

23.12.13[ubuntu/java환경변수]

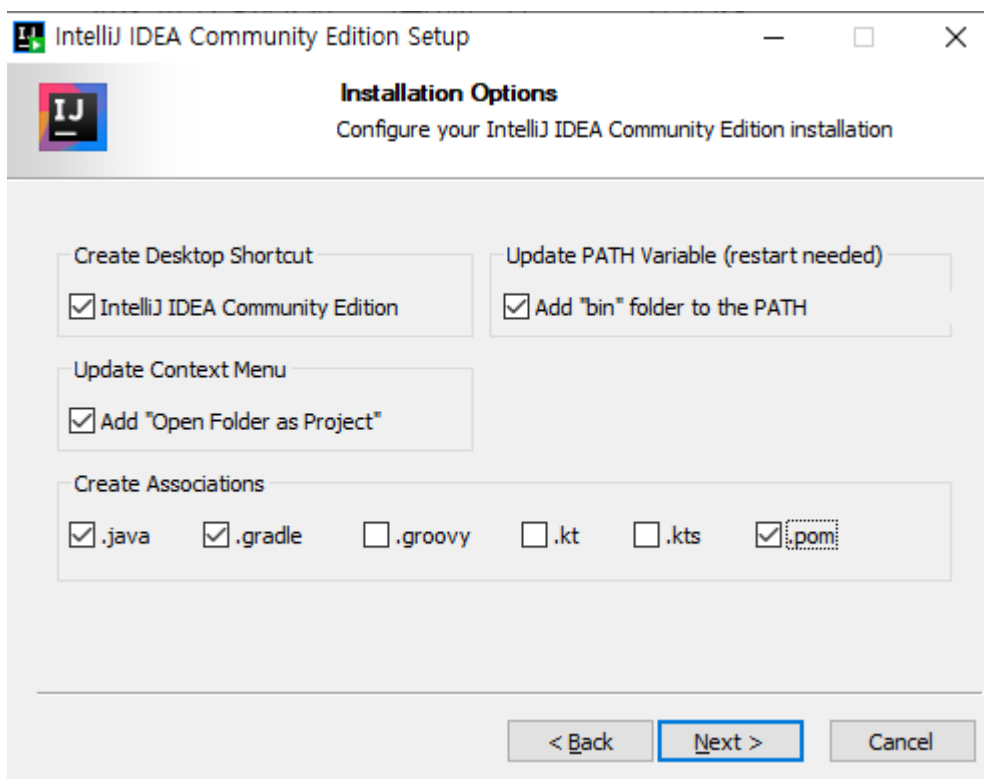
🕒 작성 일시	@2023년 12월 13일 오전 9:47
☰ 태그	

apapach

filezilla

intelliJ → jsp 사용 불가능

-intelliJ 설치



- ubuntu 디렉토리 구조


```
# /etc/ufw/ufw.conf
#

# Set to yes to start on boot. If setti
# to allow your remote connection befor
ENABLED=no yes 로 변경시 방화벽 전체 허용
#
# Please use the 'ufw' command to set t
# See 'man ufw' for details.
LOGLEVEL=low
```

sudo apt-get install apache2

sudo apt-get install net-tools

netstat -ntlp

```
ubuntu@ip-172-31-34-45:~$ netstat -ntlp
(Not all processes could be identified, non-owned process info
 will not be shown, you would have to be root to see it all.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:3306            0.0.0.0:*               LISTEN      -
tcp        0      0 127.0.0.1:53:53         0.0.0.0:*               LISTEN      -
tcp6       0      0 :::80                  :::*                    LISTEN      -
tcp6       0      0 :::22                  :::*                    LISTEN      -
```

운영 프로그램 운용시

sudo service apache2 status

또는

sudo systemctl status apache2

아파치2 상태

```

ubuntu@ip-172-31-34-45:~$ sudo service apache2 status^C
ubuntu@ip-172-31-34-45:~$ ^C
ubuntu@ip-172-31-34-45:~$ sudo systemctl start apache2
ubuntu@ip-172-31-34-45:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2023-12-13 11:59:16 KST; 7s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 12672 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 12676 (apache2)
    Tasks: 55 (limit: 1126)
   Memory: 4.7M
   CGroup: /system.slice/apache2.service
           └─12676 /usr/sbin/apache2 -k start
             └─12677 /usr/sbin/apache2 -k start
               └─12678 /usr/sbin/apache2 -k start

Dec 13 11:59:16 ip-172-31-34-45 systemd[1]: Starting The Apache HTTP Server...
Dec 13 11:59:16 ip-172-31-34-45 systemd[1]: Started The Apache HTTP Server.

