
HTML에서 웹앱까지

2주차_01

한 동 대 학 교
김군오 교수

학습 목표:

AWS EC2 서버에 접속하기

학습내용:

1. EC2 서버에 putty로 접속
2. EC2 서버에 WinSCP로 접속

Putty와 WinSCP

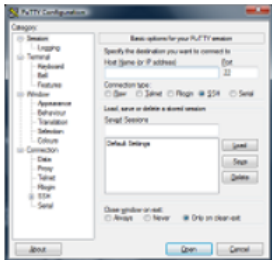
- Putty
 - SSH(Secure Shell)를 통한 command line으로 서버 프로그램 제어

Putty와 WinSCP

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 - SSH(Secure Shell)를 통한 command line으로 서버 프로그램 제어
- WinSCP
 - FTP(File Transfer Protocol)를 통한 서버에 파일 전송
 - 서버의 파일을 직접 편집 가능

Putty를 통한 서버 접속

<https://putty.org/>



Download PuTTY

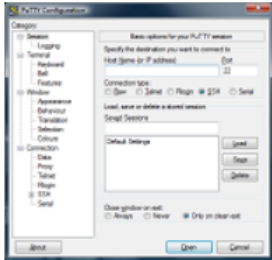
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Below suggestions are independent of the authors of PuTTY. They are *not* to be seen as endorsements by the PuTTY project.

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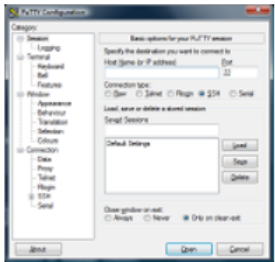
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Putty를 통한 서버 접속

PuTTY: a free SSH and Telnet client

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PuTTY is a free implementation of SSH and Telnet for Windows and Unix platforms, along with an xterm terminal emulator. It is written and maintained primarily by [Simon Tatham](#).

The latest version is 0.71. [Download it here](#).

LEGAL WARNING: Use of PuTTY, PSCP, PSFTP and Plink is illegal in countries where encryption is outlawed. We believe it is legal to use PuTTY, PSCP, PSFTP and Plink in England and Wales and in many other countries, but we are not lawyers, and so if in doubt you should seek legal advice before downloading it. You may find useful information at [cryptolaw.org](#), which collects information on cryptography laws in many countries, but we can't vouch for its correctness.

Use of the Telnet-only binary (PuTTYtel) is unrestricted by any cryptography laws.

Latest news

2019-03-25 Bug bounty continues

This year's EU-funded bug bounty programme is **still running**. It was originally scheduled to end on 7th March, but there was money left over in the budget. So while that money lasts, you still have a chance to earn some by finding vulnerabilities in PuTTY 0.71 or the development snapshots!

As before, vulnerabilities should be reported through the [HackerOne web site](#) in order to qualify for a bounty: if you send reports directly to the PuTTY team in the usual way, then we'll still fix them, but we can't provide money for them.

2019-03-16 PuTTY 0.71 released

PuTTY 0.71, released today, includes a large number of security fixes, many of which were found by the recent EU-funded HackerOne bug bounty. There are also other security enhancements (side-channel resistance), and a few new features. It's also the first release to be built for Windows on Arm.

2019-01-18 EU bug bounty for finding vulnerabilities in PuTTY

Putty를 통한 서버 접속

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Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

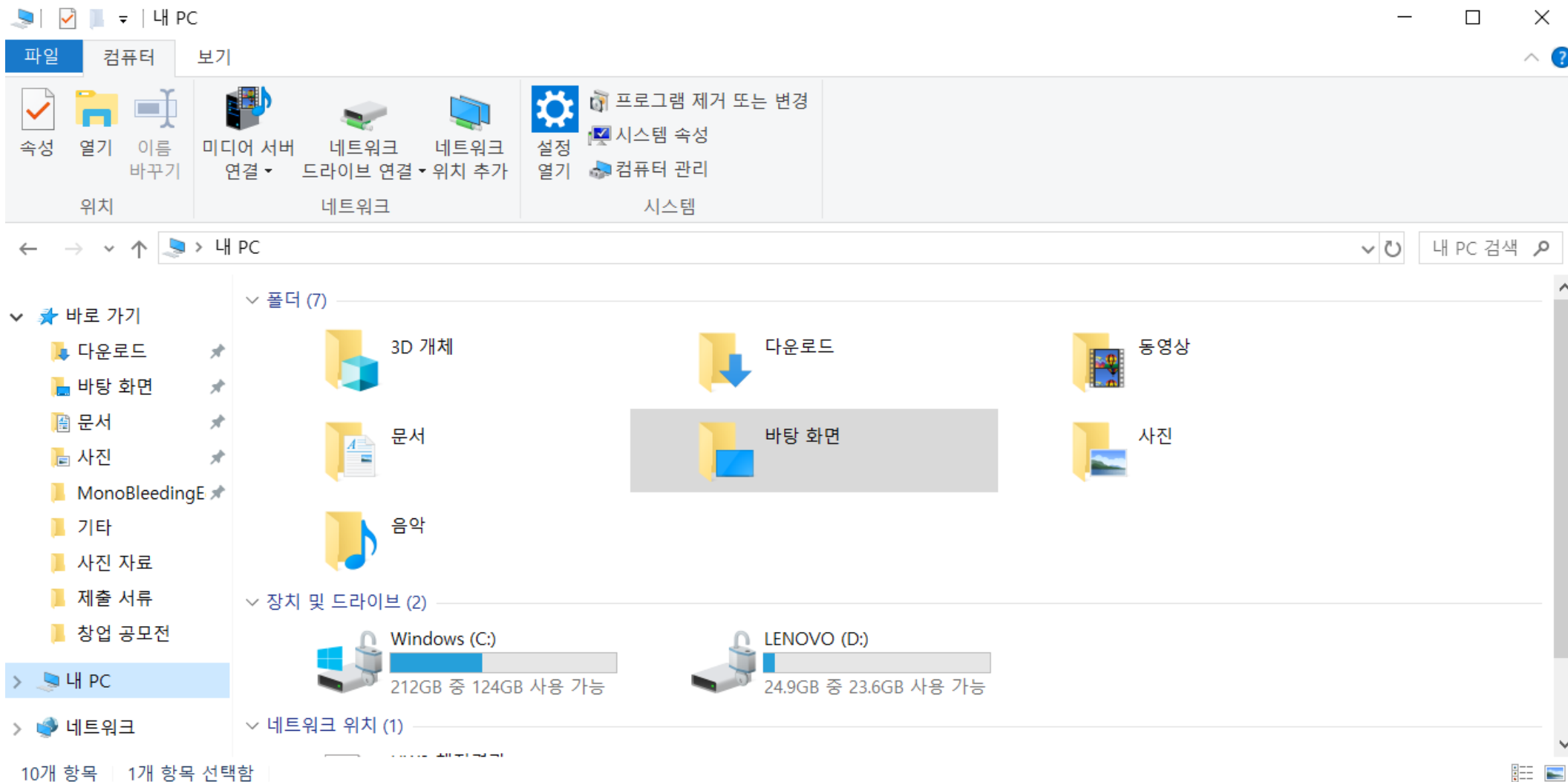
32-bit: [putty-0.71-installer.msi](#) ([or by FTP](#)) ([signature](#))

64-bit: [putty-64bit-0.71-installer.msi](#) ([or by FTP](#)) ([signature](#))

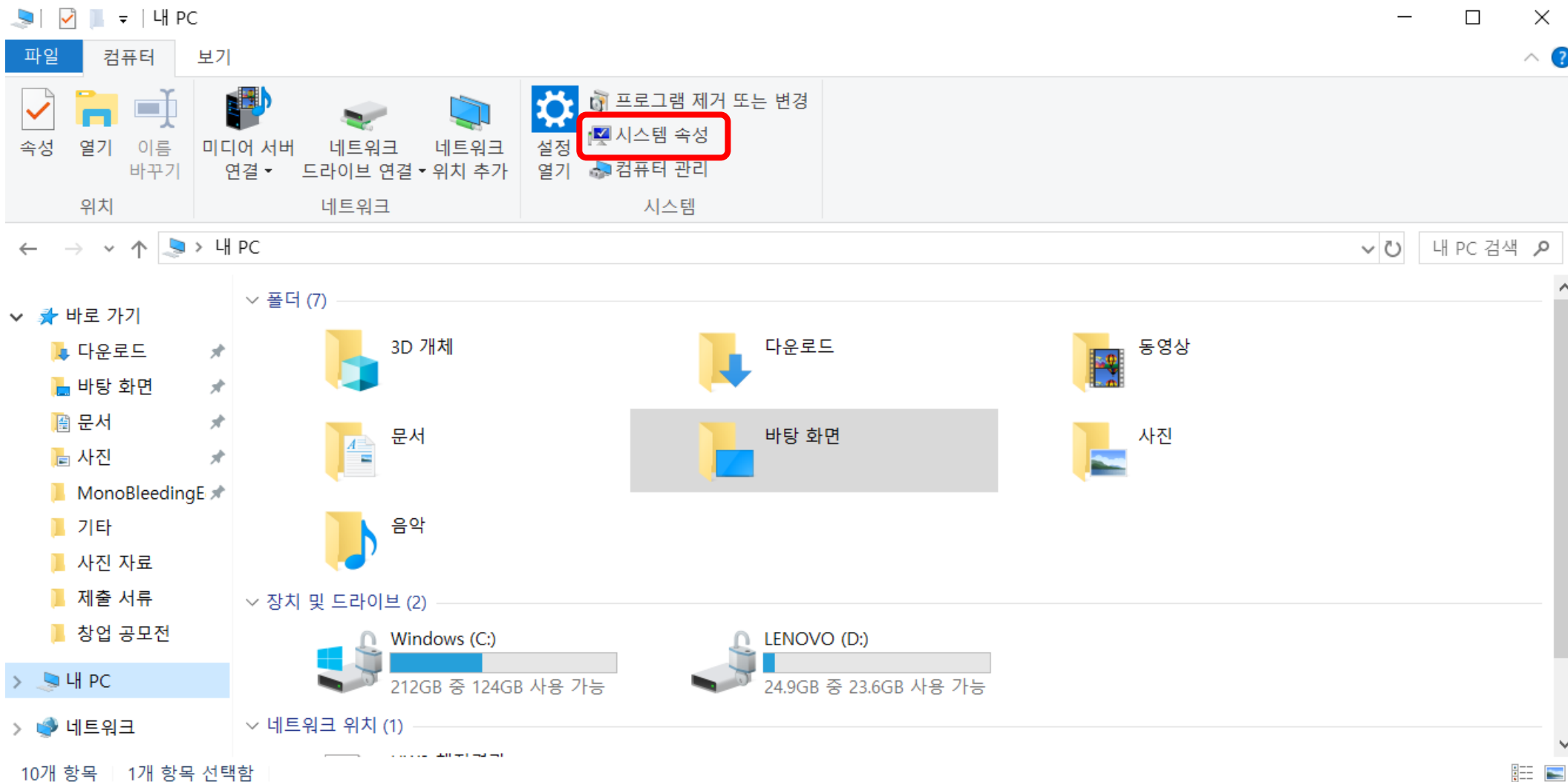
Unix source archive

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Putty를 통한 서버 접속

디바이스 사양

ideapad 720S-13IKB

디바이스 이름 LAPTOP-1C9HKJ6V

프로세서 Intel(R) Core(TM) i7-8550U CPU @ 1.80GHz
1.99 GHz

설치된 RAM 8.00GB(7.85GB 사용 가능)

디바이스 ID

제품 ID

시스템 종류 64비트 운영 체제, x64 기반 프로세서

펜 및 터치 이 디스플레이에 사용할 수 있는 펜 또는 터치식
입력이 없습니다.

이 PC의 이름 바꾸기

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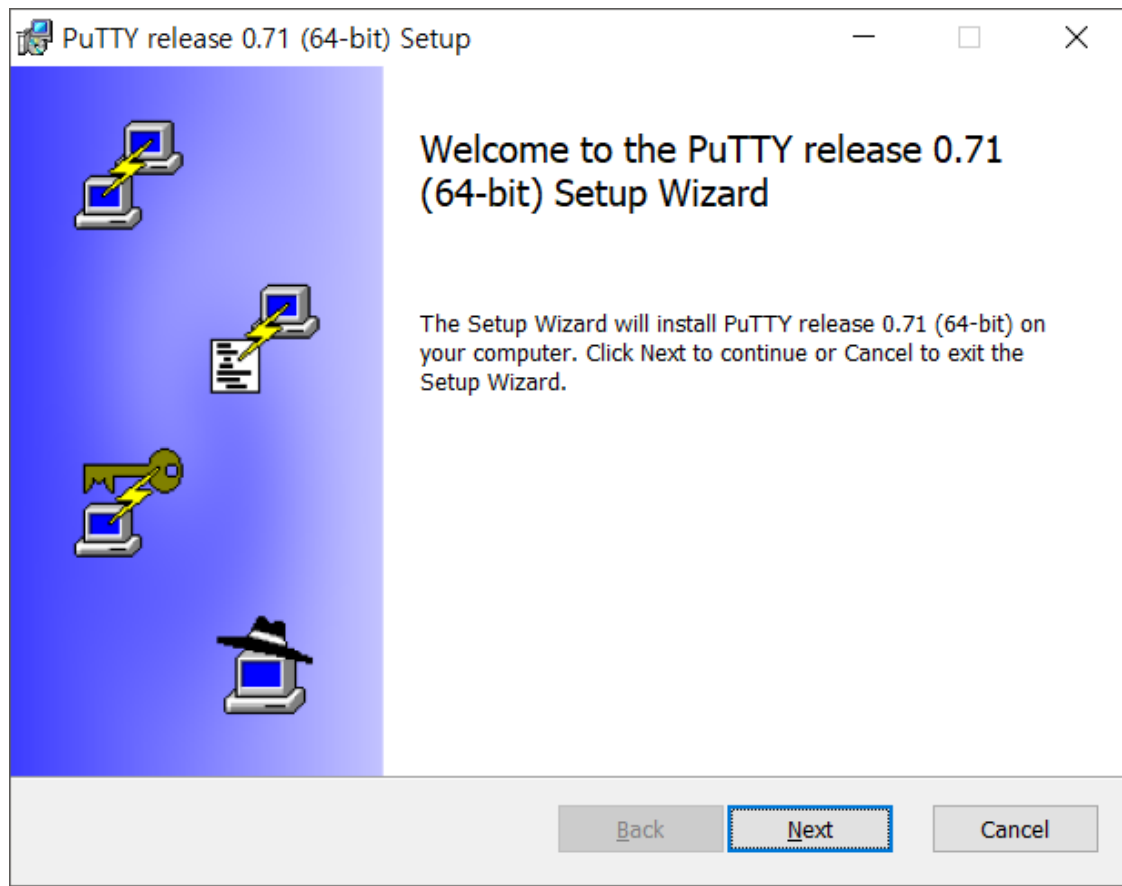
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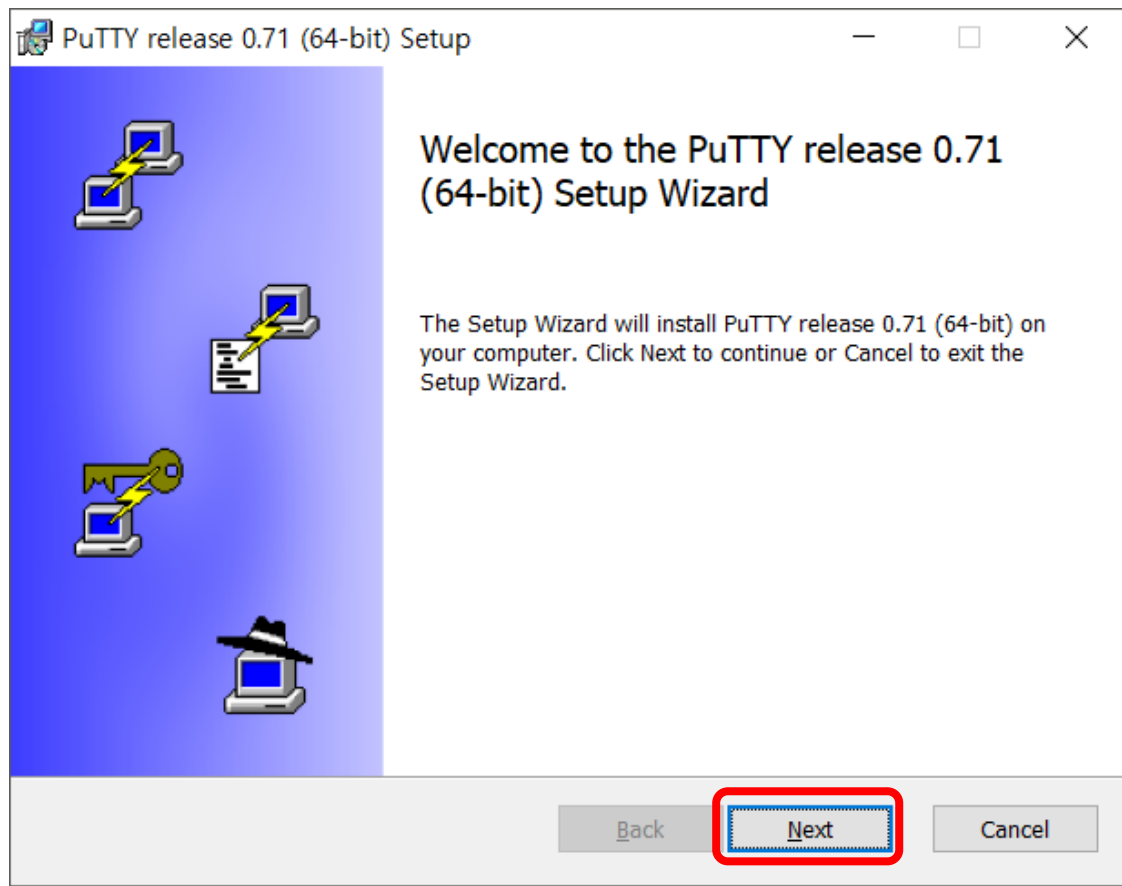
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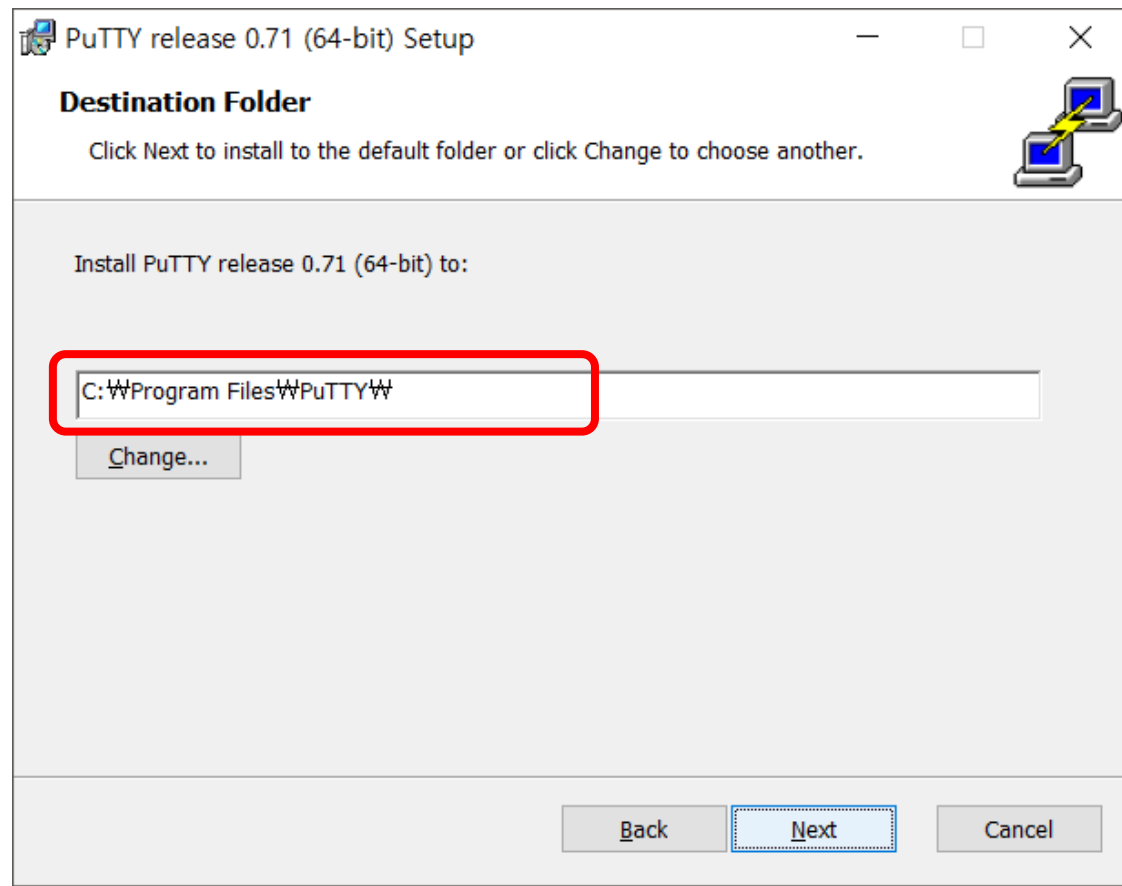
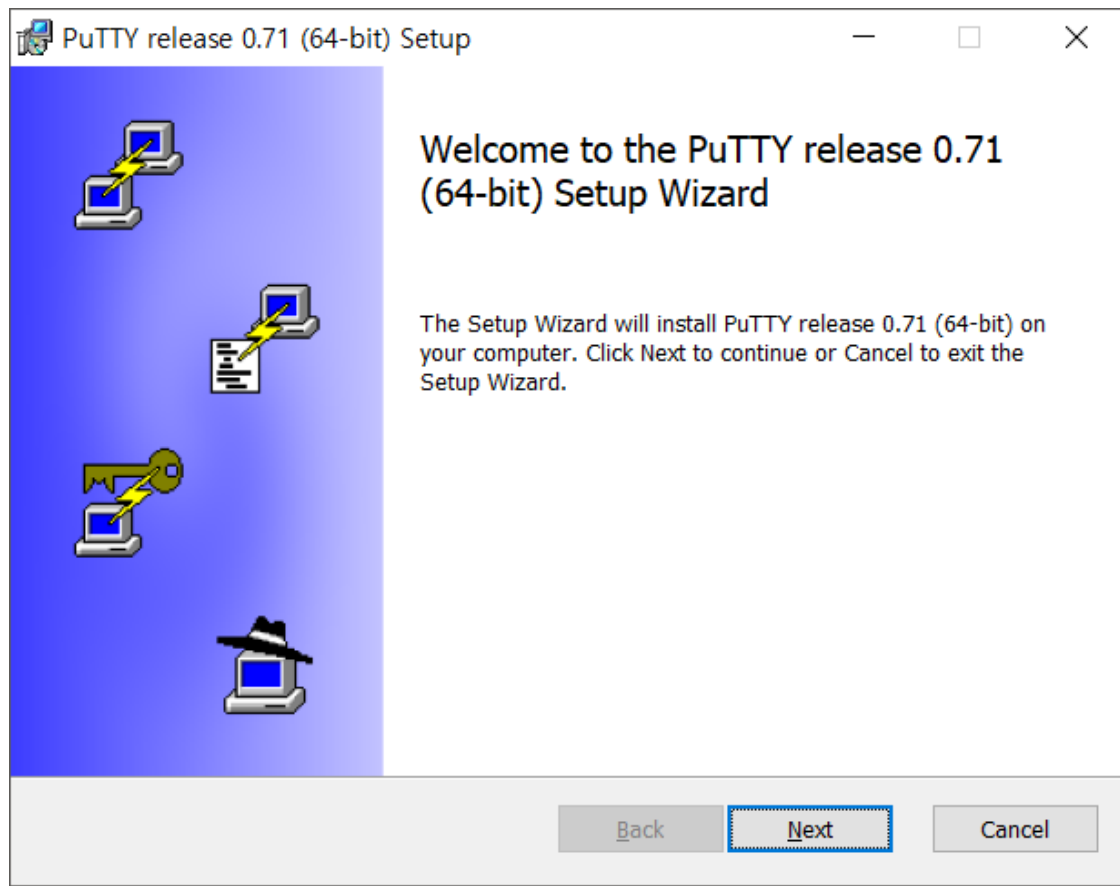
PuTTY를 통한 서버 접속



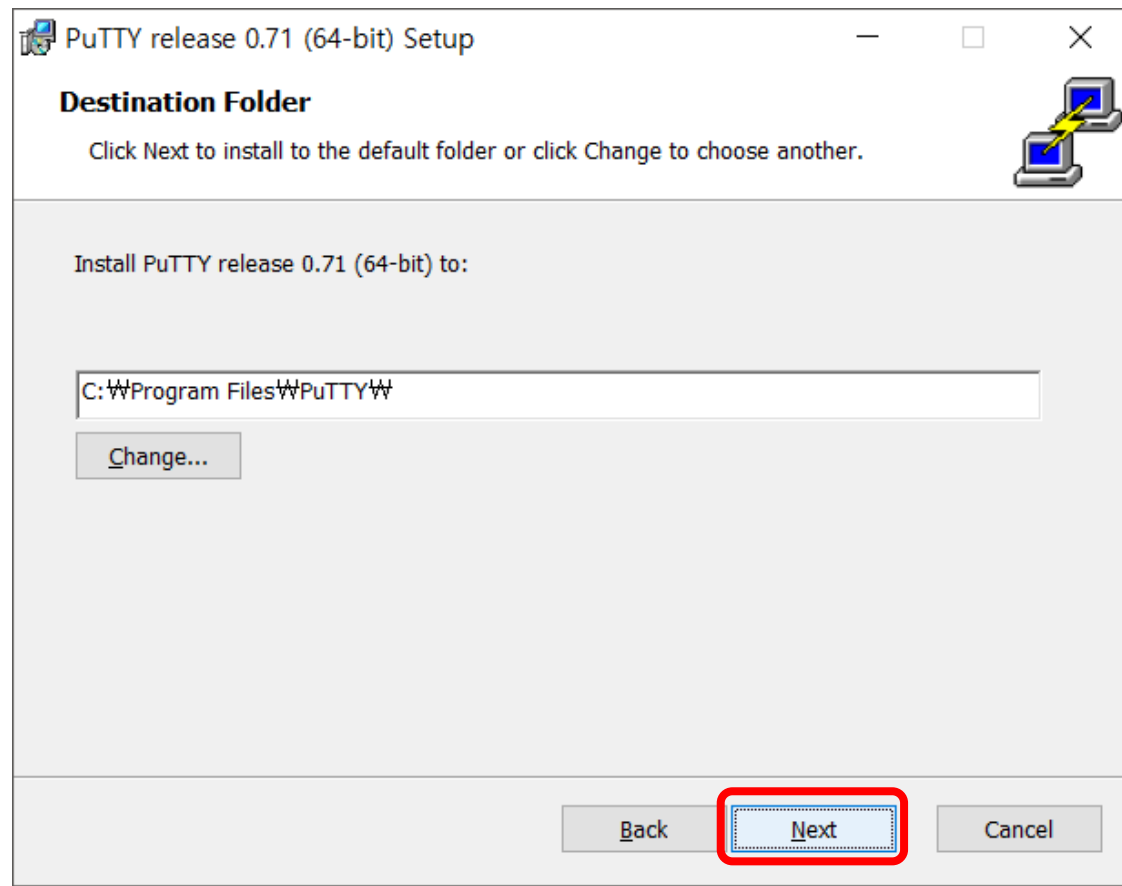
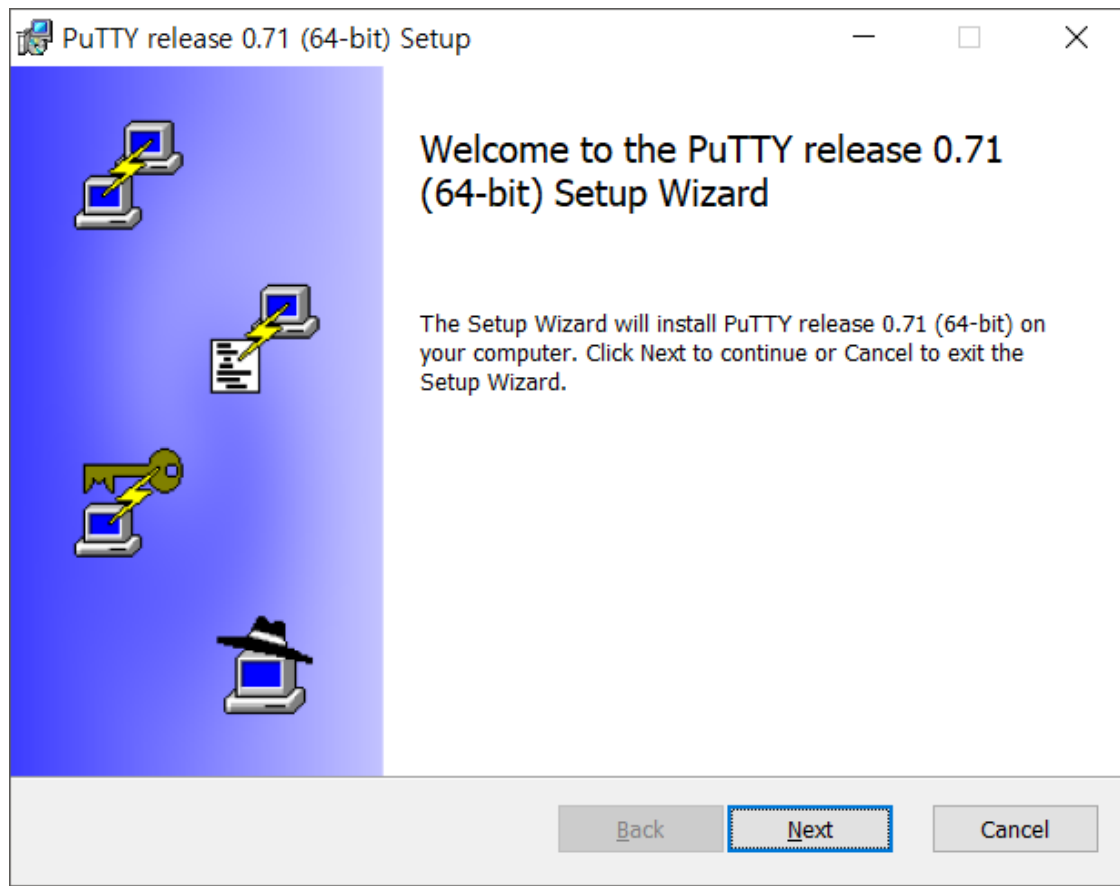
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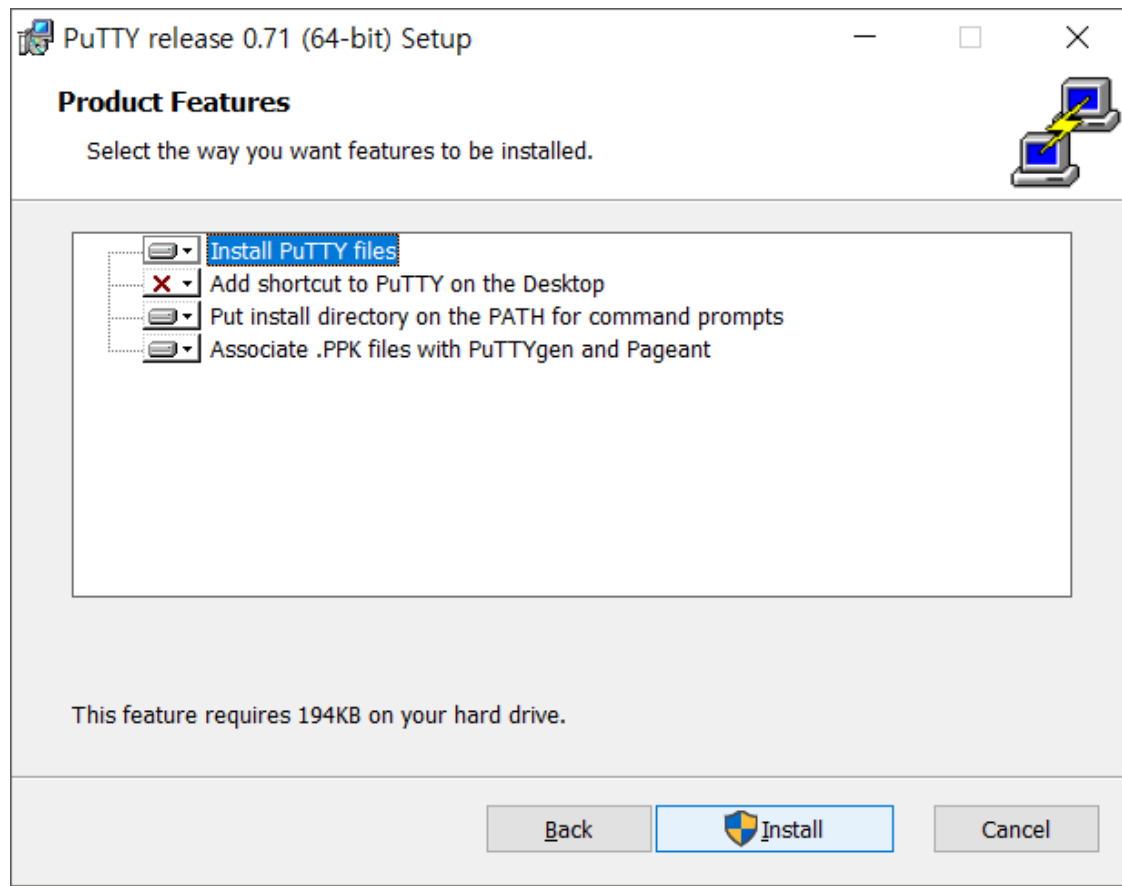
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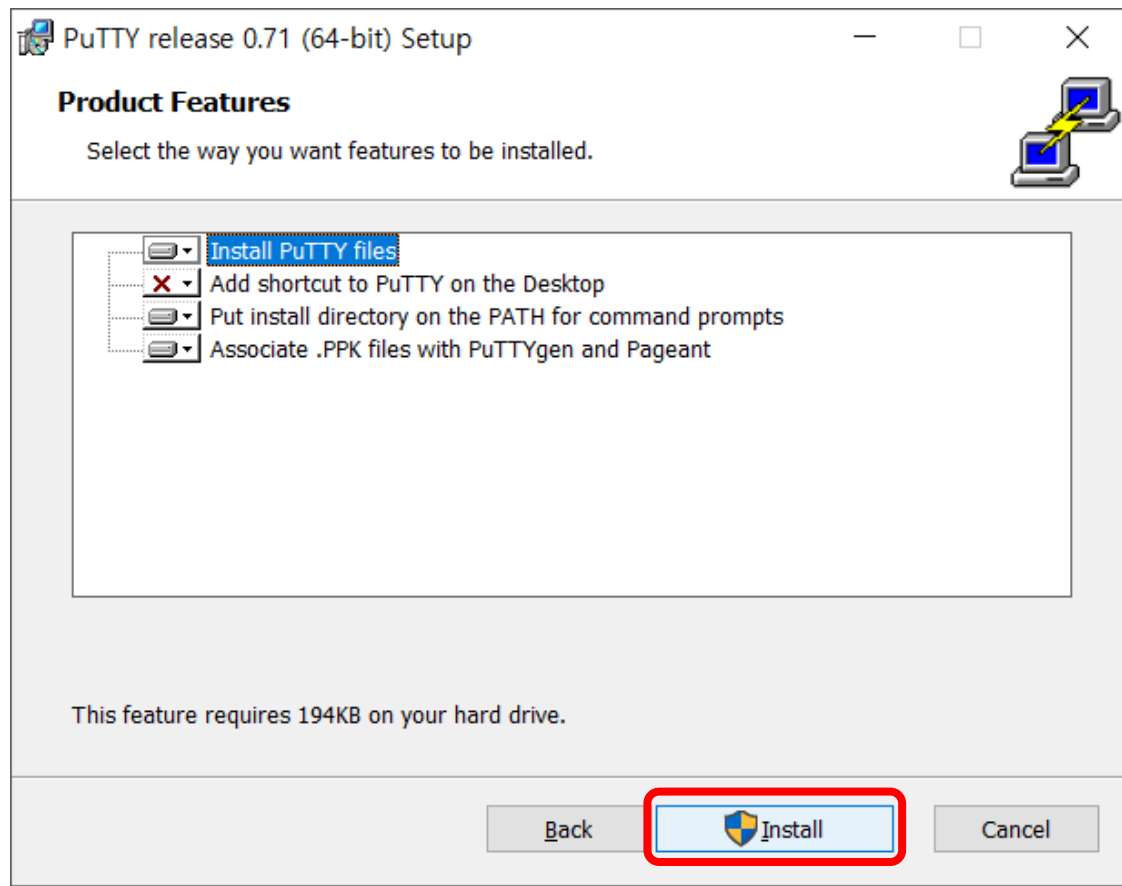
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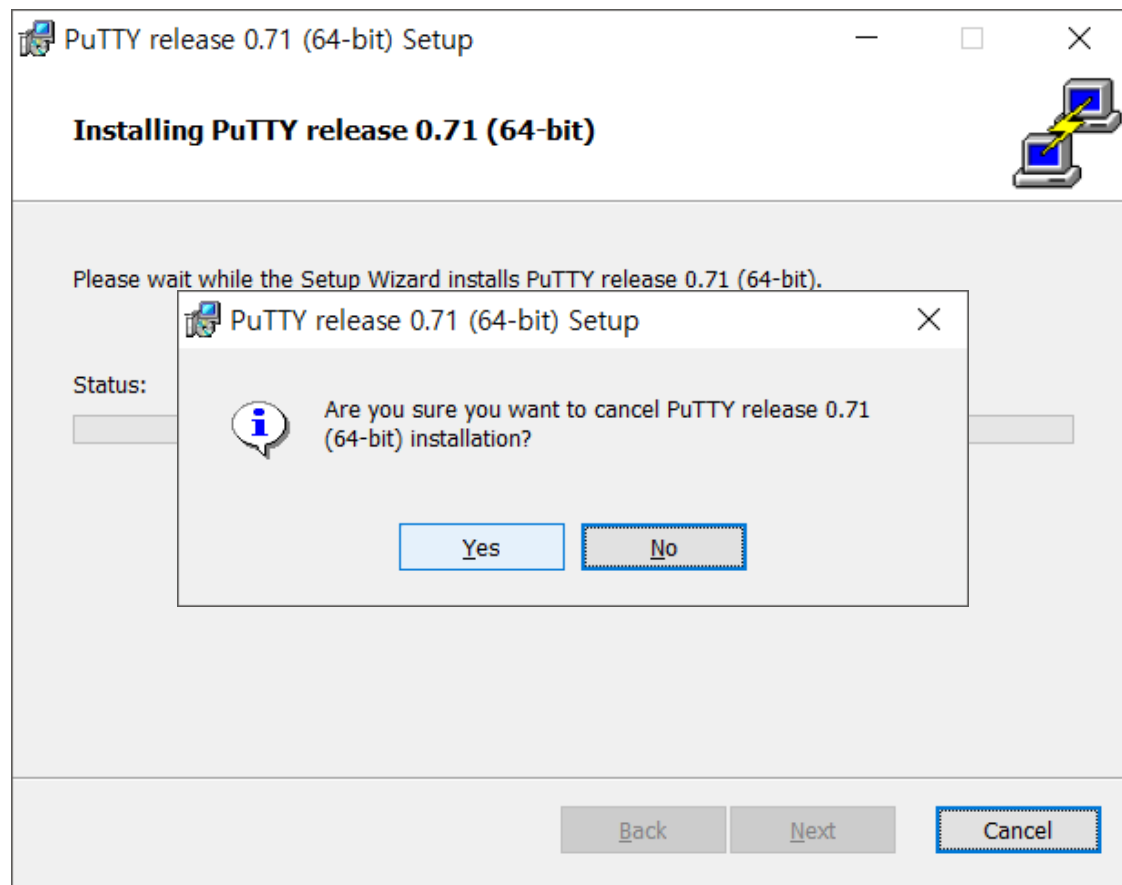
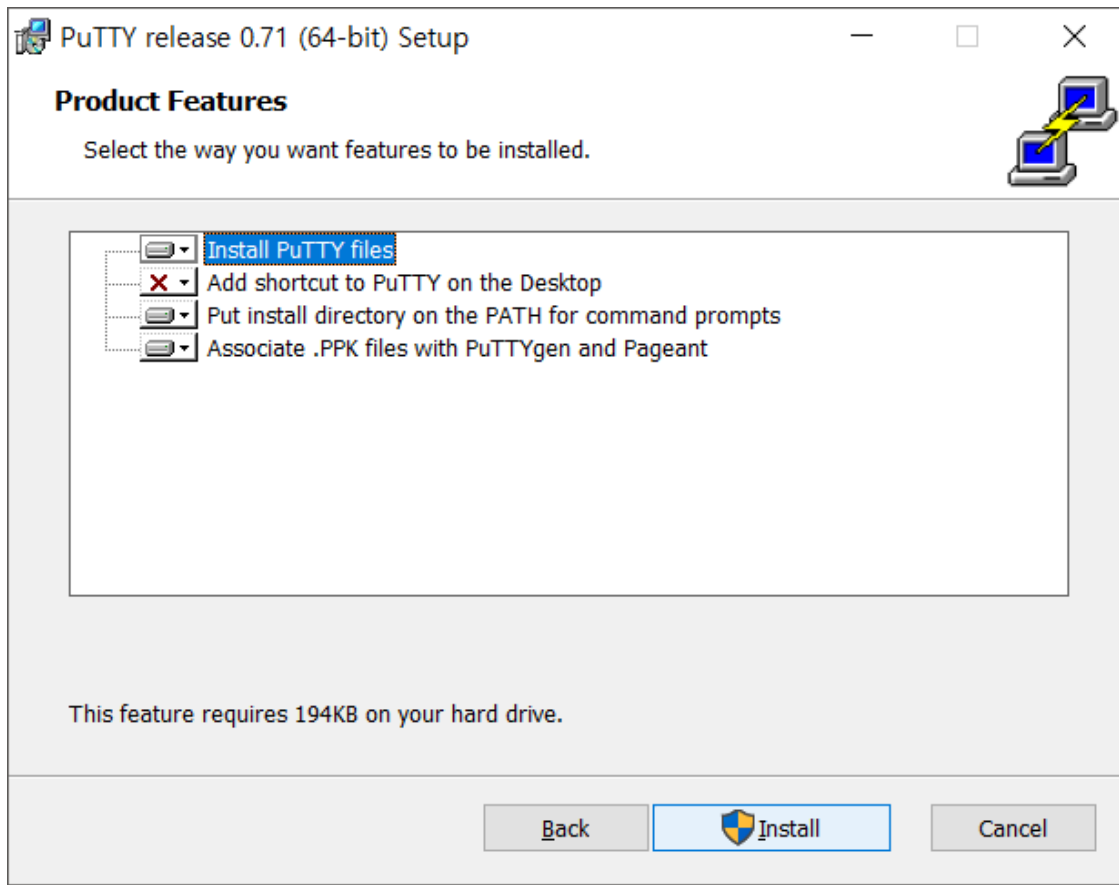
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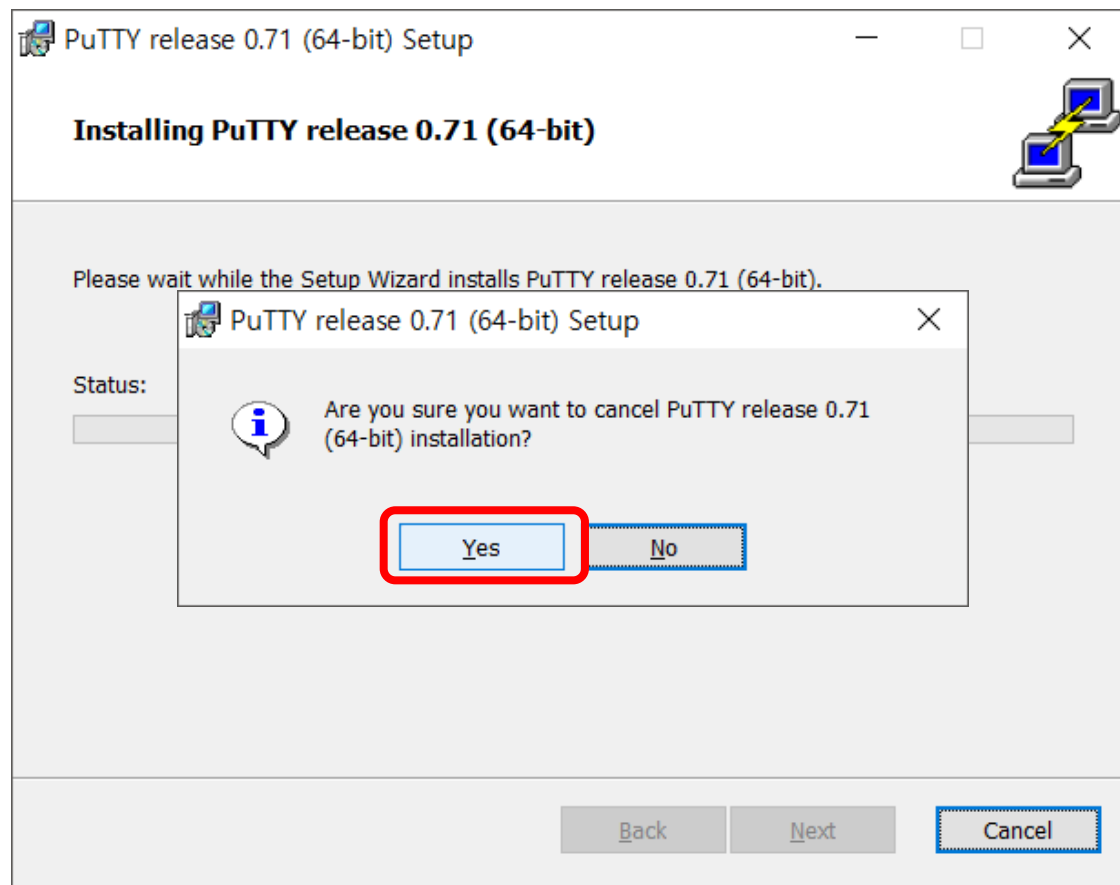
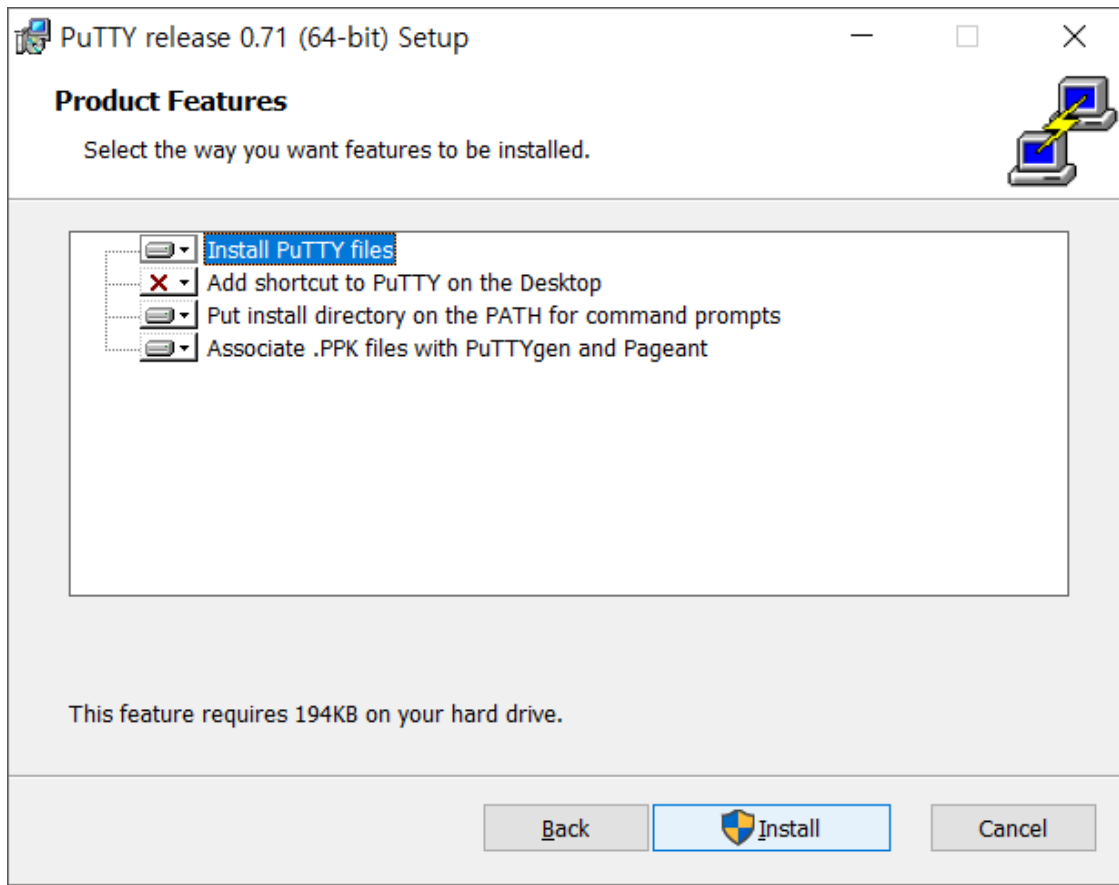
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Putty를 통한 서버 접속

