
Appendix.

TEANAPS 환경구축 가이드

:Docker for Windows

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Docker



Docker 가상환경 +

Jupyter NB 환경에서 Python 활용

1.

가상환경을 실행하여 **분석환경 세팅 없이** 바로 분석

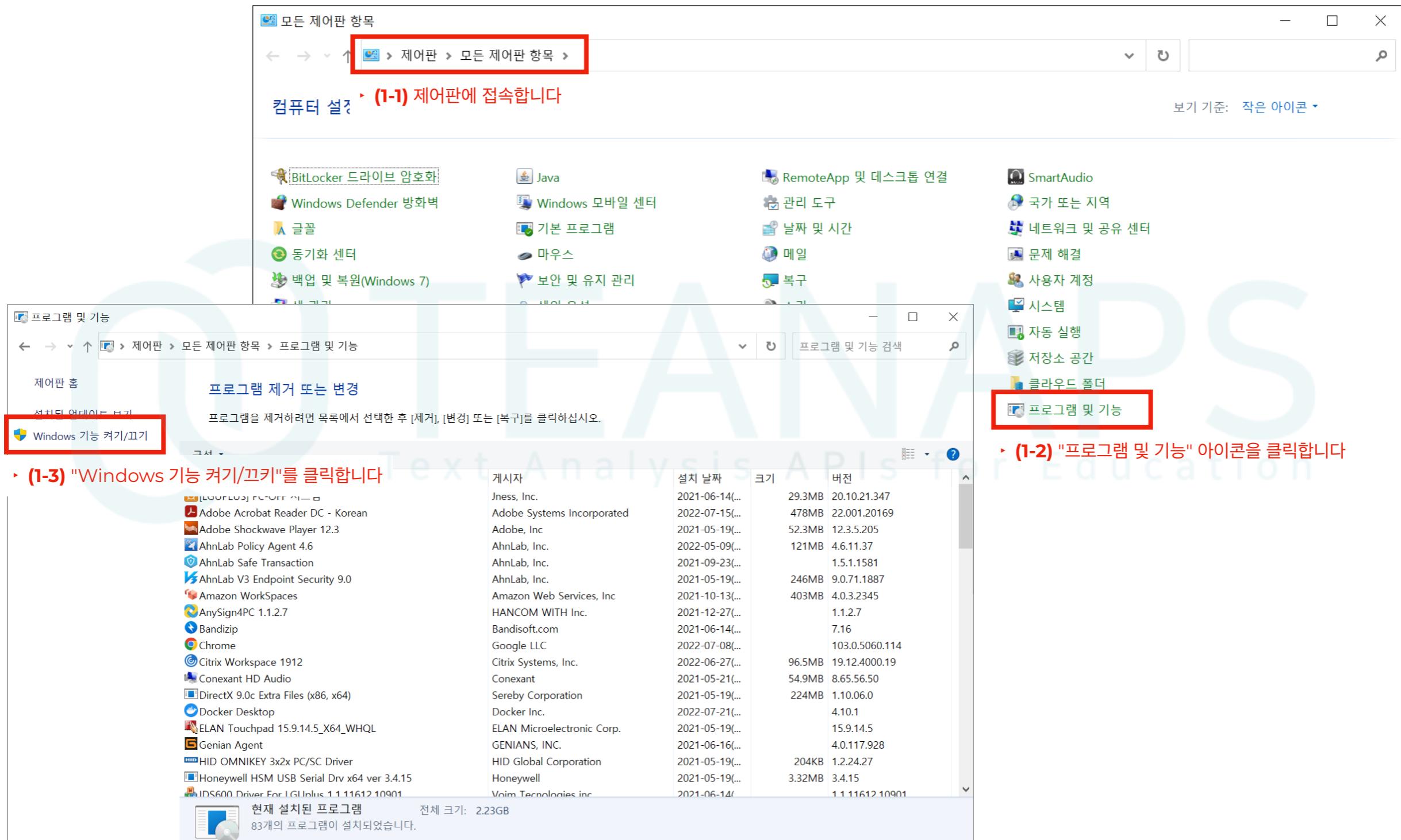
2.

Windows, macOS, Linux 환경 모두 지원

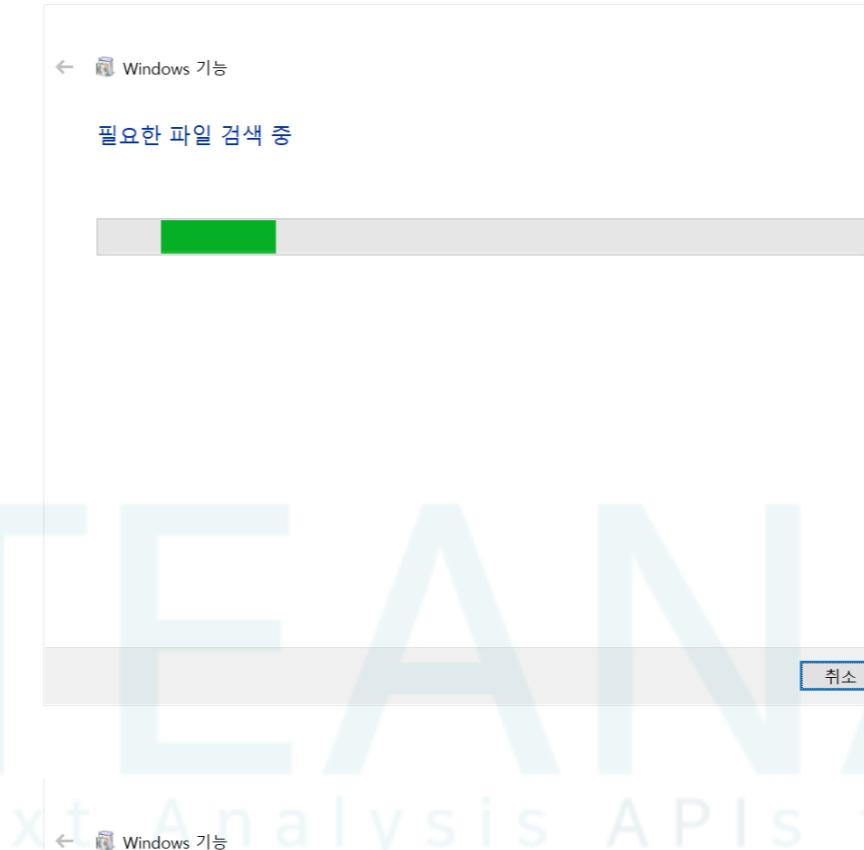
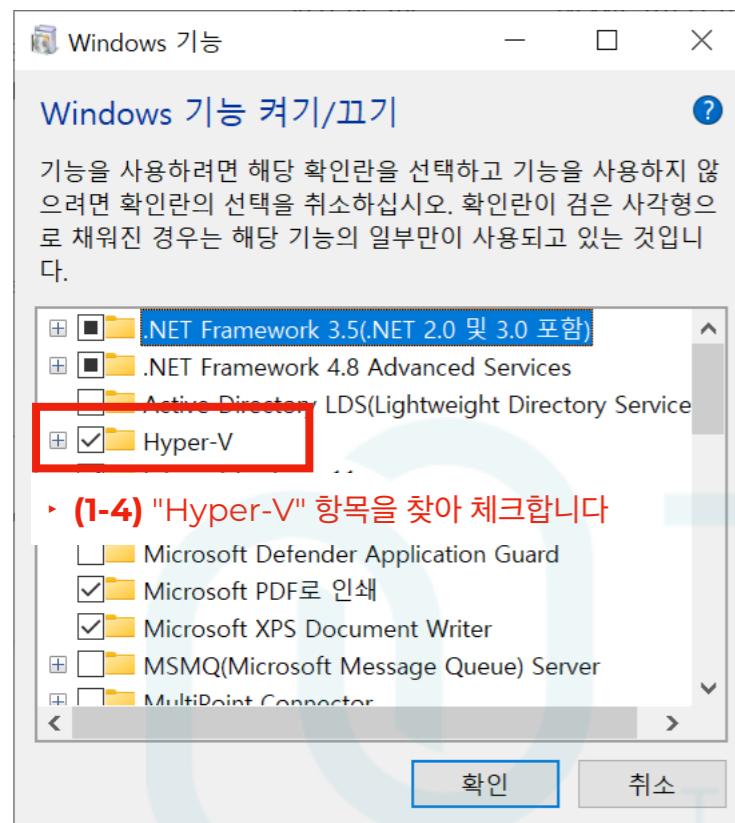
3.

