

## 2020 설치 실습

### 이 실습의 핵심

- 가급적 32 비트로 통일
- (mvn 오작동으로)몇몇 jar 직접 설치
- 참고 문서: [오즈파킹 소스 코드 설치 가이드](#)  
(\*\* 모든 것은 32 비트 버전으로 설치한다 \*\*)

### 단계1. JDK 설치 (u231은 오작동 버전임)

(이 JDK 버전은 오류를 유발합니다. **단계 8에서 제시한 u221**을 사용하세요.)

Java SE Development Kit 8u231		
You must accept the <a href="#">Oracle Technology Network License Agreement for Oracle Java SE</a> to download this software.		
<input checked="" type="radio"/> Accept License Agreement <input type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	72.9 MB	<a href="#">jdk-8u231-linux-arm32-vfp-hflt.tar.gz</a>
Linux ARM 64 Hard Float ABI	69.8 MB	<a href="#">jdk-8u231-linux-arm64-vfp-hflt.tar.gz</a>
Linux x86	170.93 MB	<a href="#">jdk-8u231-linux-i586.rpm</a>
Linux x86	185.75 MB	<a href="#">jdk-8u231-linux-i586.tar.gz</a>
Linux x64	170.32 MB	<a href="#">jdk-8u231-linux-x64.rpm</a>
Linux x64	185.16 MB	<a href="#">jdk-8u231-linux-x64.tar.gz</a>
Mac OS X x64	253.4 MB	<a href="#">jdk-8u231-macosx-x64.dmg</a>
Solaris SPARC 64-bit (SVR4 package)	132.98 MB	<a href="#">jdk-8u231-solaris-sparcv9.tar.Z</a>
Solaris SPARC 64-bit	94.16 MB	<a href="#">jdk-8u231-solaris-sparcv9.tar.gz</a>
Solaris x64 (SVR4 package)	133.73 MB	<a href="#">jdk-8u231-solaris-x64.tar.Z</a>
Solaris x64	91.96 MB	<a href="#">jdk-8u231-solaris-x64.tar.gz</a>
Windows x86	200.22 MB	<a href="#">jdk-8u231-windows-i586.exe</a>
Windows x64	210.18 MB	<a href="#">jdk-8u231-windows-x64.exe</a>

- 설치 위치: D:\sw\osp\jdk8, D:\sw\osp\jre8

### 단계2. JDK 환경 설정

- JDK\_HOME
- JRE\_HOME
- PATH: %PATH%;%JDK\_HOME%\bin

### 단계3. NetBeans 설치

- 다운로드 페이지: <https://netbeans.org/downloads/8.2/>
- 선택 버전:

**NetBeans IDE 8.2 Download** 8.1 | 8.2 | Development | Archive

Email address (optional):

Subscribe to newsletters: ☒ Monthly ☐ Weekly

☒ NetBeans can contact me at this address

IDE Language: English Platform: Windows

Note: Greyed out technologies are not supported for this platform.

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**NetBeans IDE Download Bundles**

Supported technologies *	Java SE	Java EE	HTML5/JavaScript	PHP	C/C++	All
NetBeans Platform SDK	•	•				•
Java SE	•	•				•
Java FX	•	•				•
Java EE		•				•
Java ME						•
HTML5/JavaScript		•	•	•		•
PHP			•	•		•
C/C++					•	•
Groovy						•
Java Card™ 3 Connected						•
Bundled servers						
GlassFish Server Open Source Edition 4.1.1		•				•
Apache Tomcat 8.0.27		•				•

Free, 95 MB   Free, 197 MB   Free, 108 - 112 MB   Free, 108 - 112 MB   Free, 107 - 110 MB   Free, 221 MB

### 단계4. 오즈파크 소스 내려받기

osparking / OsParking\_src

Unwatch 1   Unstar 3   Fork 1


Security   Insights   Settings

new file   Upload files   Find file   **Clone or download**

Clone with SSH ⓘ   Use HTTPS

You don't have any public SSH keys in your GitHub account. You can [add a new public key](#), or try cloning this repository via HTTPS.