인스턴스 시작 | 연결 | 작업

태그 및 속성별 필터 또는 키워드별 검색

Name	인스턴스 ID	인스턴스 유형	가용 영역	인스턴스 상태	상태 검사	경보 상태	퍼블릭 DNS(IPv4)	IPv4 퍼블릭 IP	IPv6 IP
	i-08b64a16d50015ae	t2.micro	ap-northeast-2a	running	2/2 검사 통과	없음	ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com	13.209.50.166	-

PuTTY Configuration

Category: Session

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address): 13.209.50.166 Port: 22

Connection type: ☐ Raw ☐ Telnet ☐ Rlogin ☒ SSH ☐ Serial

Load, save or delete a stored session

Saved Sessions: Default Settings

Load Save Delete

Close window on exit: ☐ Always ☐ Never ☒ Only on clean exit

About Help Open Cancel

인스턴스: i-08b64a16d50015ae

설명 상태

compute.amazonaws.com

퍼블릭 DNS(IPv4) ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com

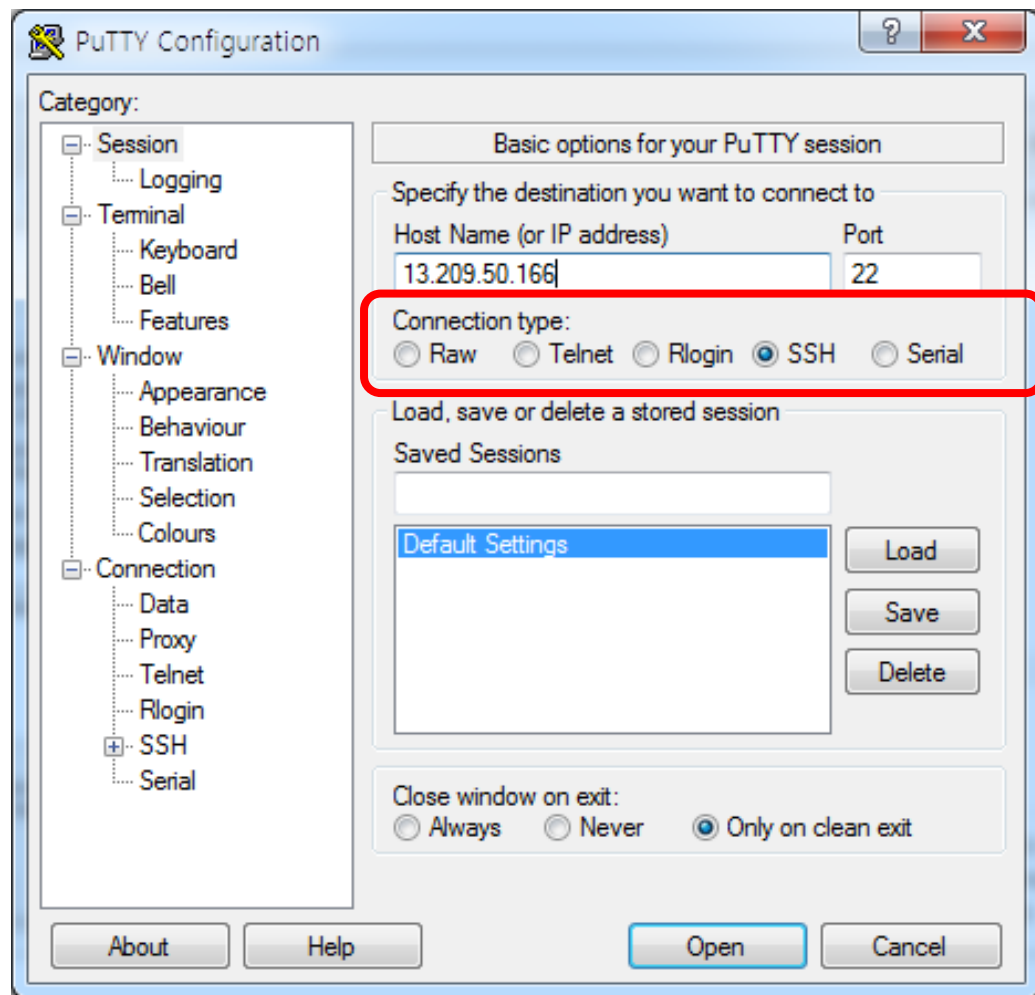
IPv4 퍼블릭 IP 13.209.50.166

Putty를 통한 서버 접속

The screenshot displays the AWS Management Console interface. At the top, there are buttons for '인스턴스 시작' (Start Instance), '연결' (Connect), and '작업' (Actions). Below these is a search bar and a table of EC2 instances. The table has columns for Name, 인스턴스 ID (Instance ID), 인스턴스 유형 (Instance Type), 가용 영역 (Availability Zone), 인스턴스 상태 (Instance State), 상태 검사 (Status Checks), 경보 상태 (Alarm State), 퍼블릭 DNS(IPv4) (Public DNS (IPv4)), IPv4 퍼블릭 IP (IPv4 Public IP), and IPv6 IP (IPv6 IP). One instance is visible with ID 'i-08bf64c16d50015ae', type 't2.micro', and state 'running'. Its IPv4 Public IP is '13.209.50.166', which is highlighted with a red box. A red arrow points from this IP to the 'Host Name (or IP address)' field in the PuTTY Configuration dialog box. The dialog box is open, showing the 'Session' category selected in the left sidebar. The 'Basic options for your PuTTY session' section is active, with 'Host Name (or IP address)' set to '13.209.50.166' and 'Port' set to '22'. The 'Connection type' is set to 'SSH'. The 'Load, save or delete a stored session' section shows 'Default Settings' as the selected session. The 'Close window on exit' section has 'Only on clean exit' selected. The 'Open' button is highlighted at the bottom of the dialog box.

Host Name : Public Domain Name(or IP) 입력
Port : 22
Protocol : SSH

Putty를 통한 서버 접속



Putty를 통한 서버 접속

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	i-08bf64c16d50015ae	t2.micro	ap-northeast-2c	running	2/2 검사 통과	없음	ec2-13-209-50-166.ap-...	13.209.50.166	-

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Connection type: ☐ Raw ☐ Telnet ☐ Rlogin ☒ SSH ☐ Serial

Load, save or delete a stored session

Saved Sessions: [Empty]

Default Settings: [Empty]

Close window on exit: ☐ Always ☐ Never ☒ Only on clean exit

Buttons: About, Help, Open, Cancel

인스턴스: i-08

설명 상태

pute.amazonaws.com

퍼블릭 DNS(IPv4) ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com

IPv4 퍼블릭 IP 13.209.50.166

Private Key 필요

키 변환

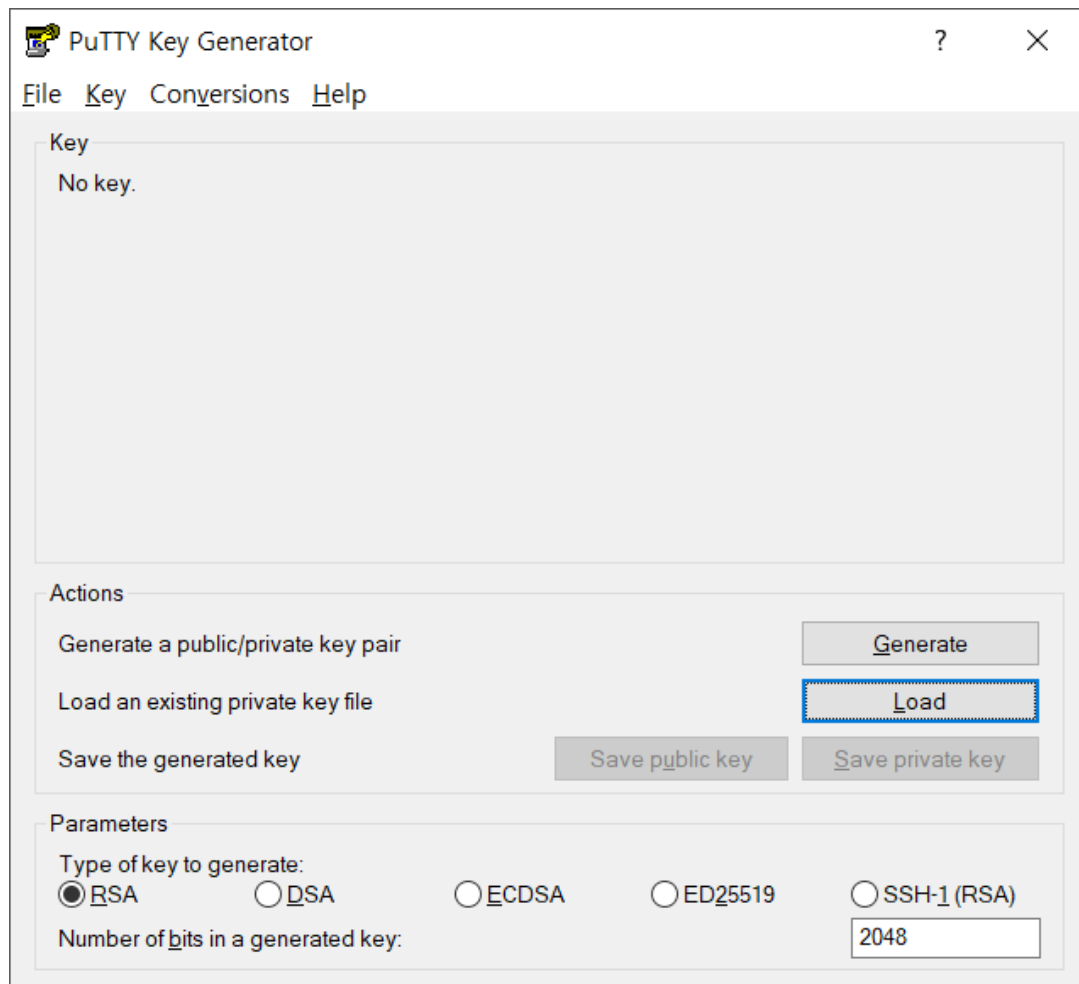
- AWS private key type : .pem
- Putty private key type : .ppk

=> Putty 접속을 위해서 키 변환 필요

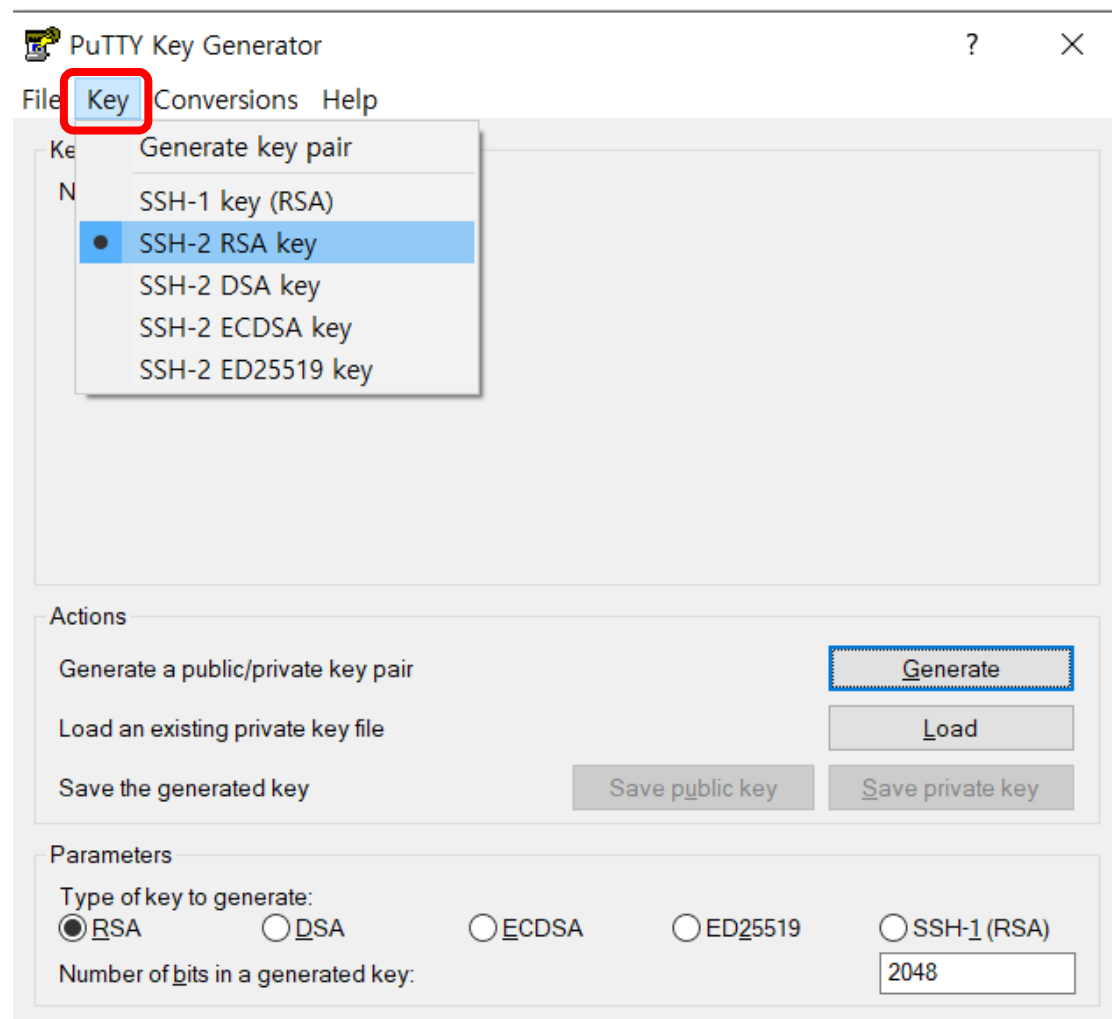
프로그램 실행



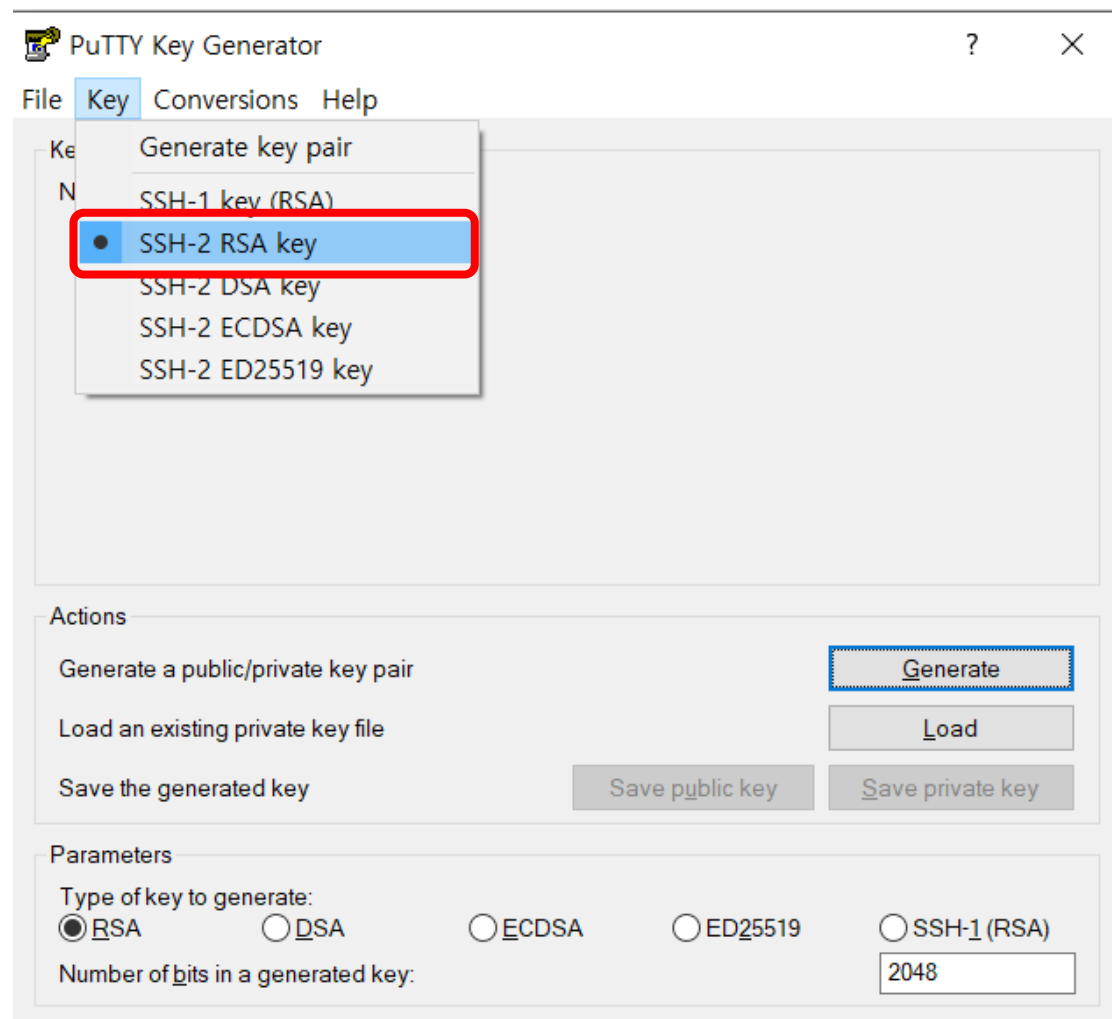
프로그램 실행



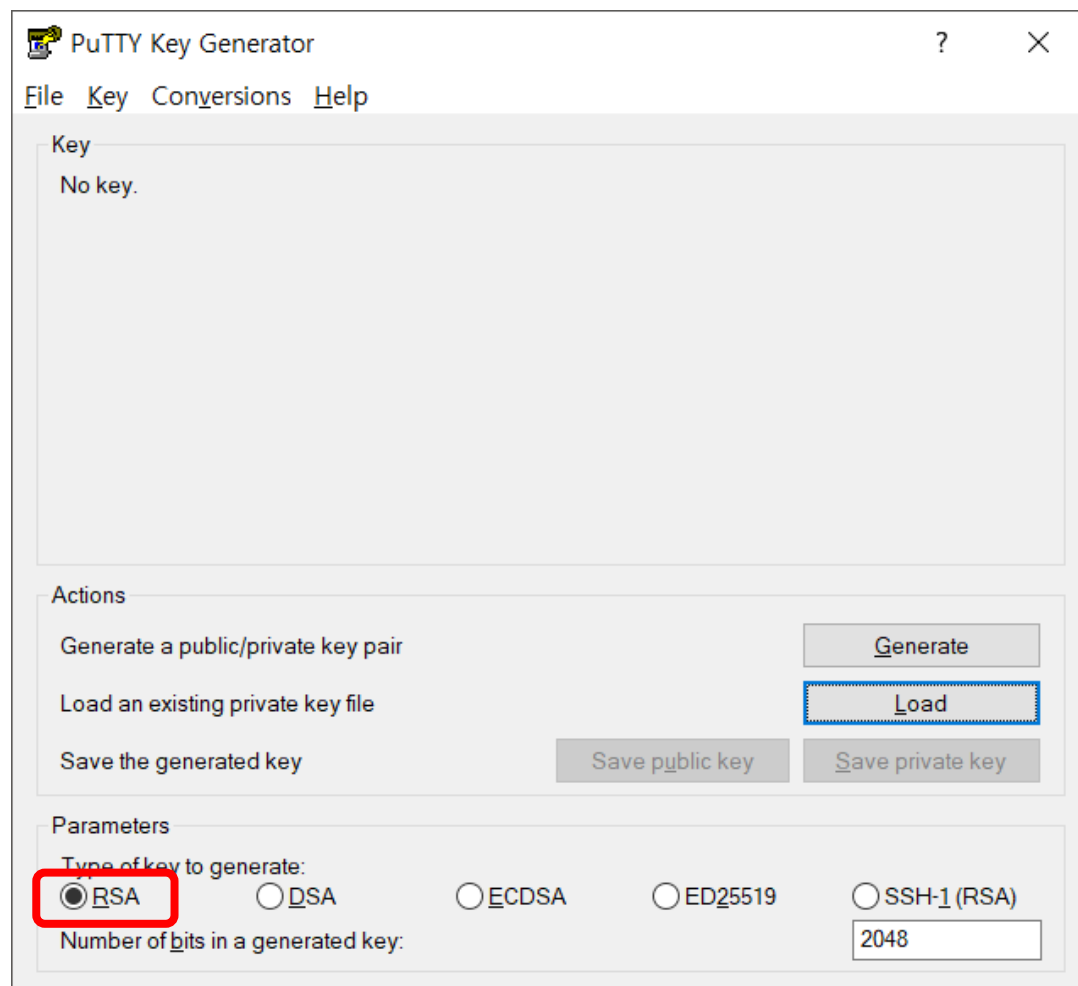
프로그램 실행



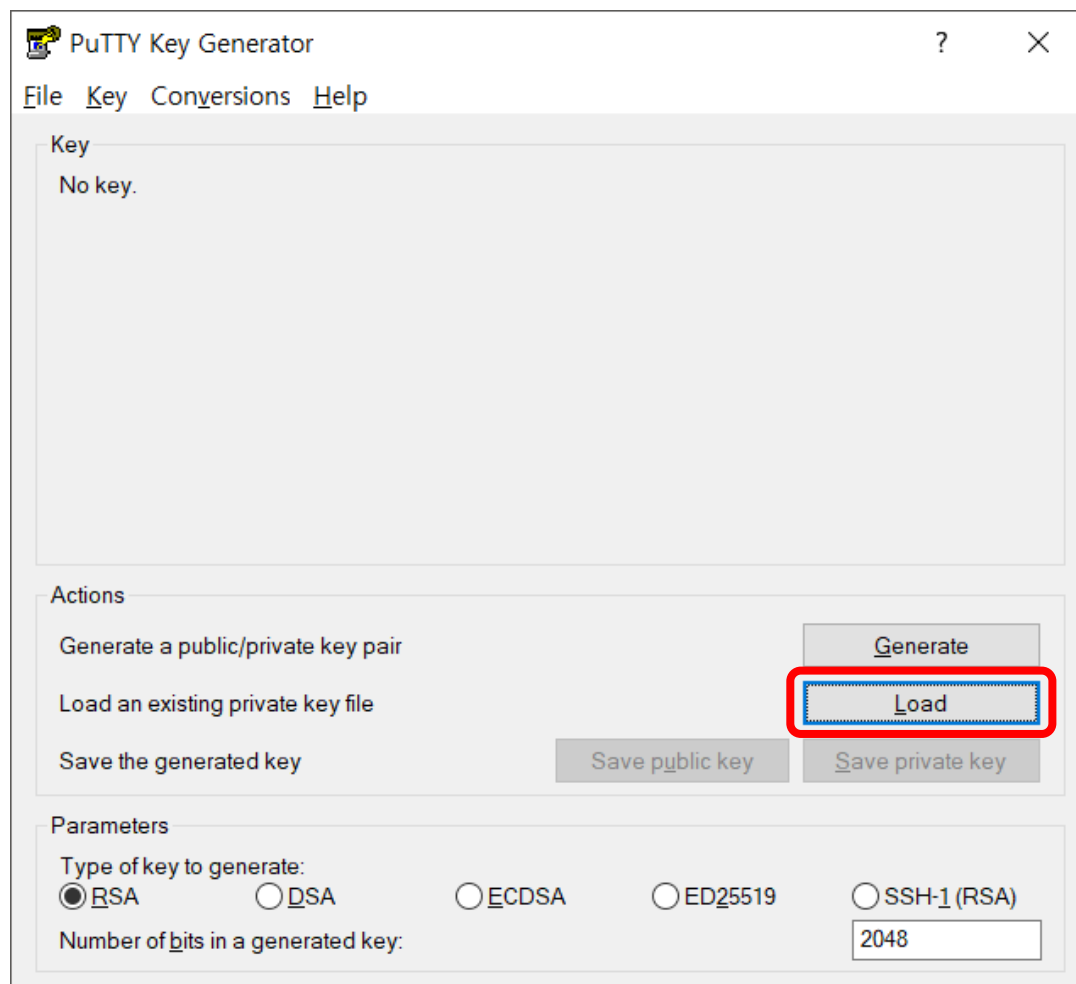
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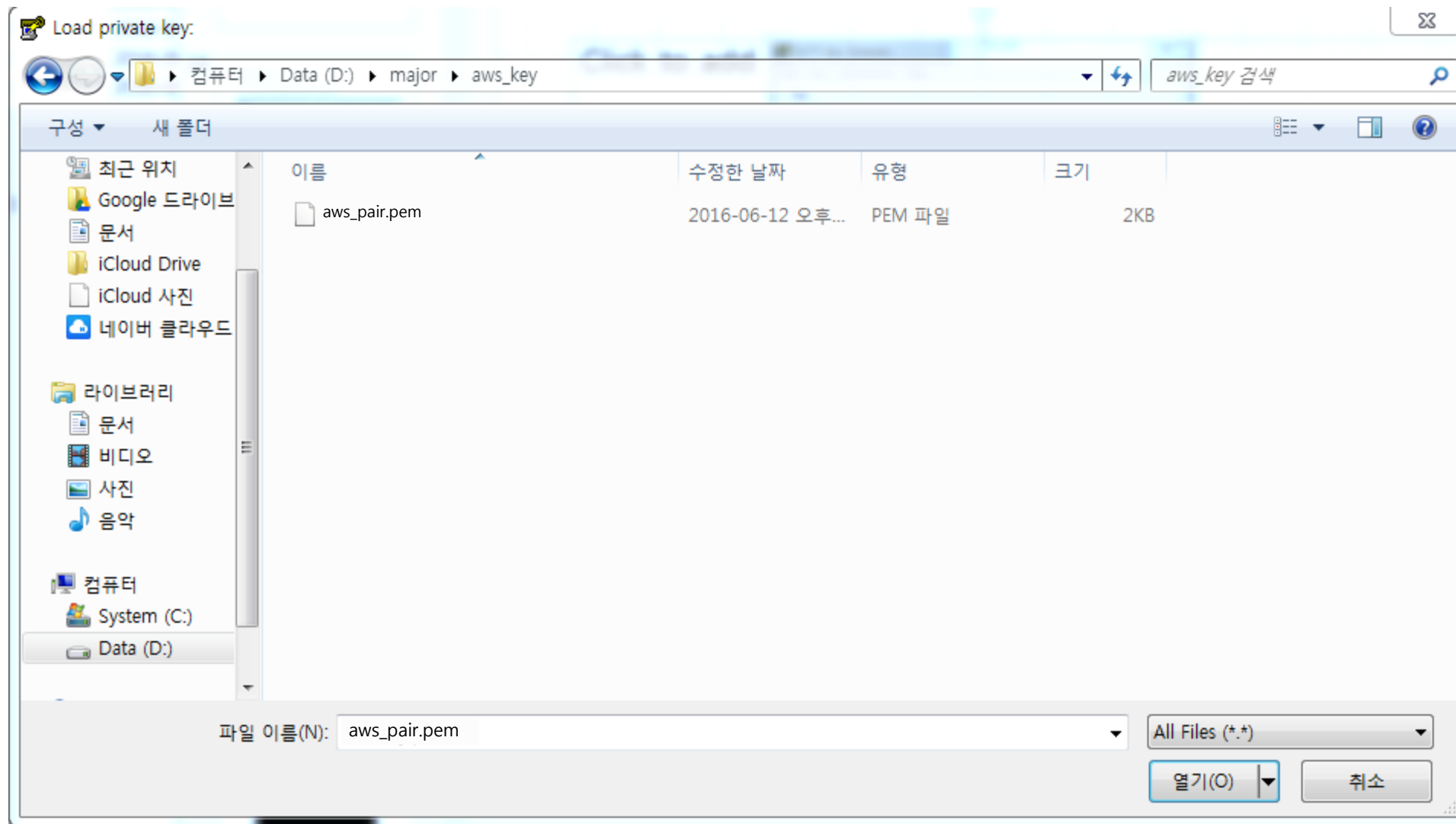
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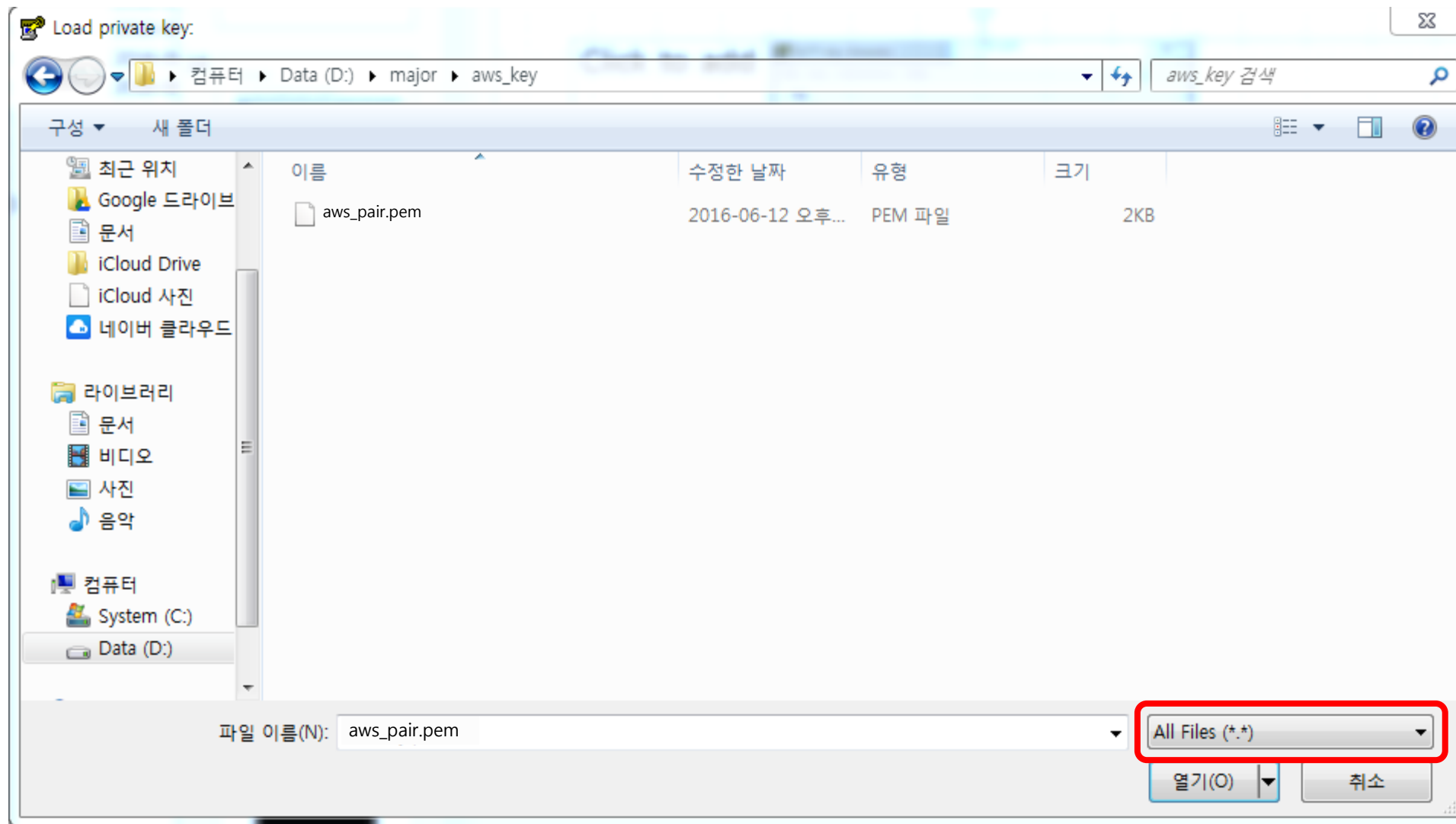
프로그램 실행