```

탄력적 ip (아파치2 서버)



Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/  
|-- apache2.conf  
/    |-- ports.conf  
|-- mods-enabled  
/    |-- *.load  
/    |-- *.conf  
|-- conf-enabled  
/    |-- *.conf  
|-- sites-enabled  
/    |-- *.conf
```

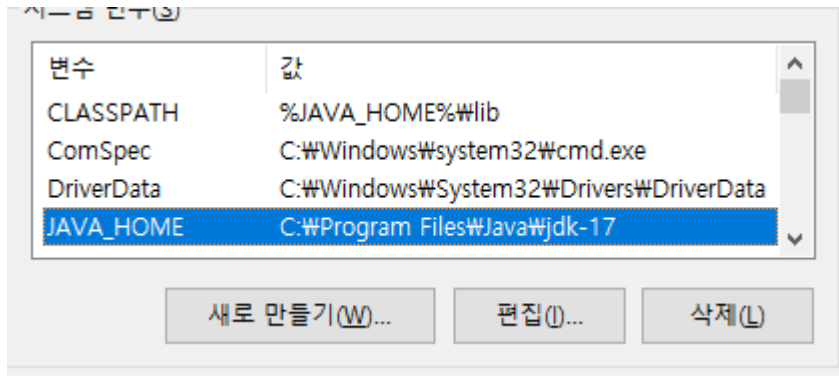
- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2`. Due to the use of environment variables, in the default configuration, `apache2` needs to be started/stopped with `/etc/init.d/apache2` or `apache2ctl`. **Calling `/usr/bin/apache2` directly will not work** with the default configuration.

ubuntu - index.html 위치

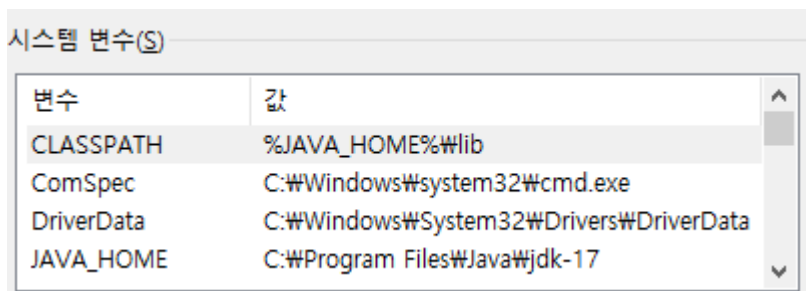
```
ubuntu@ip-172-31-34-45:/var/www/html$ sudo vi index.html
```

JAVA 17 버전 설치 및 환경 변수 설정

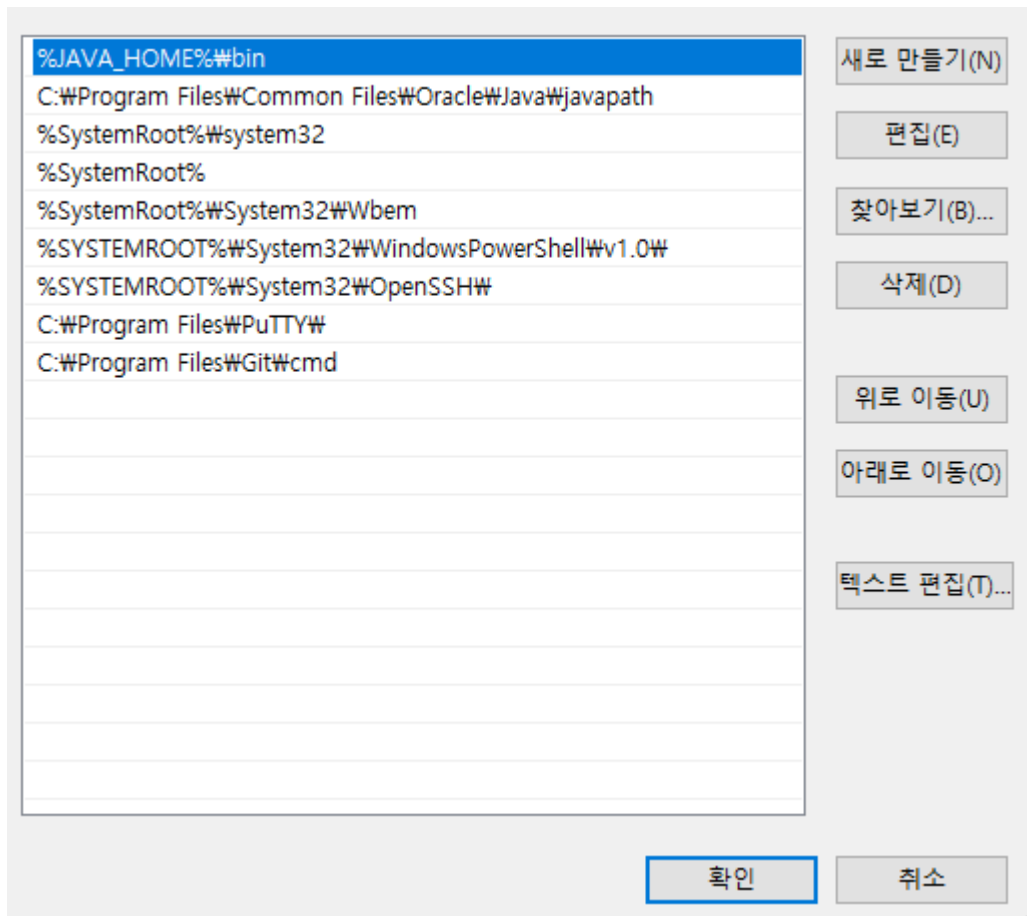
1. JAVA_HOME 생성



2. CLASSPATH 생성



3. PATH 에 %JAVA_HOME%\bin 생성 후 최상위 이동



cmd 자바 버전 확인(javac 자바 컴파일)