내가 분석한 코드와 분석환경을 바로바로 **공유하여 활용**

TEANAPS with Docker (for Windows)

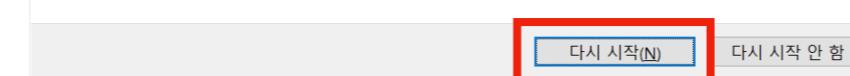


TEANAPS with Docker (for Windows)



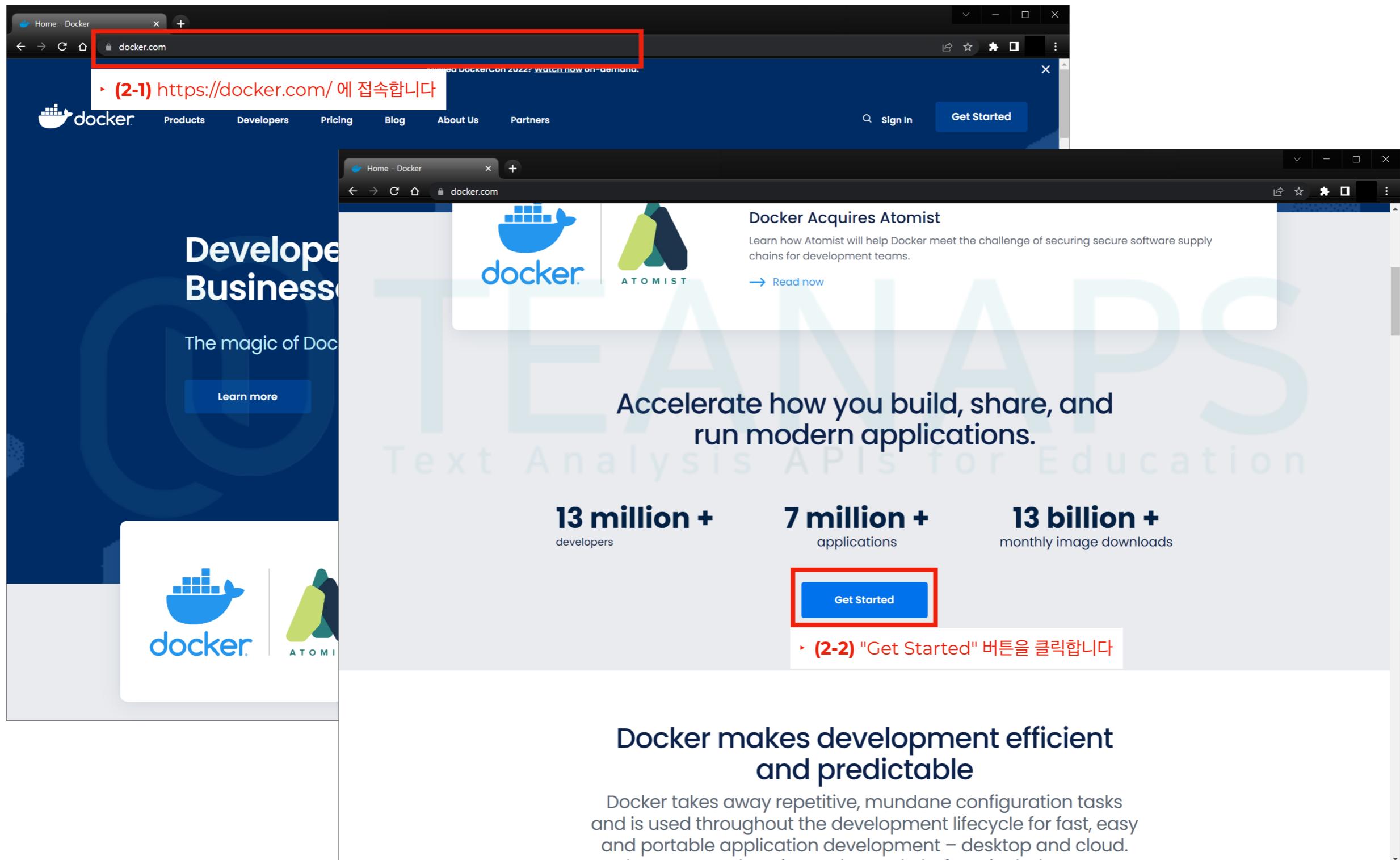
Windows가 요청된 변경 사항을 완료했습니다.

요청한 변경 사항 설치를 마치려면 PC를 다시 부팅해야 합니다.