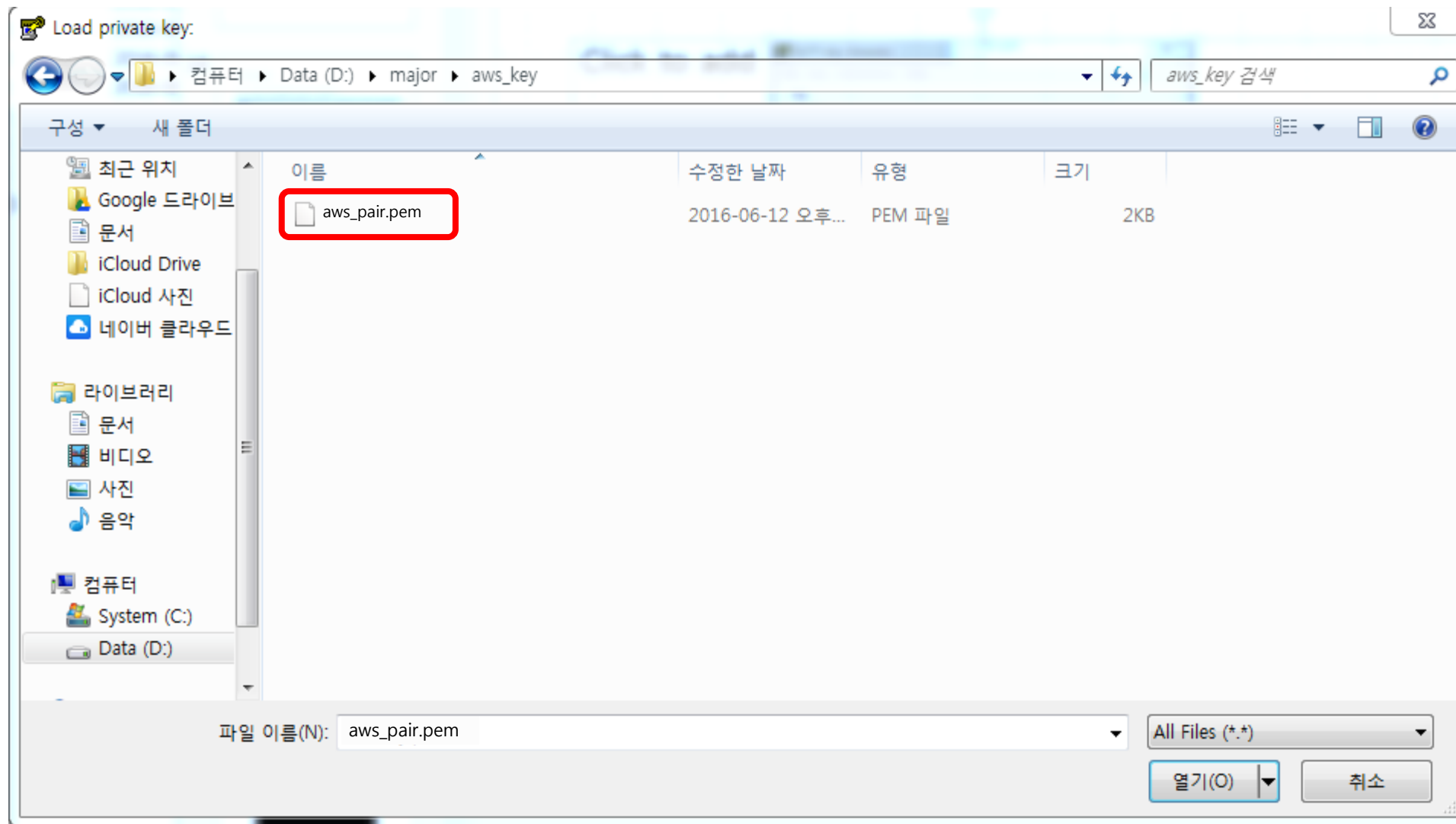
키 불러오기



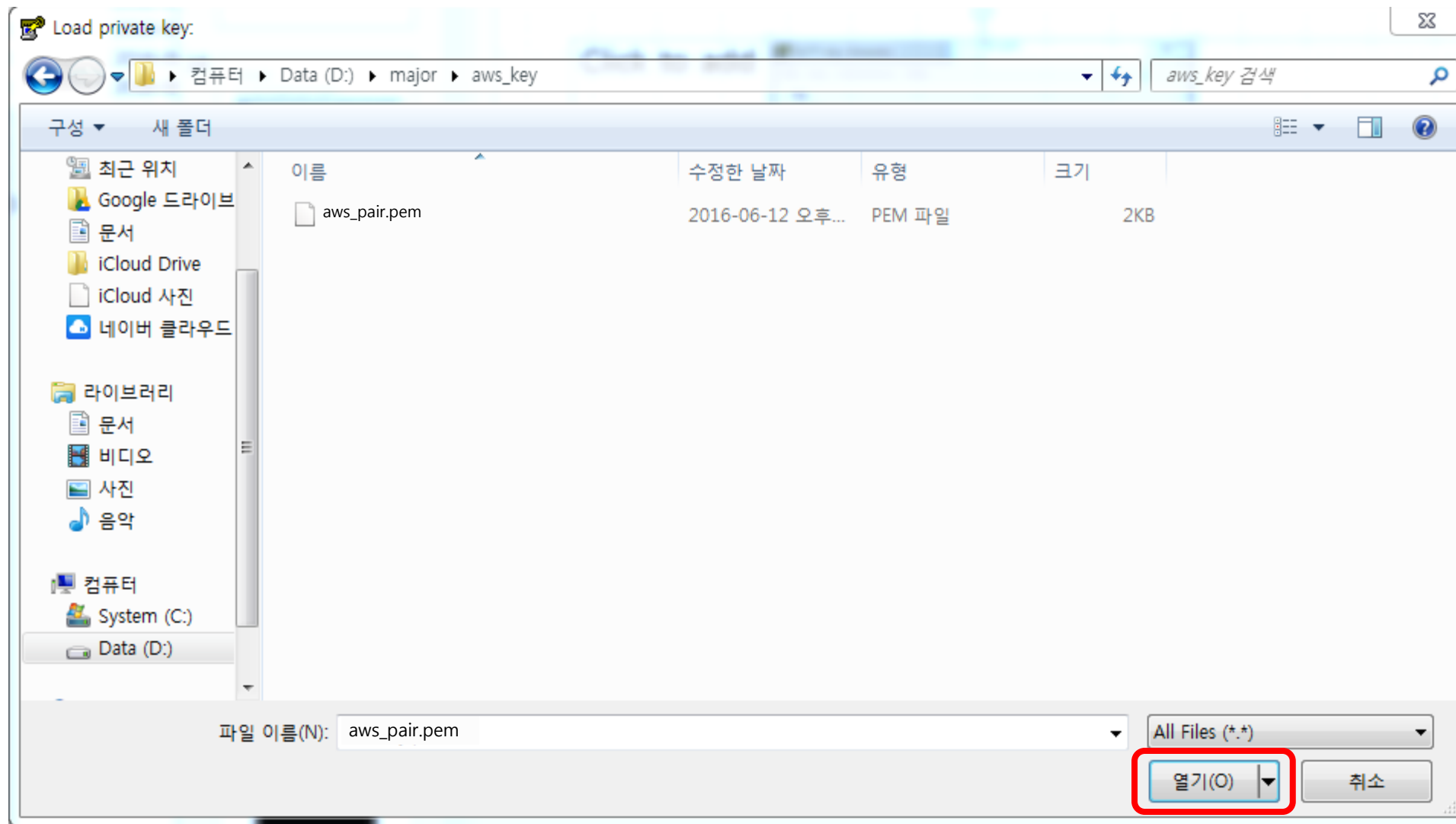
키 불러오기



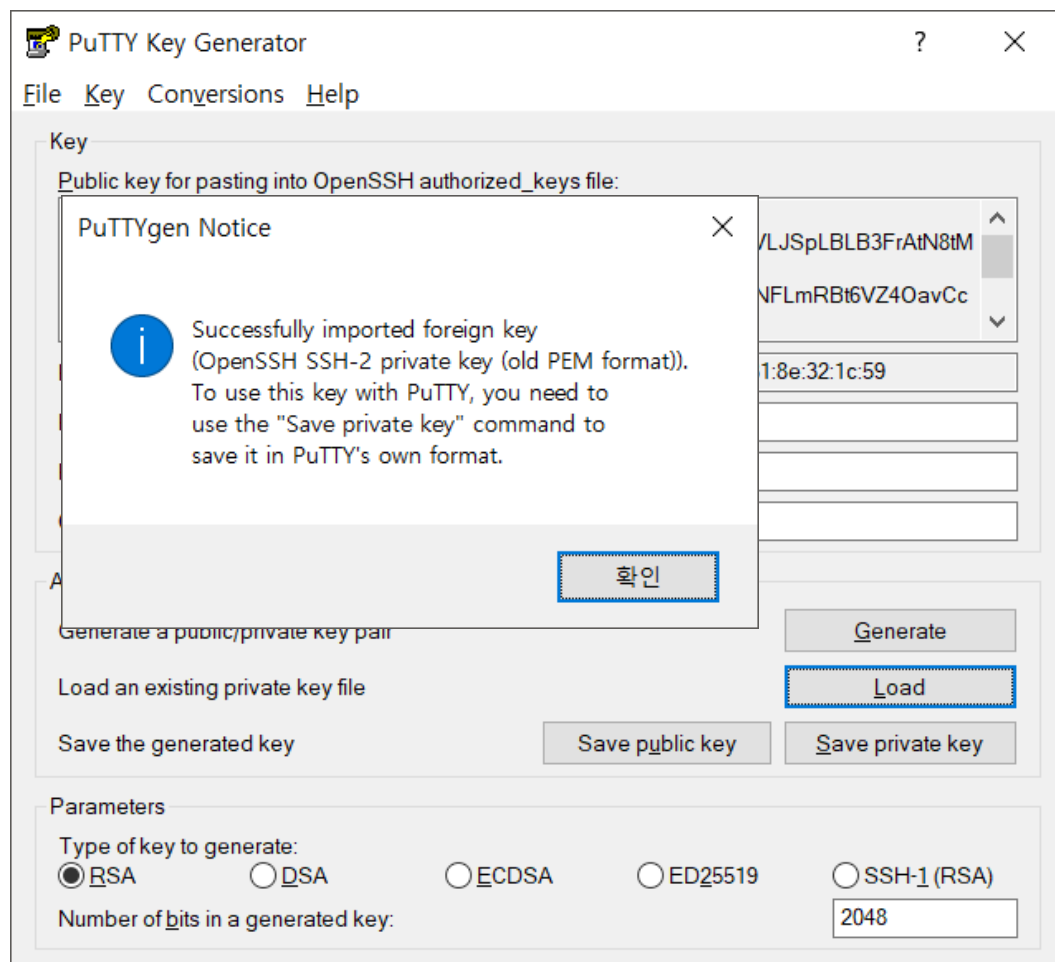
키 불러오기



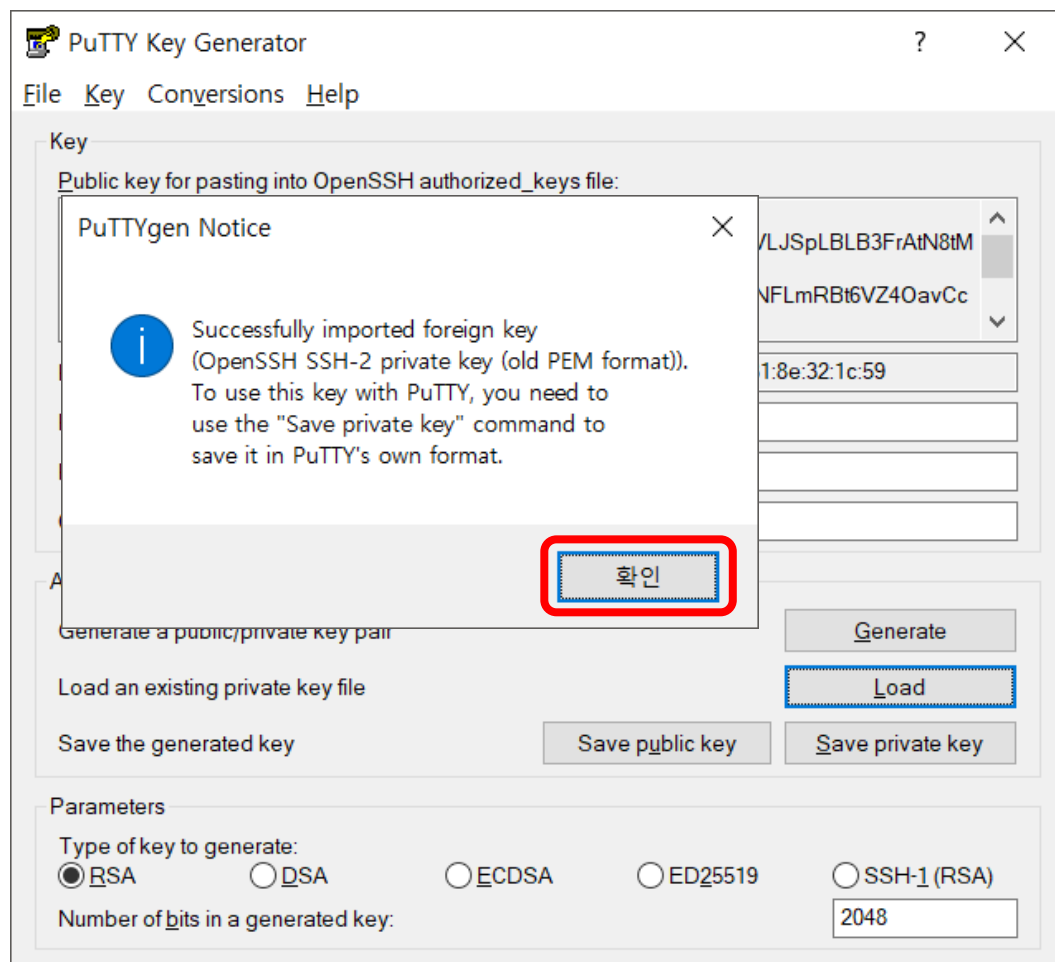
키 불러오기



키 저장



키 저장



키 저장

PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCMUTHMyusrXKDOM0j42VLJSplBLB3FrAtN8tM
vH15LG0NMVfJoSMyp8W5OYj8m/3OYaWTD9/ULZPnK/iJ7M/UwKnl
+7tnZS4TpkJmQ5gsp0zPC18k/BJmqiGfAF8KUX5FyW63Wsj3hnOra2NFLmRBt6VZ4OavCc
4f6oZZ
```

Key fingerprint: ssh-rsa 2048 99:f4:b6:cd:4d:70:b4:08:85:e4:51:31:8e:32:1c:59

Key comment: imported-openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:

☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

키 저장

PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCMUTHMyusrXKDOM0j42VLJSPLBLB3FrAtN8tM
vH15LG0NMVfJoSMyp8W5OYj8m/3OYaWTD9/ULZPNK/iJ7M/UwKnl
+7tnZS4TpkJmQ5gsp0zPC18k/BJmqiGfAF8KUX5FyW63Wsj3hnOra2NFLmRBt6VZ4OavCc
4f6oZZ
```

Key fingerprint: ssh-rsa 2048 99:f4:b6:cd:4d:70:b4:08:85:e4:51:31:8e:32:1c:59

Key comment: imported-openssh-key

Key passphrase:

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☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCMUTHMyusrXKDOM0j42VLJSPLBLB3FrAtN8tM
vH15LG0NMVfJoSMyp8W5OYj8m/3OYaWTD9/ULZPNK/iJ7M/UwKnl
+7tnZS4TpkJmQ5gsp0zPC18k/BJmqiGfAF8KUX5FyW63Wsj3hnOra2NFLmRBt6VZ4OavCc
4f6oZZ
```

Key fingerprint: ssh-rsa 2048 99:f4:b6:cd:4d:70:b4:08:85:e4:51:31:8e:32:1c:59

Key comment:

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:

☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

PuTTYgen Warning

Are you sure you want to save this key without a passphrase to protect it?

키 저장

PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCMUTHMyusrXKDOM0j42VLJSPLBLB3FrAtN8tM
vH15LG0NMVfJoSMyp8W5OYj8m/3OYaWTD9/ULZPNk/iJ7M/UwKnl
+7tnZS4TpkJmQ5gsp0zPC18k/BJmqqiGfAF8KUX5FyW63Wsj3hnOra2NFLmRBt6VZ4OavCc
4f6oZZ
```

Key fingerprint: ssh-rsa 2048 99:f4:b6:cd:4d:70:b4:08:85:e4:51:31:8e:32:1c:59

Key comment: imported-openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:

☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCMUTHMyusrXKDOM0j42VLJSPLBLB3FrAtN8tM
vH15LG0NMVfJoSMyp8W5OYj8m/3OYaWTD9/ULZPNk/iJ7M/UwKnl
+7tnZS4TpkJmQ5gsp0zPC18k/BJmqqiGfAF8KUX5FyW63Wsj3hnOra2NFLmRBt6VZ4OavCc
4f6oZZ
```

Key fingerprint: ssh-rsa 2048 99:f4:b6:cd:4d:70:b4:08:85:e4:51:31:8e:32:1c:59

Key comment:

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:

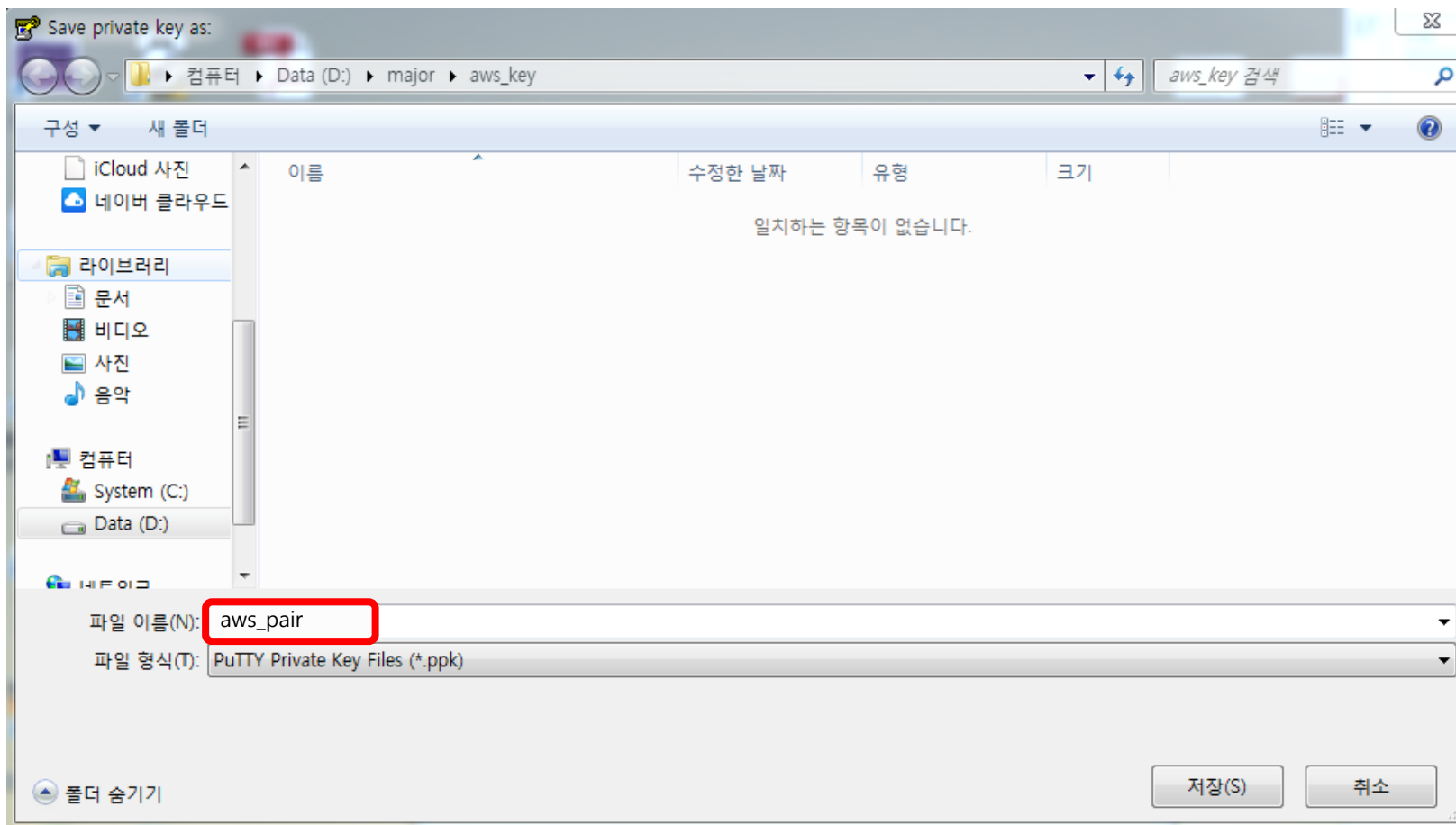
☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

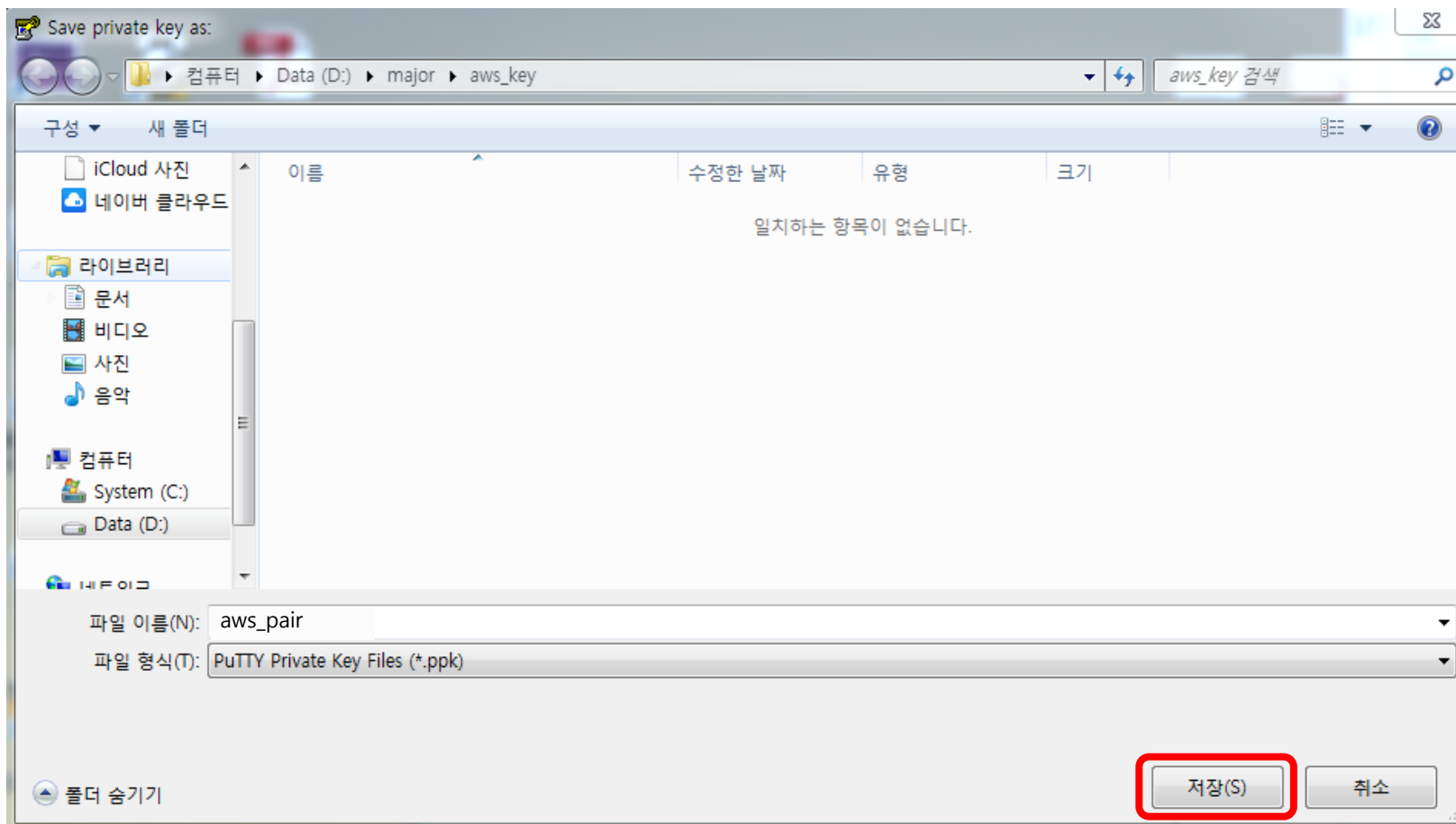
PuTTYgen Warning

Are you sure you want to save this key without a passphrase to protect it?

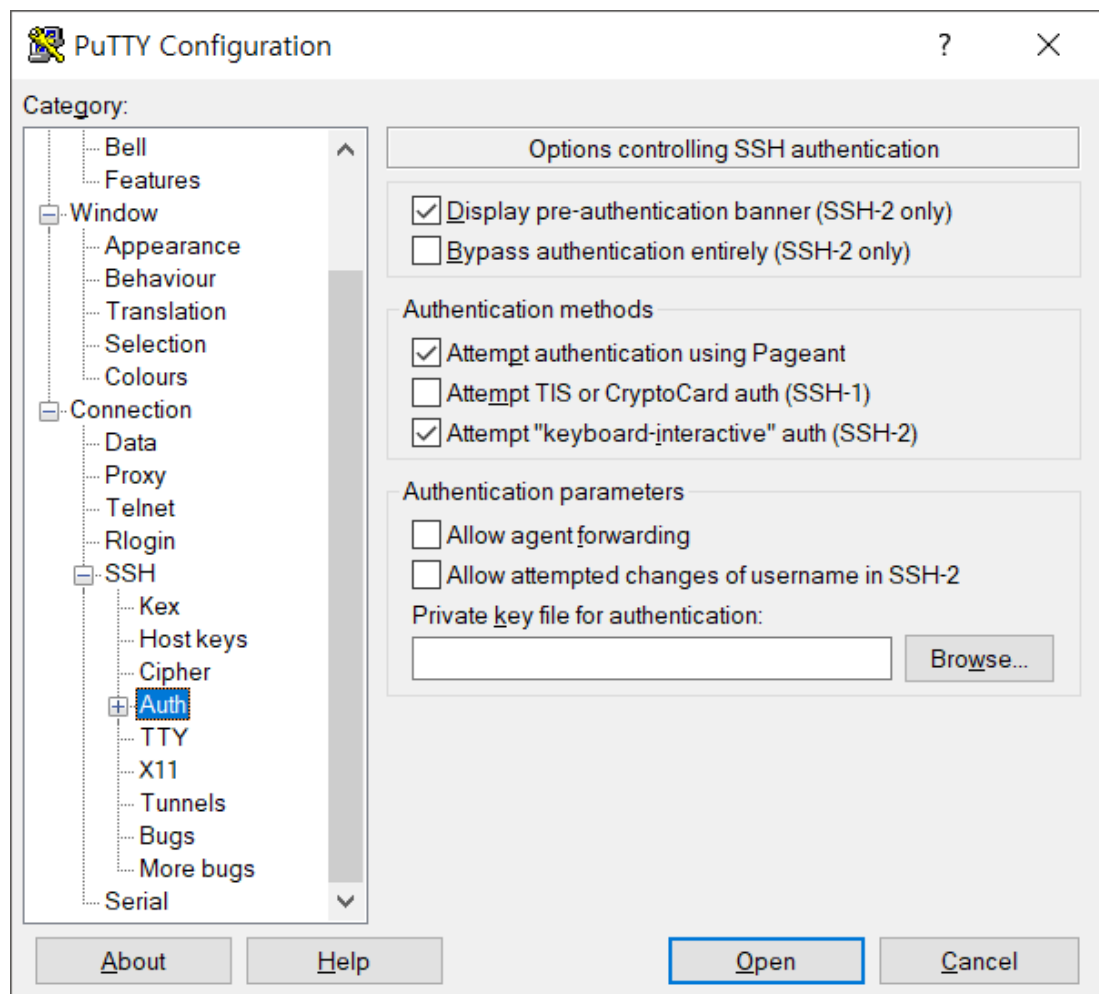
키 저장



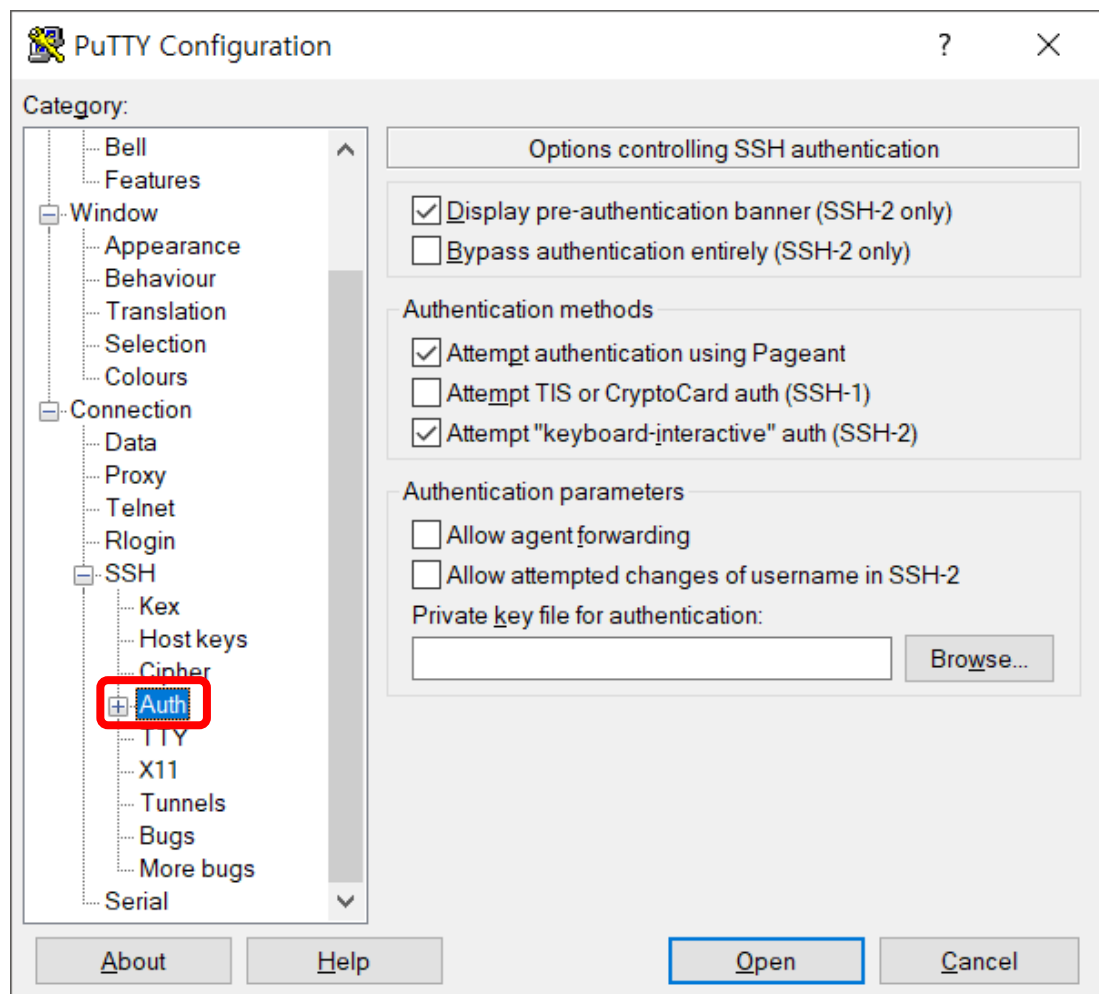
키 저장



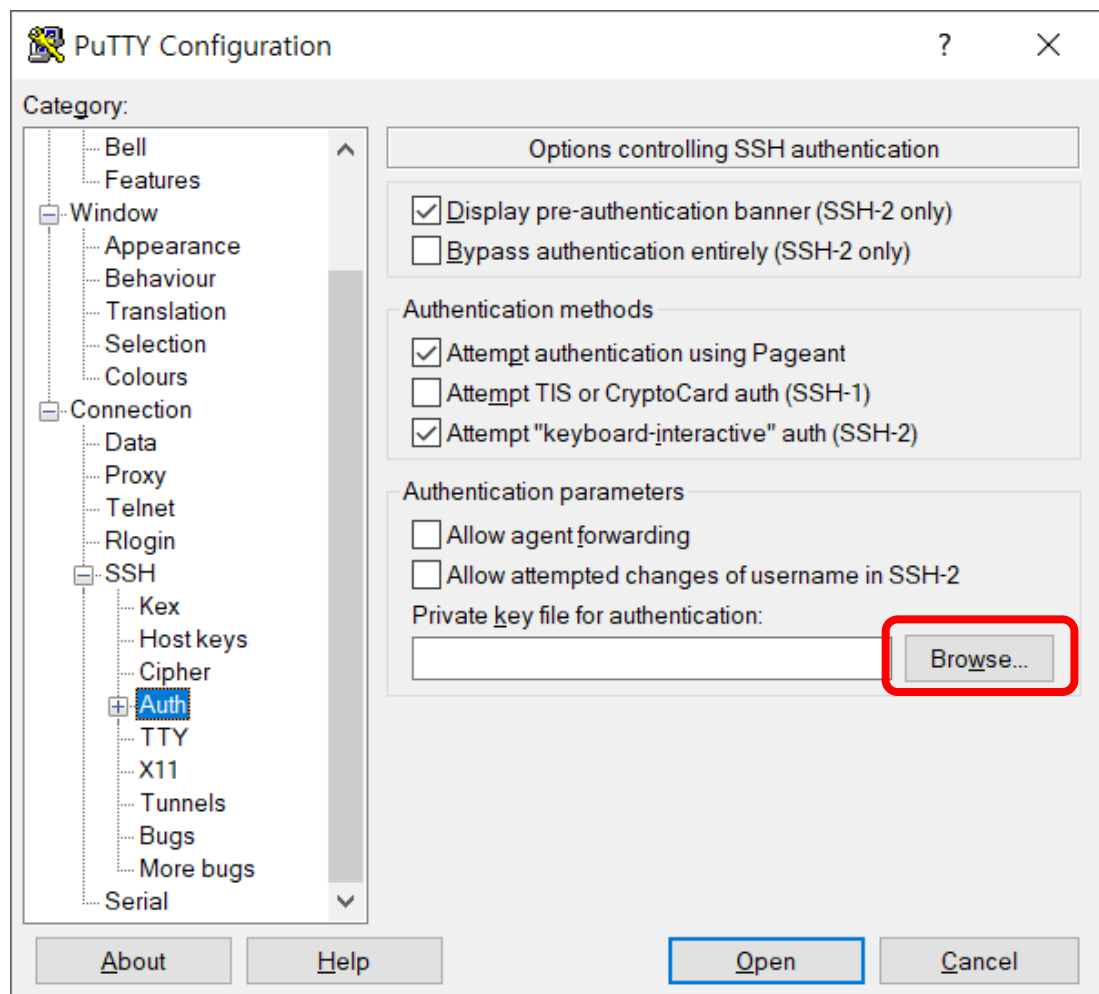
Putty에서 변환된 키 불러오기



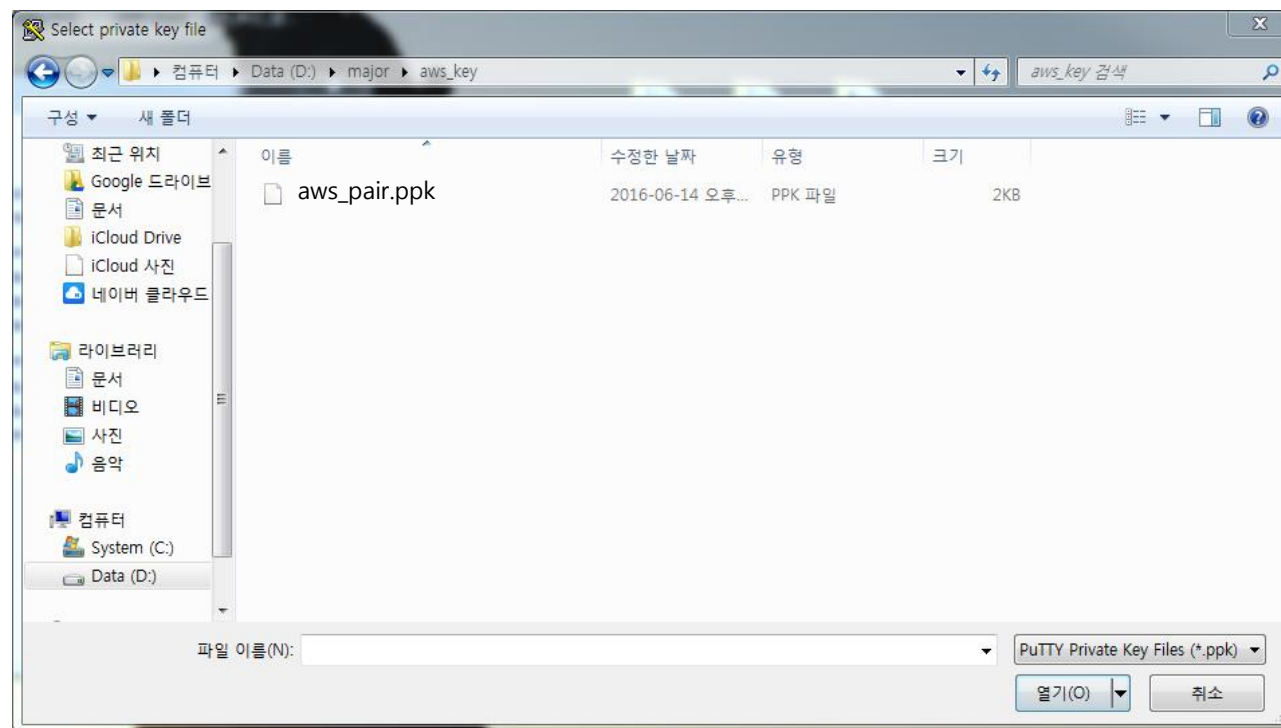
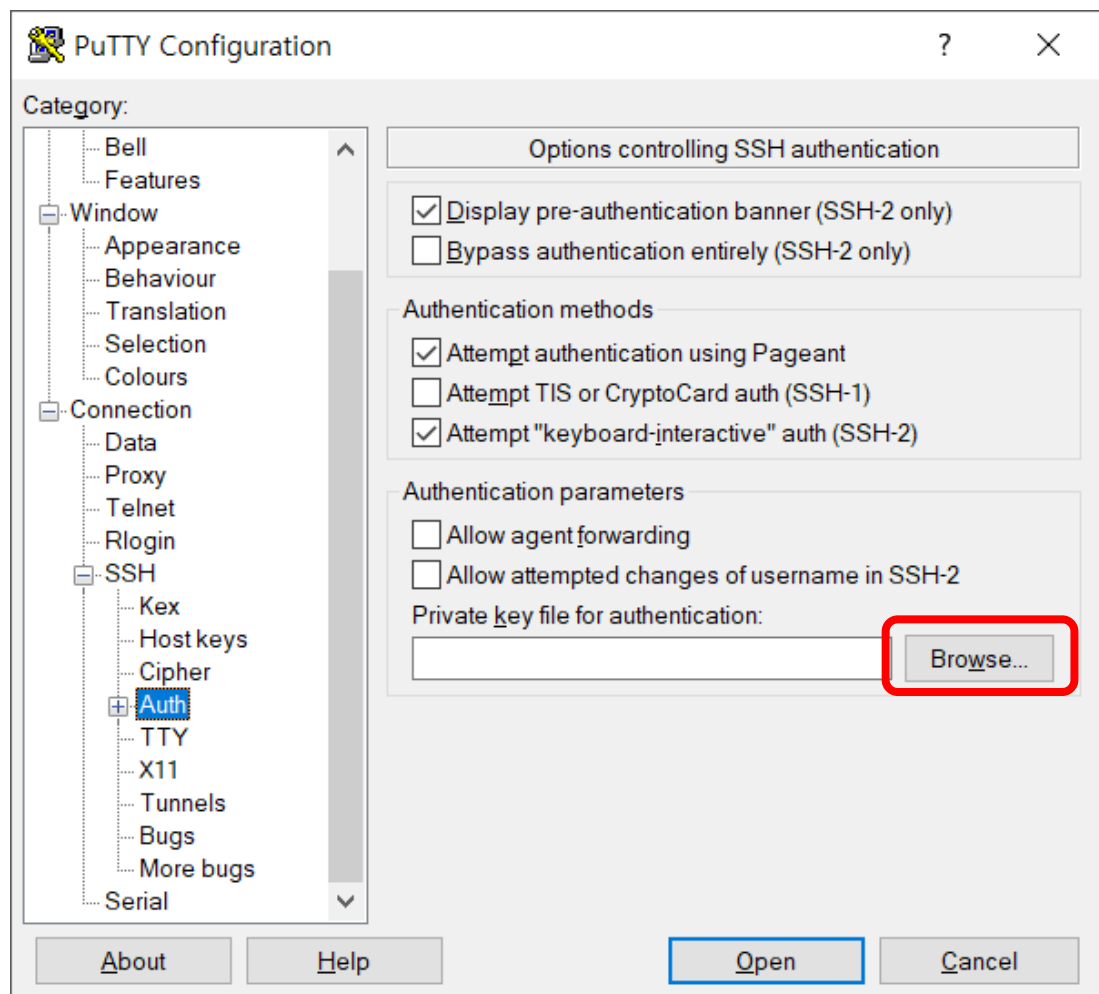
Putty에서 변환된 키 불러오기



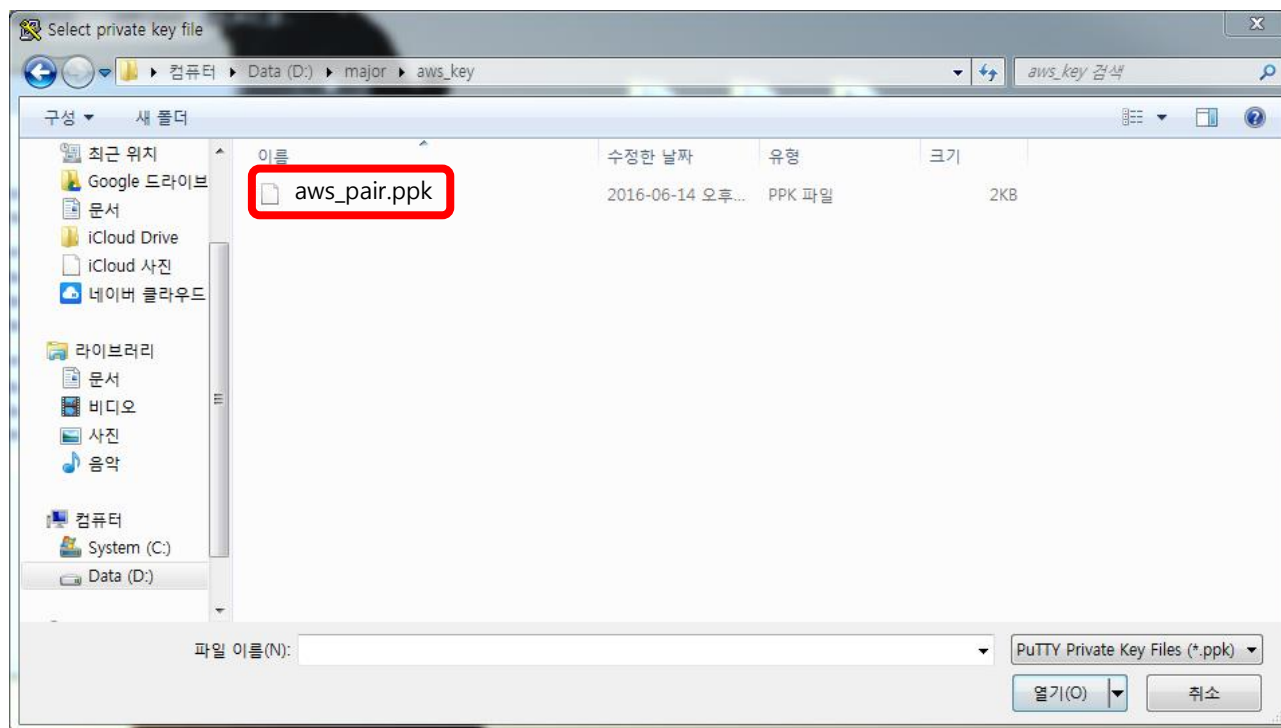
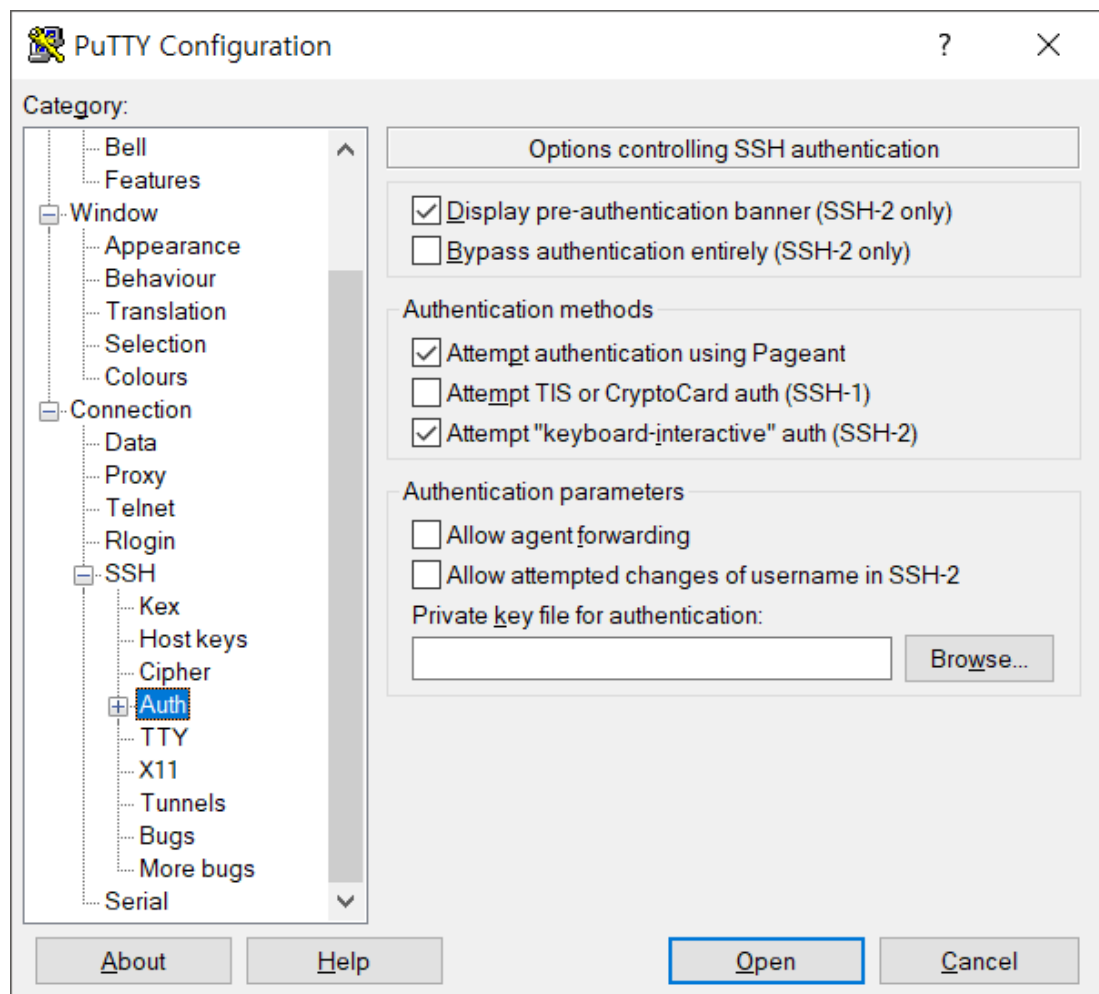
Putty에서 변환된 키 불러오기



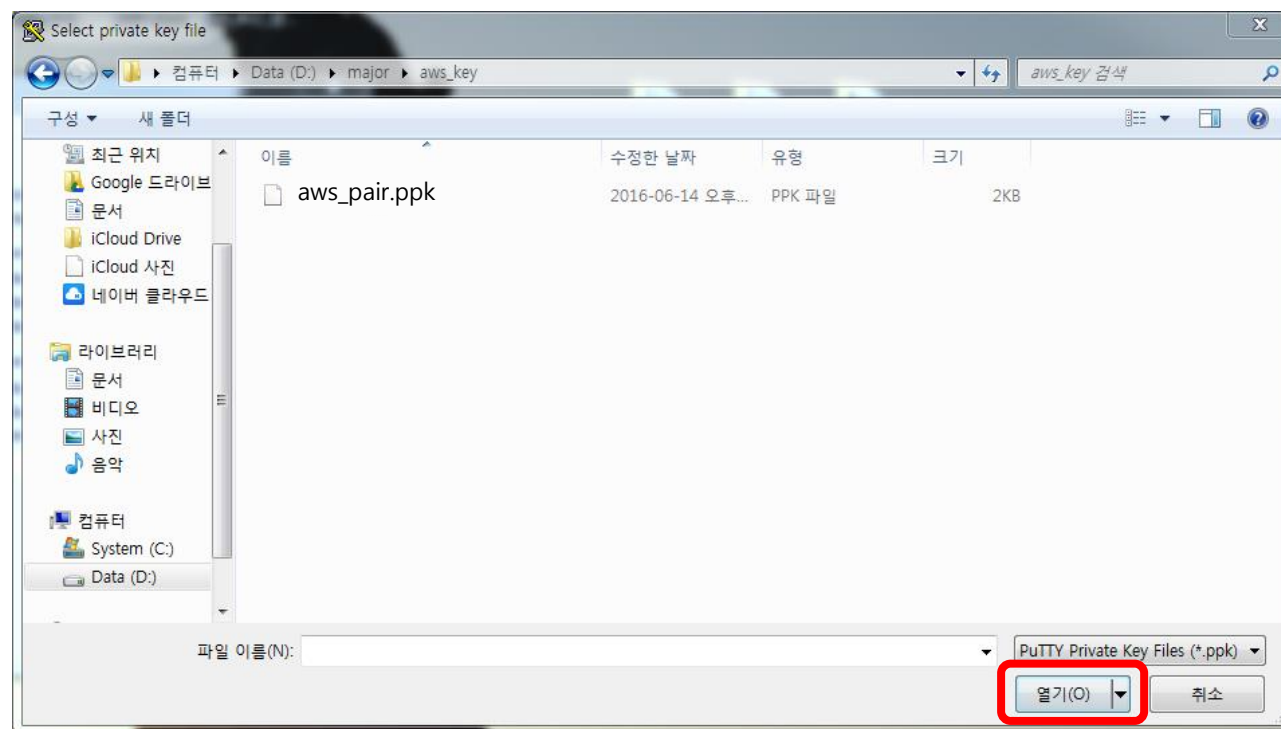
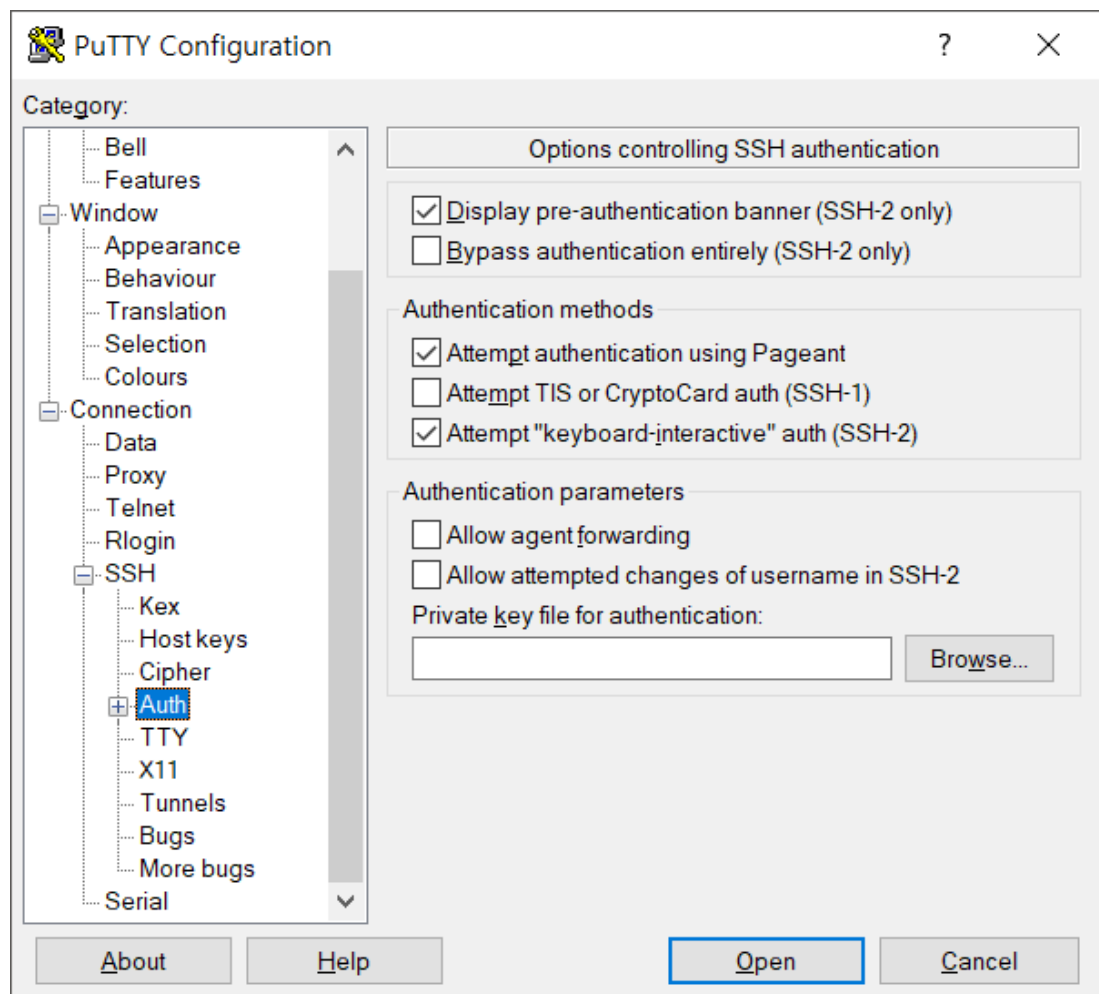
Putty에서 변환된 키 불러오기



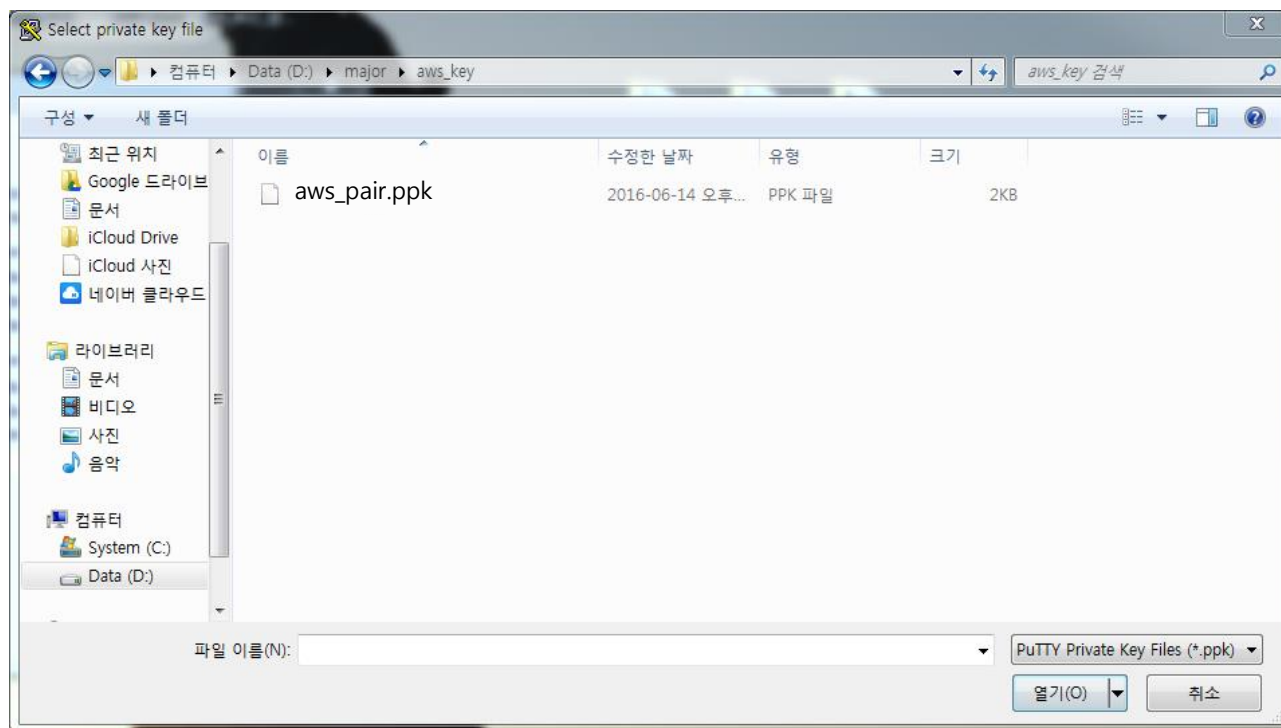
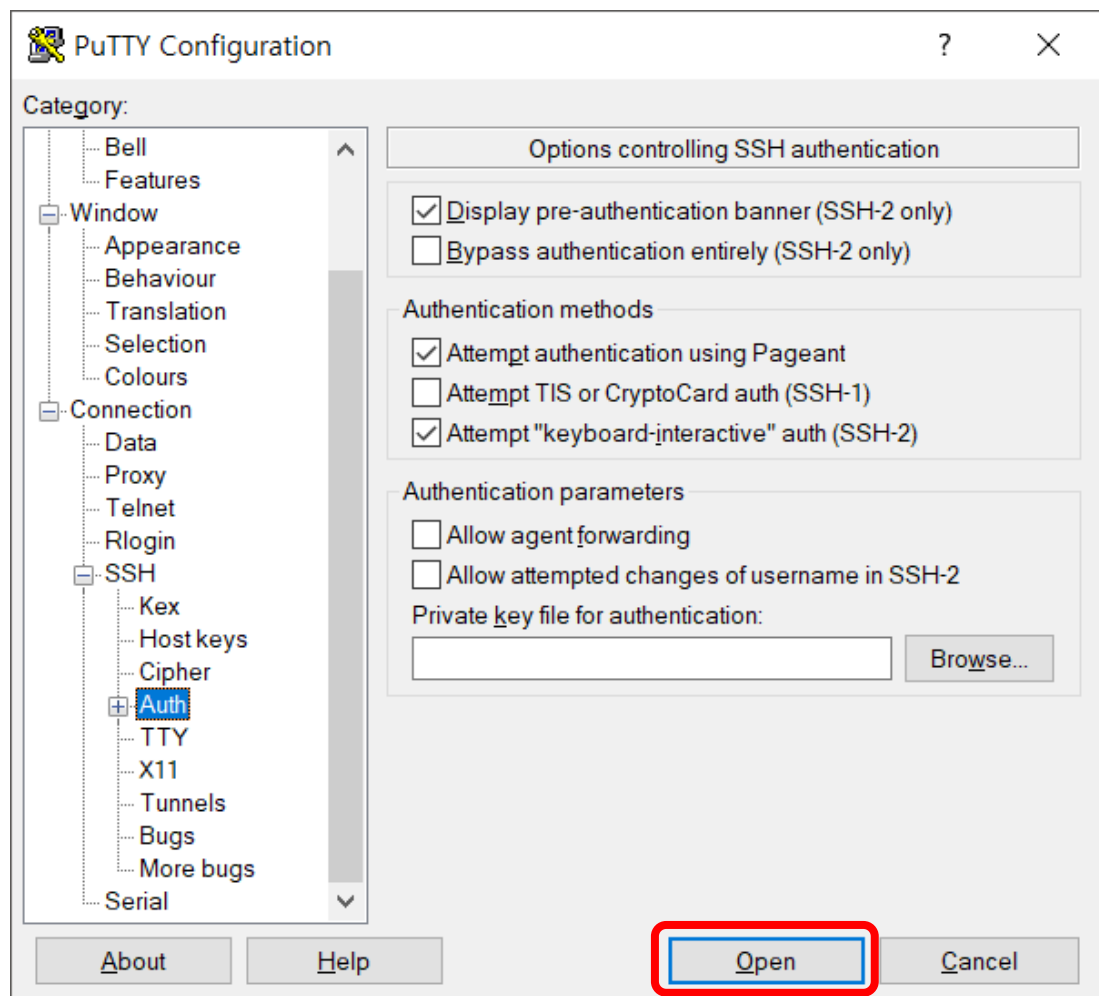
Putty에서 변환된 키 불러오기



Putty에서 변환된 키 불러오기



Putty에서 변환된 키 불러오기



Putty를 통한 서버 접속

13.209.50.166 - PuTTY

인스턴스 상태

상태 검사

경보 상태

퍼블릭 DNS(IPv4)

IPv4 퍼블릭 IP

IPv6 IP

running

2/2 검사 통과

없음

ec2-13-209-50-166.ap-...

13.209.50.166

-

!

The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.

The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 256 e7:63:69:63:cd:51:8d:06:97:1ed3:d3:1f:26:5a:e7

If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.

If you want to carry on connecting just once, without adding the key to the cache, hit No.

If you do not trust this host, hit Cancel to abandon the connection.

예(Y)

아니오(N)

취소

도움말

인스턴스: i-08bf64c16d50015ae

퍼블릭 DNS: ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com

설명

상태 검사

모니터링

태그

관리자

보안

인스턴스 ID

i-08bf64c16d50015ae

퍼블릭 DNS(IPv4)

ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com

인스턴스 상태

running

IPv4 퍼블릭 IP

13.209.50.166

Putty를 통한 서버 접속

The screenshot shows a PuTTY terminal window titled "13.209.50.166 - PuTTY" with a black display area. A "PuTTY Security Alert" dialog box is overlaid on the terminal. The dialog box contains the following text:

! The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 256 e7:63:69:63:cd:51:8d:06:97:1ed3:d3:1f:26:5a:e7
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.

The dialog box has four buttons at the bottom: "예(Y)" (highlighted with a red box), "아니오(N)", "취소", and "도움말".

In the background, the AWS Management Console is visible, showing the details of an EC2 instance. The instance is named "i-08bf64c16d50015ae" and is in the "running" state. The public DNS (IPv4) is "ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com" and the public IP is "13.209.50.166".

서버 로그인



13.209.50.166 - PuTTY

```
login as: ec2-user
```

서버 로그인



13.209.50.166 - PuTTY

login as: ec2-user

서버 로그인

 ec2-user@ip-172-31-27-220:~

```
login as: ec2-user
```

```
Authenticating with public key "imported-openssh-key"
```

```
  ____|  ____|  )  
  ____|  (_____/  Amazon Linux AMI  
  ____| \_____|  
```