```
C:\Users\WCEB>java -version
java version "17.0.9" 2023-10-17 LTS
Java(TM) SE Runtime Environment (build 17.0.9+11-LTS-201)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.9+11-LTS-201, mixed mode, sharing)

C:\Users\WCEB>javac -version
javac 17.0.9
```

11jdk 설치

```

Command '-java' not found, did you mean:

command 'java' from deb openjdk-11-jre-headless (11.0.20.1+1-0ubuntu1~20.04)
command 'java' from deb default-jre (2:1.11-72)
command 'java' from deb openjdk-13-jre-headless (13.0.7+5-0ubuntu1~20.04)
command 'java' from deb openjdk-16-jre-headless (16.0.1+9-1~20.04)
command 'java' from deb openjdk-17-jre-headless (17.0.8.1+1~us1-0ubuntu1~20.04)
command 'java' from deb openjdk-8-jre-headless (8u382-ga-1~20.04.1)

Try: sudo apt install <deb name>

ubuntu@ip-172-31-34-45:~$ sudo apt-get install openjdk-11-jdk

```

UBUNTU 환경 변수 설정

sudo vi /etc/profile

```

ubuntu@ip-172-31-34-45:/usr/lib/jvm$ sudo vi /etc/profile
# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
# and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).

if [ "${PS1-}" ]; then
  if [ "${BASH-}" ] && [ "$BASH" != "/bin/sh" ]; then
    # The file bash.bashrc already sets the default PS1.
    # PS1='\h:\w\$ '
    if [ -f /etc/bash.bashrc ]; then
      . /etc/bash.bashrc
    fi
  else
    if [ "`id -u`" -eq 0 ]; then
      PS1='# '
    else
      PS1='$ '
    fi
  fi
fi

if [ -d /etc/profile.d ]; then
  for i in /etc/profile.d/*.sh; do
    if [ -r $i ]; then
      . $i
    fi
  done
  unset i
fi

```

최하단에 변수 설정

```

fi
export JAVA_HOME=/user/lib/jvm/java-11-openjdk-amd64
export PATH=$JAVA_HOME/bin/:$PATH
export CLASS_PATH=$JAVA_HOME/lib/:$CLASS_PATH
~

```



```
export JAVA_HOME= /user/lib/jvm/java-11-openjdk-amd64
export PATH=$JAVA_HOME$/bin/:$PATH
export CLASS_PATH=$JAVA_HOME$/lib/:$CLASS_PATH
```

변경된 파일 UBUNTU 적용

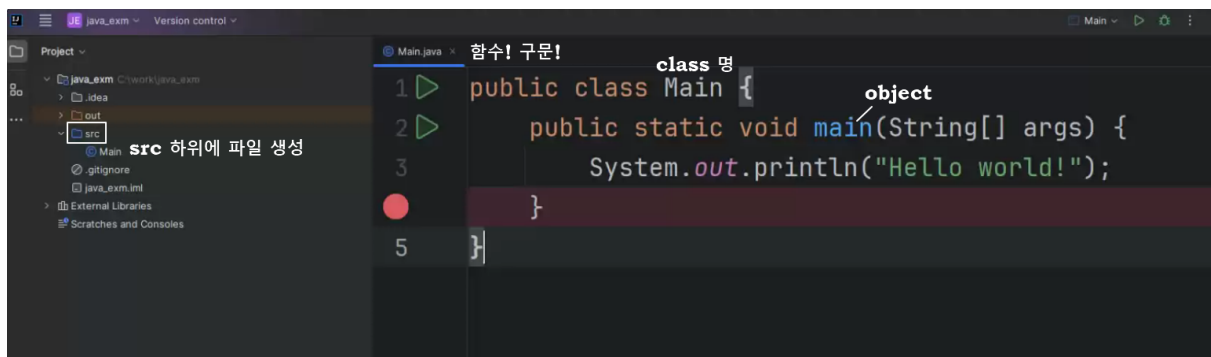
source /etc/profile

UBUNTU 리부트

sudo reboot now

리부트 시간이 잠시 소요 된다.

java



LMS 회원관리 상담