup Script

For Windows10 2004(May 2020 Update Version)

[Preparation] Confirm the version of Windows10

- ▶ Open **Windows Settings** > **System** and click “About” in left pane.
- ▶ Make sure the version you can see **Windows specifications** > **Version** is **2004**
- ▶ If the version is lower than **2004** , It needed to be updated in advance.

The screenshot displays the Windows Settings application. The left pane shows the 'System' category selected and highlighted with a red box. The right pane shows the 'About' page, where the 'Windows specifications' section is visible. The 'Version' field is highlighted with a red box, showing '2004'. Other specifications include 'Edition: Windows 10 Enterprise', 'OS build: 19041.508', and 'Experience: Windows Feature Experience Pack 120.2212.31.0'. The 'Related settings' section includes links for 'BitLocker settings', 'System info', and 'Help from the web'.

Field	Value
Edition	Windows 10 Enterprise
Version	2004
Installed on	9/20/2020
OS build	19041.508
Experience	Windows Feature Experience Pack 120.2212.31.0

[Preparation] Update Windows10

- ▶ It needed to be updated if the windows version is lower than 2004.
- ▶ Download “**Windows10 Update Assistant**” and run.
<https://www.microsoft.com/ja-jp/software-download/windows10>

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Windows 10 のダウンロード

更新する前に、**Windows リリース情報ステータス**にある既知の問題を参照して、使用しているデバイスが影響されないことをご確認ください。

Windows 10 May 2020 Update

Update Assistant が最新バージョンの Window

今すぐアップデート

ファイナリー

- Note that it may take some time to complete the update.
- When the version is 2004 (or higher), please go to the next page.

0. Get the Easy Setup Script

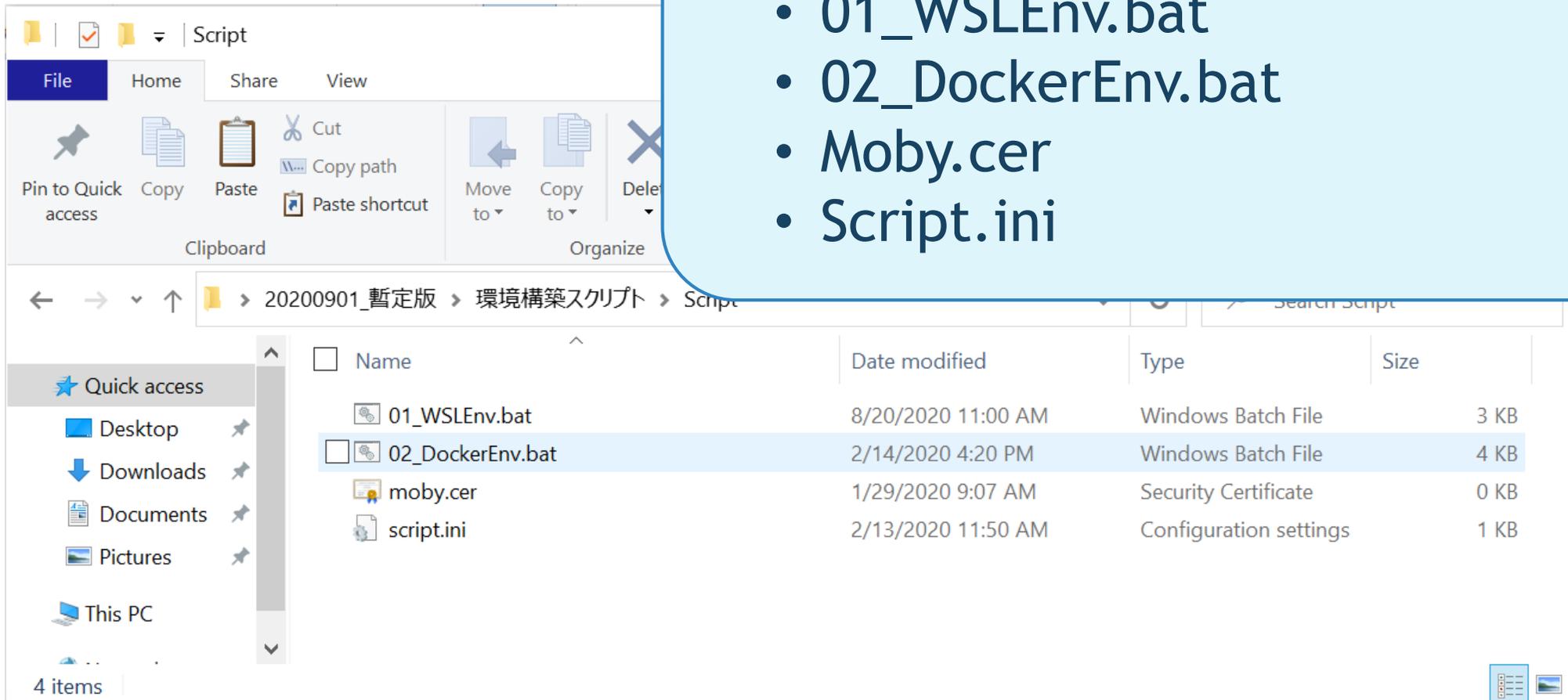
- ▶ Please apply at the following URL to get the “Docker Environment Easy Setup Script”.
Script will be emailed to you after your application.
- ▶ <https://www.jaist.ac.jp/iscenter/jaist-cloud/container/tool/>



