

OS/Linux

Ubuntu - SSH Server 설치 및 접속하기

TechNote.kr 2019. 11. 11. 00:04

Ubuntu machine 와의 연결에 ssh 를 사용하기 위해서는 해당 Ubuntu machine에는 SSH Server가 설치되어
야 하고, 해당 Server에 접속하려는 PC 에서는 SSH Client 설치가 필요하다.

SSH Server의 설치

Ubuntu 에서는 아래와 같이 openssh-server를 설치한다.
(Ubuntu 14/16/18 등 버전에 따라 큰 차이가 없음)

```
$ sudo apt install openssh-server
```

```
user@TechNote:~$ sudo apt install openssh-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ncurses-term openssh-sftp-server ssh-import-id
Suggested packages:
  molly-guard monkeysphere rssh ssh-askpass
The following NEW packages will be installed:
```

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```
ncurses-term openssh-server openssh-sftp-server ssh-import-id
0 upgraded, 4 newly installed, 0 to remove and 199 not upgraded.
Need to get 637 kB of archives.
After this operation, 5,316 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://kr.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ncurses-term all 6.1-1ubuntu1.18.04 [248 kB]
Get:2 http://kr.archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssh-sftp-server a
1:7.6p1-4ubuntu0.3 [45.6 kB]
Get:3 http://kr.archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssh-server amd64
1:7.6p1-4ubuntu0.3 [333 kB]
Get:4 http://kr.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ssh-import-id all 5.7
0ubuntu1.1 [10.9 kB]
Fetched 637 kB in 9s (71.3 kB/s)
Preconfiguring packages ...
Selecting previously unselected package ncurses-term.
(Reading database ... 126276 files and directories currently installed.)
Preparing to unpack .../ncurses-term_6.1-1ubuntu1.18.04_all.deb ...
Unpacking ncurses-term (6.1-1ubuntu1.18.04) ...
Selecting previously unselected package openssh-sftp-server.
Preparing to unpack .../openssh-sftp-server_1%3a7.6p1-4ubuntu0.3_amd64.deb ...
Unpacking openssh-sftp-server (1:7.6p1-4ubuntu0.3) ...
Selecting previously unselected package openssh-server.
Preparing to unpack .../openssh-server_1%3a7.6p1-4ubuntu0.3_amd64.deb ...
Unpacking openssh-server (1:7.6p1-4ubuntu0.3) ...
Selecting previously unselected package ssh-import-id.
Preparing to unpack .../ssh-import-id_5.7-0ubuntu1.1_all.deb ...
Unpacking ssh-import-id (5.7-0ubuntu1.1) ...
Setting up ncurses-term (6.1-1ubuntu1.18.04) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Setting up openssh-sftp-server (1:7.6p1-4ubuntu0.3) ...
Processing triggers for systemd (237-3ubuntu10.24) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Setting up ssh-import-id (5.7-0ubuntu1.1) ...
Setting up openssh-server (1:7.6p1-4ubuntu0.3) ...