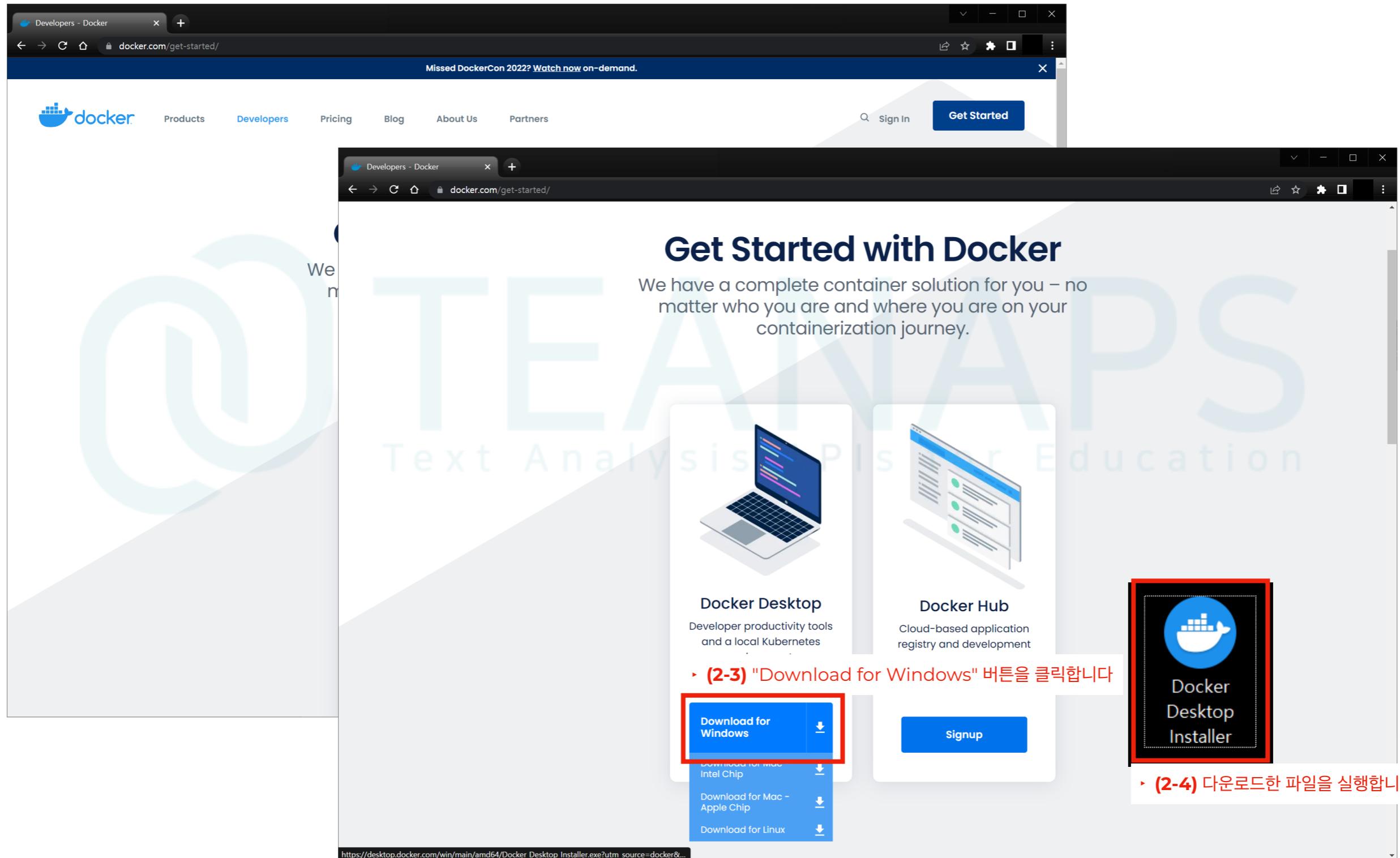


• (1-5) 작업이 완료되면 "다시 시작(N)" 버튼을 클릭해 PC를 재부팅합니다

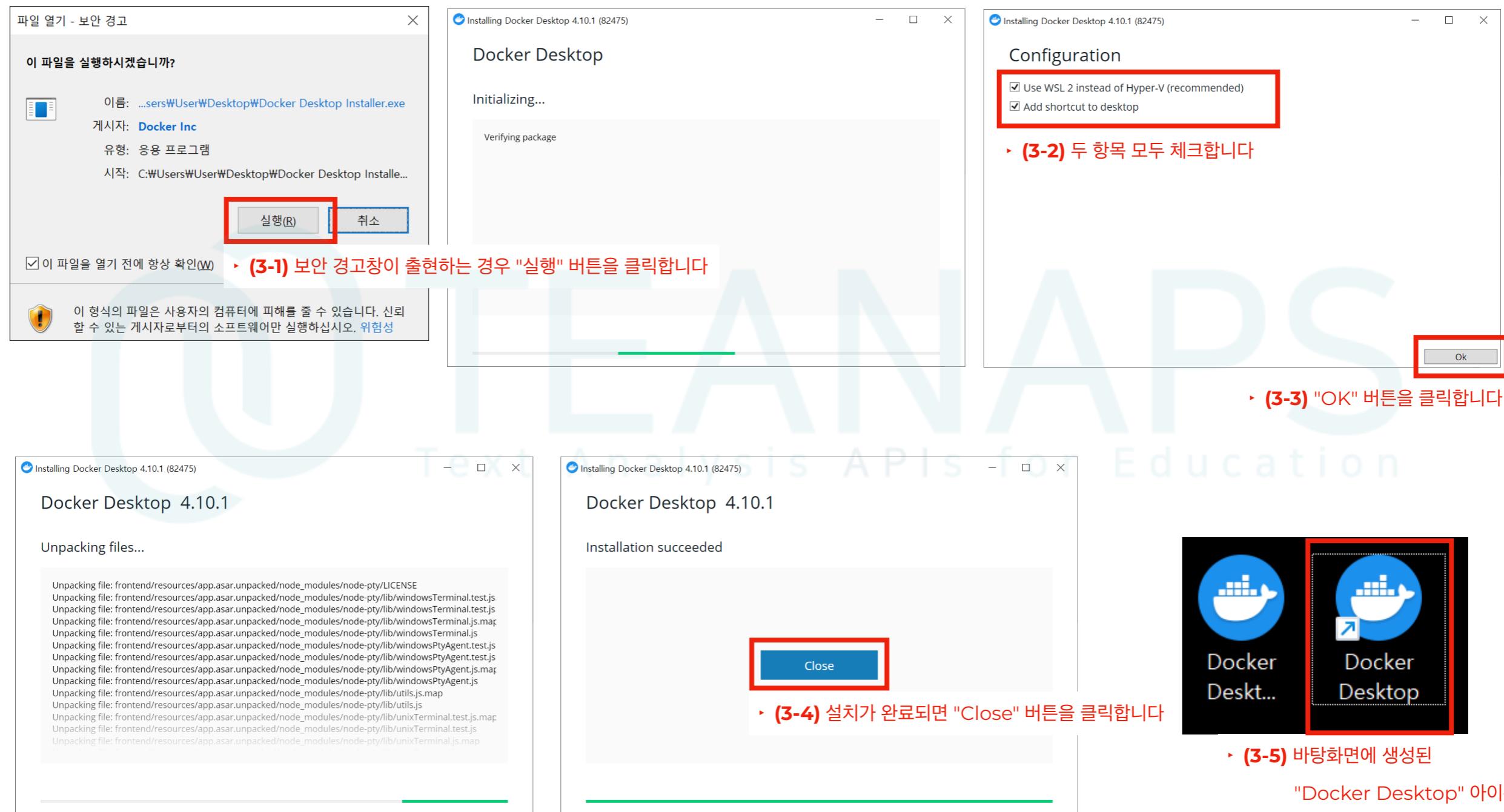
TEANAPS with Docker (for Windows)



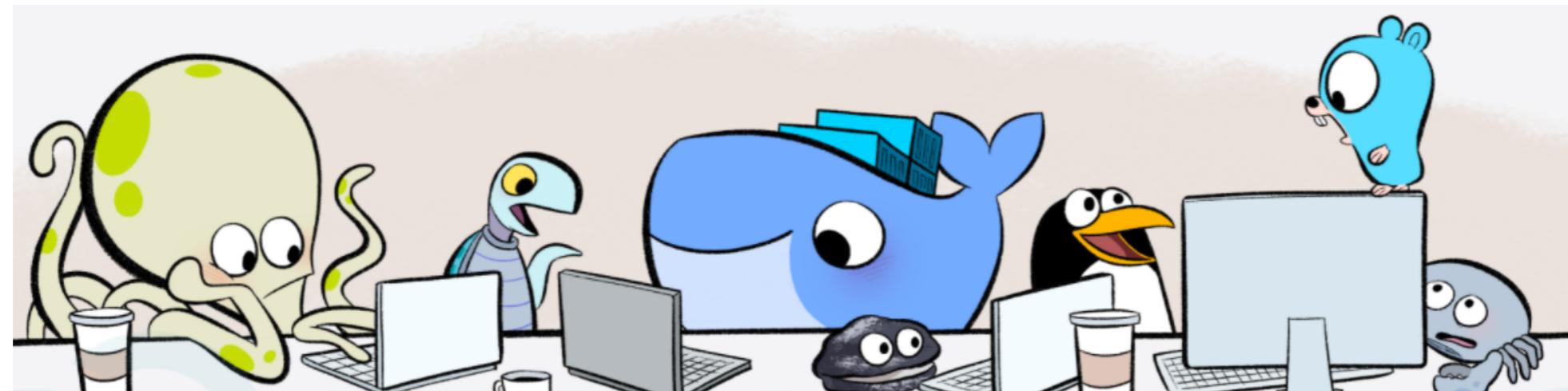
TEANAPS with Docker (for Windows)



TEANAPS with Docker (for Windows)



TEANAPS with Docker (for Windows)



Our Service Agreement has Changed

We've updated the [Docker Subscription Service Agreement](#). Please read the [Blog](#) and [FAQs](#) to learn how companies using Docker Desktop may be affected. By checking "I accept the terms" you agree to the [Subscription Service Agreement](#), the [Data Processing Agreement](#), and the [Data Privacy Policy](#).

Here's a summary of key changes:

- Our Docker Subscription Service Agreement include a change to the terms of use for Docker Desktop.
 - It **remains free** for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects.
 - It requires a paid subscription for professional use in larger enterprises.
- The effective date of these terms is August 31, 2021. There was a **grace period** until January 31, 2022 for those that require a paid subscription to use Docker Desktop. Docker trusts our customers to be in compliance and Docker Desktop will continue to function normally after January 31:

• (4-1) 이용약관 동의여부를 체크합니다

I accept the terms

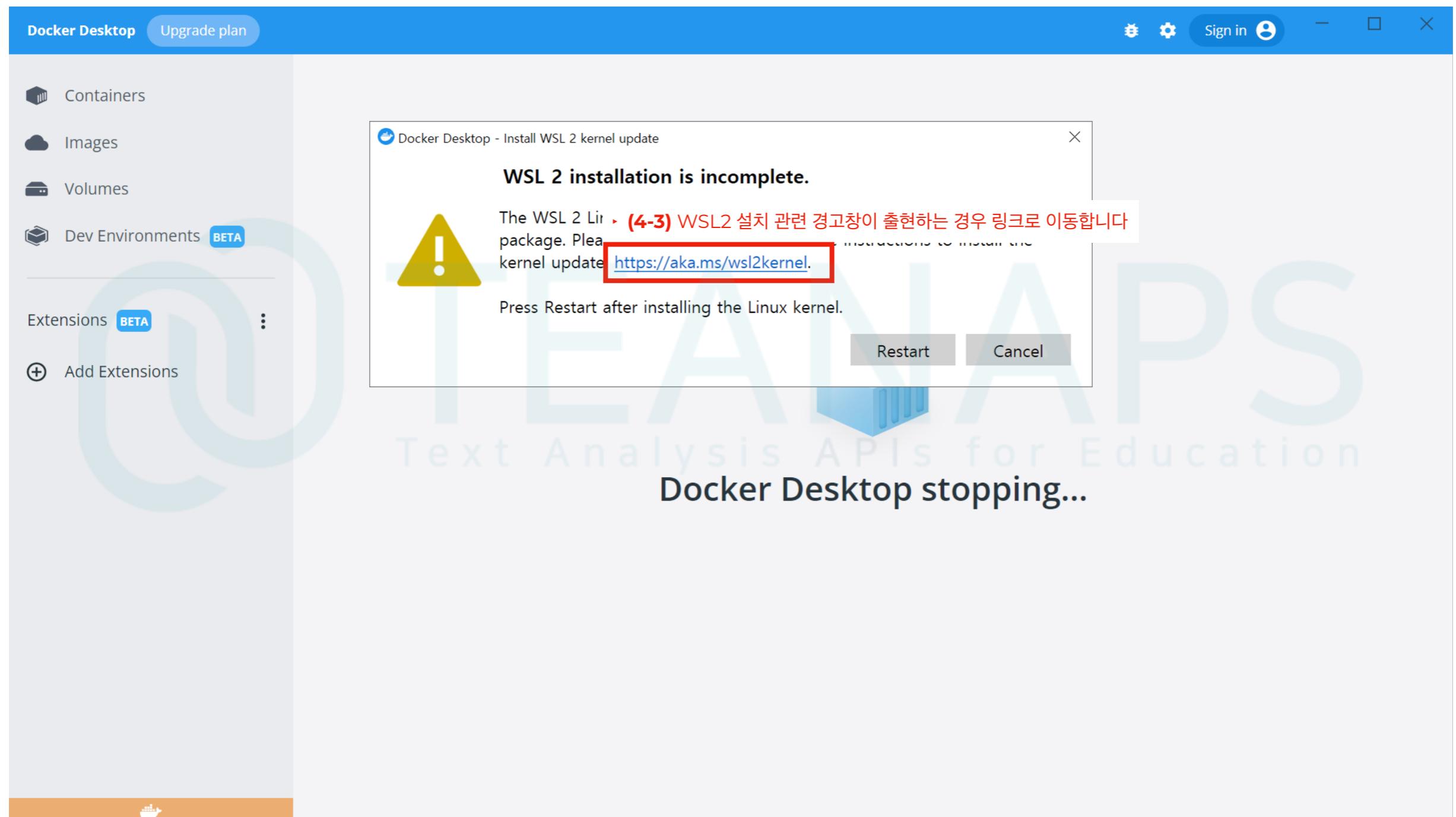
[View Full Terms](#) ↗

[Decline and Close Application](#)

[Accept](#)

• (4-2) "Accept" 버튼을 클릭합니다

TEANAPS with Docker (for Windows)



TEANAPS with Docker (for Windows)

4단계 - Linux 커널 업데이트 패키지 다운로드

1. 최신 패키지를 다운로드합니다.

- x64 머신용 최신 WSL2 Linux 커널 업데이트 패키지 ↗

› (4-4) 링크를 클릭하여 업데이트 설치파일을 다운로드 합니다

ARM64 머신을 사용하는 경우 ARM64 패키지 ↗를 대신 다운로드하세요. 사용하고 있는 머신의 종류를 잘 모르는 경우 명령 프롬프트 또는 PowerShell을 열고 systeminfo | find "System Type" 을 입력합니다. 주의: 비 영어 Windows 버전에서는 "시스템 유형" 문자열을 변환하여 검색 텍스트를 수정해야 할 수 있습니다. find 명령에 대한 따옴표는 이스케이프해 systeminfo | find '"Systemtyp"' 입니다.

2. 이전 단계에서 다운로드한 업데이트 패키지를 실행합니다. (실행하는 메시지가 표시되면 '예'를 선택하여 이 설치를 승인합니다)
설치가 완료되면 새 Linux 배포를 설치할 때 WSL 2를 기본 버전으로 Linux 설치를 WSL 1로 설정하려면 이 단계를 건너뛰세요.)

① 참고

자세한 내용은 Windows 명령줄 블로그 ↗에서 사용할 수 있는 WSL2 Linux 커널업데이트 변경 ↗ 문서를 참조하세요.

› (4-5) 다운로드한 파일을 실행합니다

5단계 - WSL 2를 기본 버전으로 설정

PowerShell을 열고 이 명령을 실행하여 새 Linux 배포를 설치할 때 WSL 2를 기본 버전으로 설정합니다.

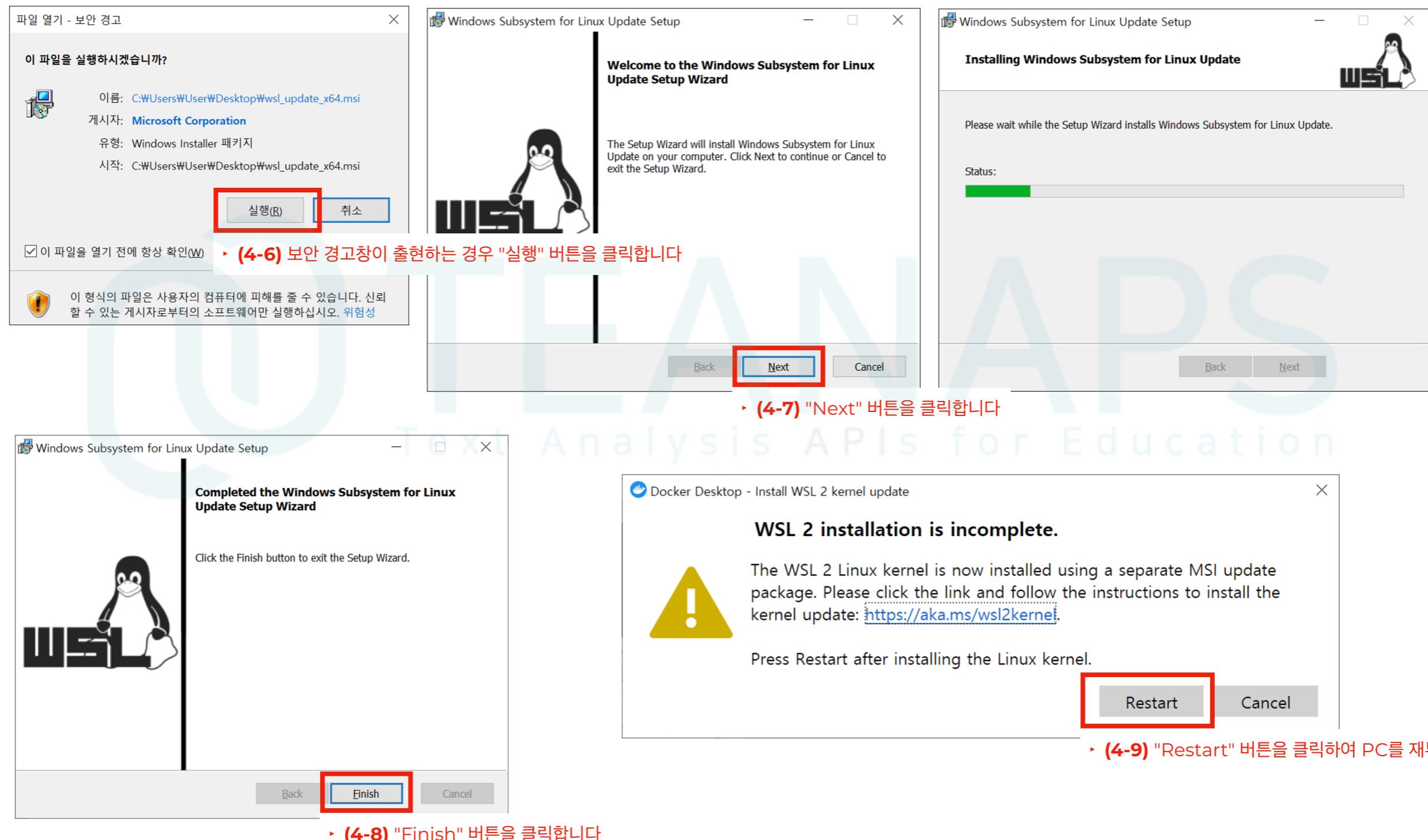
```
PowerShell
wsl --set-default-version 2
```