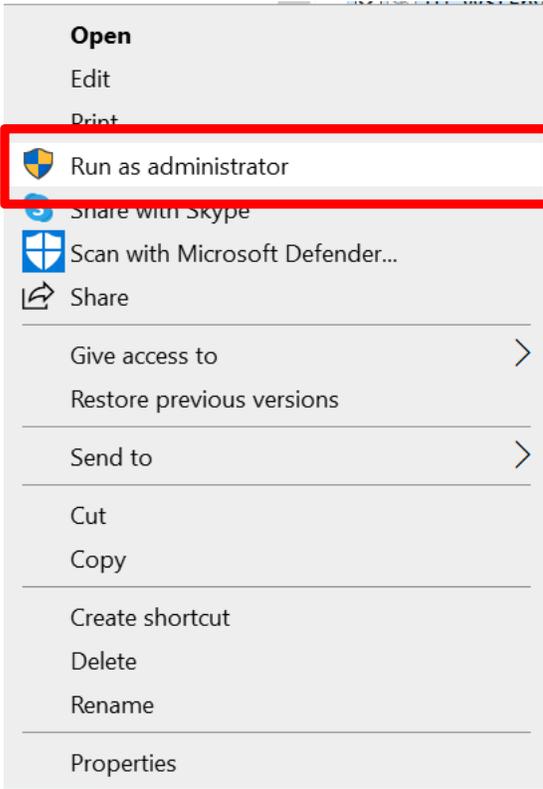
1. Decompress the file sent to you

There is 4 files in the compressed file.