```
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
```

```
15 package(s) needed for security, out of 22 available
```

```
Run "sudo yum update" to apply all updates.
```

```
[ec2-user@ip-172-31-27-220 ~]$ █
```

WinSCP 설치

<https://winscp.net/eng/download.php>

**WinSCP**
Free SFTP, SCP, S3 and FTP client for Windows

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- [Files can be optionally encrypted](#) when storing them on [SFTP](#) server.
- Local UNC paths can be browsed.
- *Compare Files* extensions.
- Dark theme.
- Files can be copied to the clipboard.
- Coloring files in file panels based on a file mask.
- Improved incremental search in file panels.
- Support OpenSSH AES-256-CTR-encrypted keys.
- Improvements to directory synchronization.
- [List of all changes](#).

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- [Files can be optionally encrypted](#) when storing them on [SFTP](#) server.
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- [List of all changes](#).

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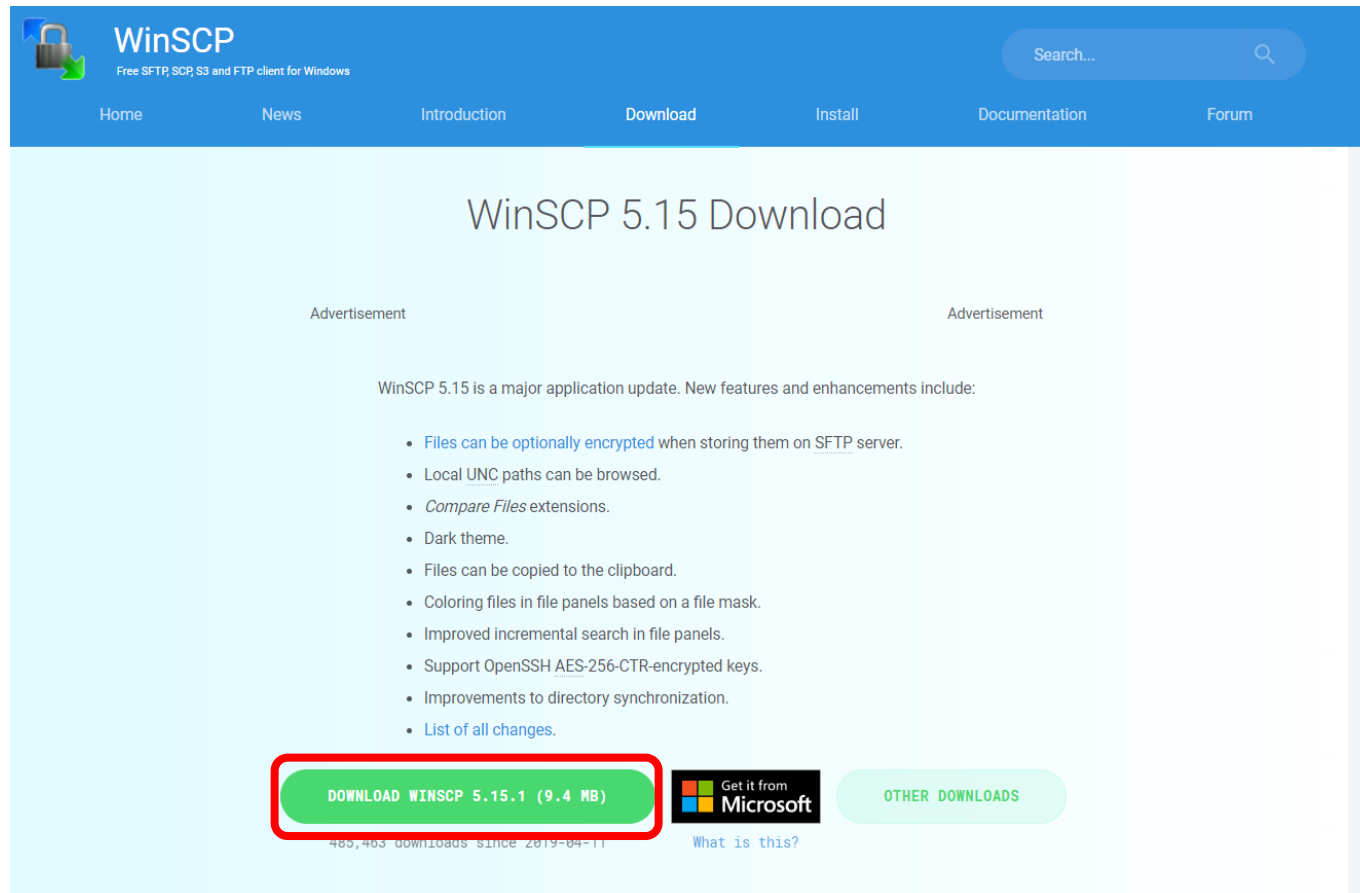
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WinSCP 설치

<https://winscp.net/eng/download.php>



The screenshot shows the WinSCP 5.15 Download page. The header is blue with the WinSCP logo and navigation links: Home, News, Introduction, Download, Install, Documentation, and Forum. A search bar is also present. The main content area is light blue and features the title 'WinSCP 5.15 Download'. Below the title, there are two 'Advertisement' placeholders. The main text states: 'WinSCP 5.15 is a major application update. New features and enhancements include:'. A list of features follows, including optional encryption, UNC paths, file extensions, dark theme, clipboard support, file coloring, incremental search, OpenSSH AES-256-CTR keys, and directory synchronization. At the bottom, there is a green button labeled 'DOWNLOAD WINSCP 5.15.1 (9.4 MB)' which is highlighted with a red rectangle. To its right is a 'Get it from Microsoft' button and an 'OTHER DOWNLOADS' button. Below the download button, it says '463,463 downloads since 2019-04-11' and 'What is this?'.