6단계 - 선택한 Linux 배포 설치

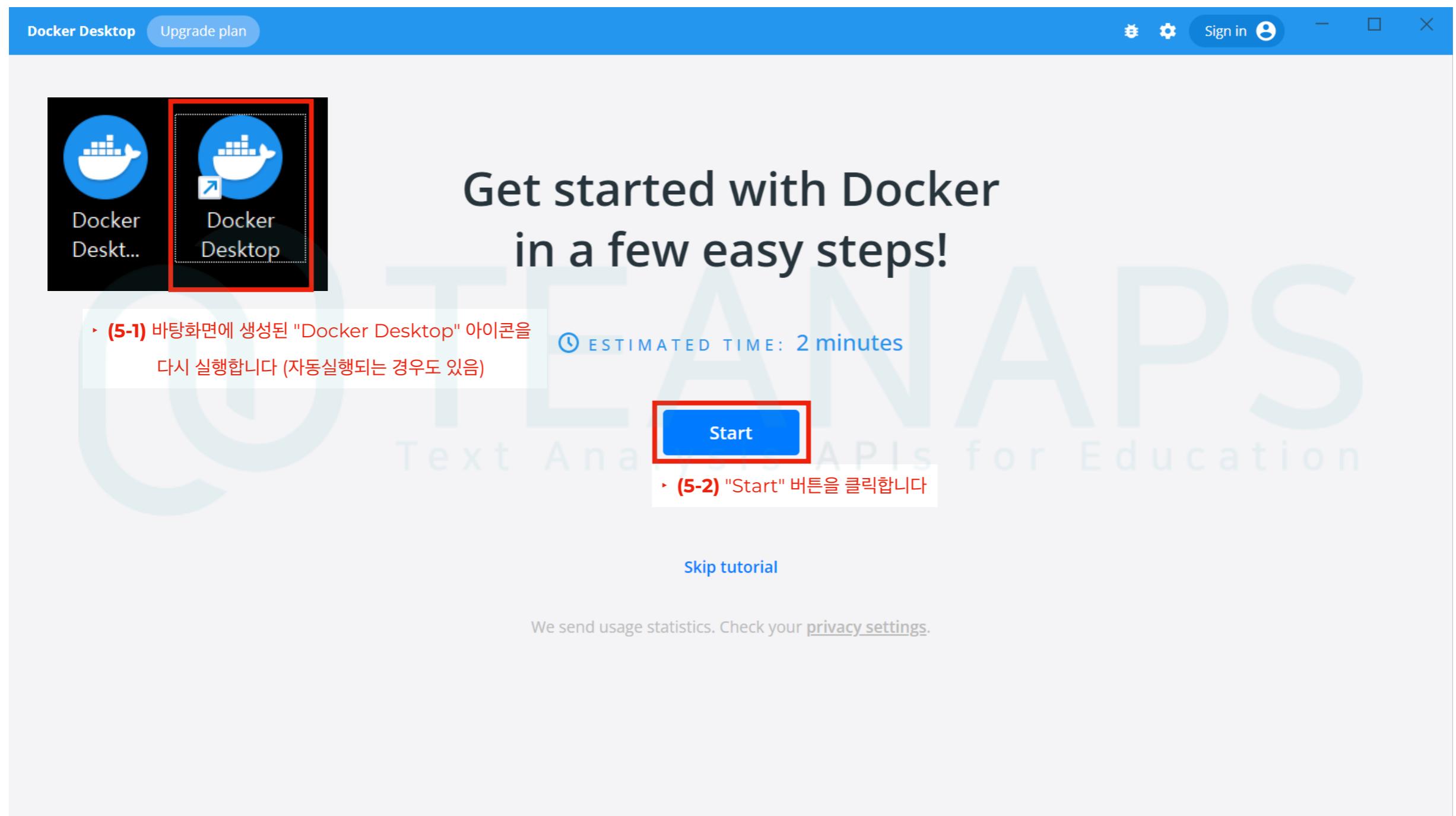
1. Microsoft Store ↗를 열고 즐겨 찾는 Linux 배포를 선택합니다.

Microsoft Store

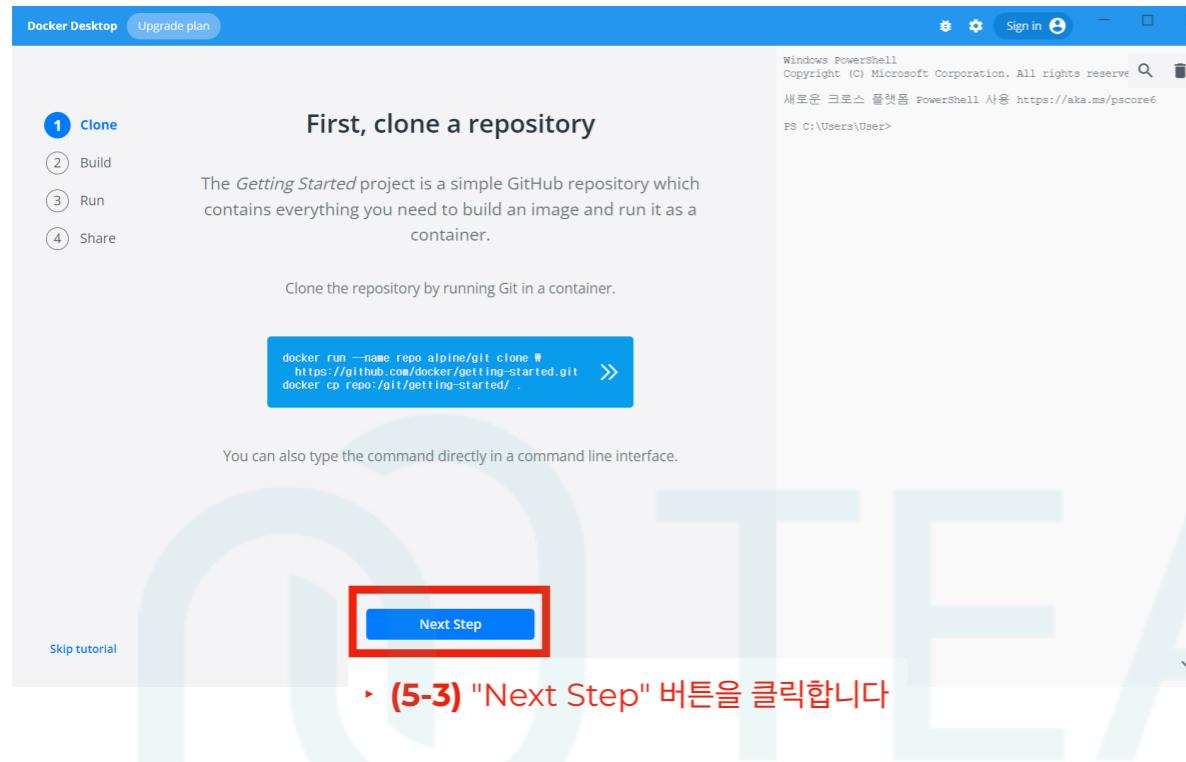
TEANAPS with Docker (for Windows)



TEANAPS with Docker (for Windows)