Use a password protected SSH key.

git@github.com:osparking/OsParking\_src.g 

Open in Desktop   Download ZIP

3 years ago

- (계속)

- git clone 으로 소스 동기화 발판 마련

```
osparking@JB-DESKTOP MINGW64 /osp
$ git clone git@github.com:osparking/OsParking_src.git
Cloning into 'OsParking_src'...
The authenticity of host 'github.com (52.78.231.108)' can't be established.
RSA key fingerprint is
SHA256:nThbg6kXUpJWGI7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
// 여기서 클론 실패 문제 원인 및 해결책 아래
```

참고 페이지 : [Permission Denied \(publickey\)](#)

```
osparking@JB-DESKTOP MINGW64 ~/.ssh
$ ssh-keygen -t rsa -C "jbpark03@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/osparking/.ssh/id_rsa):
/osp/github_keys/jbpark03
Enter passphrase (empty for no passphrase): <그냥 엔터>
Enter same passphrase again: <그냥 엔터>
Your identification has been saved in /osp/github_keys/jbpark03.
Your public key has been saved in /osp/github_keys/jbpark03.pub.
The key fingerprint is:
SHA256:AH6JuHe9TJ64yy1LWdA18JV8WH4iUhtGJKL0DBDov44
jbpark03@gmail.com
The key's randomart image is:
+---[RSA 3072]-----+
| ..o=*.+oB+. |
```

```
osparking@JB-DESKTOP MINGW64 /osp/github_keys
$ ll
total 5
-rw-r--r-- 1 osparking 197121 2602 1월 2 10:58 jbpark03
-rw-r--r-- 1 osparking 197121 572 1월 2 10:58 jbpark03.pub
```

위 참고 페이지에 명시된 바와 같이 \*.pub 의 내용을 github 계정에 새 SSH 키로 등록한다.

Personal settings
Profile
Account
Security
Security log
Emails
Notifications
Billing
SSH and GPG keys
Blocked users
Repositories

## SSH keys

This is a list of SSH keys associated with your account that you do not recognize.

github\_keys  
b3:00:23:d4:41  
Added on 2 Jan  
Never used —

Delete

Check out our guide to generate SSH keys.

## GPG keys

There are no GPG keys associated with your account.

Learn how to generate a GPG key.

위 절차 작동하지 않았음. 따라서 다음 절차를 따름.  
github desktop 을 설치하고 거기서 클론하는 것임.

\*\*\* [Cloning a repository from GitHub to GitHub Desktop](#) \*\*\*

데스크탑 git 내려받기: <https://desktop.github.com/>

위 절차 실행 후 데스크탑에 클론된 모습 :

```

osparking@JB-DESKTOP MINGW64 /d/osp/OsParking_src (master)
$

```

#### 단계5. OpenCV 설치

- 설치 실행 파일(\*.exe) 내려받기 :
  - <https://sourceforge.net/projects/opencvlibrary/files/opencv-win/>

#### 단계6. osparking 컴파일 시도

- 오류: import org.jopendocument.dom.OOUtils;
  - org 아래 빨간줄: package org.jopendocument.dom does not exist
- mvnrepo 에서 해당 jar 내려받음
  - jOpenDocument-1.3.jar
  - 다음 배치 파일 만들어서 직접 설치.

```

mvn install:install-file -Dfile=jOpenDocument-1.3.jar -DgroupId=org.jopendocument
-DartifactId=jOpenDocument -Dversion=1.3 -Dpackaging=jar

```

#### 단계7. package gnu.io does not exist 문제 해결

<pre>&lt;!-- https://mvnrepository.com/artifact/gnu.io/rxtx --&gt; &lt;dependency&gt;   &lt;groupId&gt;gnu.io&lt;/groupId&gt;   &lt;artifactId&gt;rxtx&lt;/artifactId&gt;   &lt;version&gt;2.1.7&lt;/version&gt; &lt;/dependency&gt;</pre>
<pre>mvn install:install-file -Dfile=rxtx-2.1.7.jar -DgroupId=gnu.io -DartifactId=rxtx -Dversion=2.1.7 -Dpackaging=jar</pre>
<pre>rxtx-2.1.7.jar from <a href="http://www.java2s.com/Code/Jar/r/Downloadrxtx217jar.htm">http://www.java2s.com/Code/Jar/r/Downloadrxtx217jar.htm</a></pre>

#### 단계 8. build 오류 처리

[Cannot run program "cmd" "Malformed argument has embedded quote"](#)

위 문제 해결의 해법에서 jdk8u231 이 문제라고 221을 찾아 설치하기로 함.
다운로드: <a href="https://www.oracle.com/java/technologies/jdk8-downloads.html">https://www.oracle.com/java/technologies/jdk8-downloads.html</a>
jdk-8u221-windows-i586.exe
jdk, jre 설치 후, 단계 2의 JDK 관련 설정 실행
Global, Attendant 등 build <b>성공!!!</b>