- 01_WSLEnv.bat
- 02_DockerEnv.bat
- Moby.cer
- Script.ini

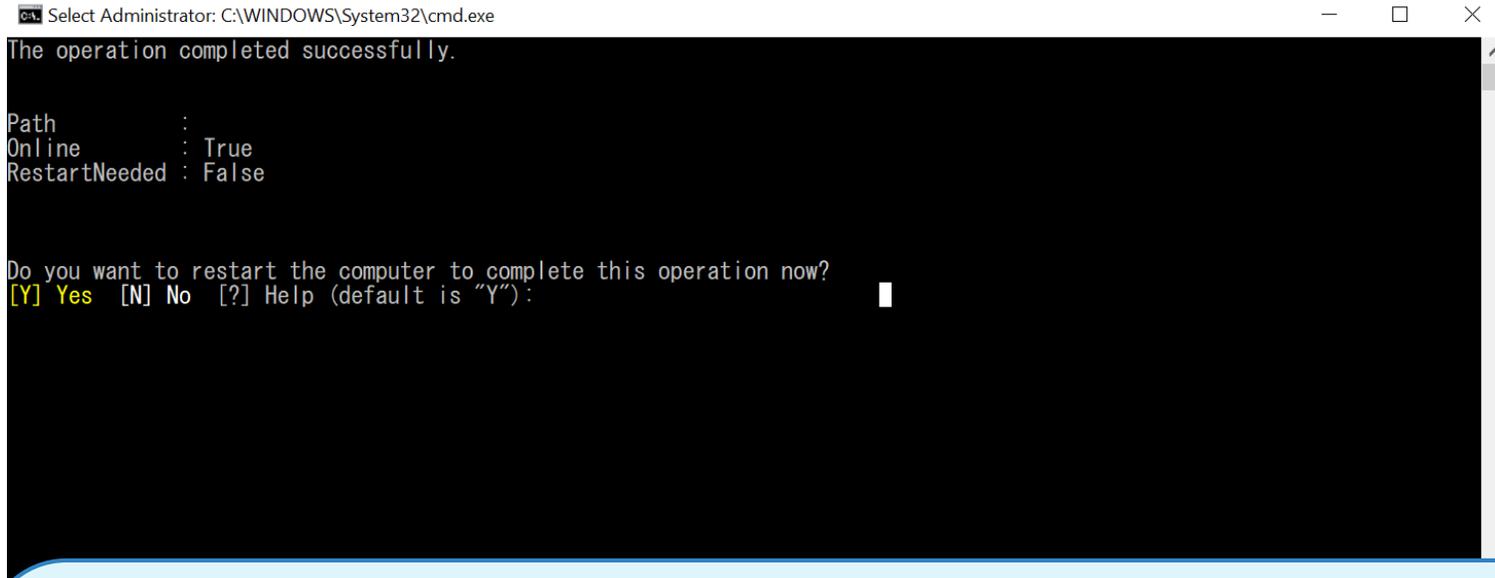


2. Run the batch file



① Right click “01_WSLEnv.bat” and select [**Run as administrator**].

3. Reboot



```
ca. Select Administrator: C:\WINDOWS\System32\cmd.exe
The operation completed successfully.

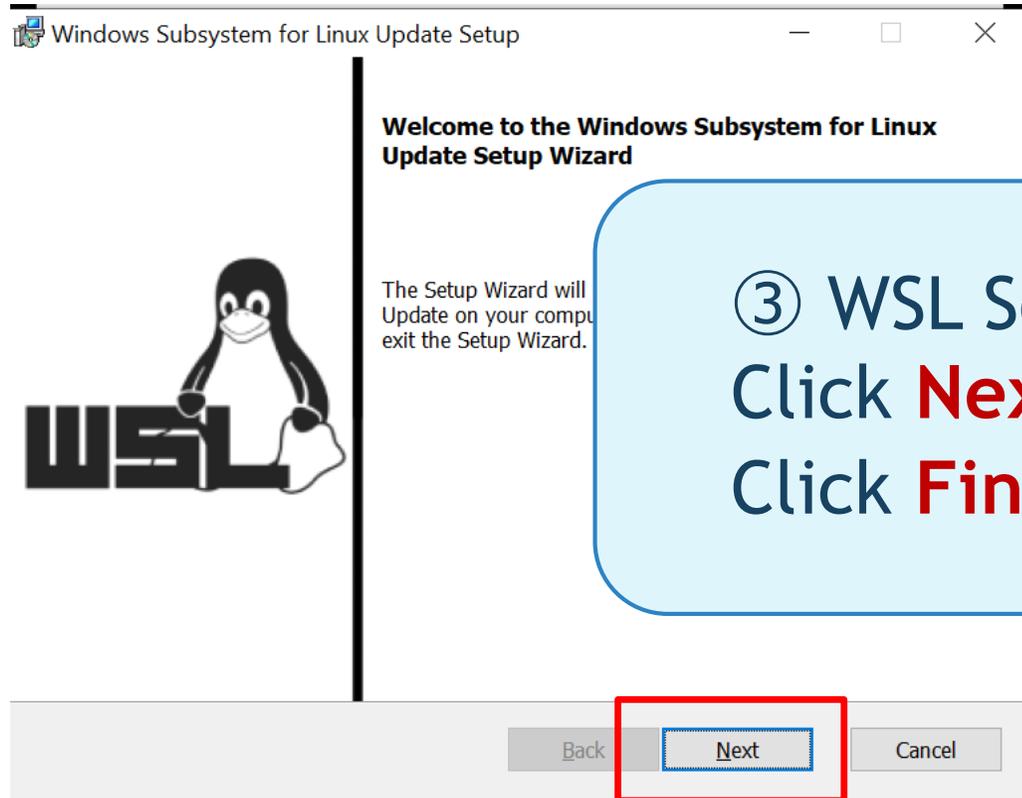
Path      :
Online    : True
RestartNeeded : False

Do you want to restart the computer to complete this operation now?
[Y] Yes  [N] No  [?] Help (default is "Y"):
```

② Command prompt will be launched. Input “Y” to reboot when the message requesting reboot is appeared.