Creating config file /etc/ssh/sshd_config with new version
Creating SSH2 RSA key; this may take some time ...
2048 SHA256:LLPMNm1D4SL5HORHoSVdVUnchUaEGZH1Mt9urYDRjE root@TechNote (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:TKhnSTIkWfnbPJp01GATo01CkzTuGKtChbq70MkbuzE root@TechNote (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:vw7ejlSV4KAyM9m4DJ5BJMPFeqhj08o7Do0H1i8wCnA root@TechNote (ED25519)
Created symlink /etc/systemd/system/ssh.service → /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service →
/lib/systemd/system/ssh.service.
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for systemd (237-3ubuntu10.24) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
user@TechNote:~$
```

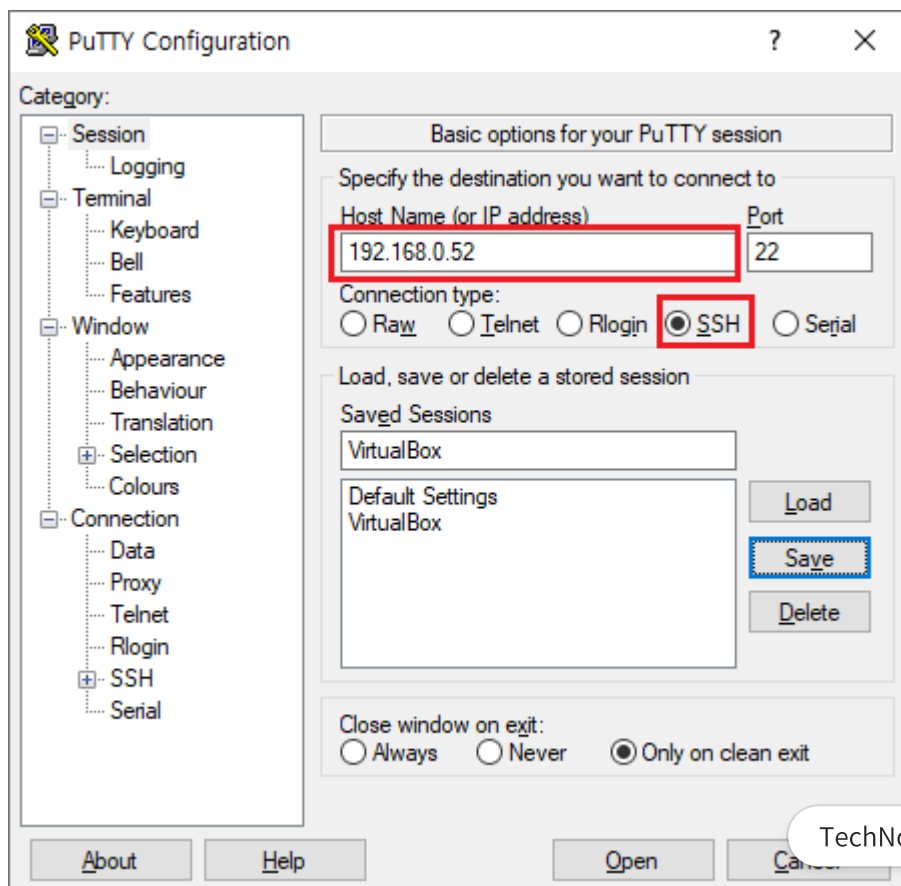
설치 후에는 바로 ssh server가 구동하는데 아래와 같이 22 port 가 LISTEN 상태인지를 확인하면 된다.

```
user@TechNote:~$ netstat -an|grep :22
tcp        0      0 0.0.0.0:22 0.0.0.0:*        LISTEN
tcp6       0      0 :::22    :::*             LISTEN
user@TechNote:~$
```

SSH Client를 이용한 접속

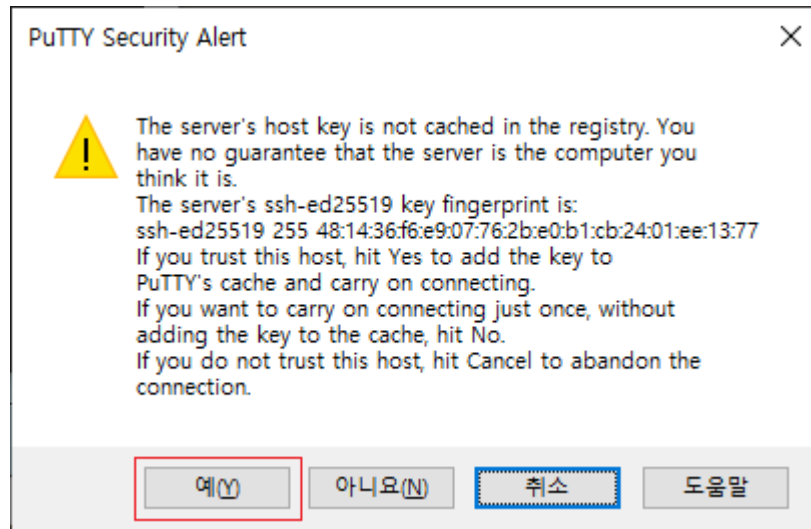
SSH Server에는 Linux 에서도 접속이 가능하고, Windows 에서도 접속이 가능하지만 Windows 를 예로 들어 보면 다음과 같다. 일반적으로 Windows 에서 가장 많이 사용되는 SSH Client program 중 하나인 putty 를 사용한다.

1) putty 를 실행하면 아래와 같이 PuTTY Configuration 화면이 나오고, Host Name 에 접속하고자 하는 SSH Server의 주소를 기입하고 Connection type 을 SSH 로 한 후 Open 버튼을 눌러준다.



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2) 처음 접속하는 SSH Server 의 경우 아래와 같이 PuTTY Security Alert 가 발생하는데 "예(Y)" 버튼을 선택한



3) 이후 아래와 같이 접속이 되고 해당 서버의 terminal 사용이 가능해진다.