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WinSCP 5.15 is a major application update. New features and enhancements include:

- Files can be optionally encrypted when storing them on SFTP server.
- Local UNC paths can be browsed.
- Compare Files extensions.
- Dark theme.
- Files can be copied to the clipboard.
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- Improved incremental search in file panels.
- Support OpenSSH AES-256-CTR-encrypted keys.
- Improvements to directory synchronization.
- [List of all changes.](#)

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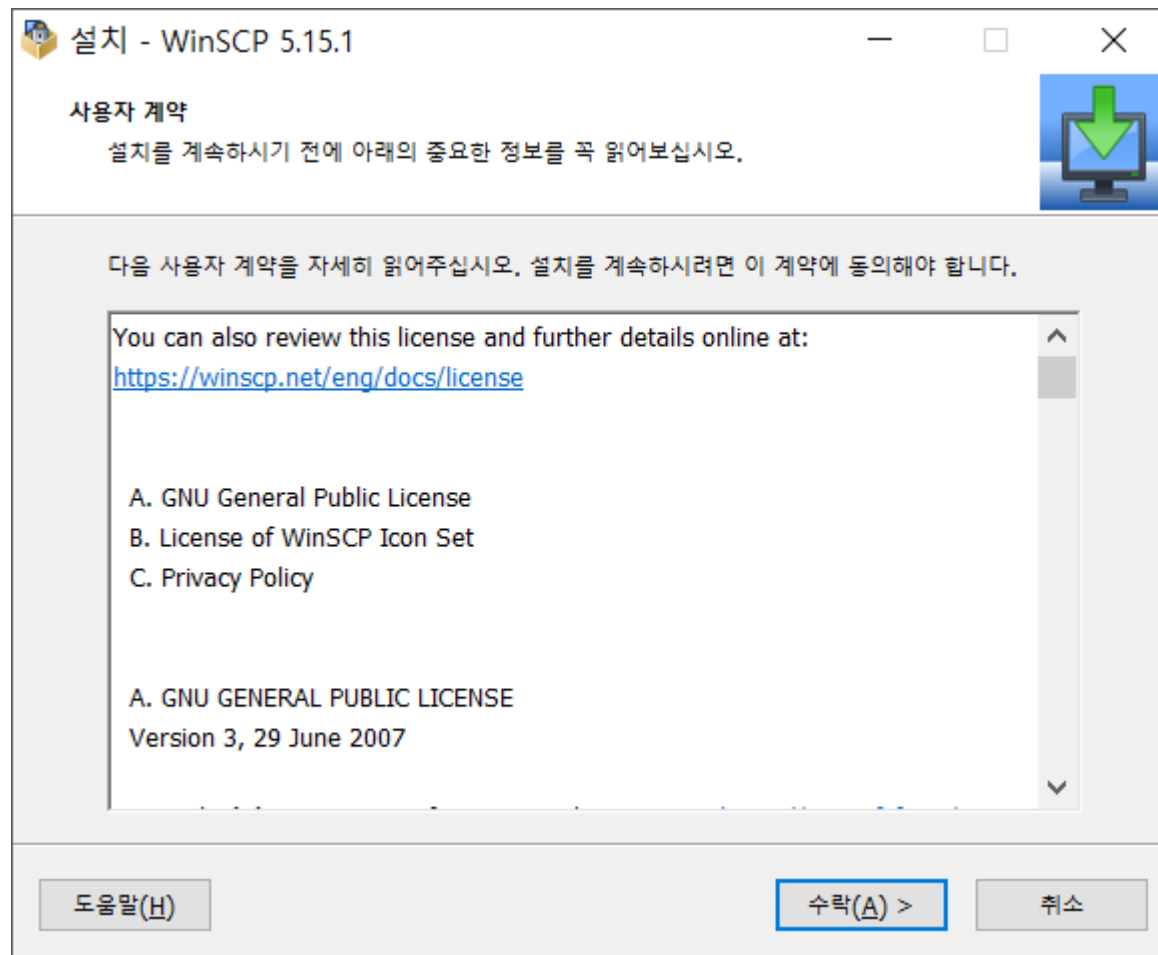
[What is this?](#)

WinSCP 설치

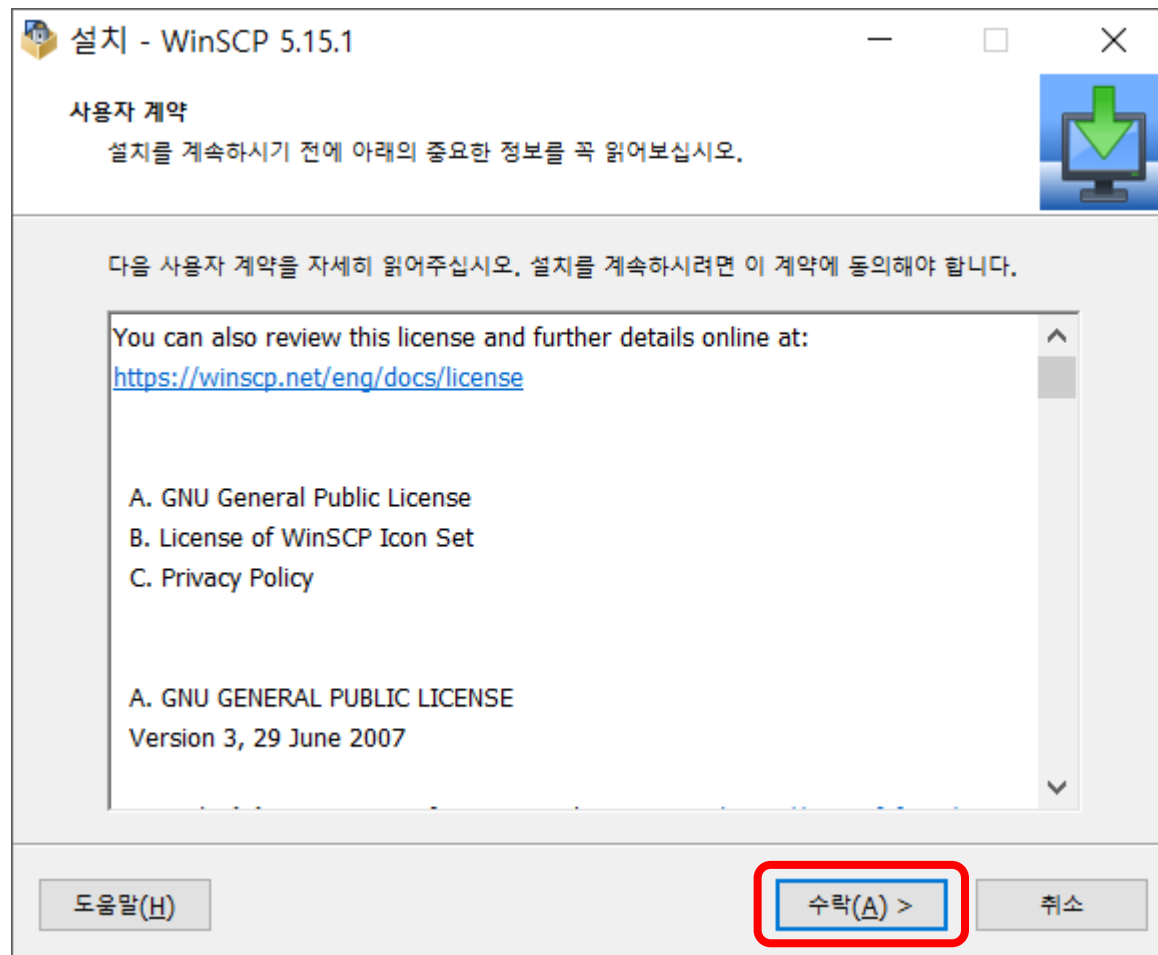


WinSCP-5.15.1-S
etup

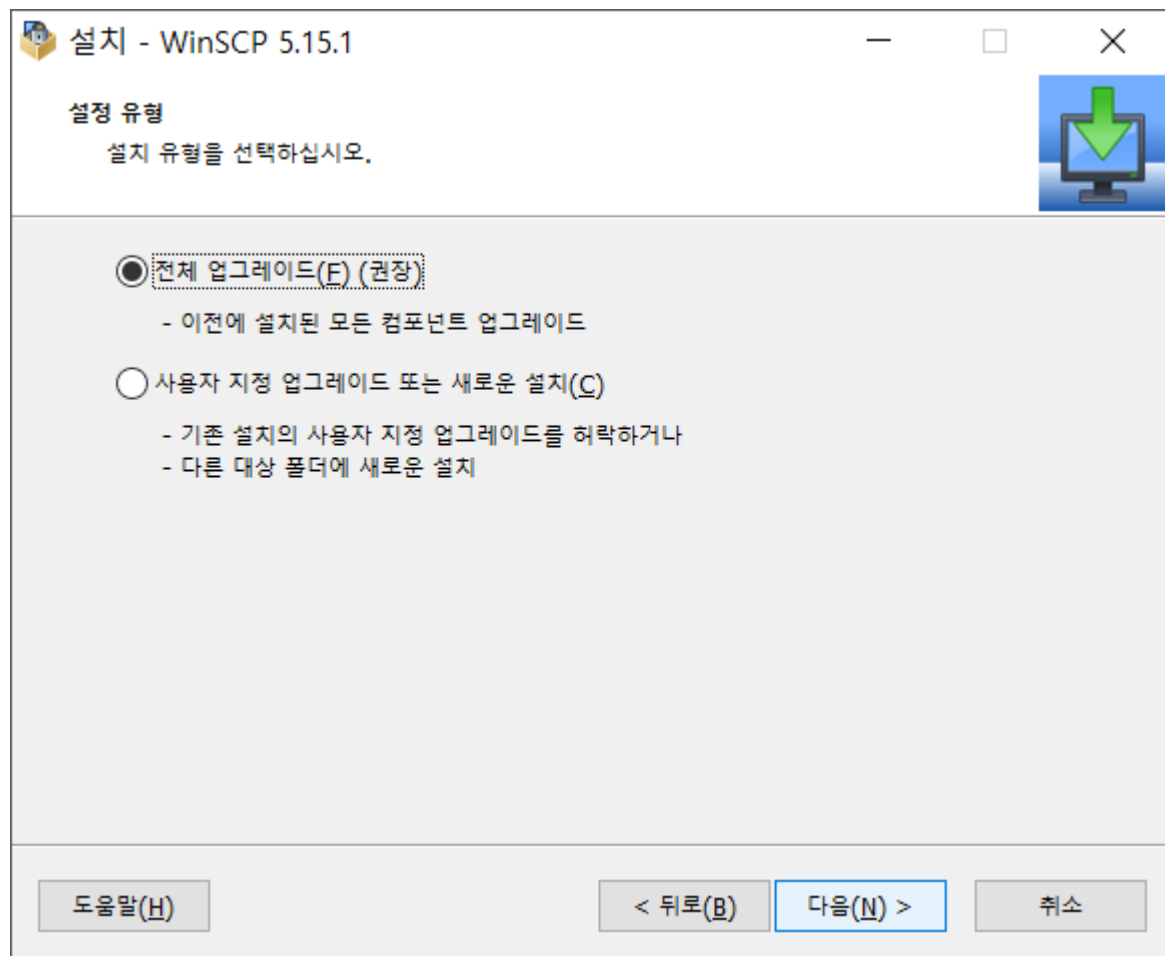
WinSCP 설치



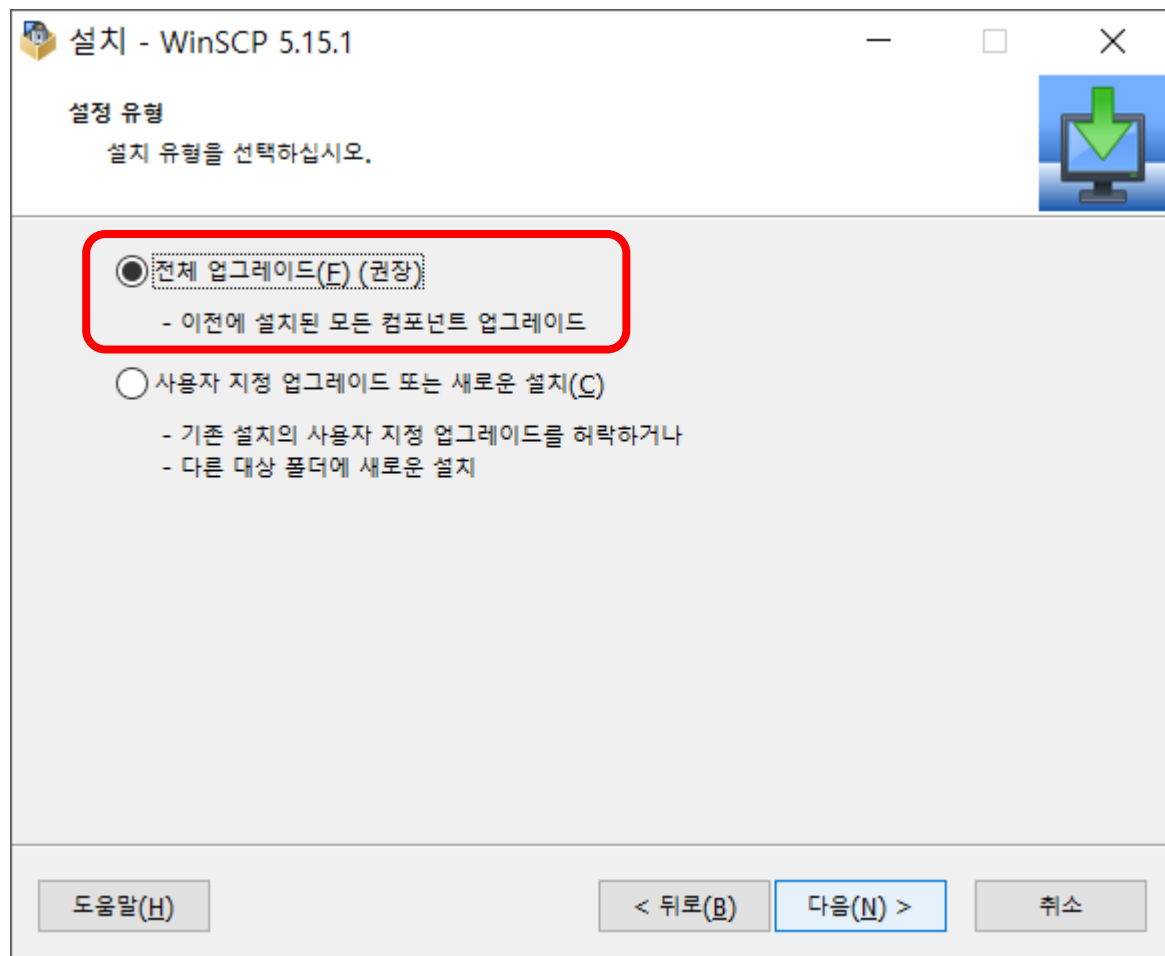
WinSCP 설치



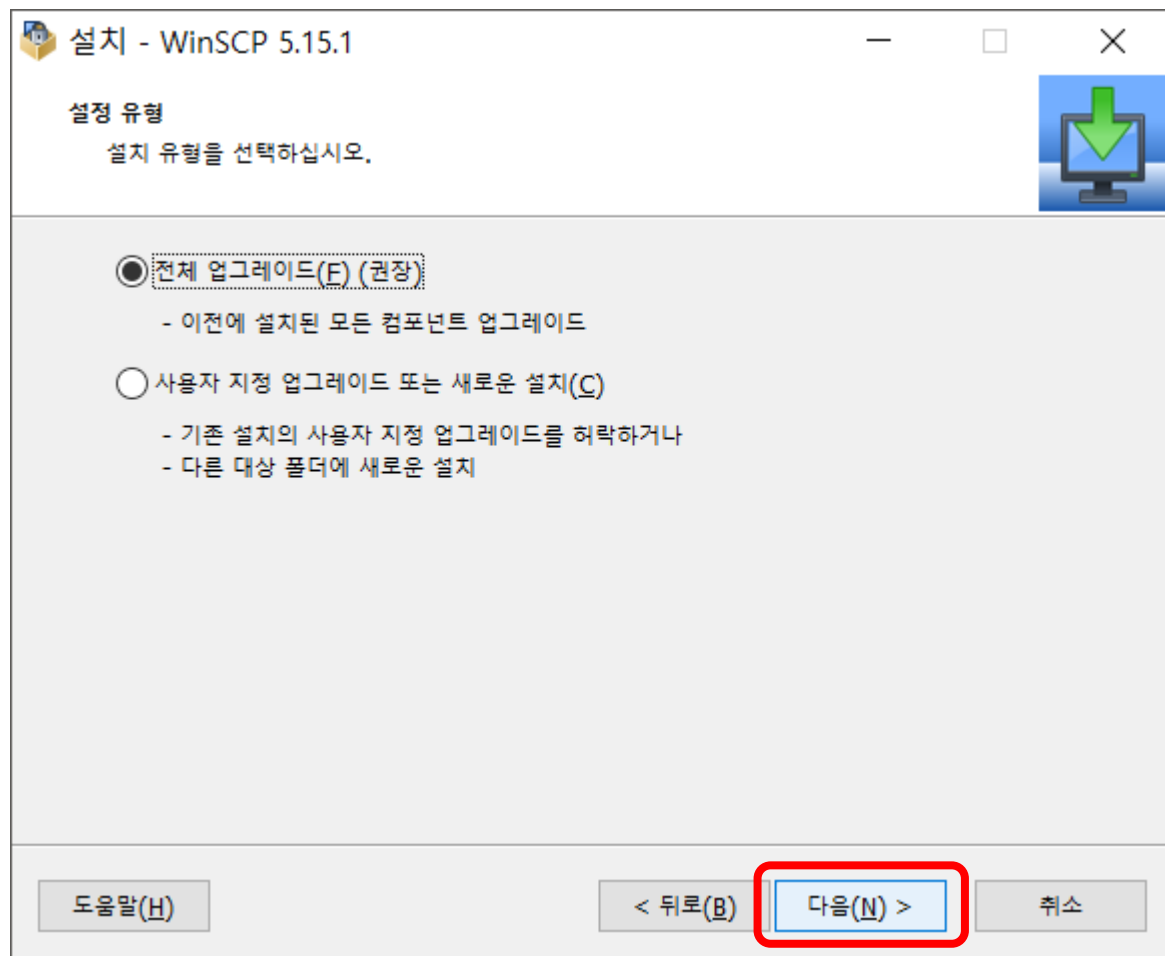
WinSCP 설치



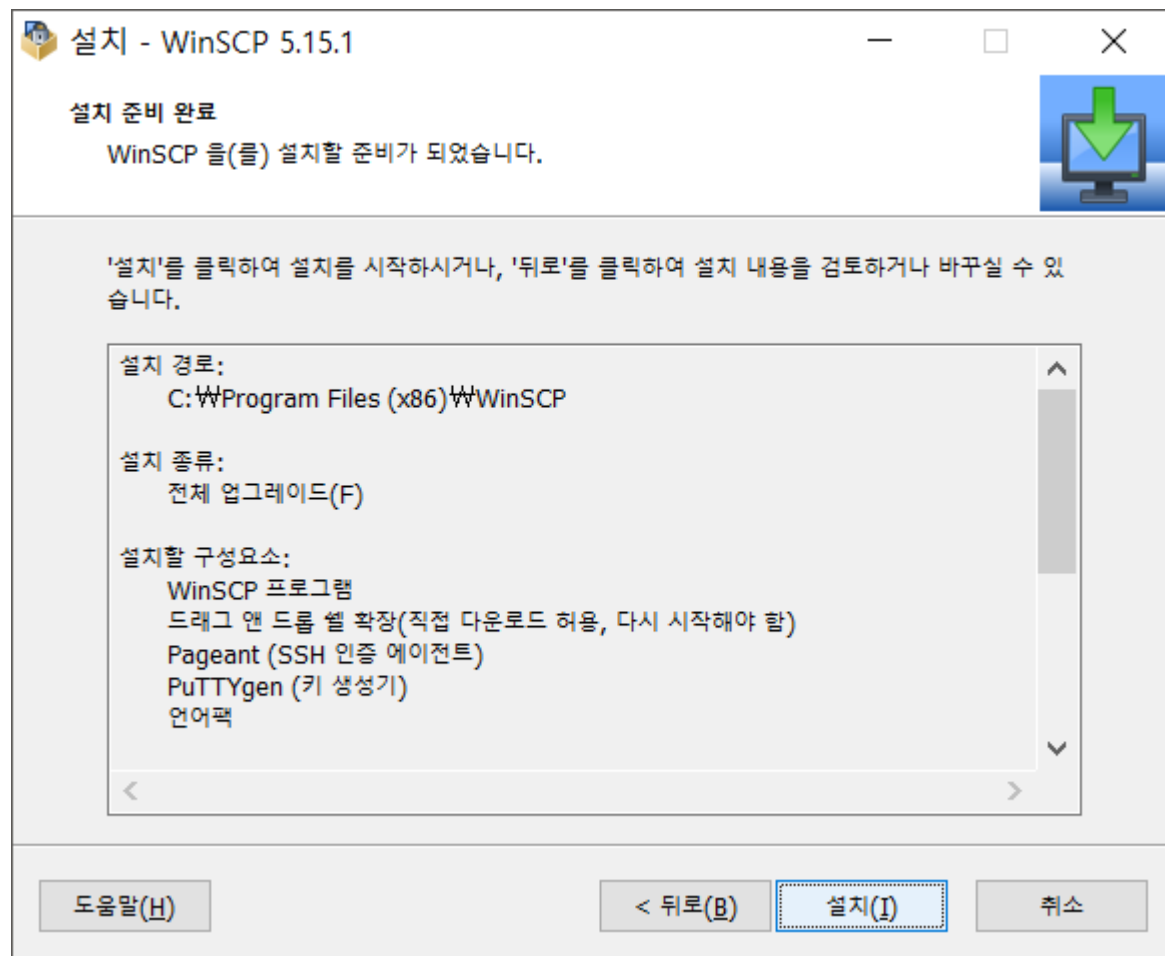
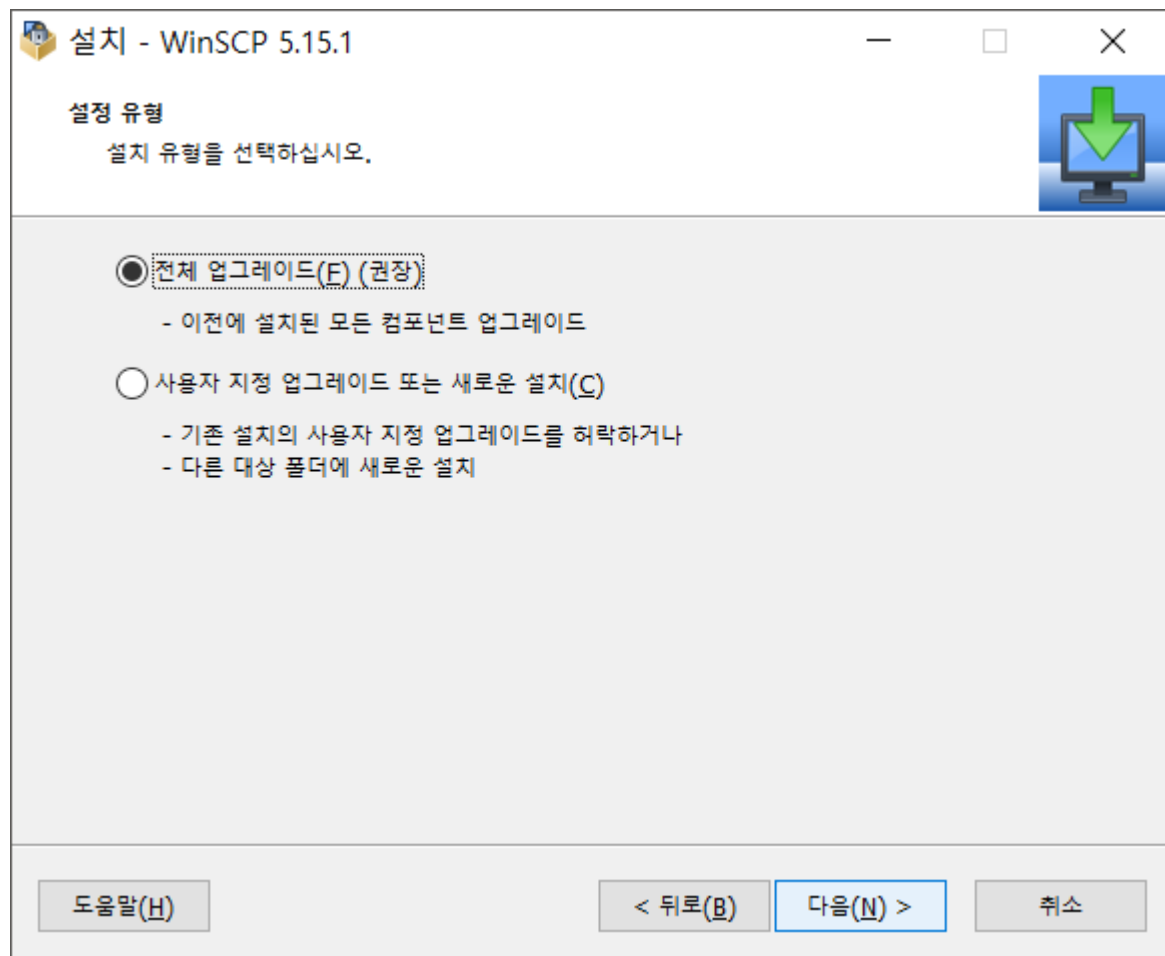
WinSCP 설치



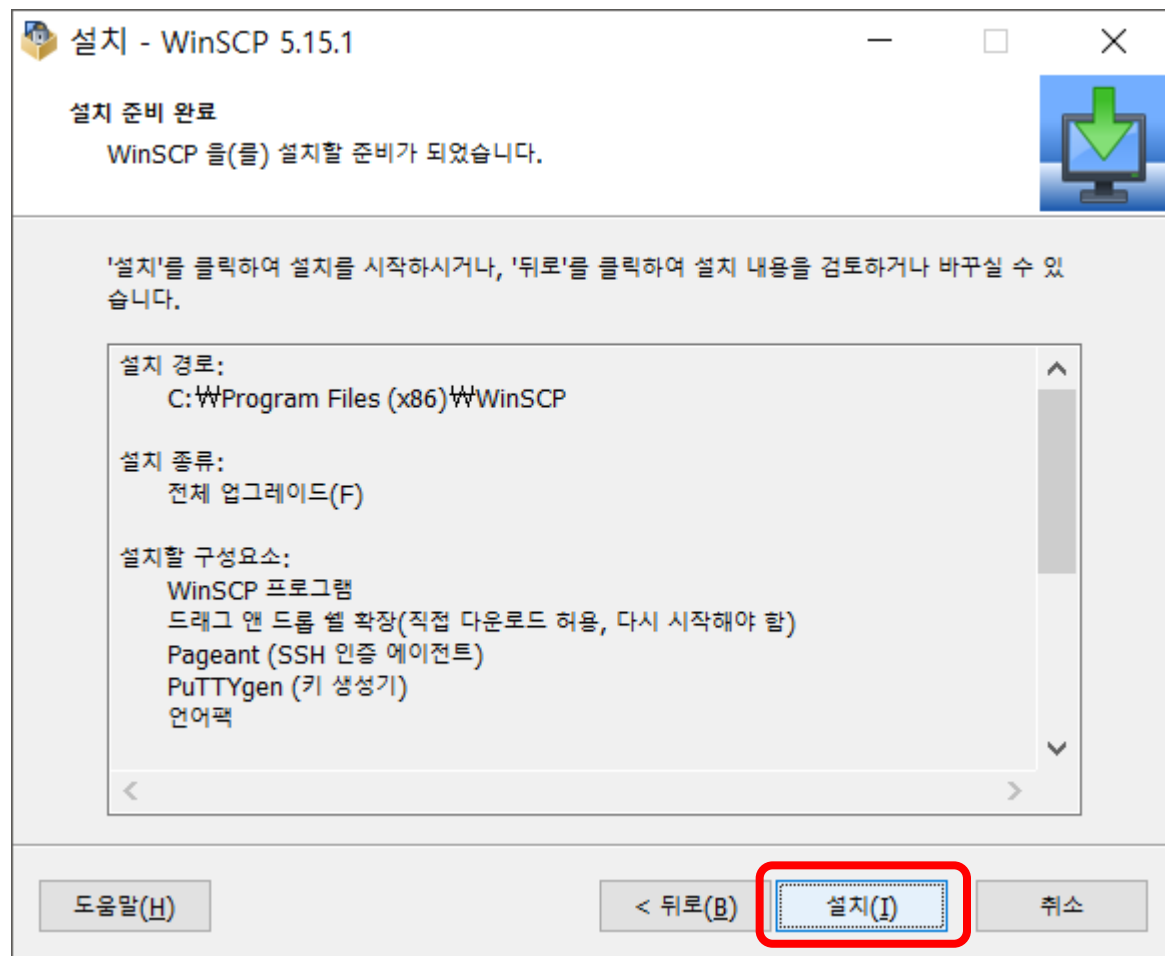
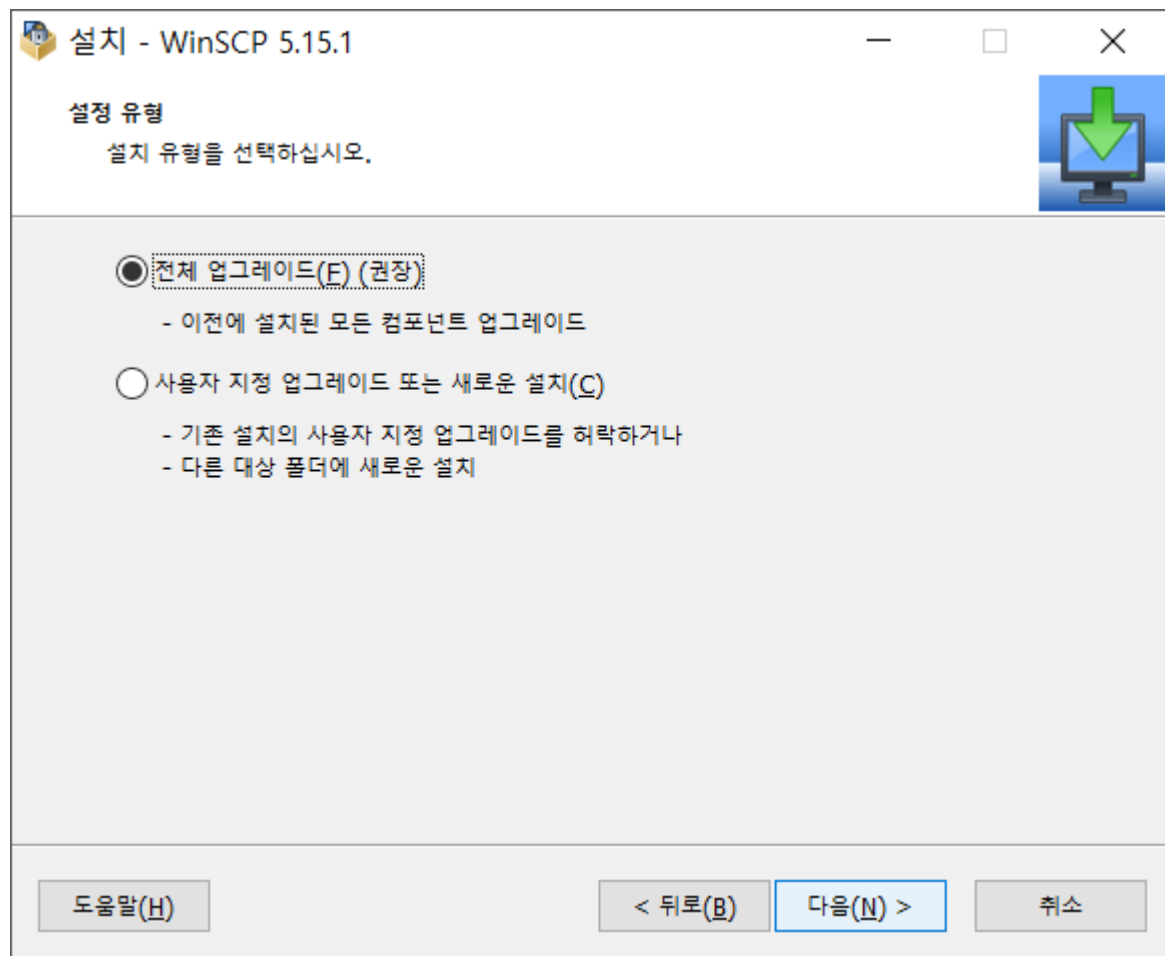
WinSCP 설치



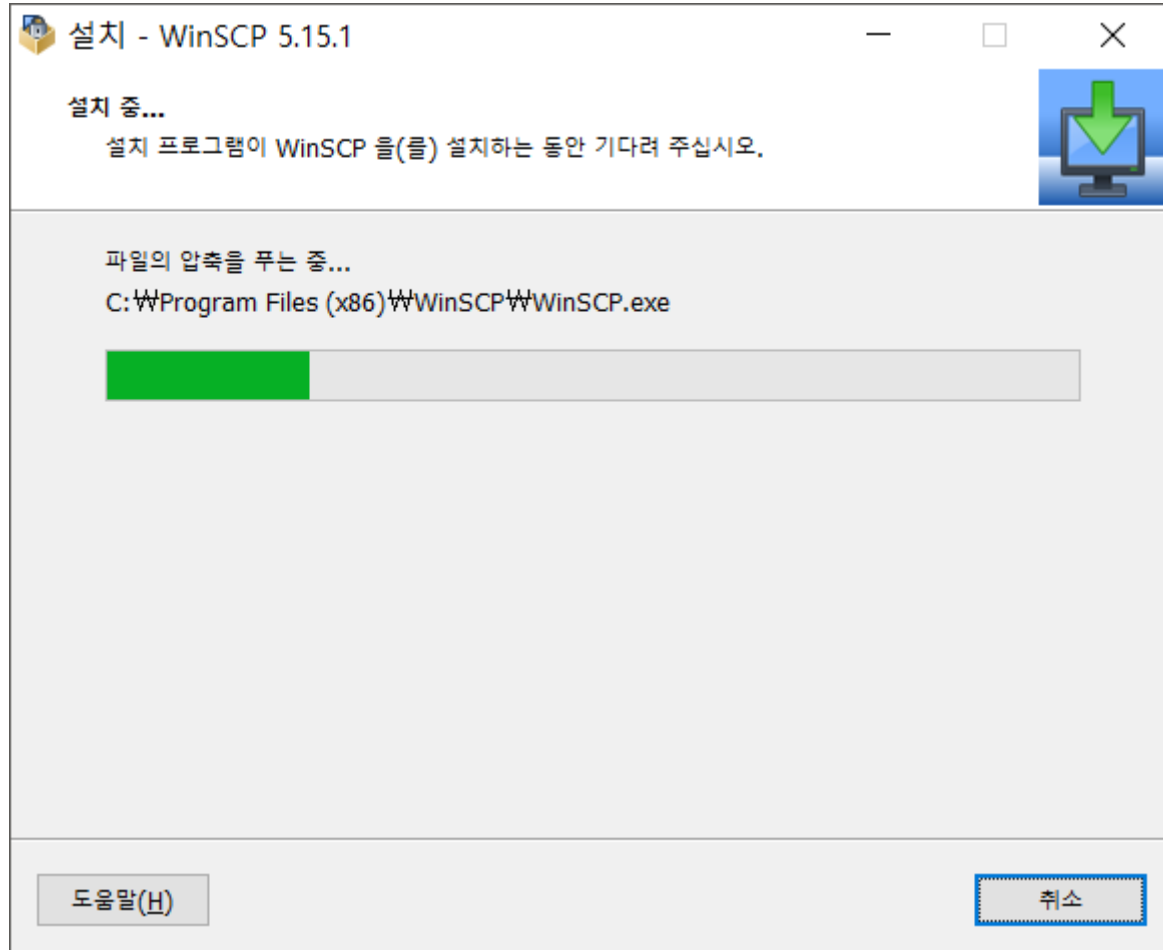
WinSCP 설치



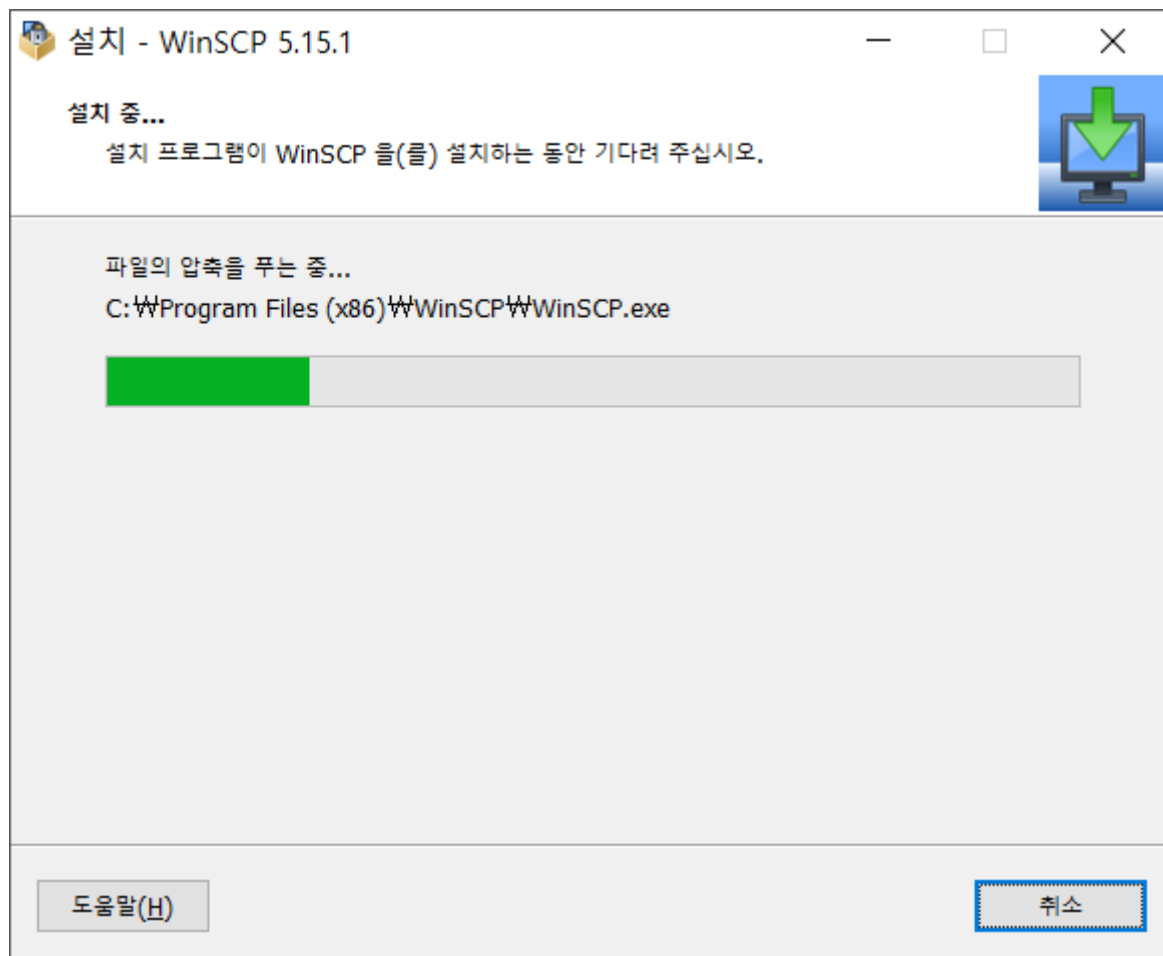
WinSCP 설치



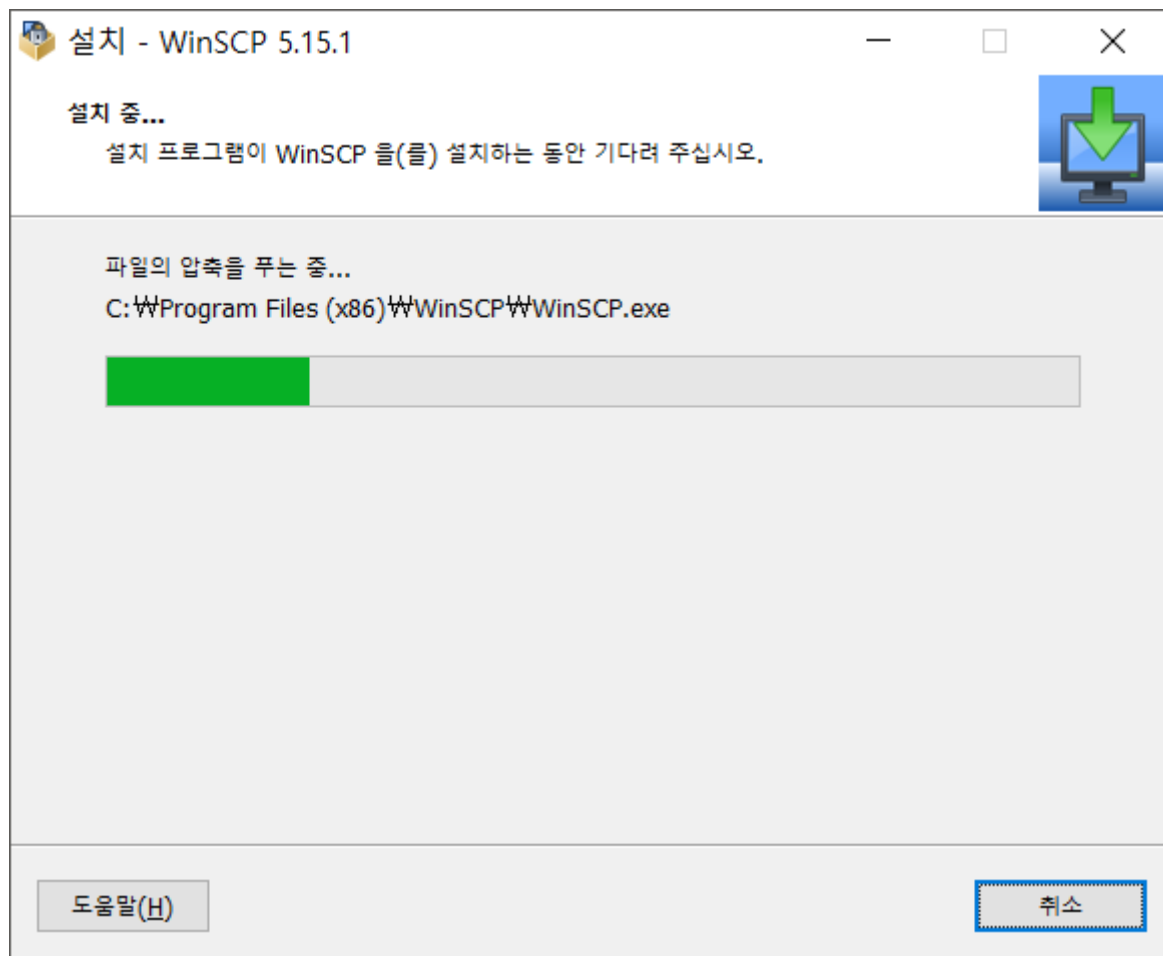
WinSCP 설치



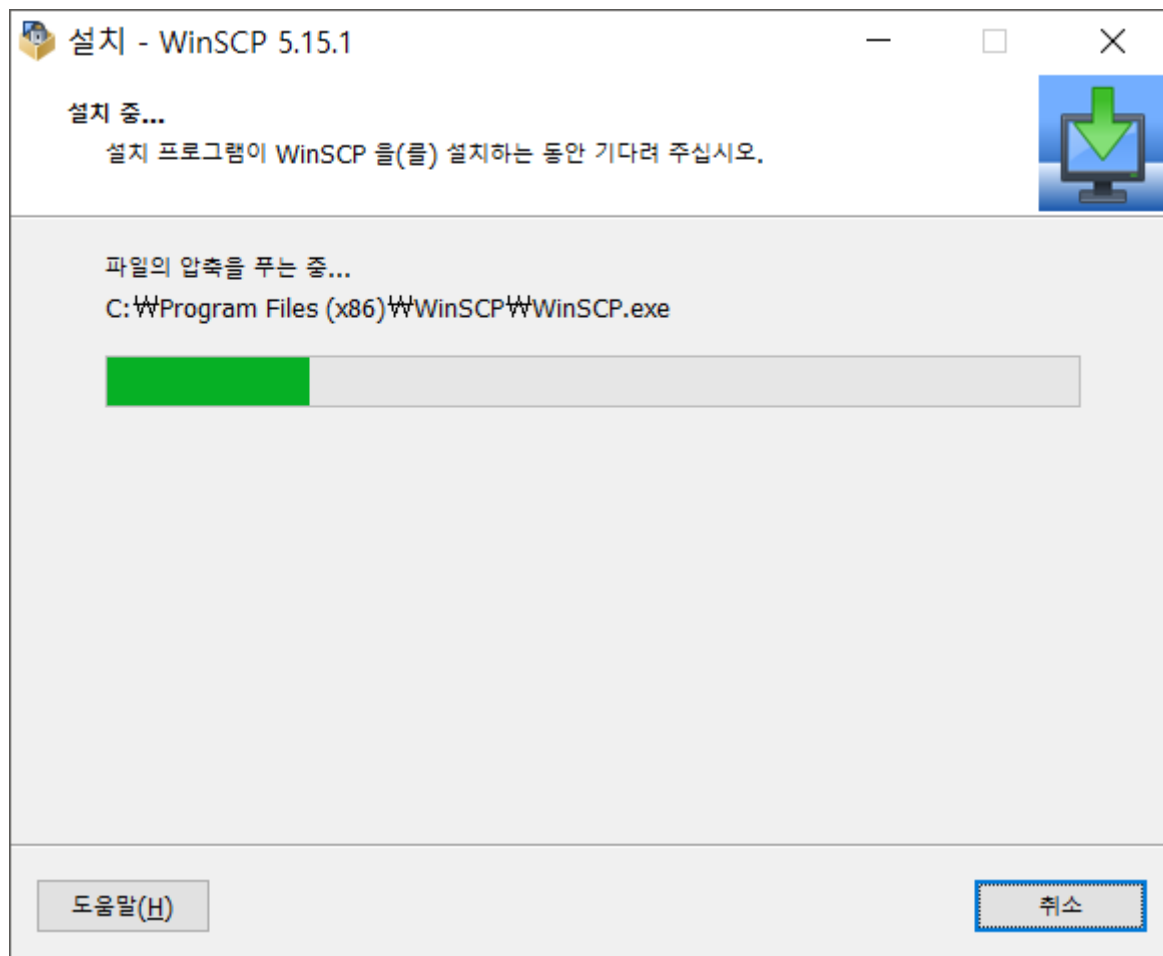
WinSCP 설치



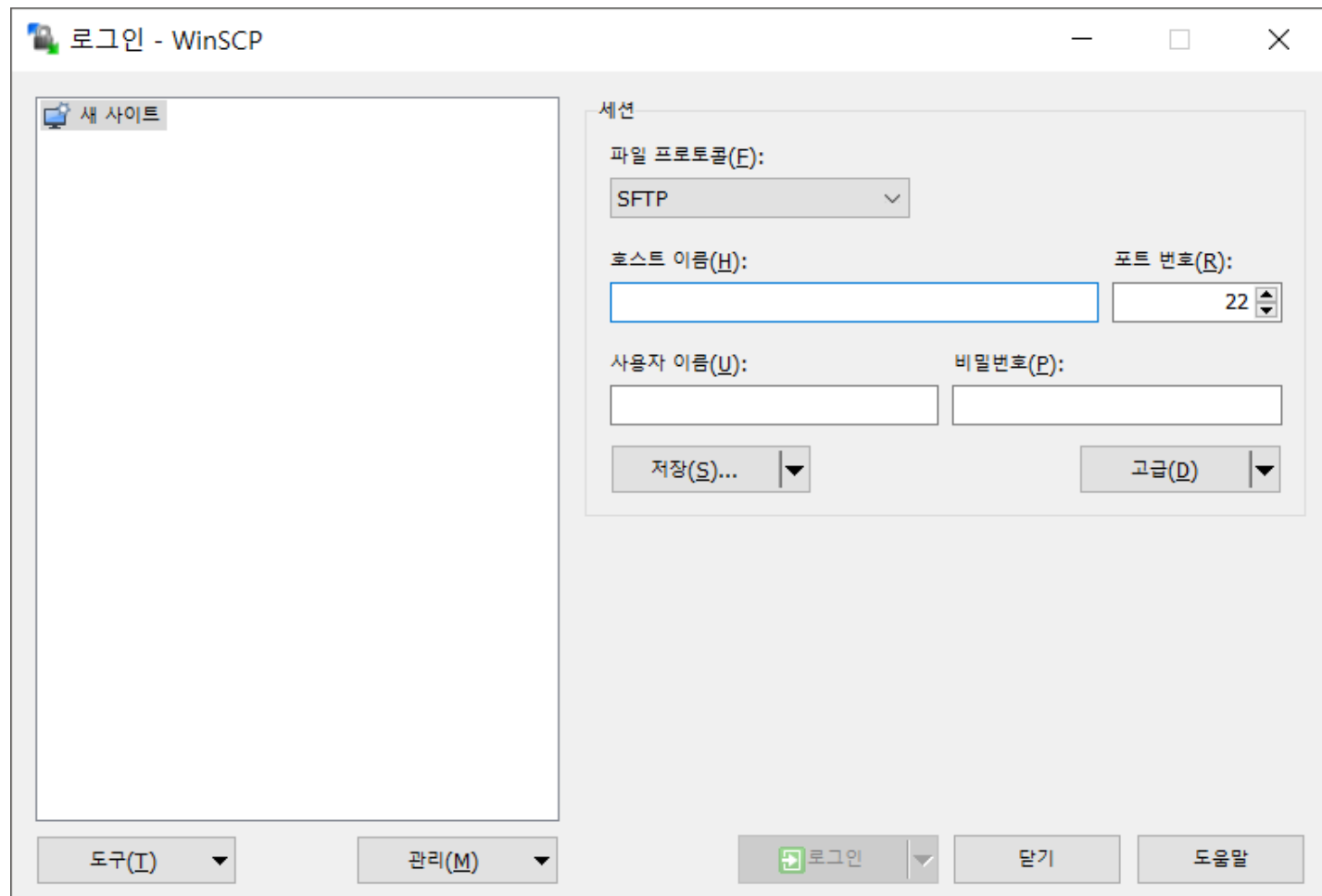
WinSCP 설치



WinSCP 설치



WinSCP를 통한 파일 전송



WinSCP를 통한 파일 전송

EC2 대시보드

이벤트

태그

보고서

제한

인스턴스

인스턴스

시작 템플릿

스팟 요청

예약 인스턴스

전용 호스트

용량 예약

인스턴스 시작

연결

작업

태그 및 속성별 필터 또는 키워드별 검색

인스턴스 상태

상태 검사

경보 상태

퍼블릭 DNS(IPv4)

IPv4 퍼블릭 IP

IPv6 IP

키 이름

모니터링