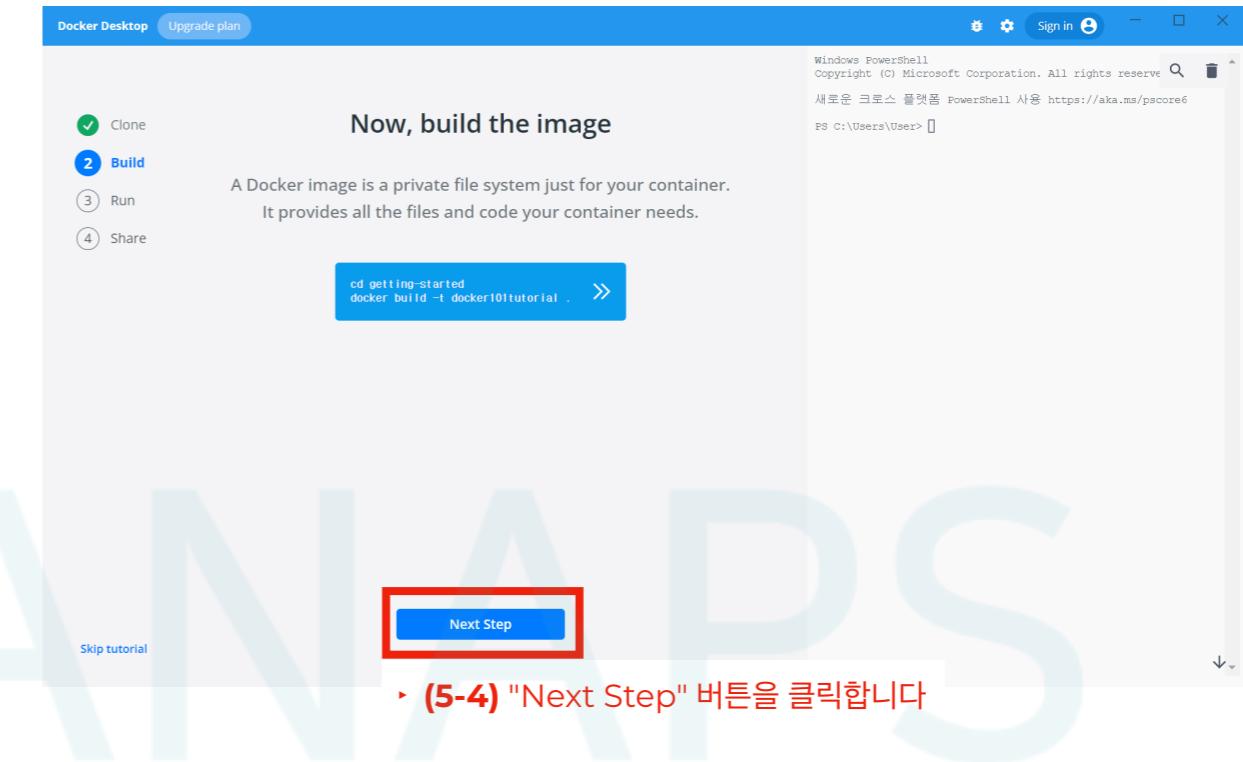
TEANAPS with Docker (for Windows)



You can also type the command directly in a command line interface.