If the message requesting reboot isn't appeared and the prompts don't change within 5 minutes, please restart manually.

4. Install Windows Subsystem for Linux



③ WSL Setup window will be launched.
Click **Next** ,
Click **Finish** to complete.

5. Initial Setup

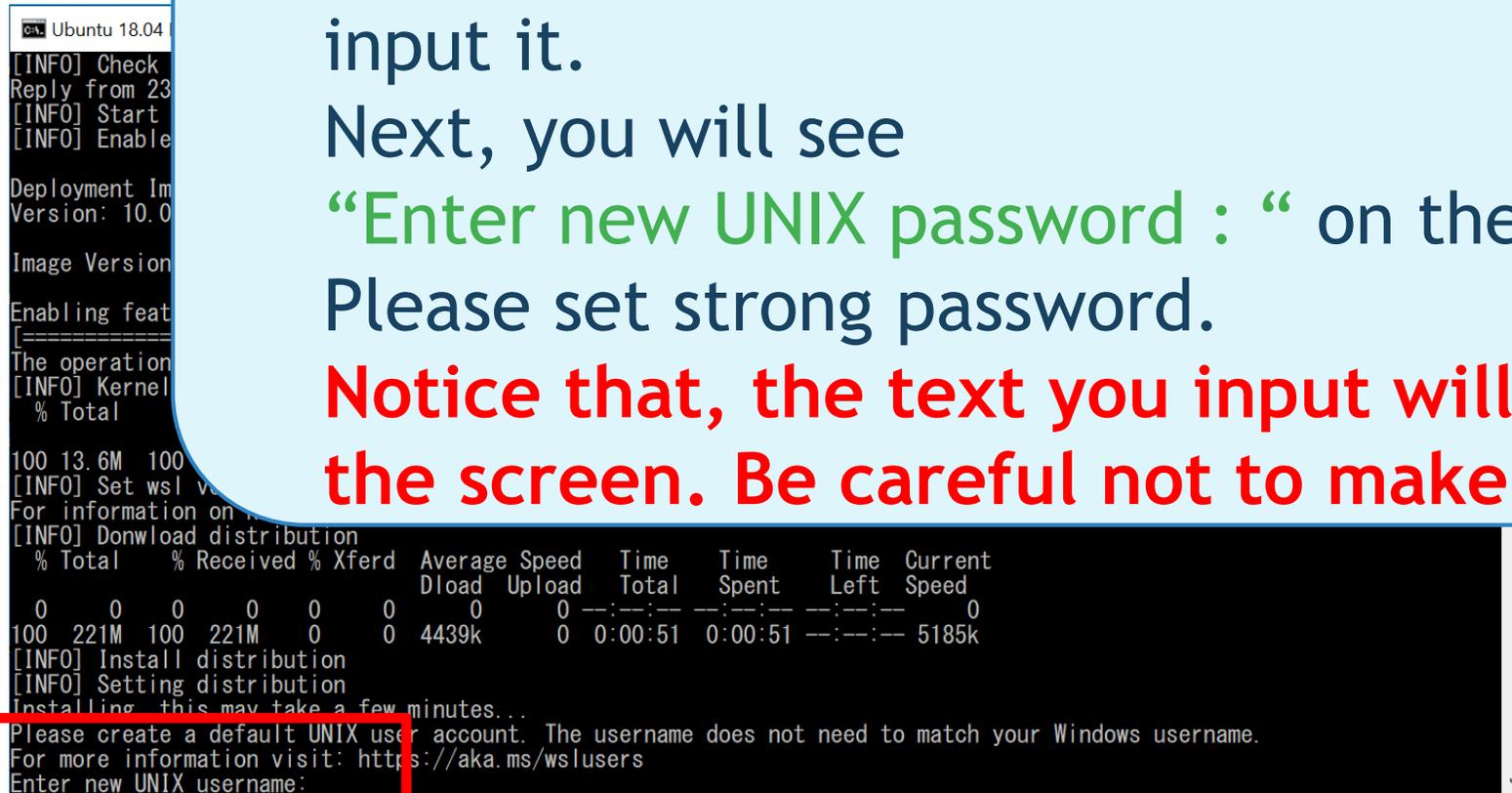
④ You will see

“Enter new UNIX username : ” on the last line of the command prompt. Please choose a user name for Linux and input it.