```
user@TechNote: ~  
login as: user  
user@192.168.0.52's password:  
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 5.0.0-23-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
* Canonical Livepatch is available for installation.  
- Reduce system reboots and improve kernel security. Activate at:  
  https://ubuntu.com/livepatch  
  
204 packages can be updated.  
112 updates are security updates.  
  
Your Hardware Enablement Stack (HWE) is supported until April 2023.  
Last login: Sun Nov 10 23:45:18 2019 from 127.0.0.1  
user@TechNote:~$
```



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구독하기

Tag

putty

server

SSH

ubuntu

'OS/Linux'의 다른글

이전글 주기억장치에 대한 이해

현재글 : Ubuntu - SSH Server 설치 및 접속하기

다음글 Ubuntu - repository(저장소) 변경하기

관련글

Ubuntu - repository(저장소) 변경하기

2019.11.11

하위 DNS 추가 및 Apache 가상 호스트
생성

2019.03.18

screen, 자유롭고 안정적인 Linux
session의 사용

2017

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댓글 0

이름

비밀번호

내용을 입력해주세요.

☐ 비밀글

< 1 ... 43 44 45 46 47 48 49 50 51 ... 342 >

TechNote.

Android

Language

C

R

Java

Python

Kotlin

HTML

Javascript

nvd3.js

Node.js

OS

Windows

Linux

Mac

OpenWRT, LEDE

Network

Wi-Fi

Products & Services

Django

AmazonWebService (AWS)

VirtualBox

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2021. 7. 7.

Ubuntu - SSH Server 설치 및 접속하기

AdSense

WordPress

Tistory

VS Code

Docker

Database

Application

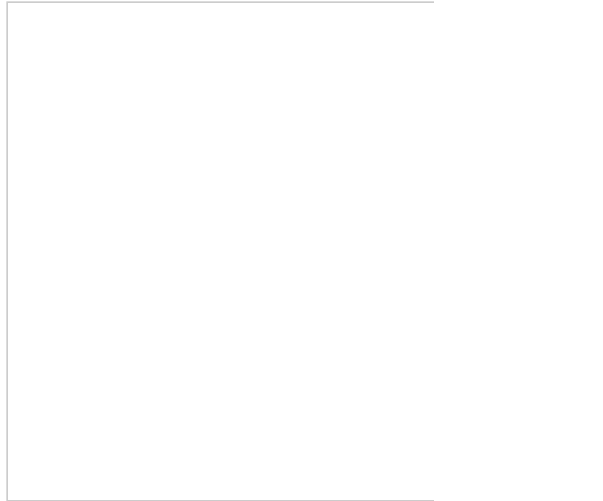
KidsTube

Notepad++

Computer architecture

Software architecture

ETC



최근글 인기글

Python - pipenv 설정 및 사용

2021.06.27 22:02

[VSCODE] Project 관리 (Project Manager Extension)

2021.06.26 23:42

[Windows 11] 지원 사양 및 설치 가능 여부 확인

2021.06.26 22:50

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검색내용을 입력하세요.

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