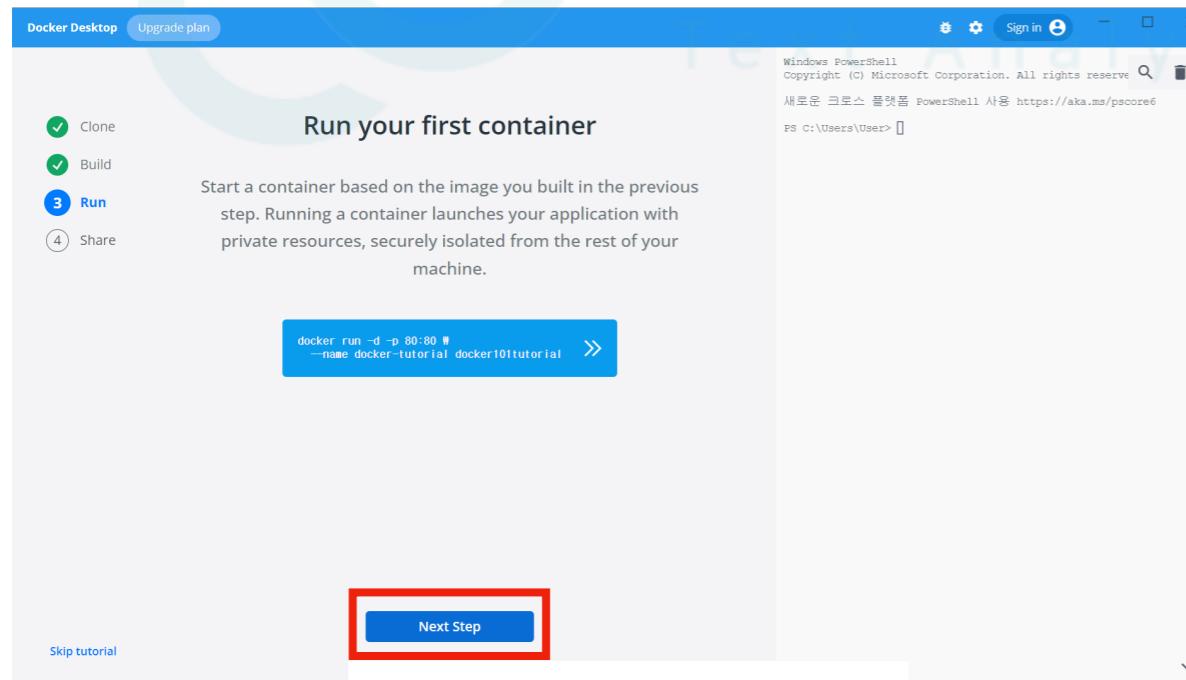
Next Step

› (5-3) "Next Step" 버튼을 클릭합니다



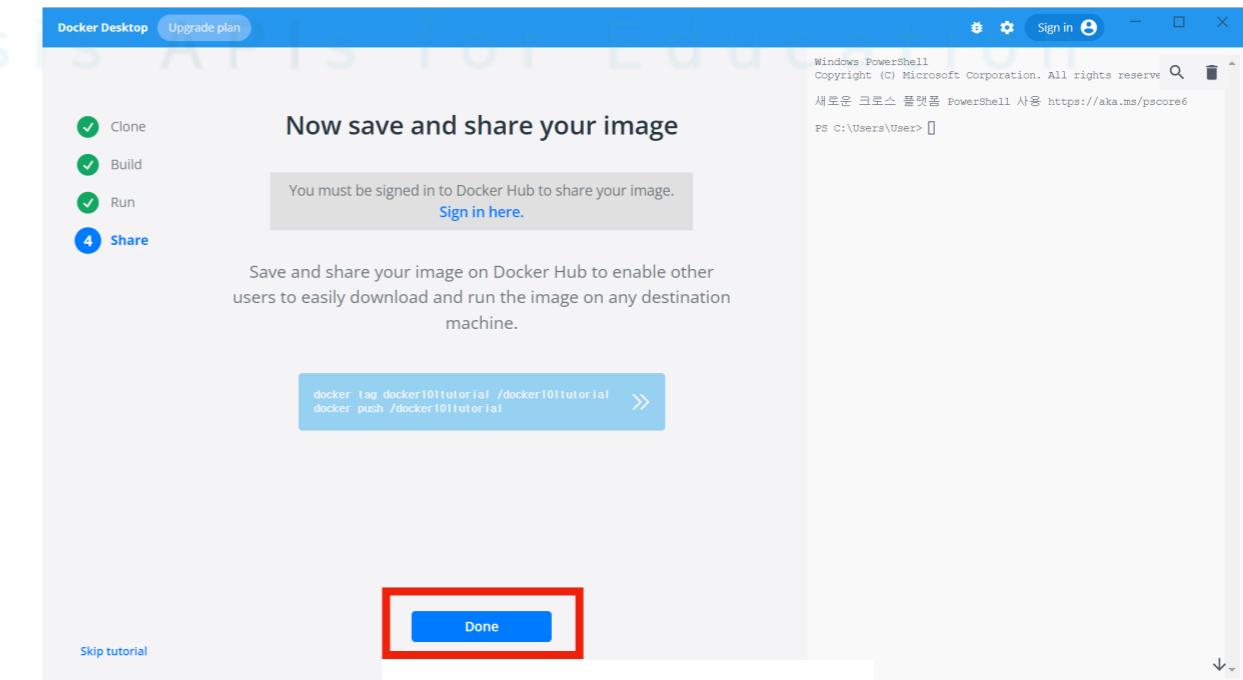
Next Step

› (5-4) "Next Step" 버튼을 클릭합니다



Next Step

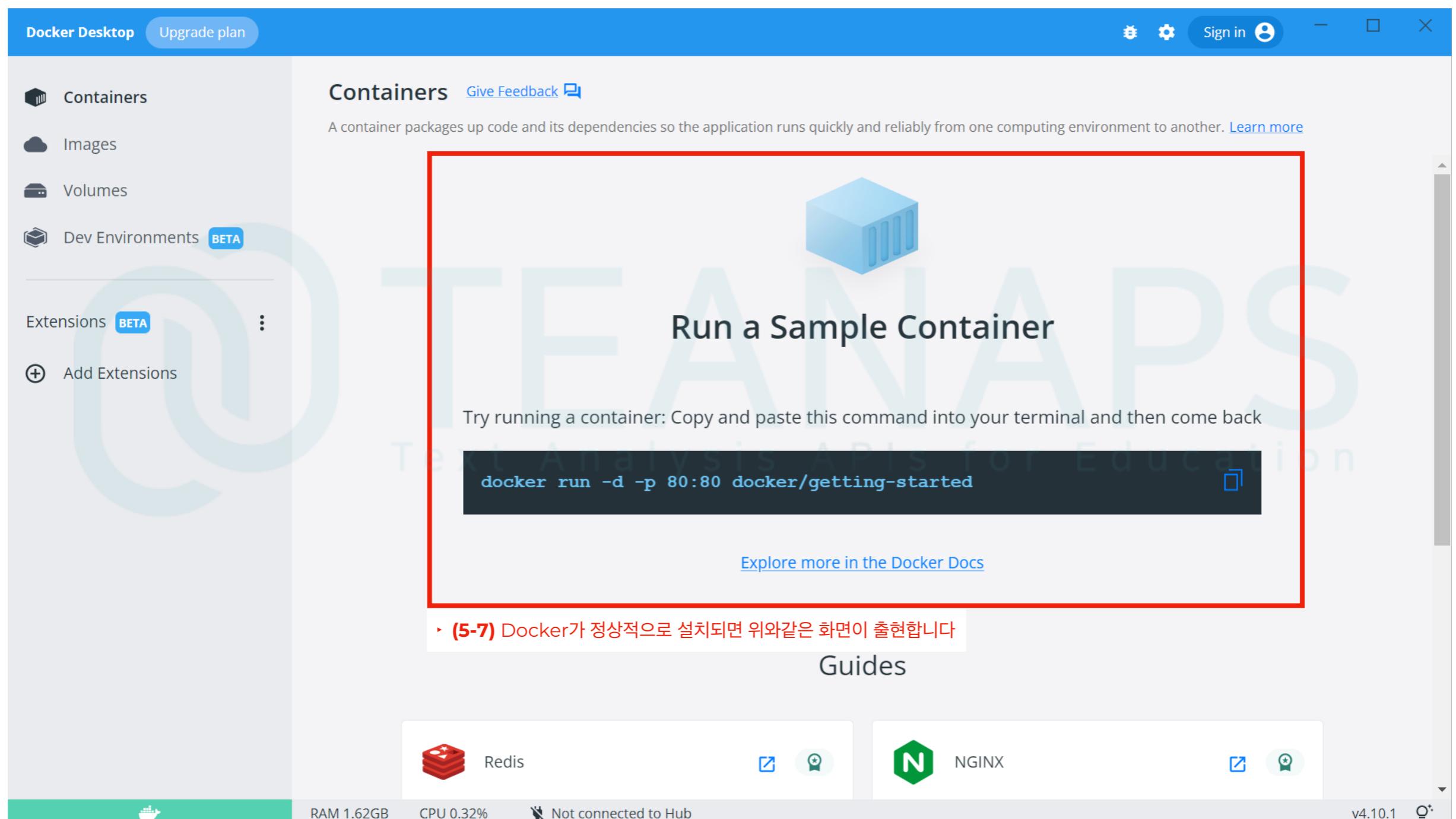
› (5-5) "Next Step" 버튼을 클릭합니다



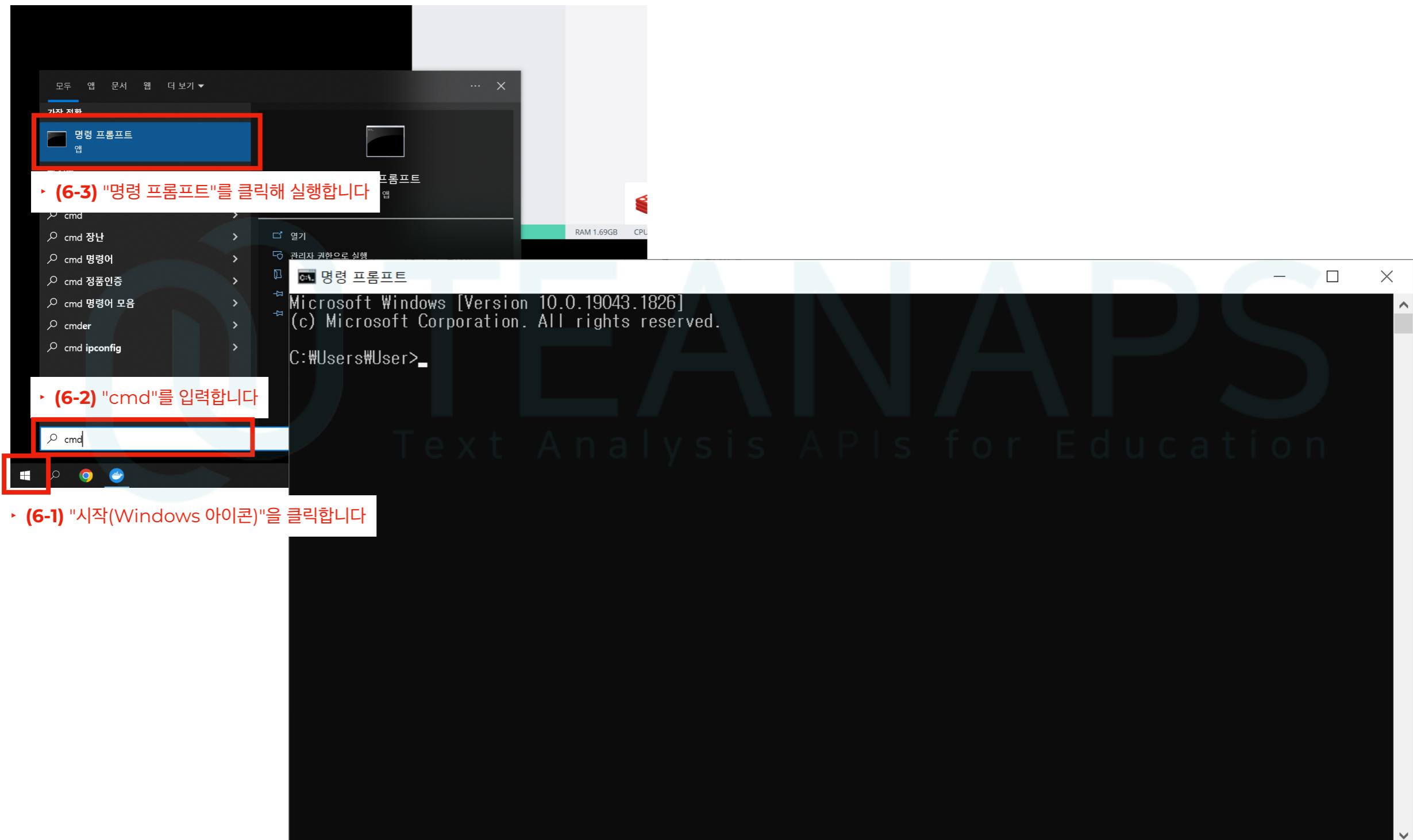
Done

› (5-6) "Done" 버튼을 클릭합니다

TEANAPS with Docker (for Windows)