running	2/2 검사 통과	없음	ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com	13.209.50.166	-	aws_pair	disabled
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로그인 - WinSCP

새 사이트

세션

파일 프로토콜(E):
SFTP

호스트 이름(H):
13.209.50.166

포트 번호(R):
22

사용자 이름(U):

비밀번호(P):

저장(S)...

고급(D)

도구(I)

관리(M)

로그인

닫기

도움말

WinSCP를 통한 파일 전송

EC2 대시보드

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인스턴스

시작 템플릿

스팟 요청

예약 인스턴스

전용 호스트

용량 예약

인스턴스 시작

연결

작업

태그 및 속성별 필터 또는 키워드별 검색

1 ~ 1/1

인스턴스 상태	상태 검사	경보 상태	퍼블릭 DNS(IPv4)	IPv4 퍼블릭 IP	IPv6 IP	키 이름	모니터링
running	2/2 검사 통과	없음	ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com	13.209.50.166	-	aws_pair	disabled

로그인 - WinSCP

새 사이트

세션

파일 프로토콜(E):
SFTP

호스트 이름(H):
13.209.50.166

포트 번호(R):
22

사용자 이름(U):

비밀번호(P):

저장(S)...

고급(D)

도구(I)

관리(M)

로그인

닫기

도움말

WinSCP를 통한 파일 전송

EC2 대시보드

이벤트

태그

보고서

제한

인스턴스

인스턴스

시작 템플릿

스팟 요청

예약 인스턴스

전용 호스트

용량 예약

인스턴스 시작

연결

작업

태그 및 속성별 필터 또는 키워드별 검색

인스턴스 상태

상태 검사

경보 상태

퍼블릭 DNS(IPv4)

IPv4 퍼블릭 IP

IPv6 IP

키 이름

모니터링

running	2/2 검사 통과	없음	ec2-13-209-50-166.ap-northeast-2.compute.amazonaws.com	13.209.50.166	-	aws_pair	disabled
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로그인 - WinSCP

새 사이트

세션

파일 프로토콜(E):
SFTP

호스트 이름(H):
13.209.50.166

포트 번호(R):
22

사용자 이름(U):
ec2-user

비밀번호(P):

저장(S)...

고급(D)

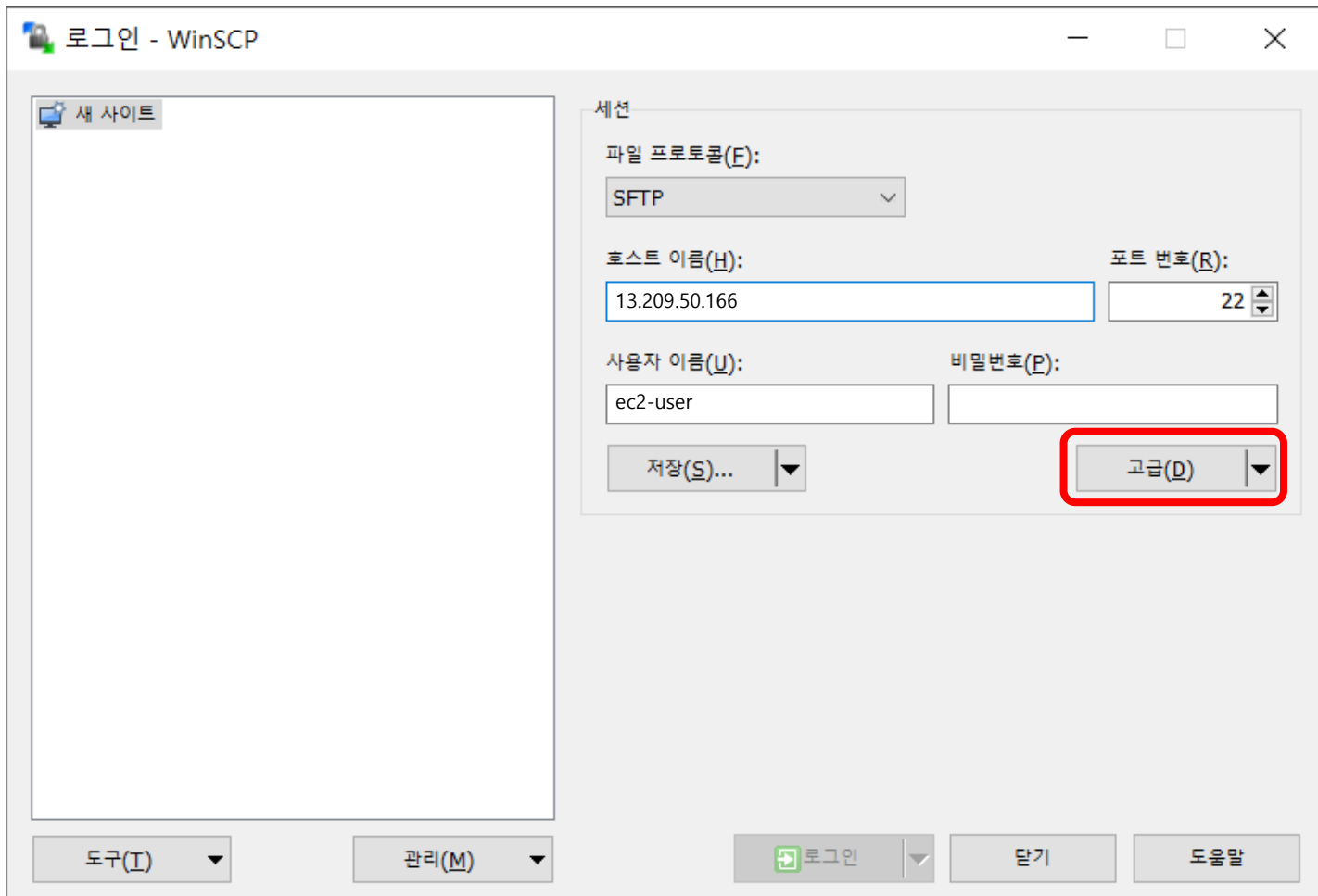
로그인

닫기

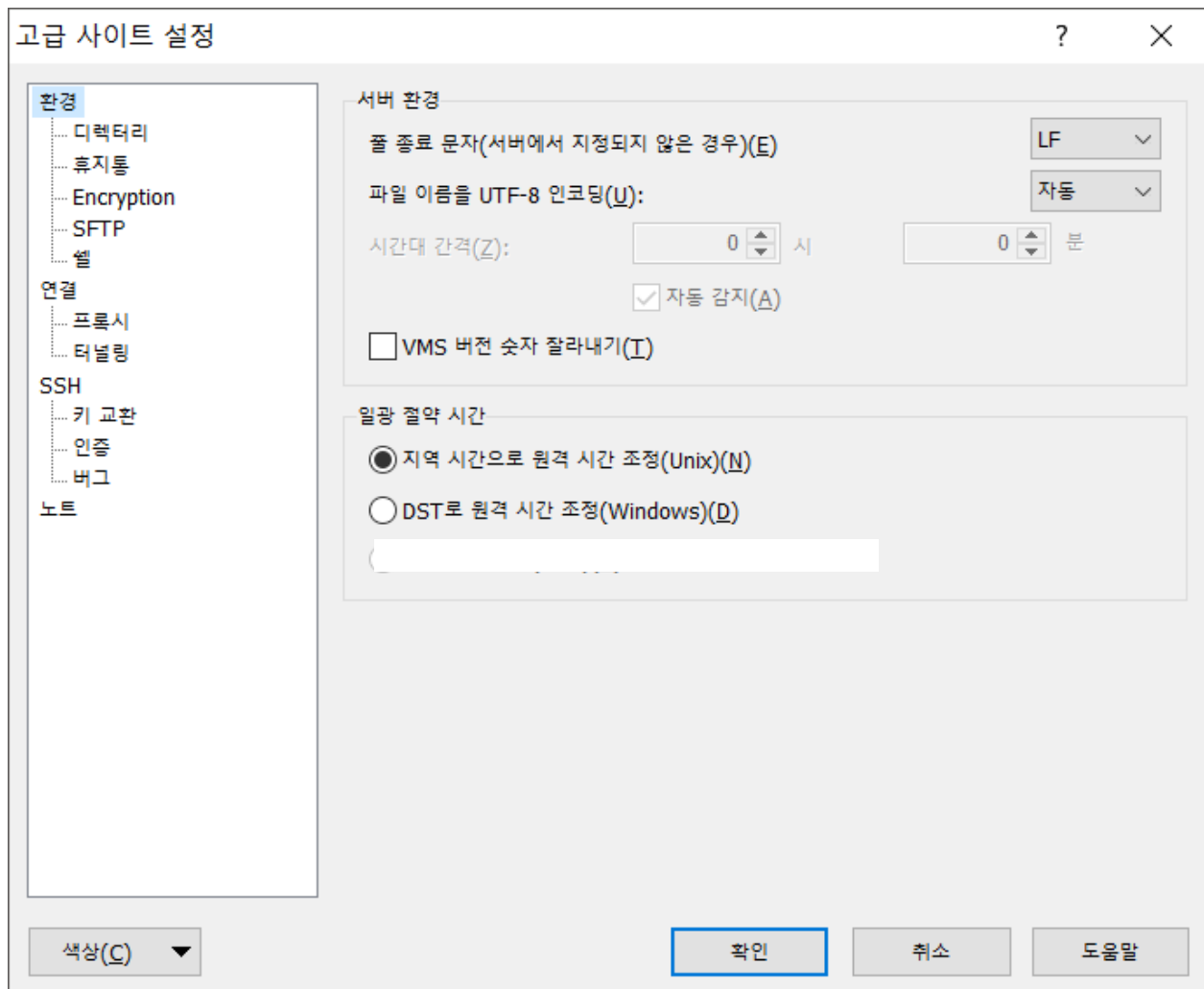
도움말

ec2-user

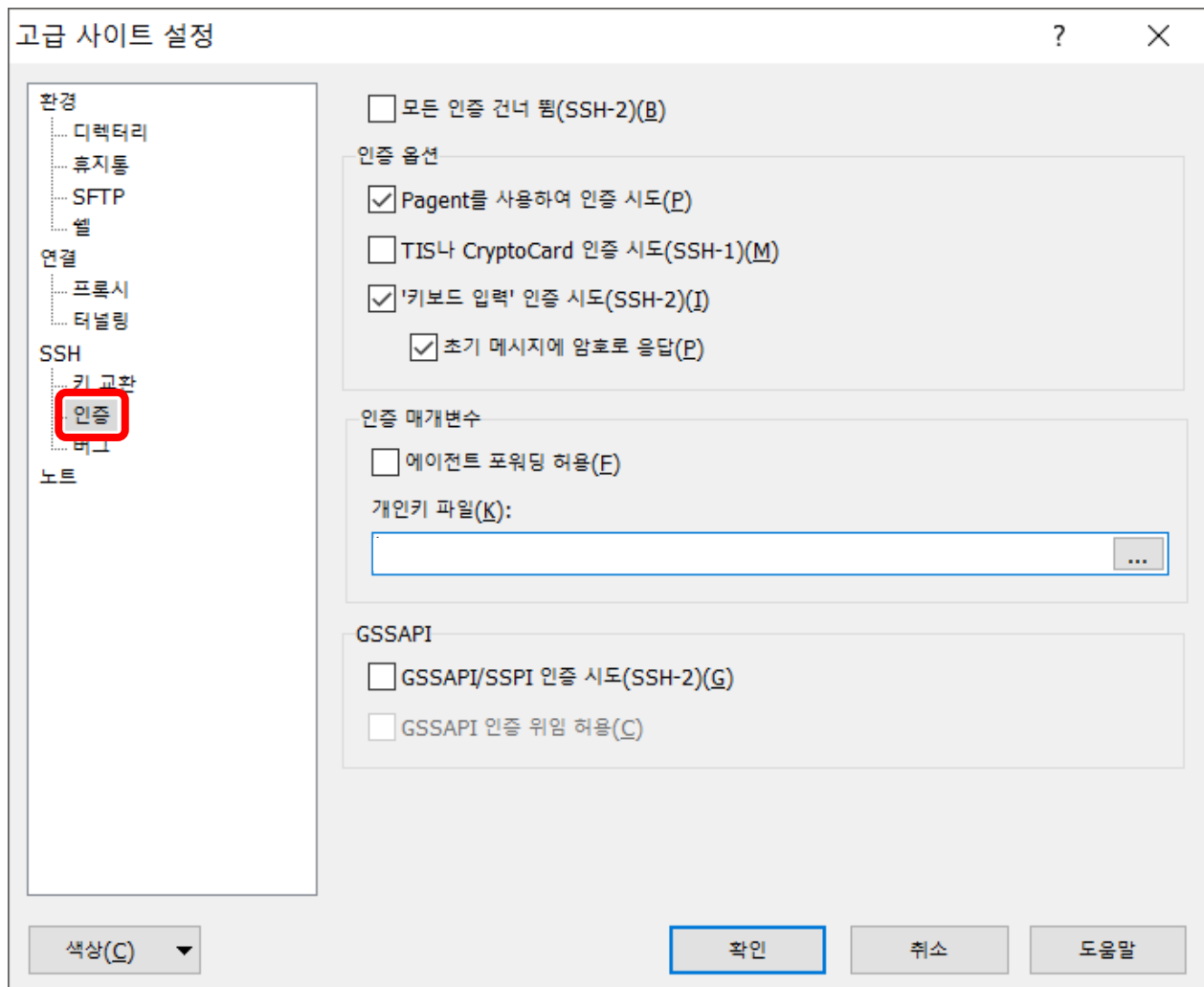
WinSCP를 통한 파일 전송



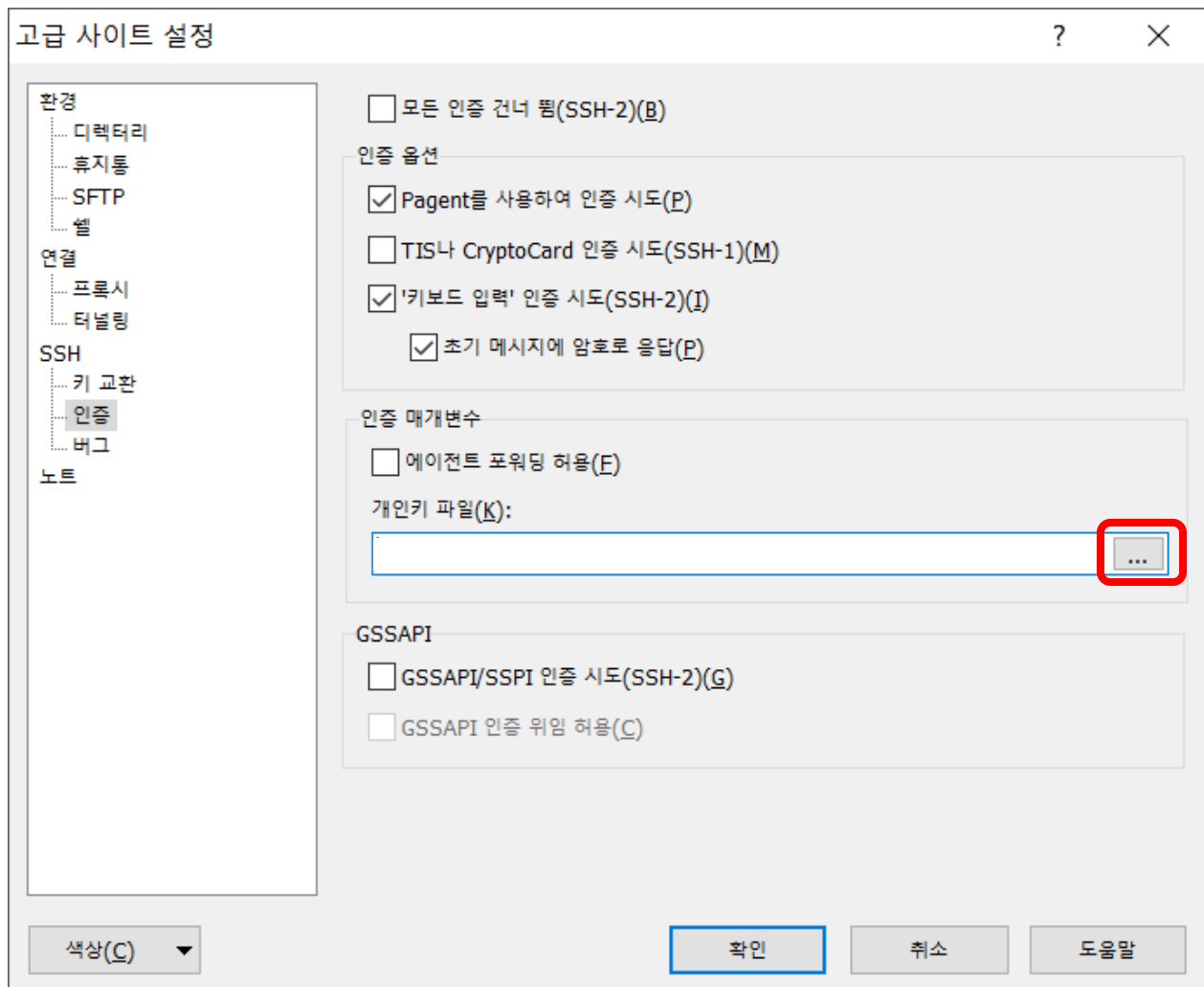
WinSCP를 통한 파일 전송



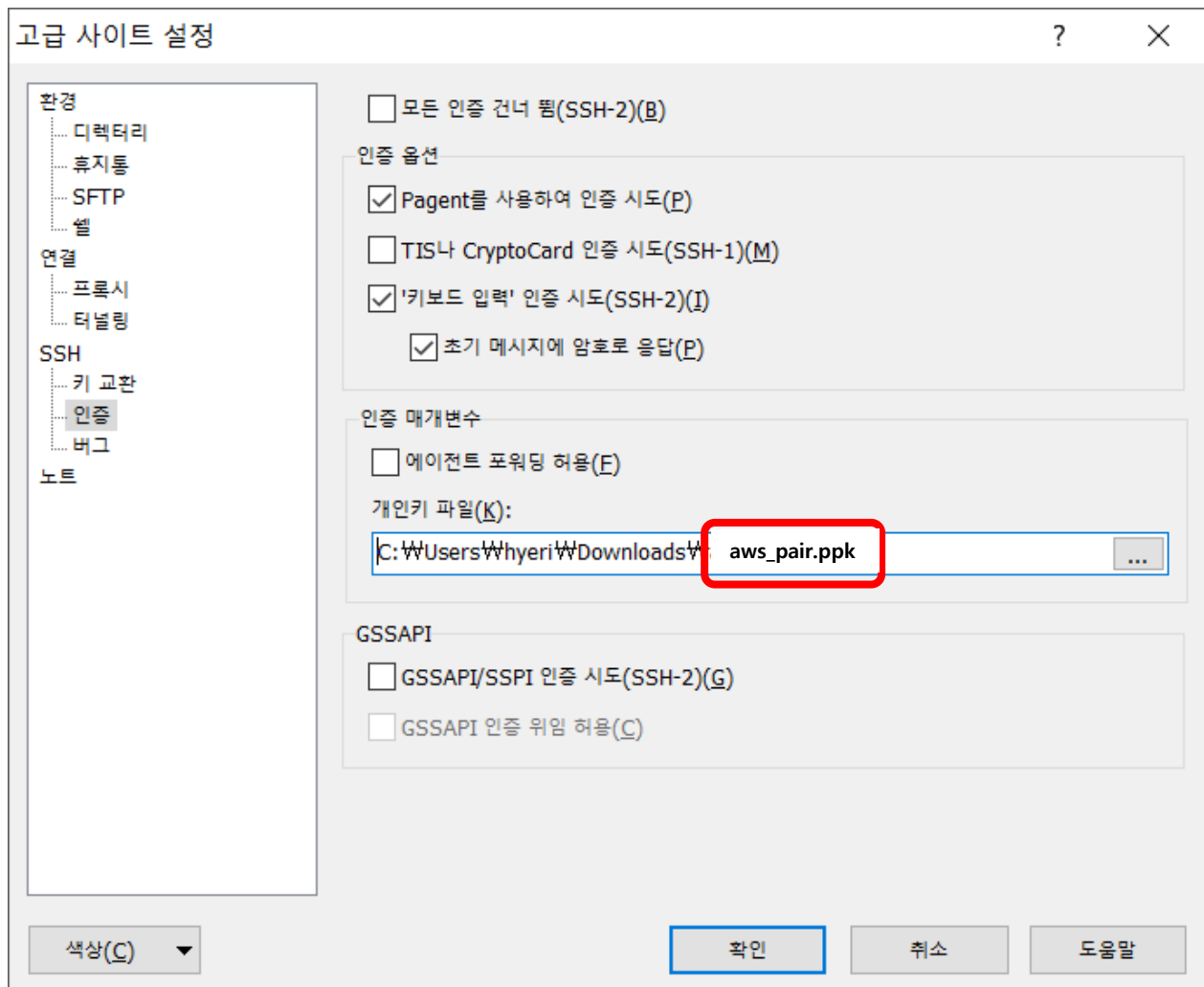
WinSCP를 통한 파일 전송



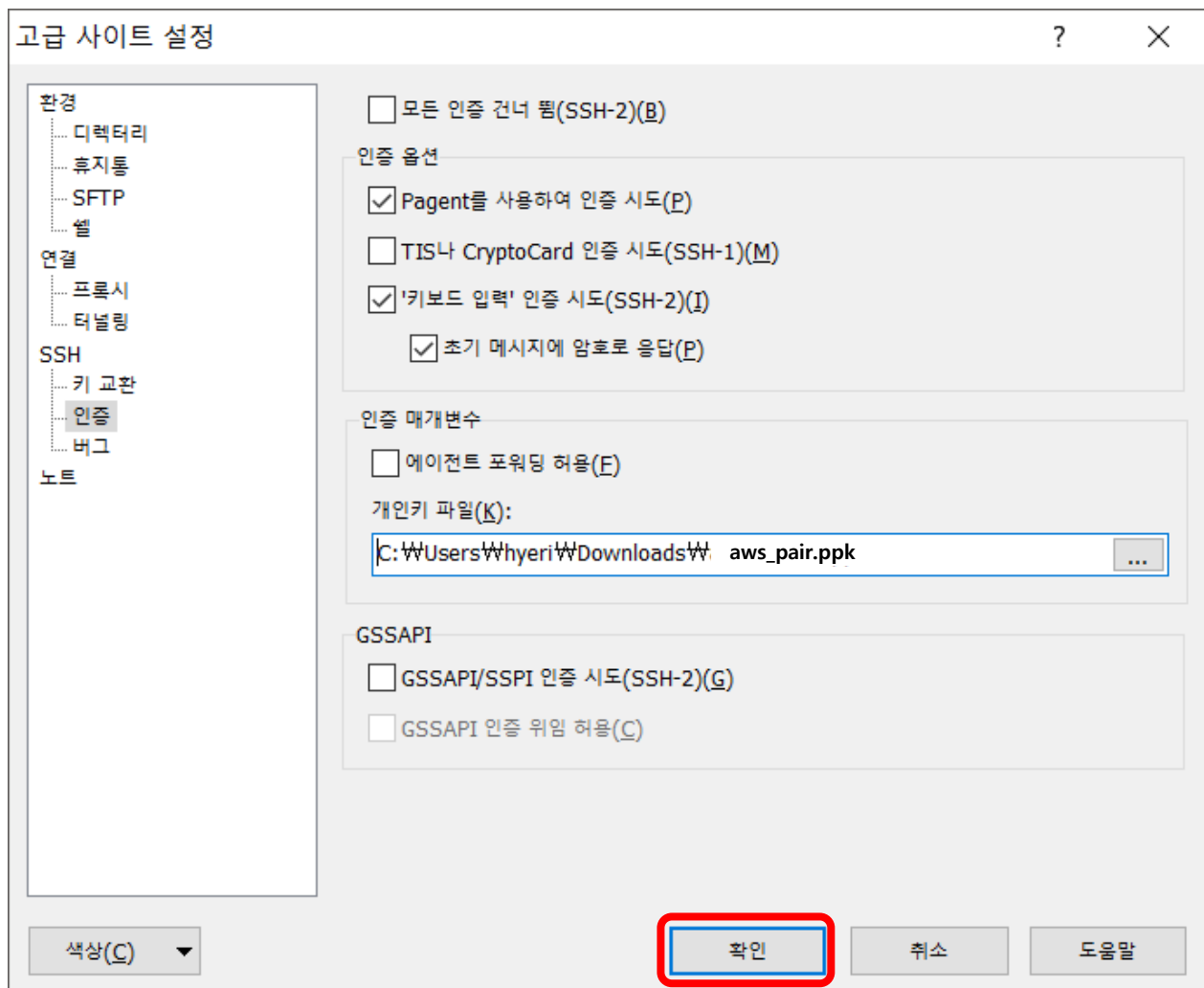
WinSCP를 통한 파일 전송



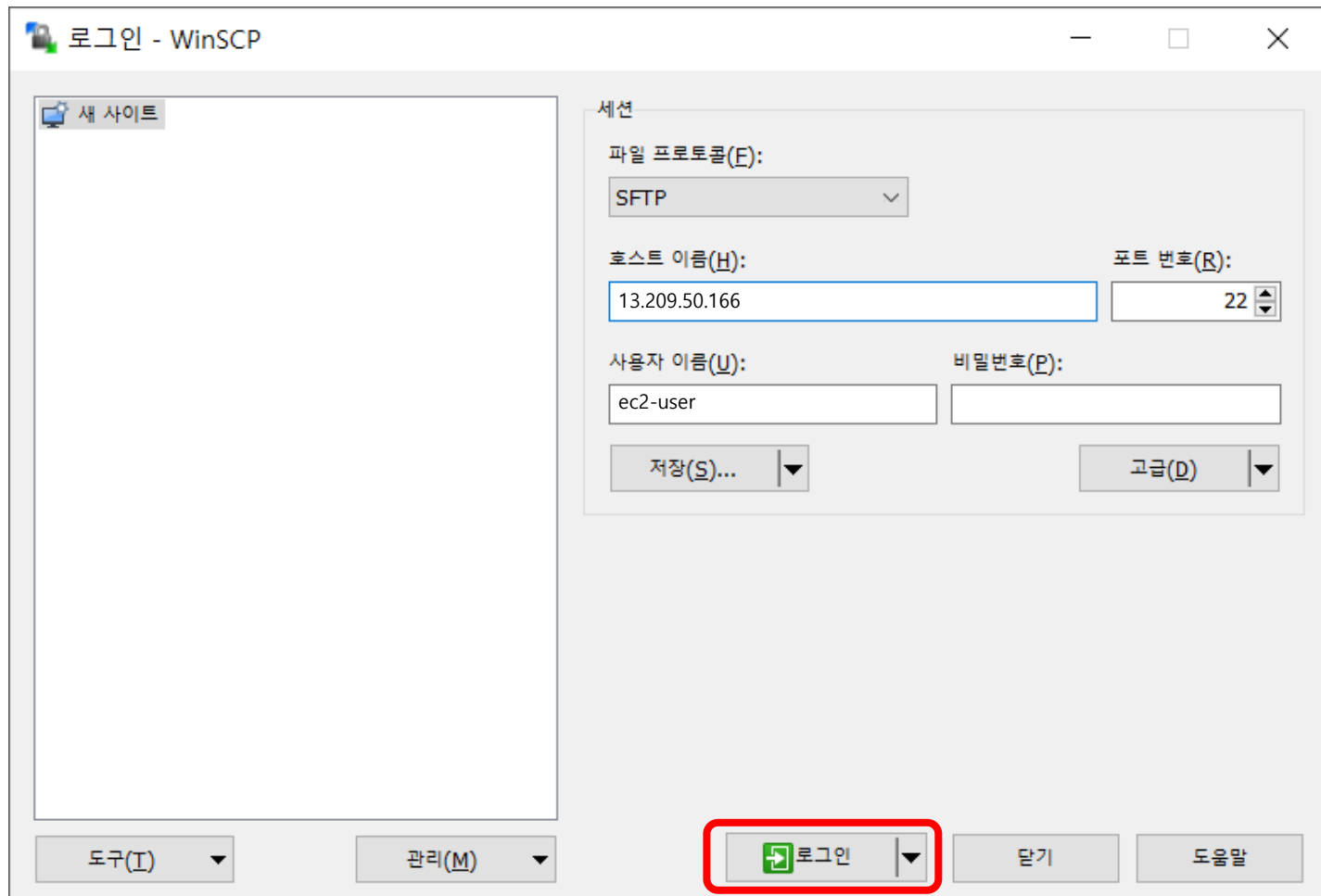
WinSCP를 통한 파일 전송



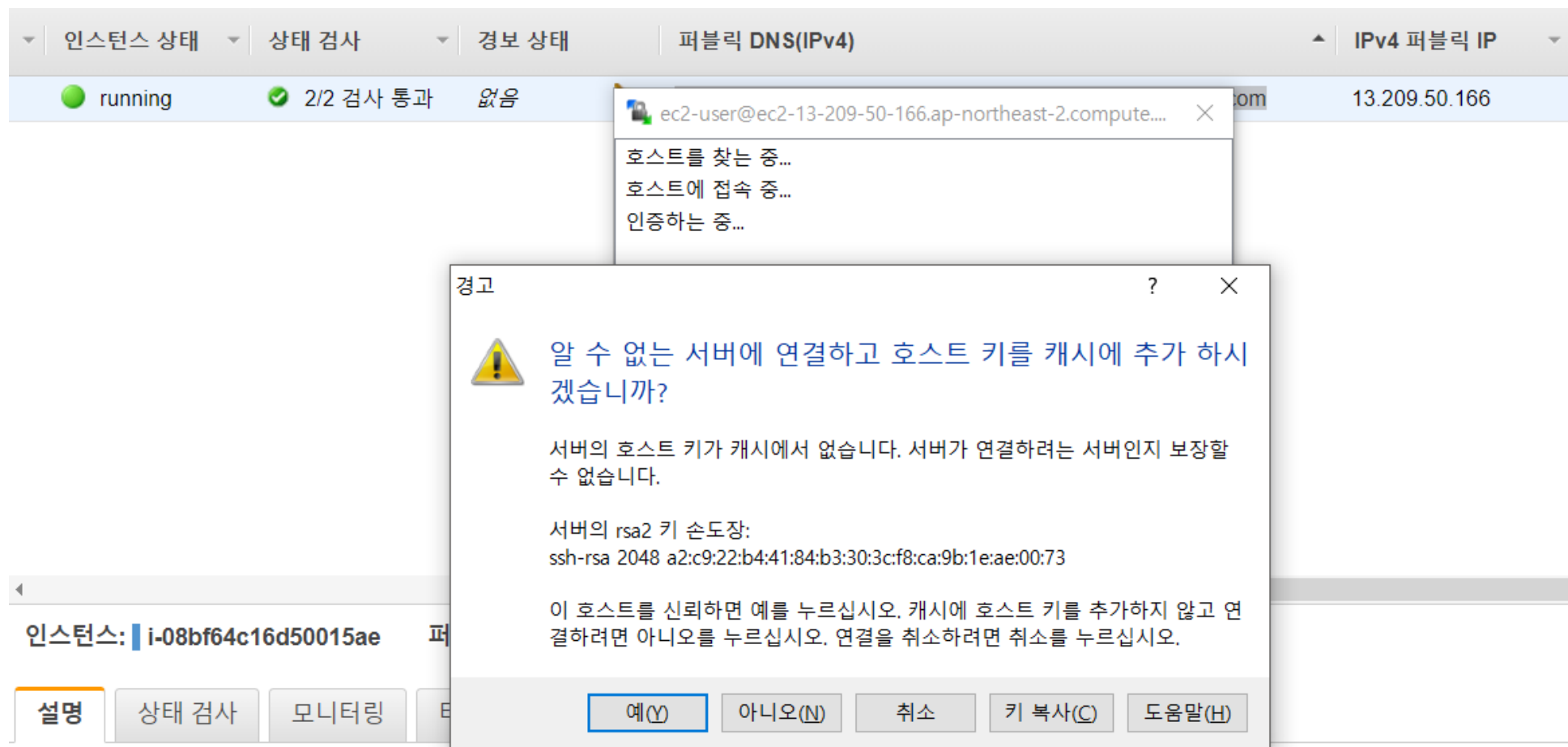
WinSCP를 통한 파일 전송



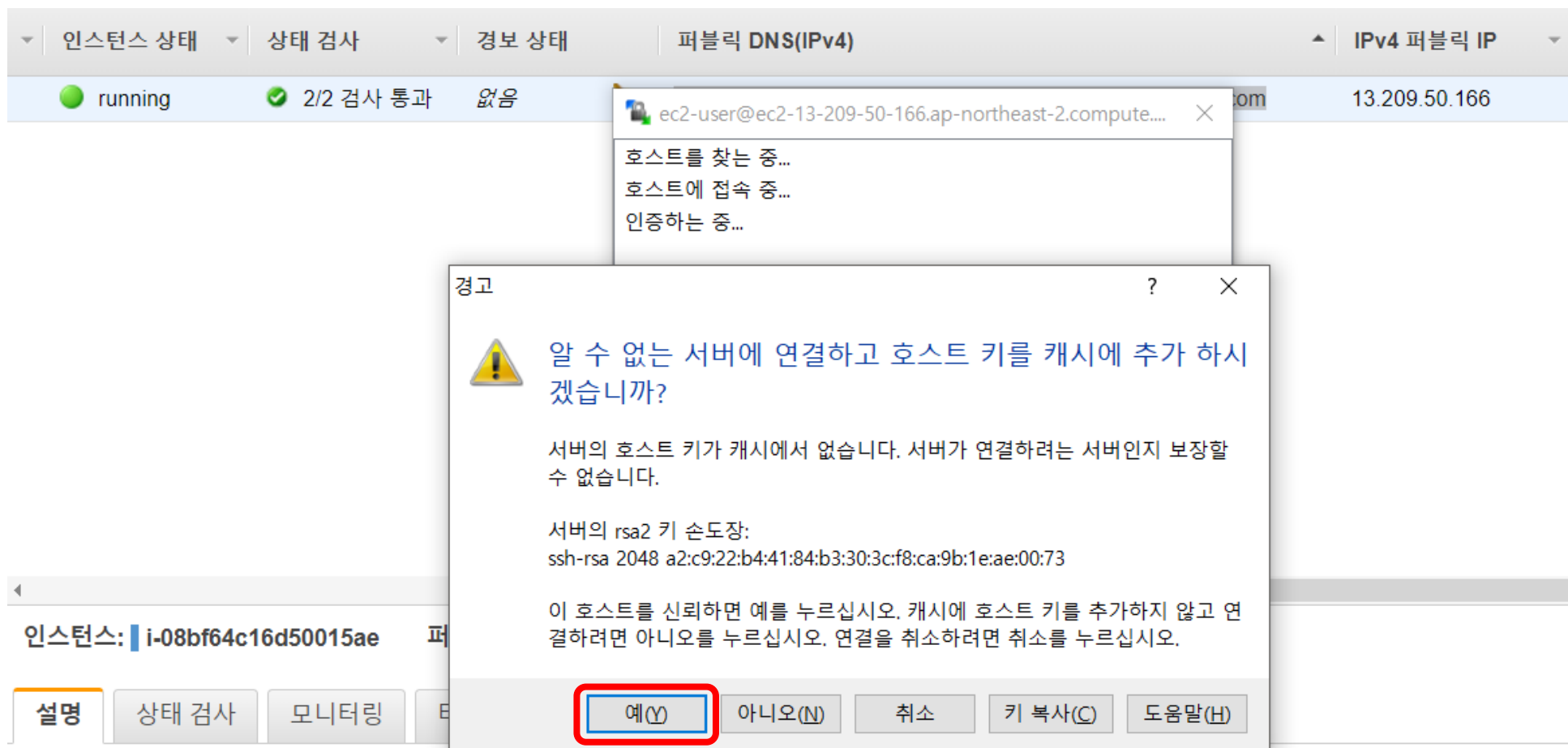
WinSCP를 통한 파일 전송



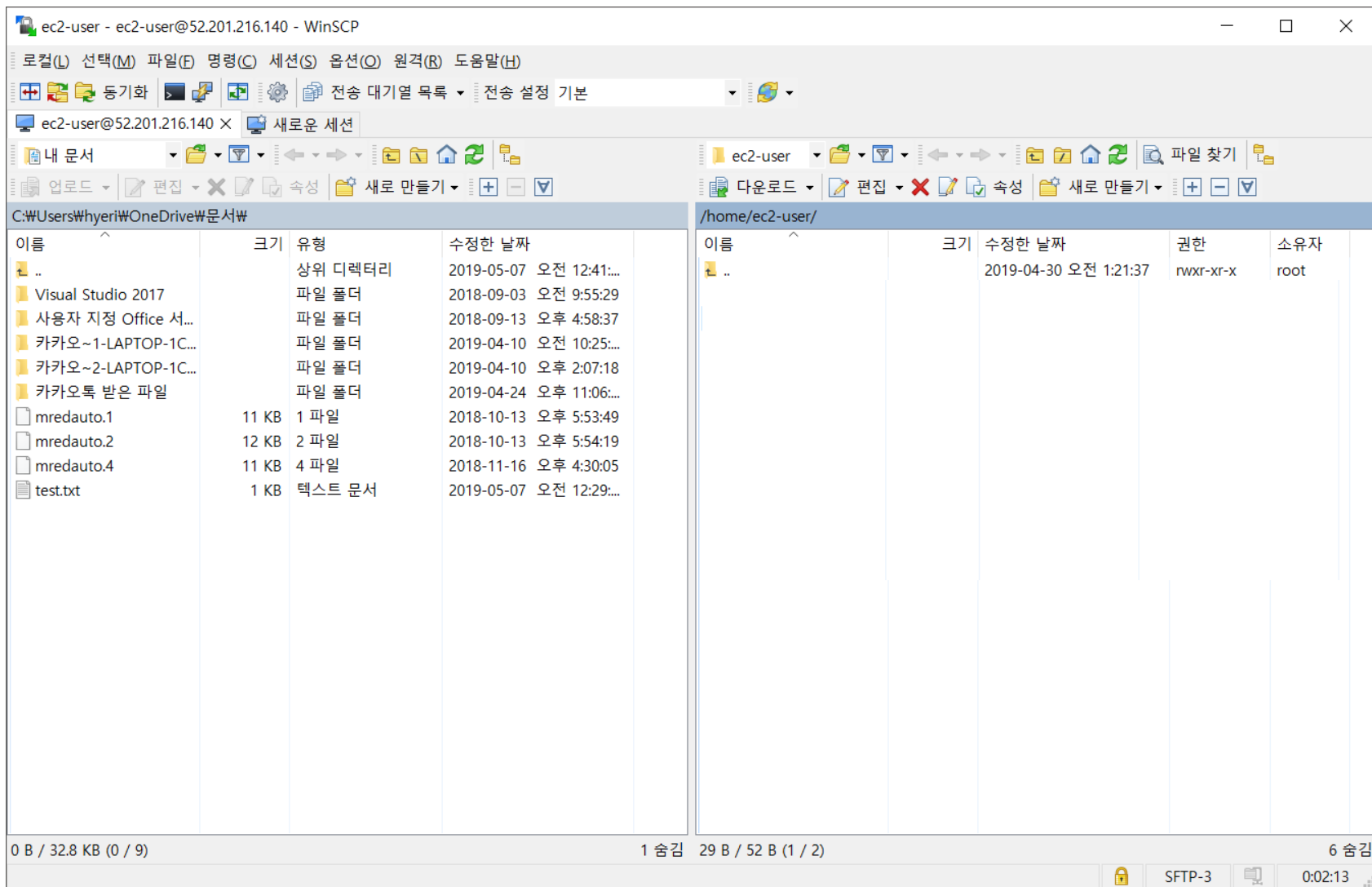
WinSCP를 통한 파일 전송



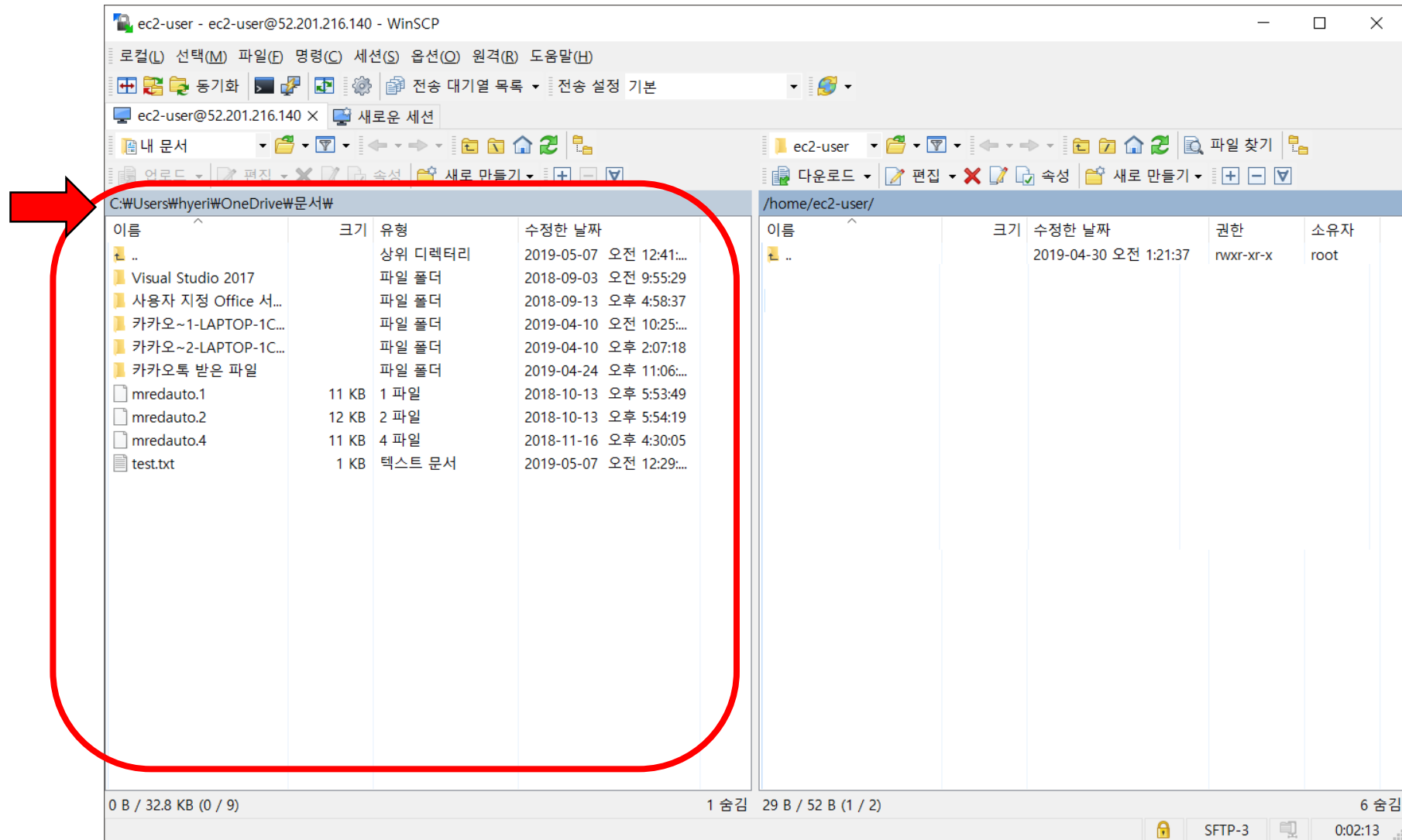