Next, you will see

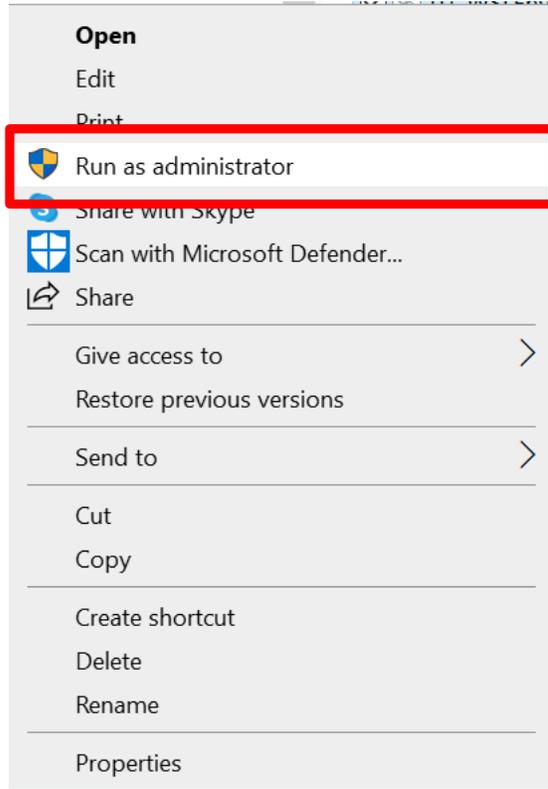
“Enter new UNIX password : “ on the next line of username. Please set strong password.

Notice that, the text you input will not be displayed on the screen. Be careful not to make a mistake.



```
Ubuntu 18.04
[INFO] Check
Reply from 23
[INFO] Start
[INFO] Enable
Deployment Im
Version: 10.0
Image Version
Enabling feat
[=====
The operation
[INFO] Kernel
% Total
100 13.6M 100
[INFO] Set wsl v
For information on
[INFO] Download distribution
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
0 0 0 0 0 0 0 0 0:00:00 0:00:00 0:00:00 0
100 221M 100 221M 0 0 4439k 0 0:00:51 0:00:51 0:00:00 5185k
[INFO] Install distribution
[INFO] Setting distribution
Installing this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username:
```

