AWS EC2 로그인

login as: centos
Authenticating with public key "imported-openssh-key"
Passphrase for key "imported-openssh-key": 암호입력

[centos@JSPDBServer ~]$
[centos@JSPDBServer ~]$ sudo su
[root@JSPDBServer centos]#

Oracle JDK8 설치

[root@JSPDBServer centos]# yum localinstall -y jdk-8u181-linux-x64.rpm
Loaded plugins: fastestmirror, presto
Setting up Local Package Process
Examining jdk-8u181-linux-x64.rpm: 2000:jdk1.8-1.8.0_181-fcs.x86_64
Marking jdk-8u181-linux-x64.rpm to be installed
base | 3.7 kB   00:00
base/primary_db | 4.7 MB   00:00
extras | 3.4 kB   00:00
extras/primary_db | 25 kB   00:00
updates | 3.4 kB   00:00
updates/primary_db | 1.2 MB   00:00
Resolving Dependencies
--> Running transaction check
---> Package jdk1.8.x86_64 2000:1.8.0_181-fcs will be installed
--> Finished Dependency Resolution

Dependencies Resolved
==
 Package   Arch   Version   Repository   Size
==
Installing:
 jdk1.8   x86_64   2000:1.8.0_181-fcs   /jdk-8u181-linux-x64   274 M

Transaction Summary
==
Install   1 Package(s)

Total size: 274 M
Installed size: 274 M
Downloading Packages:

```
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing : 2000:jdk1.8-1.8.0_181-fcs.x86_64                     1/1
Unpacking JAR files...
        tools.jar...
        plugin.jar...
        javaws.jar...
        deploy.jar...
        rt.jar...
        jsse.jar...
        charsets.jar...
        localedata.jar...
  Verifying  : 2000:jdk1.8-1.8.0_181-fcs.x86_64                     1/1

Installed:
  jdk1.8.x86_64 2000:1.8.0_181-fcs

Complete!
[root@JSPDBServer centos]#


[root@JSPDBServer centos]# java -version
java version "1.8.0_181"
Java(TM) SE Runtime Environment (build 1.8.0_181-b13)
Java HotSpot(TM) 64-Bit Server VM (build 25.181-b13, mixed mode)

[root@JSPDBServer centos]# whereis java
java: /usr/bin/java /usr/share/man/man1/java.1

root@JSPDBServer centos]# ls -l /usr/bin/java
lrwxrwxrwx. 1 root root 22  /usr/bin/java -> /etc/alternatives/java

[root@JSPDBServer centos]# ls -l /etc/alternatives/java
lrwxrwxrwx. 1 root root 41 /etc/alternatives/java ->
                                /usr/java/jdk1.8.0_181-amd64/jre/bin/java

[root@JSPDBServer centos]# ls -l /usr/java/jdk1.8.0_181-amd64/jre/bin/java
-rwxr-xr-x. 1 root root 8534    /usr/java/jdk1.8.0_181-amd64/jre/bin/java
```

apache tomcat 8.5 압축 해제 및 설치

```
[root@JSPDBServer centos]# tar -zxf apache-tomcat-8.5.33.tar.gz

[root@JSPDBServer centos]# ls
apache-tomcat-8.5.33   apache-tomcat-8.5.33.tar.gz   jdk-8u181-linux-x64.rpm

[root@JSPDBServer centos]#
[root@JSPDBServer centos]# mv apache-tomcat-8.5.33 /usr/share/

[root@JSPDBServer centos]#
[root@JSPDBServer centos]# cd /usr/share/

[root@JSPDBServer share]#
[root@JSPDBServer share]# mv apache-tomcat-8.5.33/ tomcat-8.5.33
[root@JSPDBServer share]#

[root@JSPDBServer share]# ln -s tomcat-8.5.33/ tomcat
[root@JSPDBServer share]#
```

JDK8, Tomcat 환경변수 설정

```
[root@JSPDBServer share]# vi /etc/profile
```
맨 마지막 행 아래에 다음 추가

```
export JAVA_HOME=/usr/java/jdk1.8.0_181-amd64
export CATALINA_HOME=/usr/share/tomcat

CLASSPATH=.:$JAVA_HOME/jre/lib/ext:$JAVA_HOME/lib/tools.jar
CLASSPATH=$CLASSPATH:$CATALINA_HOME/lib/jsp-api.jar
export CLASSPATH=$CLASSPATH:$CATALINA_HOME/lib/servlet-api.jar

export PATH=$PATH:$JAVA_HOME/bin:$CATALINA_HOME/bin
```

환경설정 적용 및 톰캣 서버 시작

```
[root@JSPDBServer share]# source /etc/profile
[root@JSPDBServer share]#
[root@JSPDBServer share]# startup.sh
Using CATALINA_BASE:    /usr/share/tomcat
Using CATALINA_HOME:    /usr/share/tomcat
```

Using CATALINA_TMPDIR: /usr/share/tomcat/temp
Using JRE_HOME: /usr/java/jdk1.8.0_181-amd64
Using CLASSPATH:
        /usr/share/tomcat/bin/bootstrap.jar:/usr/share/tomcat/bin/tomcat-juli.jar
Tomcat started.

톰캣 서버 접속용 방화벽 설정

[root@JSPDBServer share]# vi /etc/firewalld/zones/public.xml
<?xml version="1.0" encoding="utf-8"?>
<zone>
  <short>Public</short>
  <description>For use in public areas. You do not trust the other computers on networks to not harm your computer. Only selected incoming connections are accepted.</description>
  <service name="ssh"/>
  <service name="dhcpv6-client"/>
  <port protocol="tcp" port="3306"/>
  <port protocol="tcp" port="1521"/>
  <port protocol="tcp" port="8080"/>
</zone>

[root@JSPDBServer share]# firewall-cmd --reload
success
[root@JSPDBServer share]#

[root@JSPDBServer share]# netstat -ntl
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address   Foreign Address   State
tcp   0   0 0.0.0.0:22   0.0.0.0:*   LISTEN
tcp   0   0 127.0.0.1:25   0.0.0.0:*   LISTEN
tcp   0   0 ::ffff:127.0.0.1:8005   :::*   LISTEN
tcp   0   0 :::8009   :::*   LISTEN
tcp   0   0 :::8080   :::*   LISTEN
tcp   0   0 :::22   :::*   LISTEN

톰캣 서버에 JSP 웹 배포파일 업로드

```
[root@JSPDBServer share]# cp /home/centos/HelloH5C3J5.war tomcat/webapps
[root@JSPDBServer share]#
[root@JSPDBServer share]# cp /home/centos/HelloJSP.war tomcat/webapps
[root@JSPDBServer share]#
```