WinSCP를 통한 파일 전송



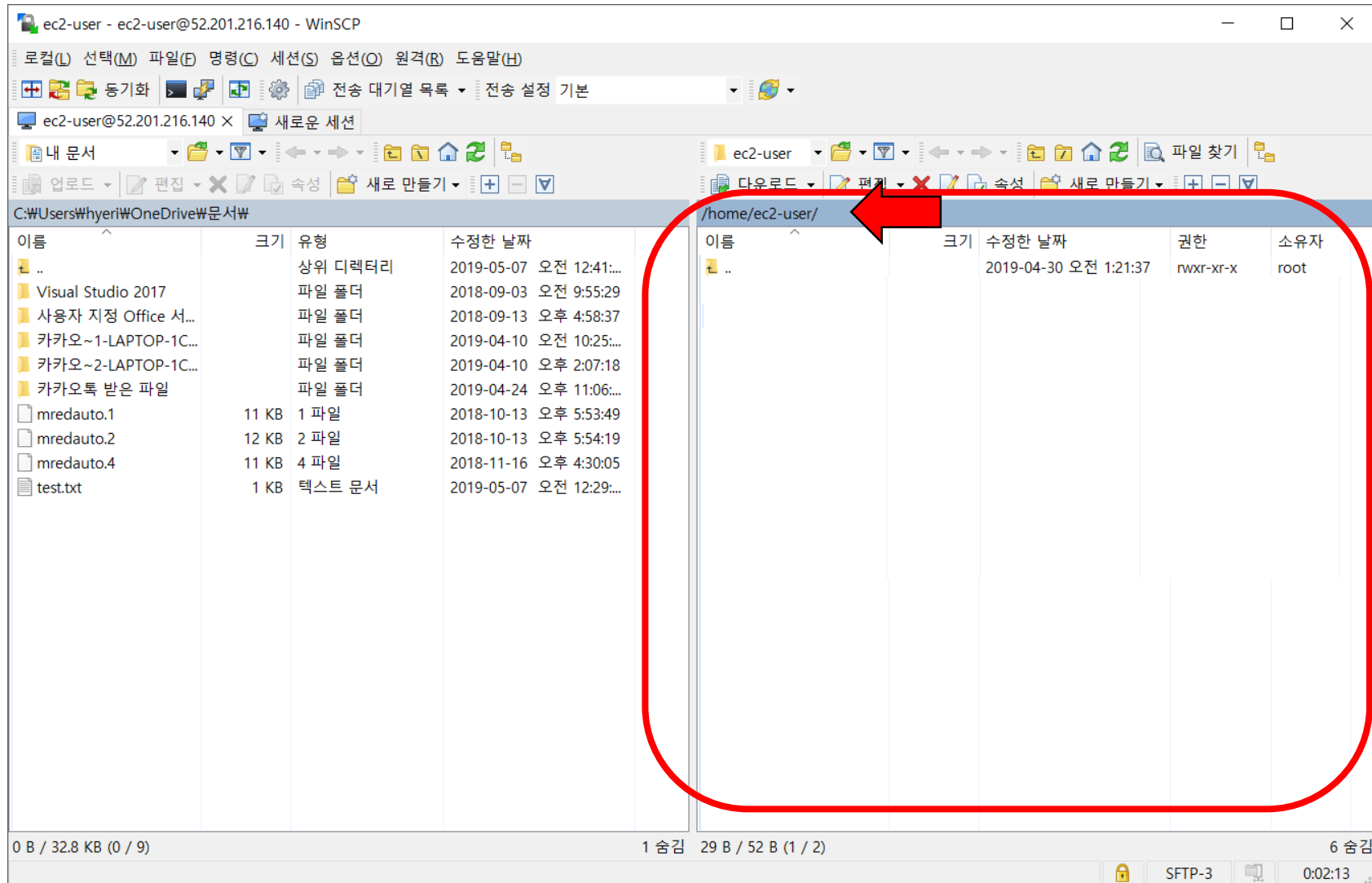
WinSCP를 통한 파일 전송



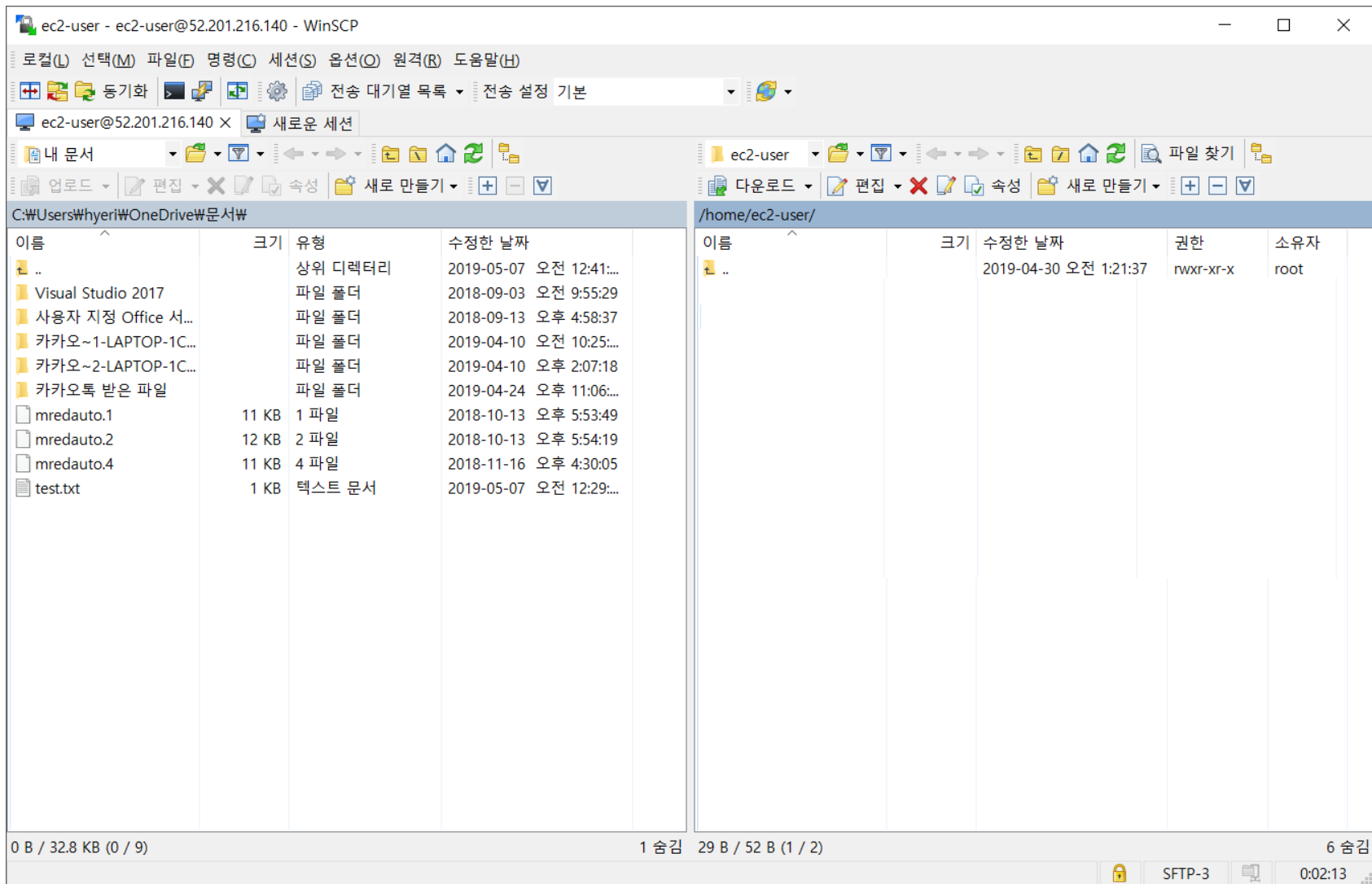
WinSCP를 통한 파일 전송



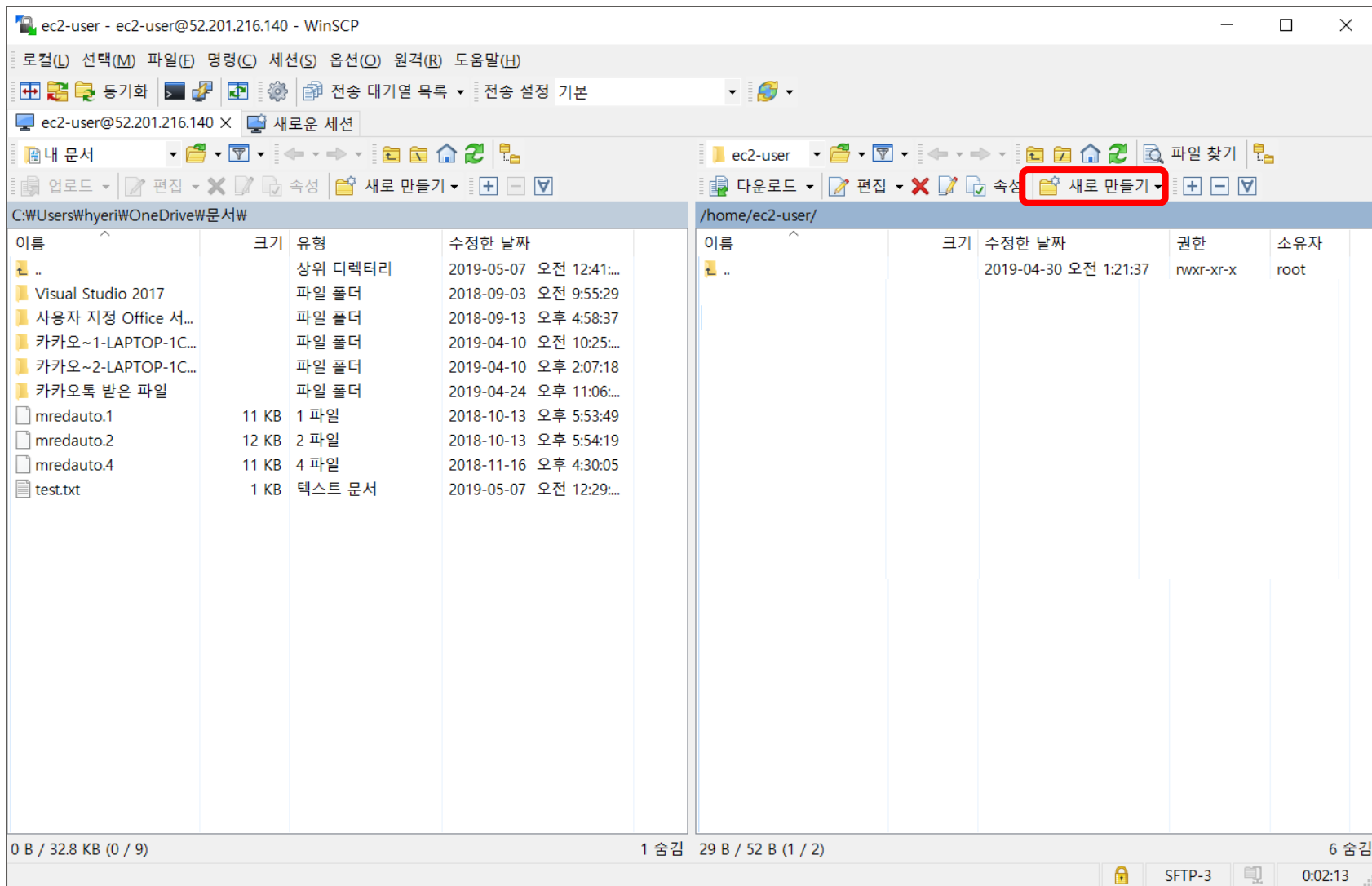
WinSCP를 통한 파일 전송



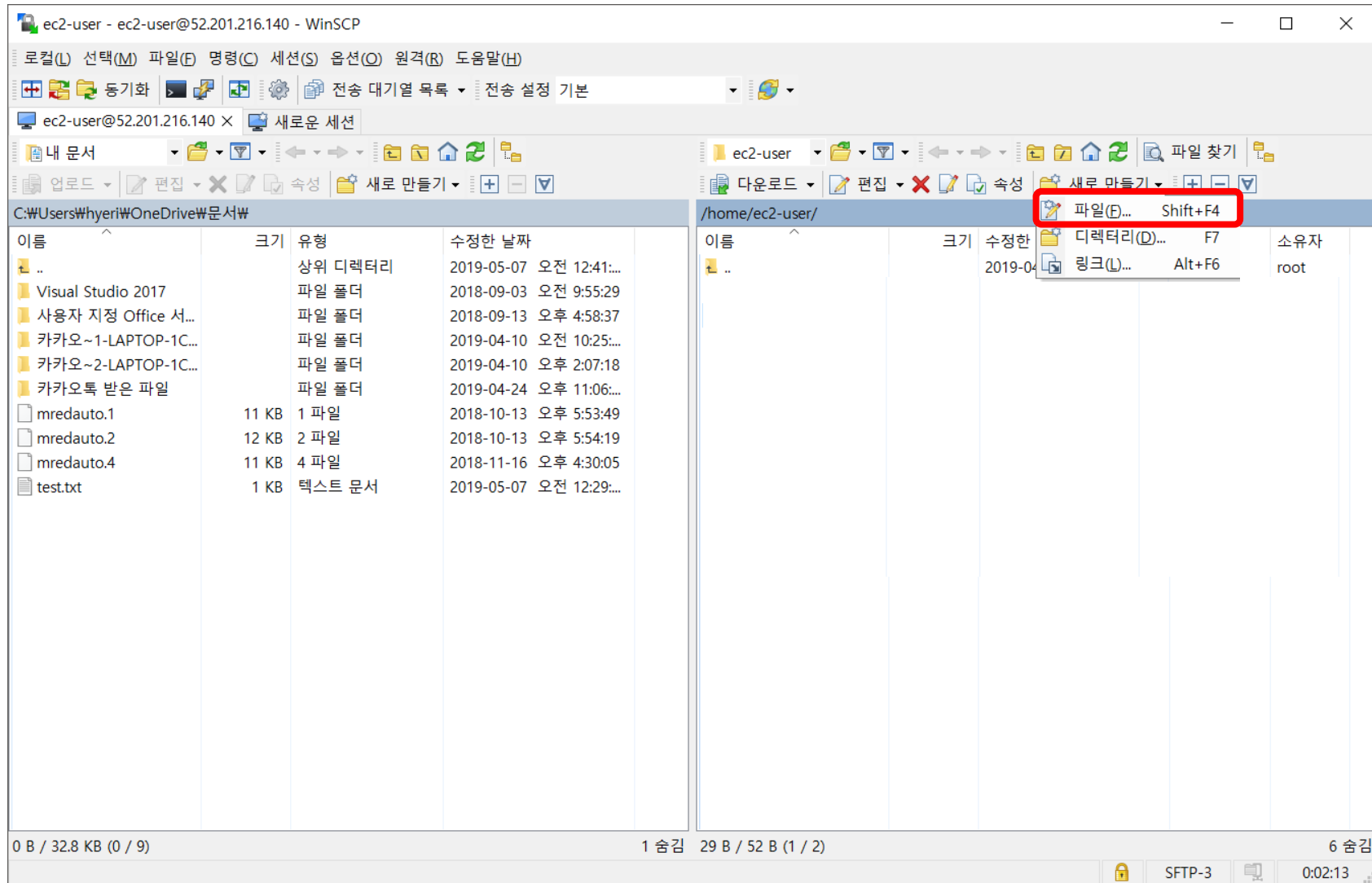
WinSCP를 통한 파일 전송



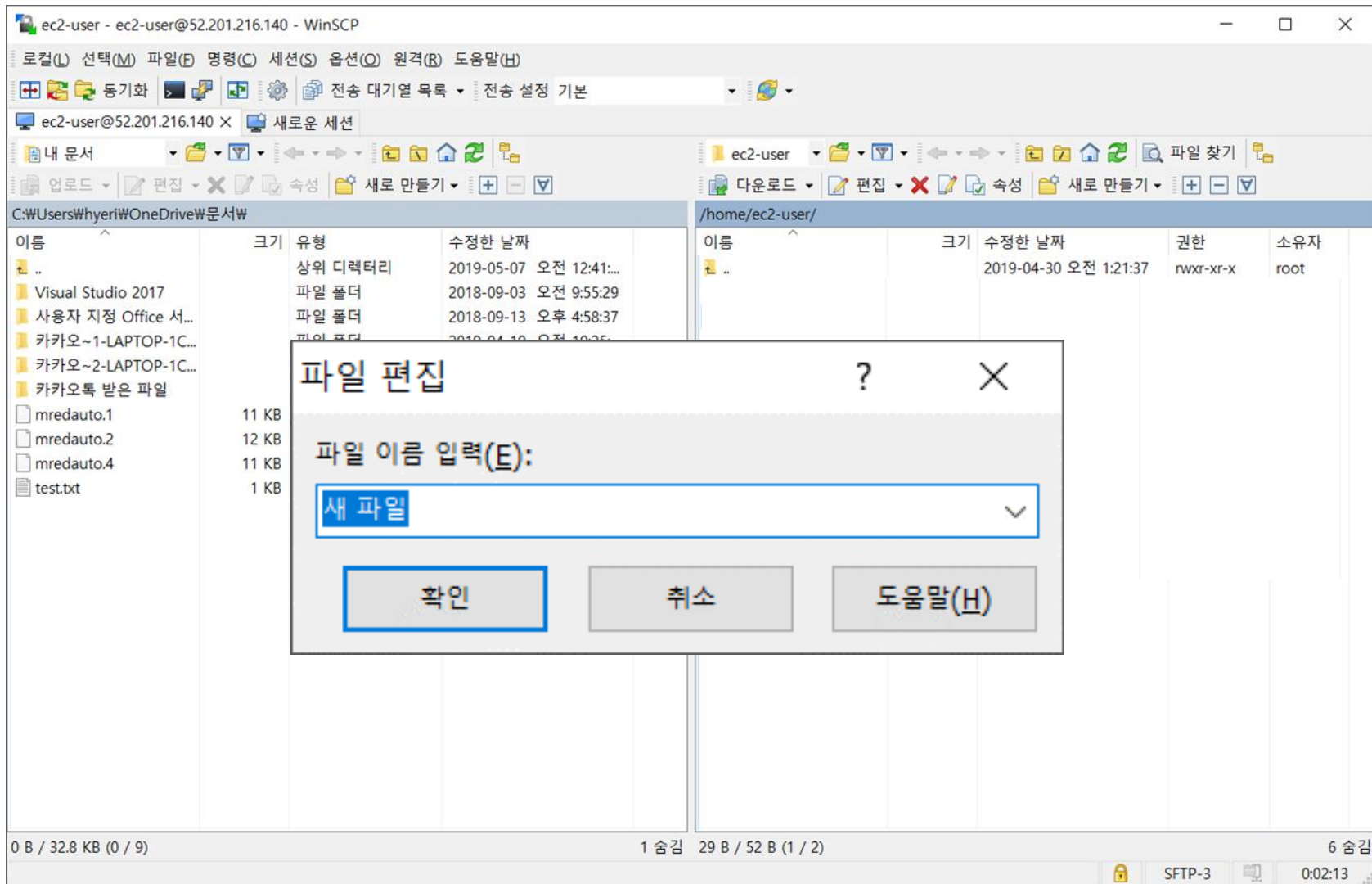
WinSCP를 통한 파일 전송



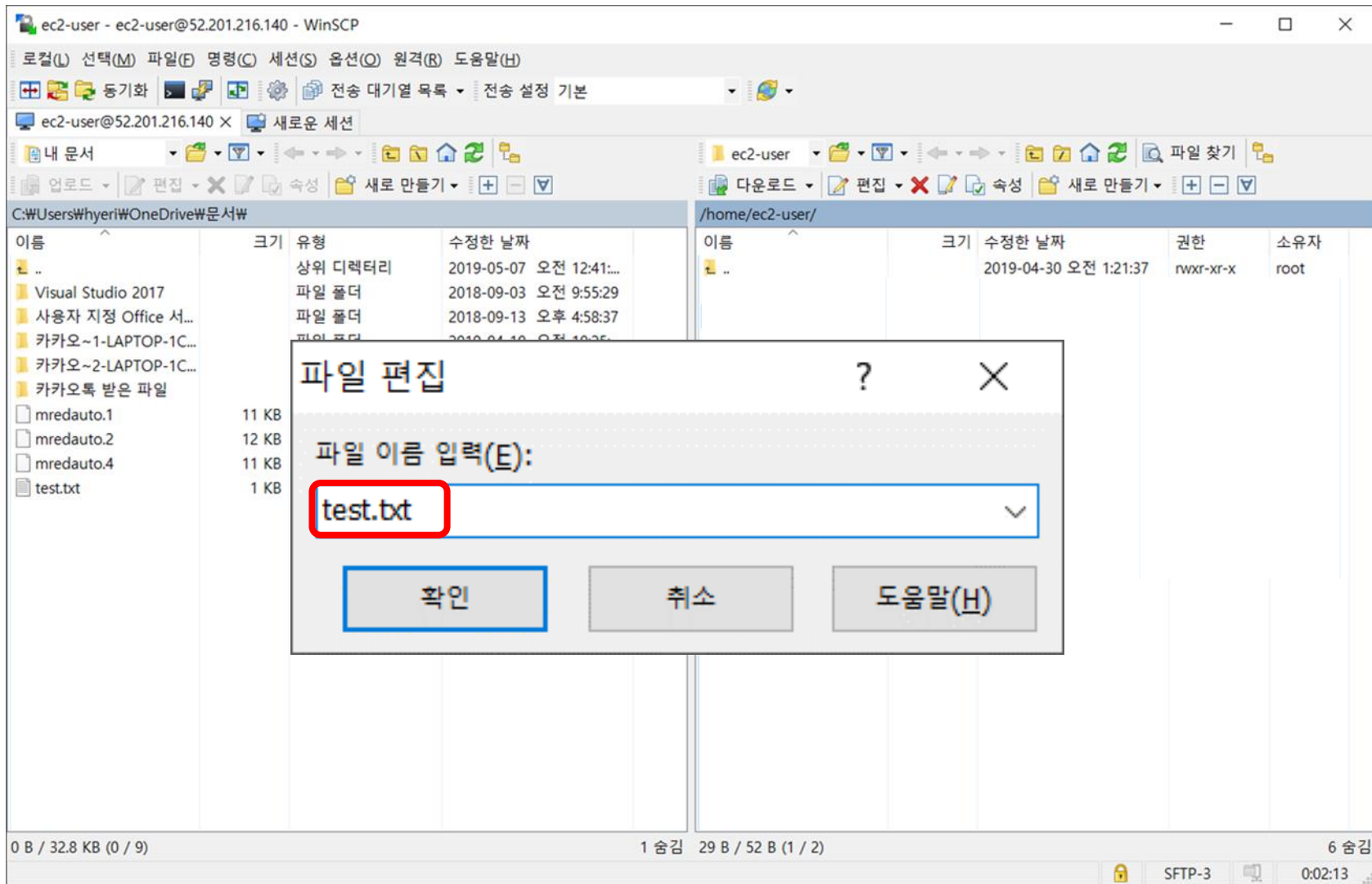
WinSCP를 통한 파일 전송



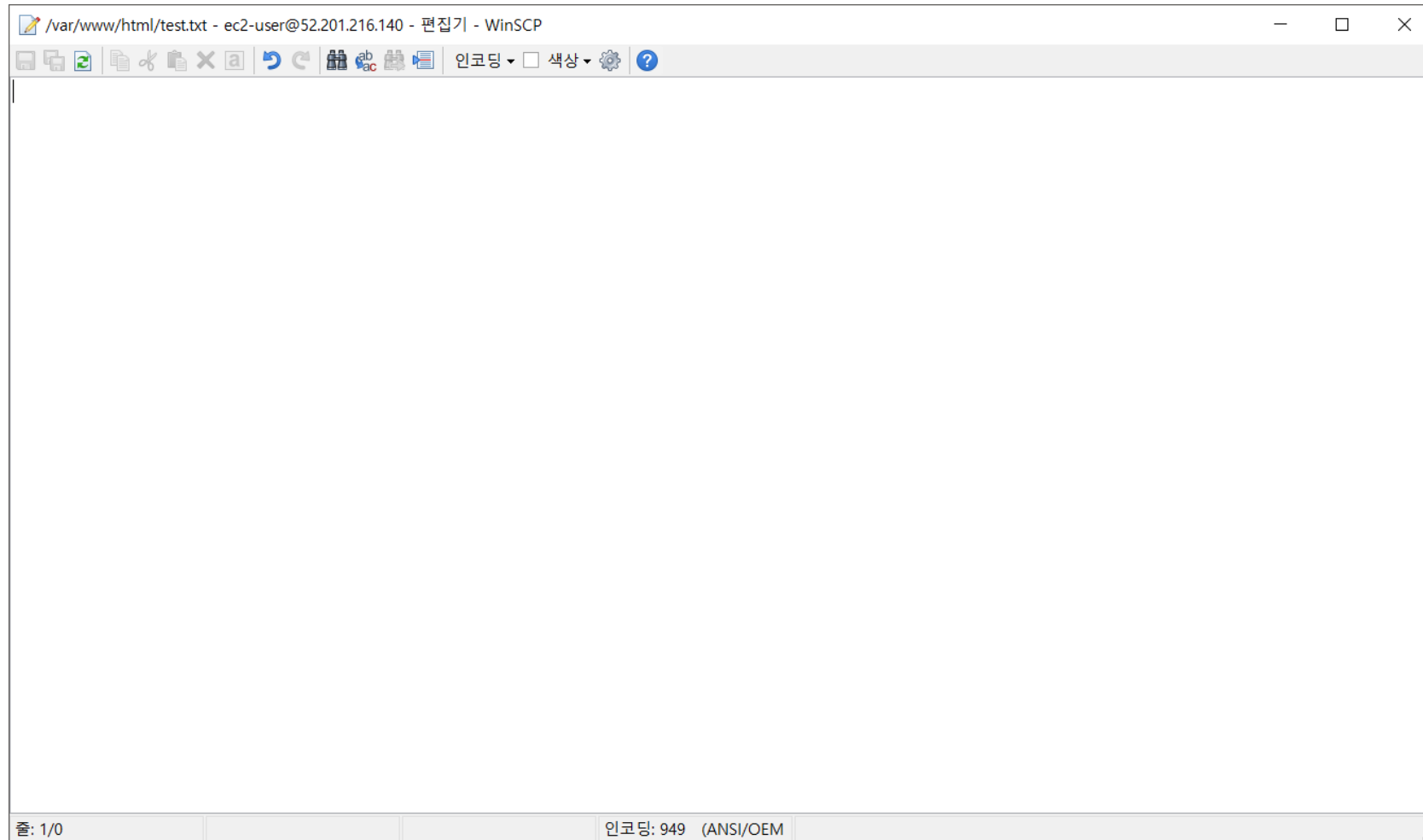
WinSCP를 통한 파일 전송



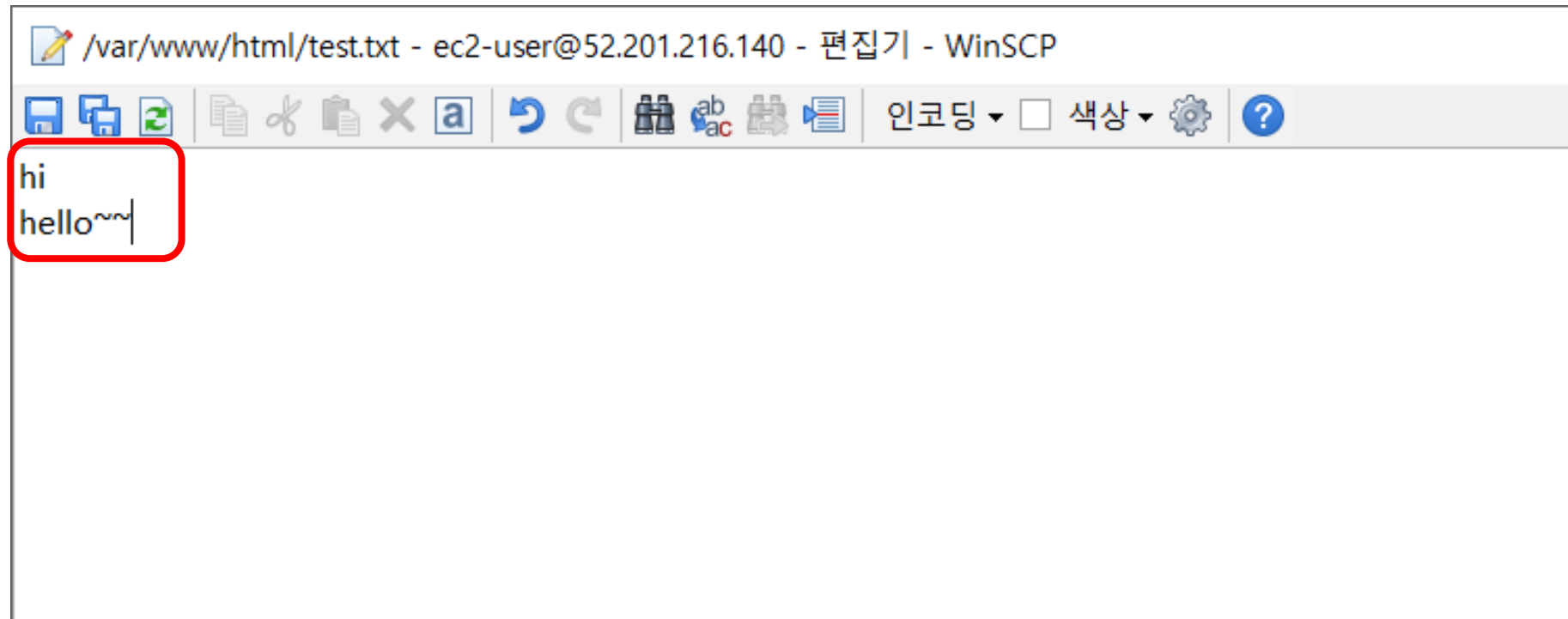
WinSCP를 통한 파일 전송



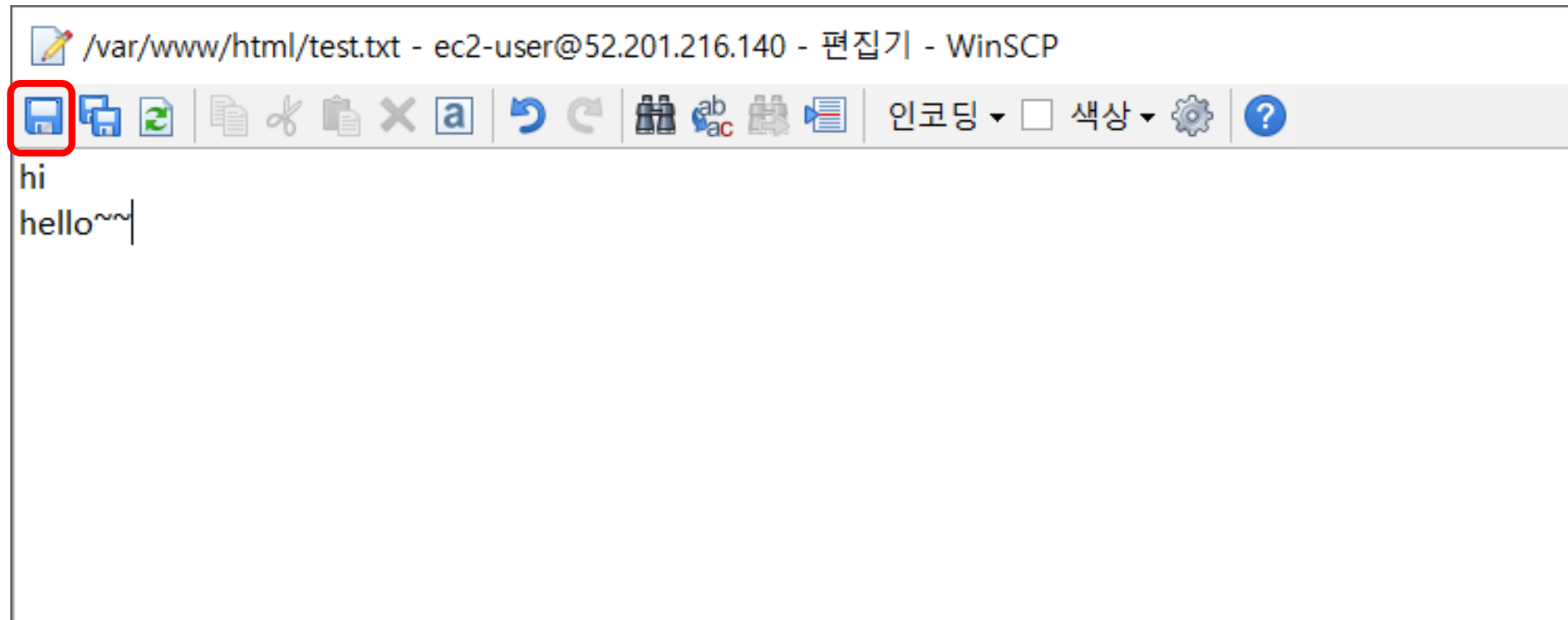
WinSCP를 통한 파일 전송



WinSCP를 통한 파일 전송



WinSCP를 통한 파일 전송



WinSCP를 통한 파일 전송

전송 대기열						
작업	원본 위치	복사 위치	전송됨	시간	속도	진행률
	test.txt	/home/ec2-user	1 KB			완료됨
					SFTP-3	0:47:49

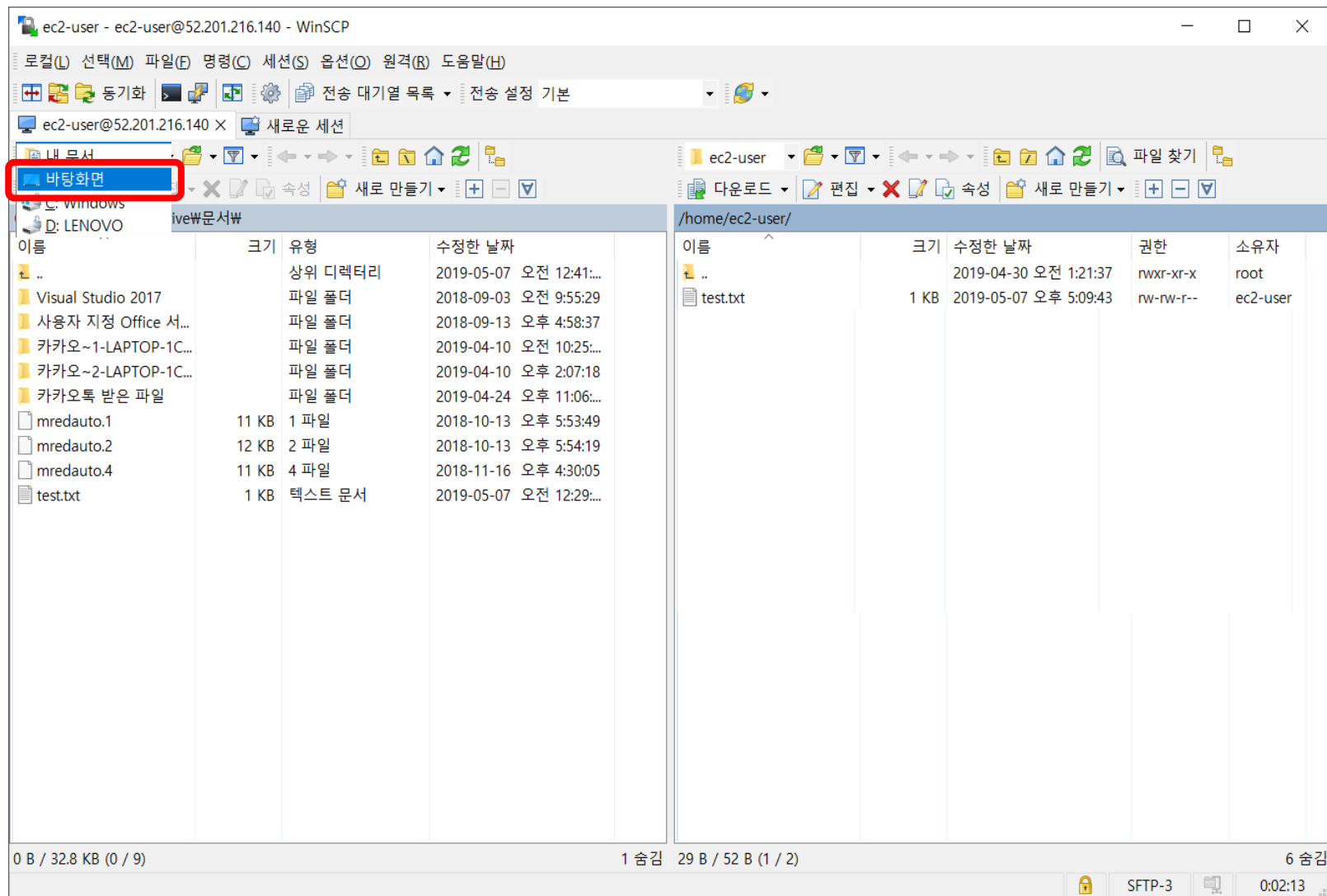
WinSCP를 통한 파일 전송

전송 대기열						
작업	원본 위치	복사 위치	전송됨	시간	속도	진행률
	test.txt	/home/ec2-user	1 KB			완료됨

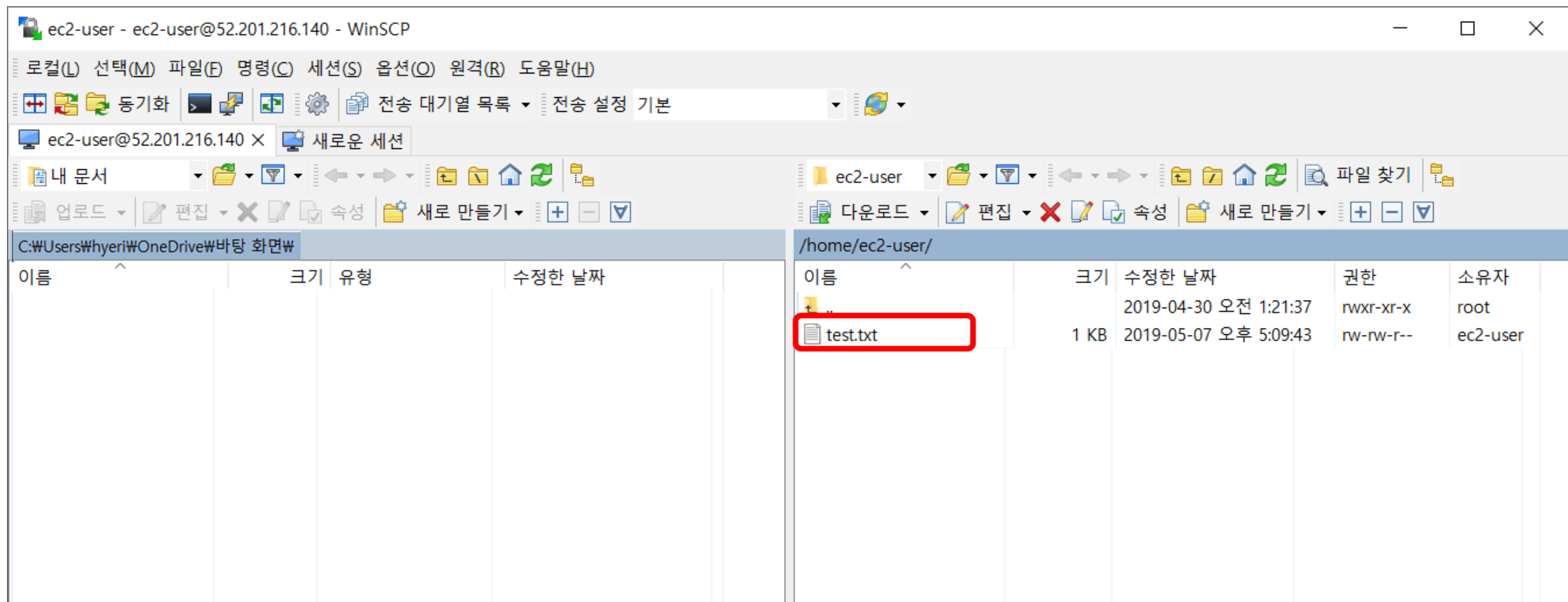
SFTP-3 0:47:49

다운로드									
편집									
삭성									
새로 만들기									
/home/ec2-user									
이름	크기	수정한 날짜	권한	소유자					
..		2019-04-30 오전 2:30:38	rw-rw-r--	ec2-user					
test.txt	1 KB	2019-05-07 오전 12:29:20	rw-rw-r--	ec2-user					

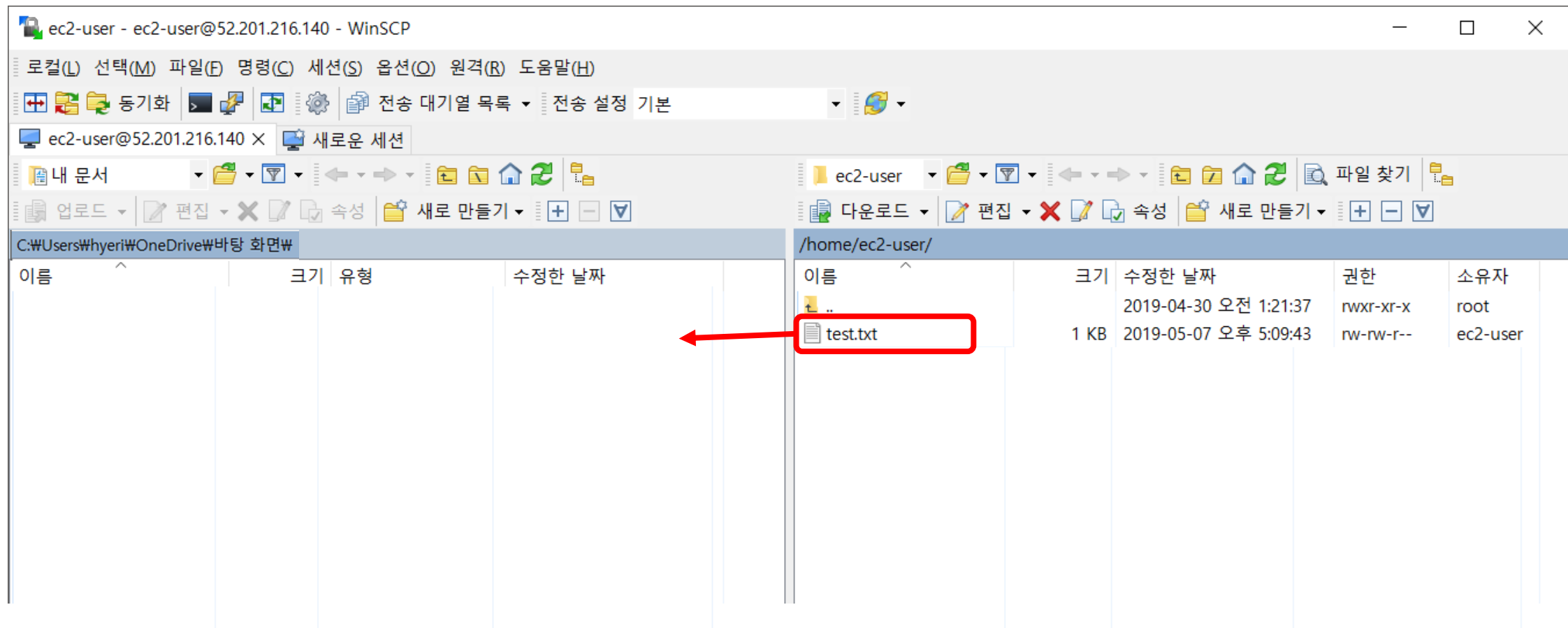
WinSCP를 통한 파일 전송



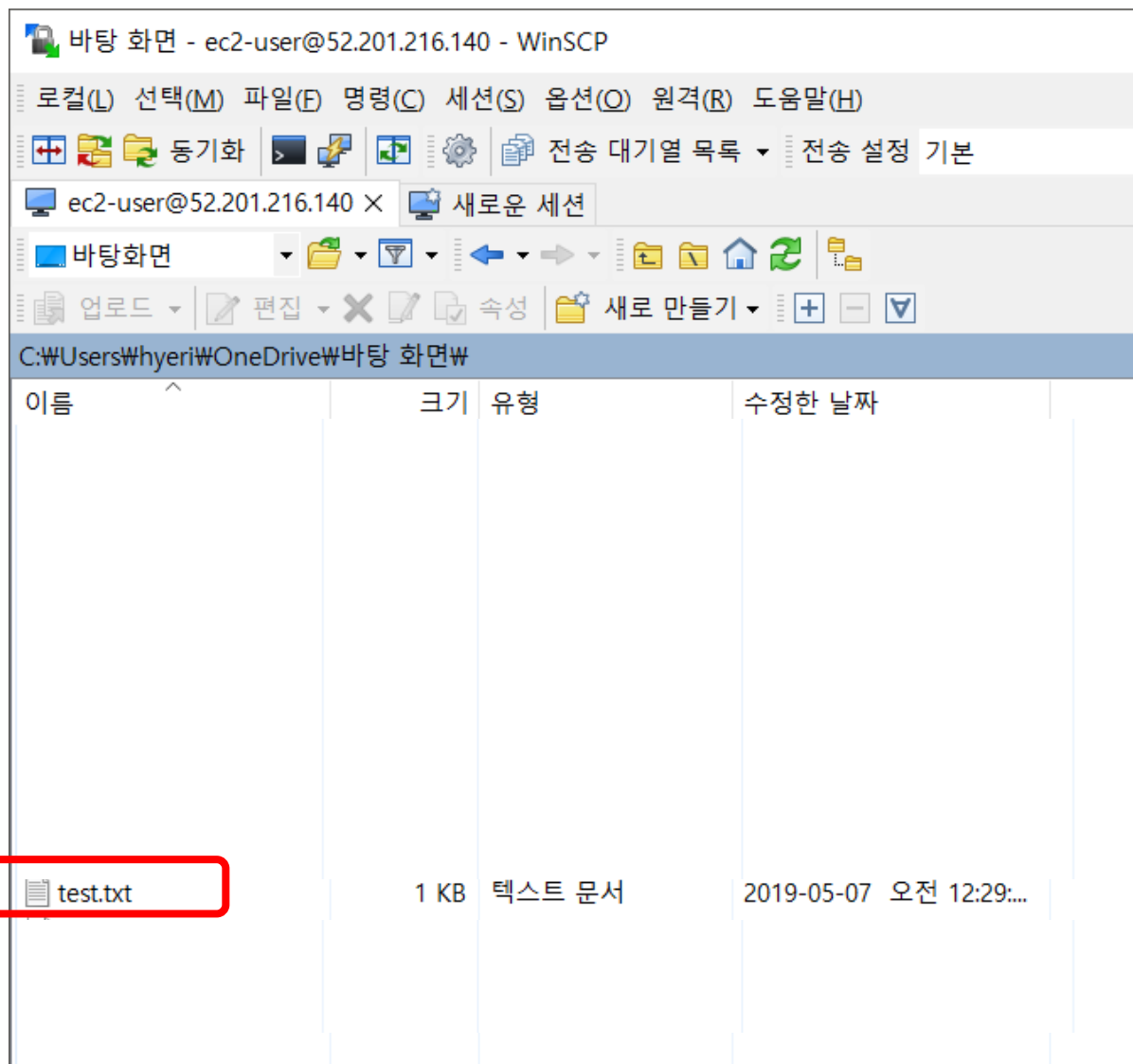
WinSCP를 통한 파일 전송



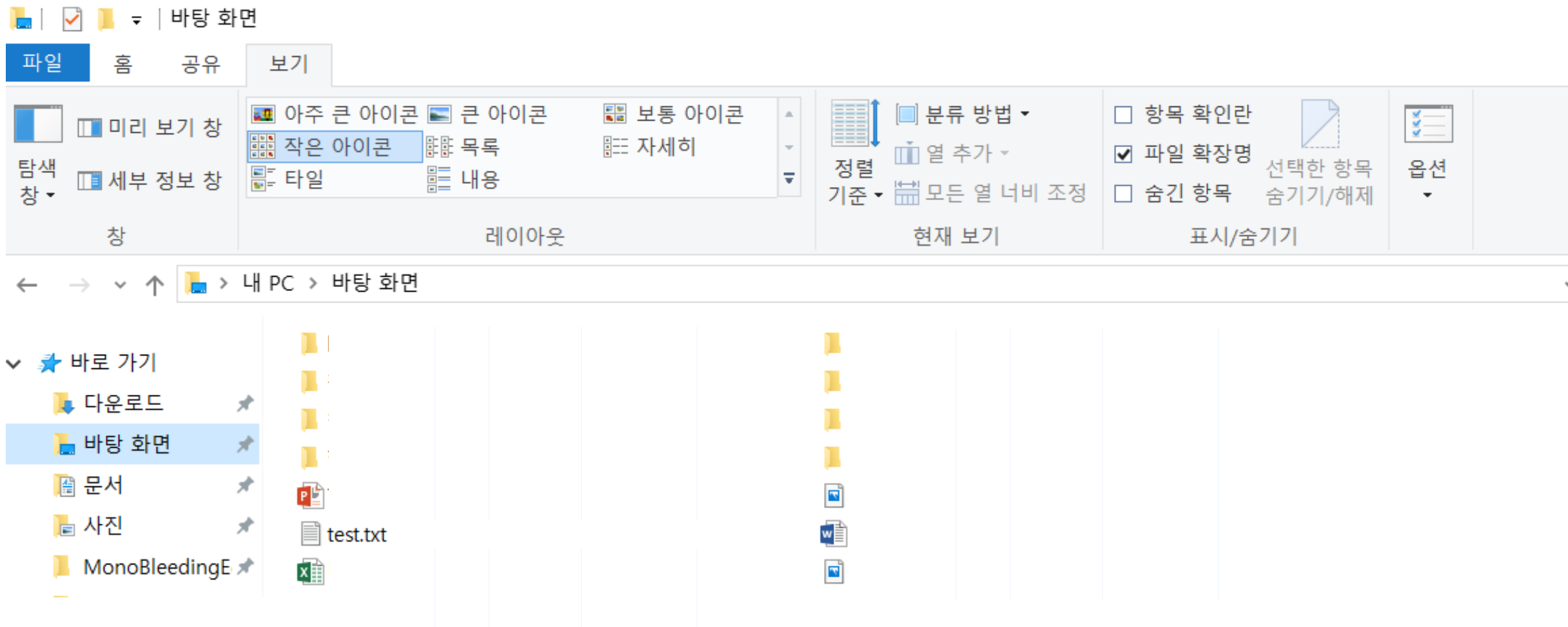
WinSCP를 통한 파일 전송



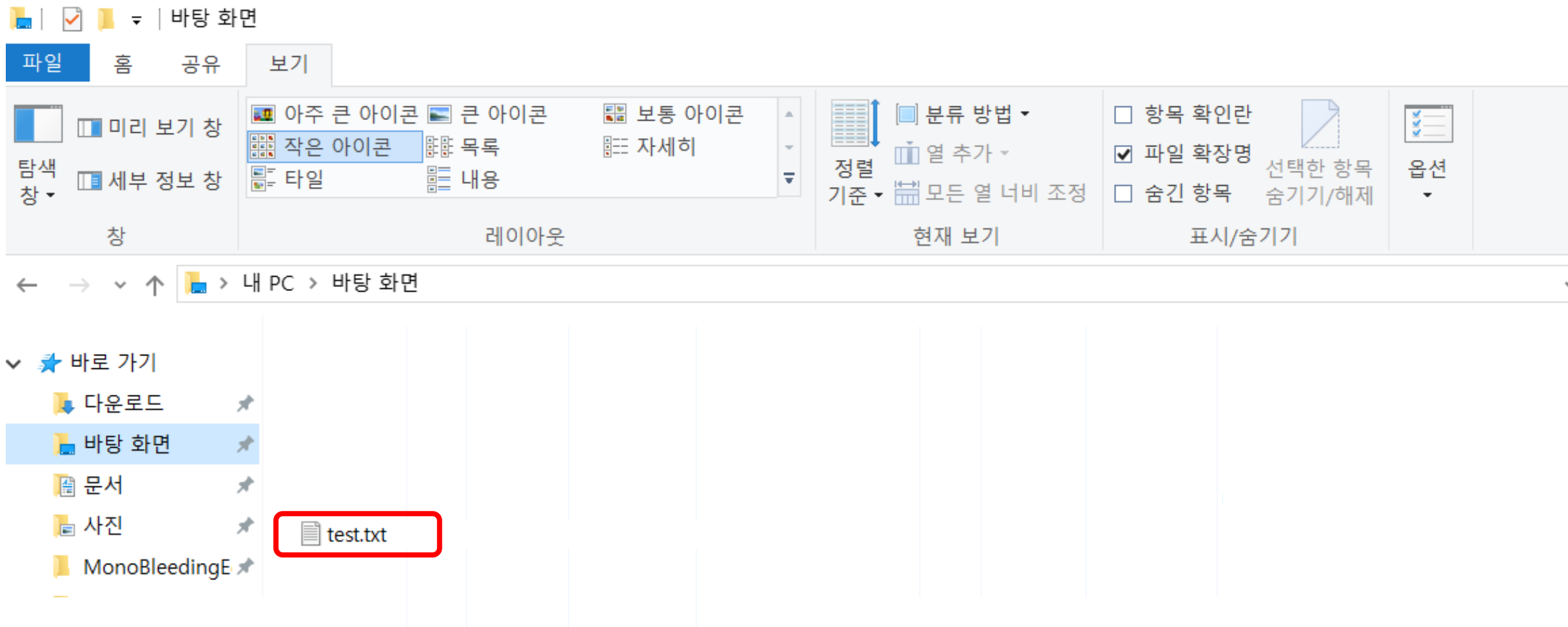
WinSCP를 통한 파일 전송



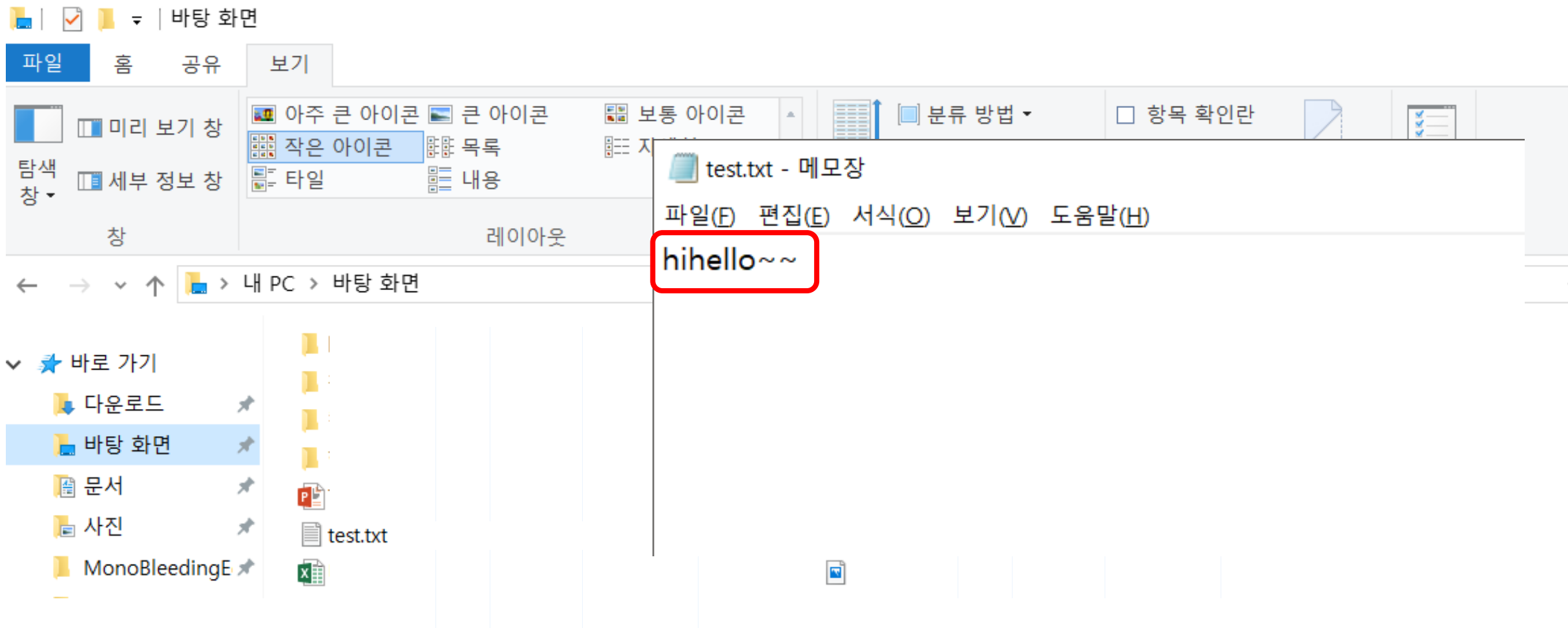
WinSCP를 통한 파일 전송



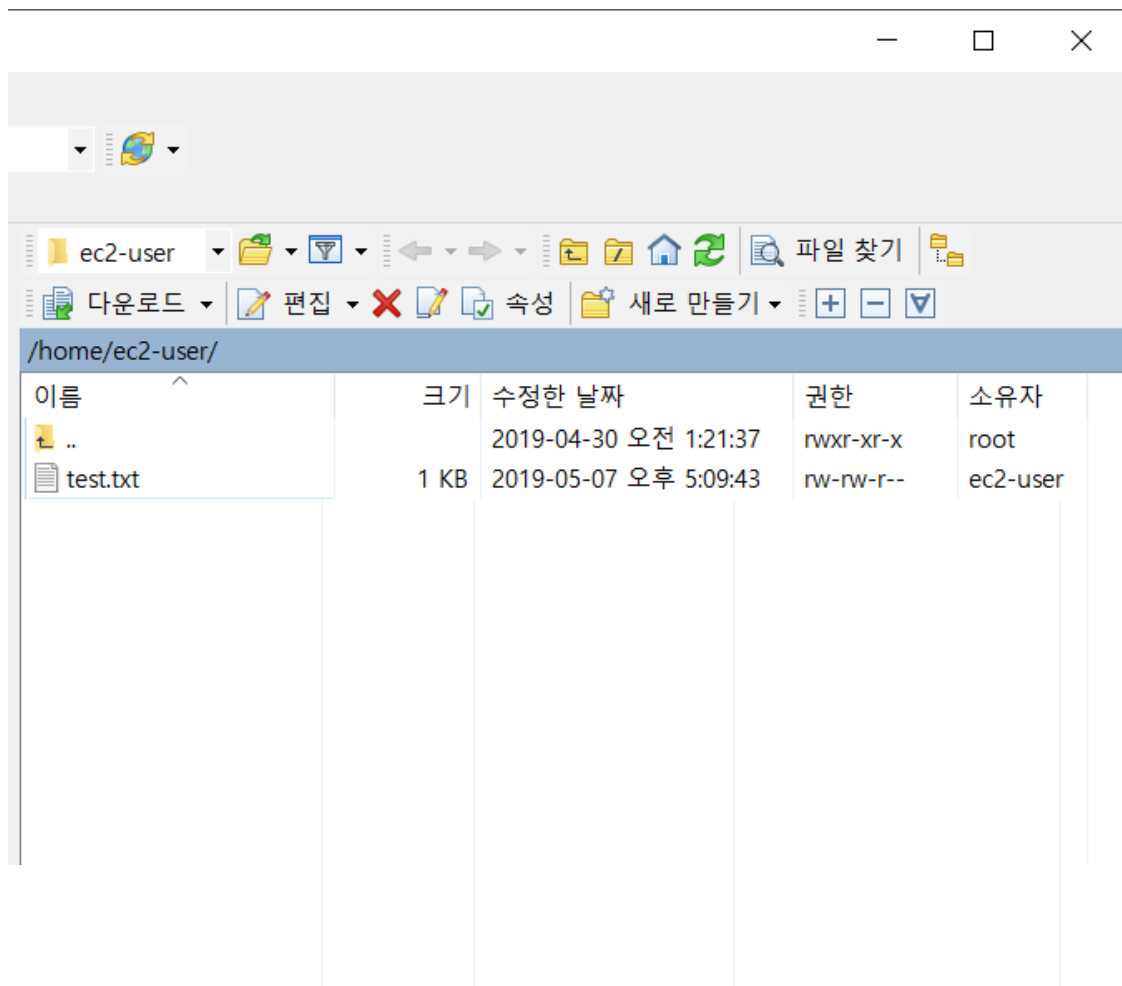
WinSCP를 통한 파일 전송



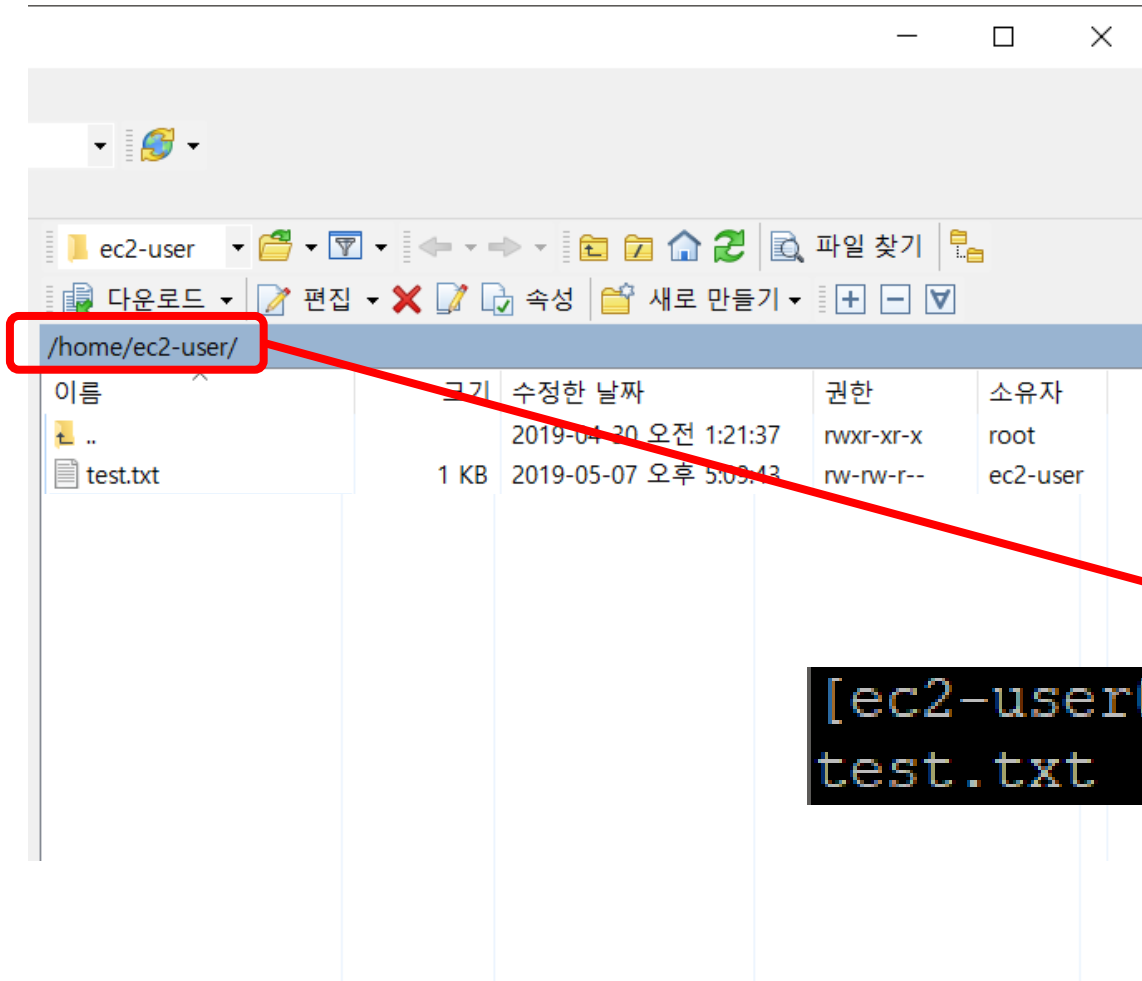
WinSCP를 통한 파일 전송



WinSCP와 Putty



WinSCP와 Putty



```
[ec2-user@ip-172-31-83-7 ~]$ ls  
test.txt
```

요약

- Putty / WinSCP 프로그램 설치
- Puttygen 프로그램으로 개인 키 변환
- Putty로 AWS EC2 서버에 접속
- Winscp로 AWS EC2 서버 접속
- Ec2서버에서 텍스트 파일 다운로드 받기

차시 예고

- 2-2 : vi, nano 에디터로 문서 작성하기
 - Vi 에디터 사용 방법
 - Nano 에디터 사용 방법

강의를 마치겠습니다
수고하셨습니다

2주차_01 AWS EC2 서버 접속