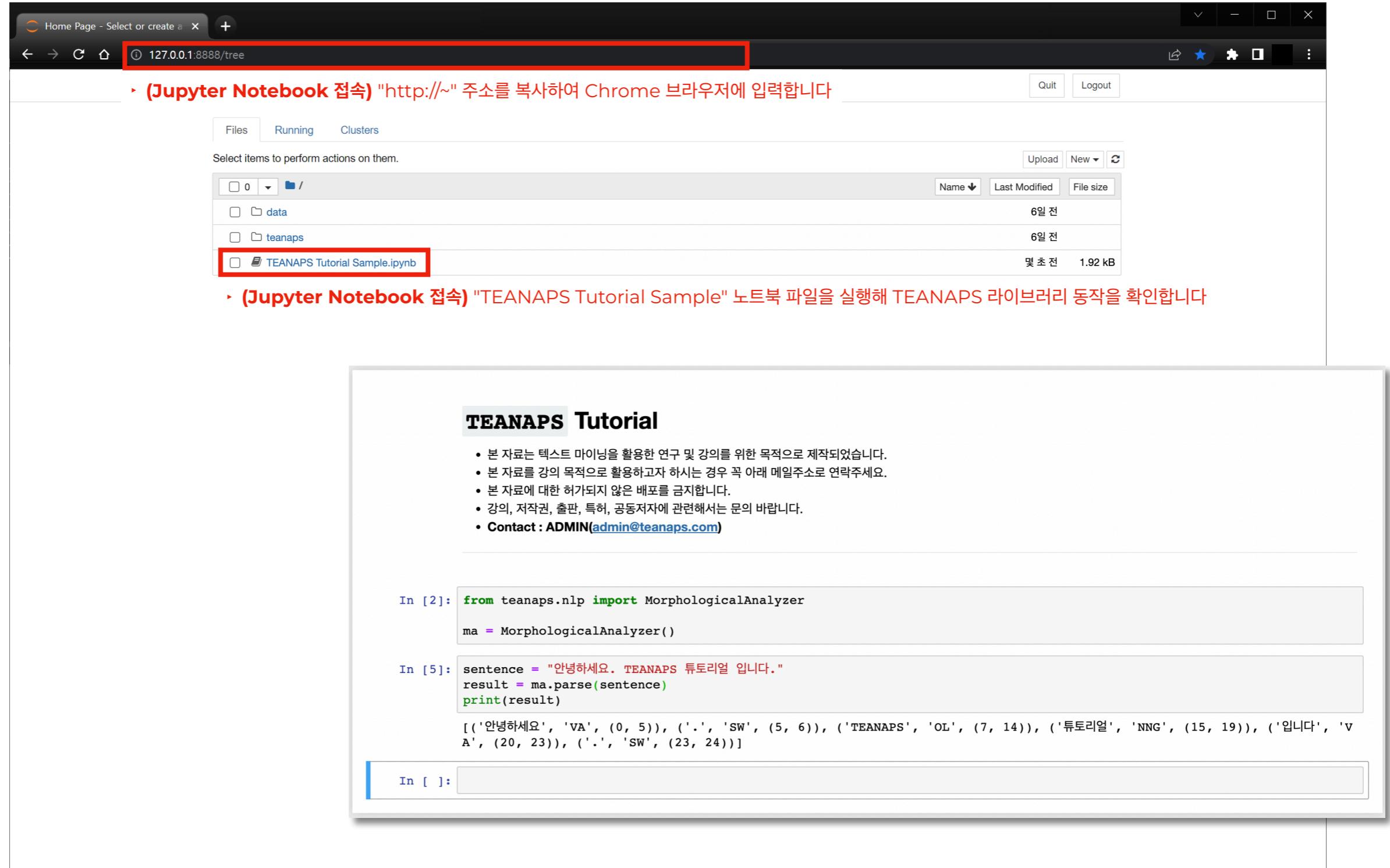
TEANAPS with Docker (for Windows)



TEANAPS with Docker (for Windows)

```
root@f958476372eb: /  
Microsoft Windows [Version 10.0.19043.1826]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\user>docker  
Usage: docker [OPTIONS] COMMAND  
A self-sufficient runtime for containers  
Options:  
  --config string      Location of client config files (default  
                       "C:\Users\user\.docker")  
  --version             Show the Docker version information  
  wait                 Block until one or more containers stop, then print their exit codes  
Run 'docker COMMAND --help' for more information on a command.  
To get more help with docker, check out our guides at https://docs.docker.com/go/guides/  
  
C:\Users\user>docker image ls -a  
REPOSITORY TAG IMAGE ID CREATED SIZE  
  
C:\Users\user>docker pull fingeredman/teanaps-ubuntu:latest  
latest: Pulling from fingeredman/teanaps-ubuntu  
09db6f815738: Pull complete  
daf35361612f: Pull complete  
Digest: sha256:2b55760d0ff03d059658fa97dd323947565b279966988d2dad1338054d46ab20  
Status: Downloaded newer image for fingeredman/teanaps-ubuntu:latest  
docker.io/fingeredman/teanaps-ubuntu:latest  
  
C:\Users\user>docker image ls -a  
REPOSITORY TAG IMAGE ID CREATED SIZE  
fingeredman/teanaps-ubuntu latest fcaeae88b4626 4 days ago 9.07GB  
  
C:\Users\user>docker run -it -p 8888:8888 --name teanaps-ubuntu fingeredman/teanaps-ubuntu:latest  
  
▶ (컨테이너 실행) "docker run -it -p 8888:8888 --name teanaps-ubuntu fingeredman/teanaps-ubuntu:latest"를 입력합니다  
  
(base) root@f958476372eb:/# jupyter notebook --ip=0.0.0.0 --port=8888 --allow-root  
▶ (Jupyter Notebook 실행) "jupyter notebook --ip=0.0.0.0 --port=8888 --allow-root"를 입력합니다  
  
[I 08:15:28.592 NotebookApp] The Jupyter Notebook is running at:  
[I 08:15:28.592 NotebookApp] http://f958476372eb:8888/?token=8451cd0dd2507355352fe6a301c44d364cacdee9b0060875  
[I 08:15:28.592 NotebookApp] or http://127.0.0.1:8888/?token=8451cd0dd2507355352fe6a301c44d364cacdee9b0060875  
[I 08:15:28.592 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).  
[W 08:15:28.608 NotebookApp] No web browser found: could not locate runnable browser.  
[C 08:15:28.609 NotebookApp]  
  
To access the notebook, open this file in a browser:  
file:///root/.local/share/jupyter/runtime/nbserver-33-open.html  
Or copy and paste one of these URLs:  
http://f958476372eb:8888/?token=8451cd0dd2507355352fe6a301c44d364cacdee9b0060875  
or http://127.0.0.1:8888/?token=8451cd0dd2507355352fe6a301c44d364cacdee9b0060875  
[I 08:41:17.775 NotebookApp] 302 GET /?token=8451cd0dd2507355352fe6a301c44d364cacdee9b0060875  
▶ (Jupyter Notebook 접속) "http://~" 주소를 복사하여 Chrome 브라우저에 입력합니다
```

TEANAPS with Docker (for Windows)



The screenshot shows a Jupyter Notebook interface running in a browser window. The URL bar displays "127.0.0.1:8888/tree". A red box highlights the URL bar and the file "TEANAPS Tutorial Sample.ipynb" in the file browser.

Red annotations in Korean:

- Top right: "▶ (Jupyter Notebook 접속) "http://~" 주소를 복사하여 Chrome 브라우저에 입력합니다"
- Middle right: "▶ (Jupyter Notebook 접속) "TEANAPS Tutorial Sample" 노트북 파일을 실행해 TEANAPS 라이브러리 동작을 확인합니다"

The notebook content area contains the following sections:

TEANAPS Tutorial

- 본 자료는 텍스트 마이닝을 활용한 연구 및 강의를 위한 목적으로 제작되었습니다.
- 본 자료를 강의 목적으로 활용하고자 하시는 경우 꼭 아래 메일주소로 연락주세요.
- 본 자료에 대한 허가되지 않은 배포를 금지합니다.
- 강의, 저작권, 출판, 특허, 공동저자에 관련해서는 문의 바랍니다.
- Contact : ADMIN(admin@teanaps.com)

```
In [2]: from teanaps.nlp import MorphologicalAnalyzer
ma = MorphologicalAnalyzer()

In [5]: sentence = "안녕하세요. TEANAPS 튜토리얼 입니다."
result = ma.parse(sentence)
print(result)

[('안녕하세요', 'VA', (0, 5)), ('.', 'SW', (5, 6)), ('TEANAPS', 'OL', (7, 14)), ('튜토리얼', 'NNG', (15, 19)), ('입니다', 'V
A', (20, 23)), ('.', 'SW', (23, 24))]
```

In []:

Contact

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admin@teanaps.com

Github

<http://teanaps.com>

E.O.D

Contact

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-  admin@teanaps.com