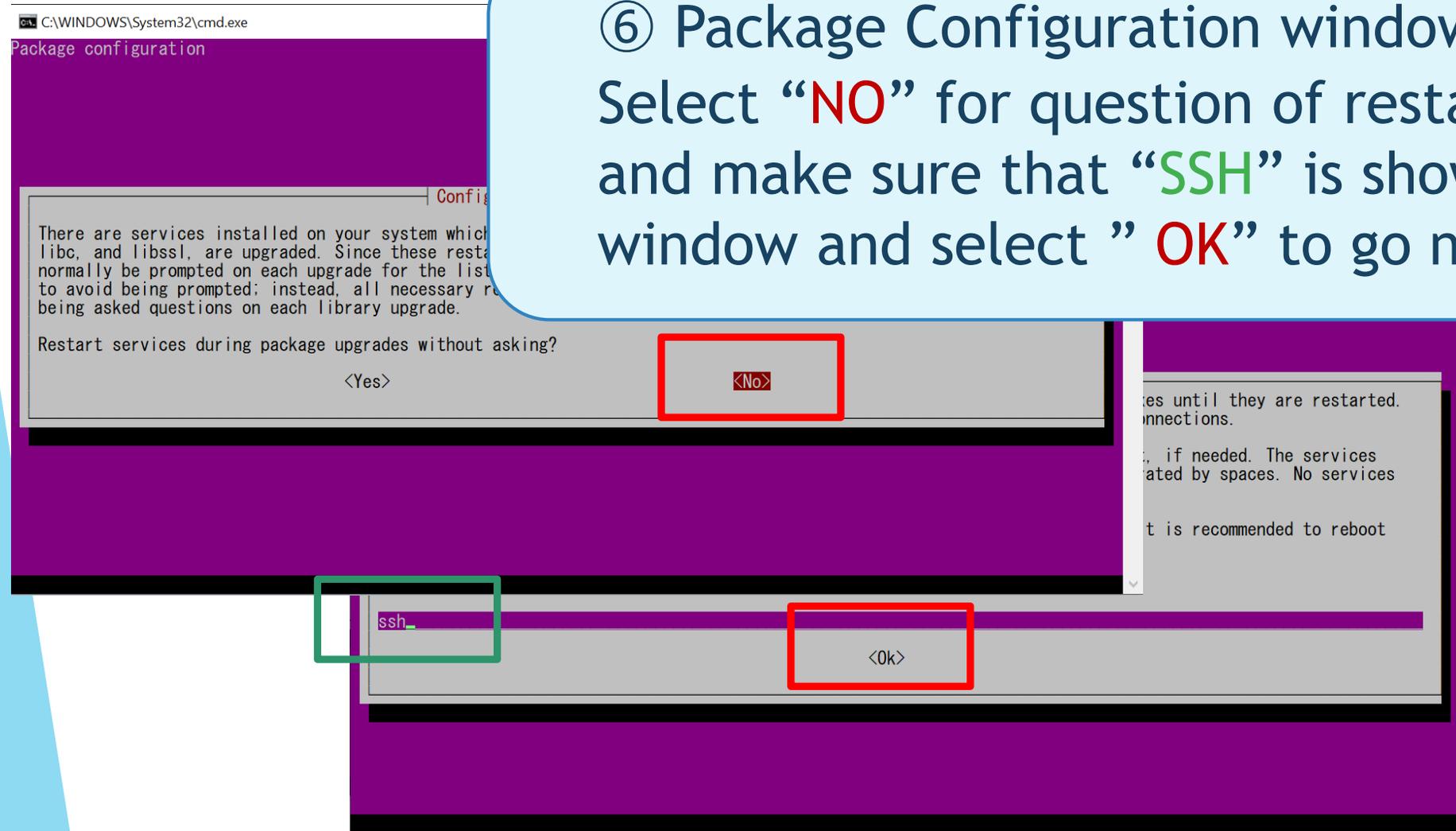
6. Run the batch file



⑤ Right click “02 _DockerEnv.bat” and select [Run as administrator].

7. Docker install

⑥ Package Configuration window will be launched. Select “**NO**” for question of restart option, and make sure that “**SSH**” is shown in input window and select ” **OK**” to go next.



8. インストール完了

⑦ If you see [Complete Docker Setup!], the Docker installation is complete!

```
C:\WINDOWS\System32\cmd.exe
Setting up containerd.io (1.3.0) ...
Created symlink /etc/systemd/system/containerd.service → /usr/lib/systemd/system/containerd.service.
Setting up cgroupfs-mount (1.4) ...
invoke-rc.d: could not determine current runlevel
Setting up libltdl7:amd64 (2.4.2-1ubuntu1) ...
Setting up docker-ce-cli (5:19.03.13~3-0~ubuntu-bionic) ...
Setting up pigz (2.4-1) ...
Setting up docker-ce (5:19.03.13~3-0~ubuntu-bionic) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
invoke-rc.d: could not determine current runlevel
Processing triggers for libc-bin (2.27-3ubuntu1.2) ...
Processing triggers for systemd (237-3ubuntu10.42) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
[INFO] Setting connect private repository
cp: cannot stat '/mnt/c//Users/Kanae': No such file or directory
cp: cannot stat 'Miyashita/Desktop/20200901_暫定版/環境構築スクリプト/Script/moby.cer': No such file or directory
[INFO] Start docker daemon
* Starting Docker: docker
[INFO] Add permission access docker sock
[INFO] Install docker-compose
[INFO] Download and install docker-compose
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left     Speed
100 651  100 651    0     0  1773      0  0:00:15  0:00:15  --:--:--  1778
100 15.4M  100 15.4M    0     0 1007k      0  0:00:15  0:00:15  --:--:-- 2770k
[INFO] Complete docker setup !
Press any key to continue . . .
```