

WAAS



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D509

054-478-7810

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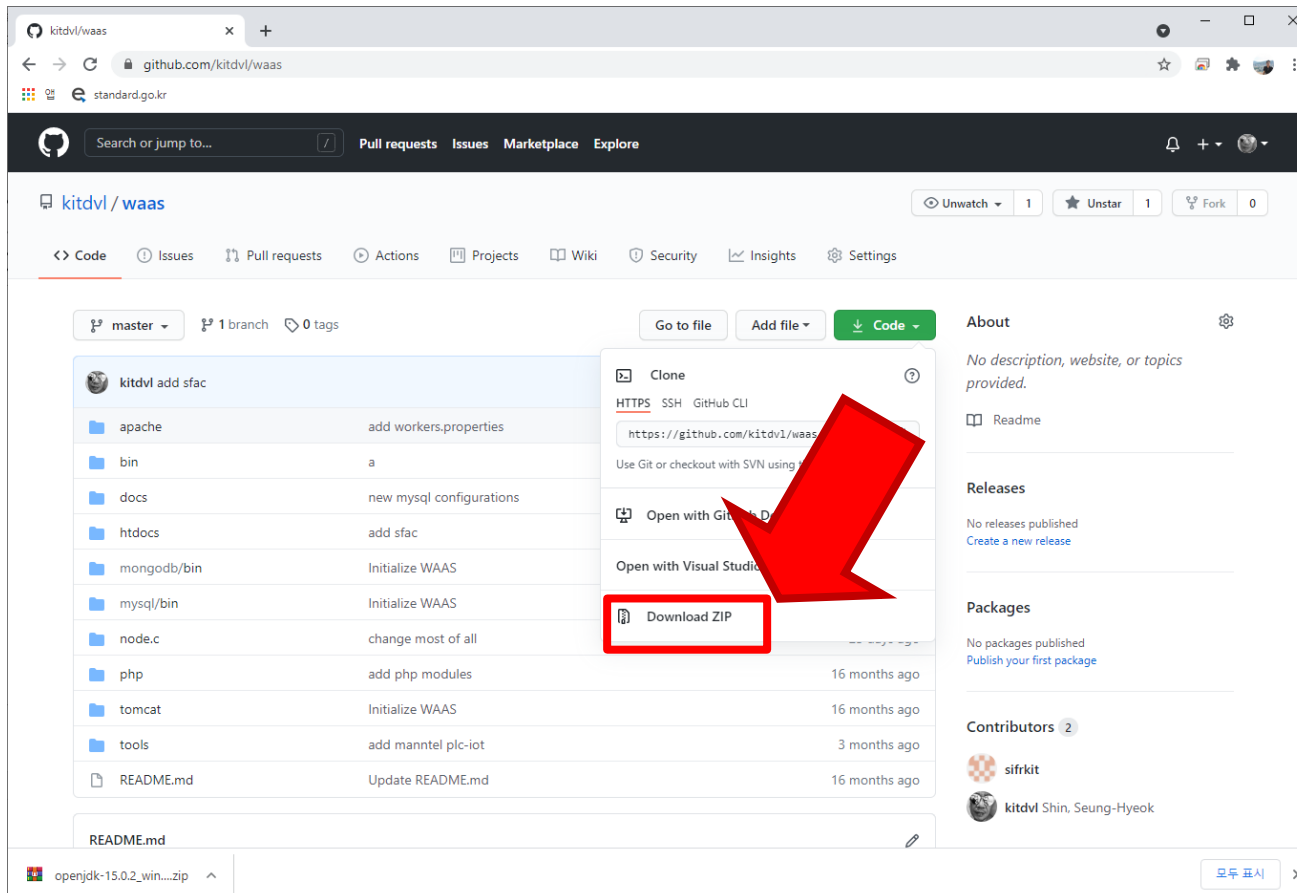
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Install Step

1. Download WAAS from <http://github.com/kitdvl/waas>
2. Install OpenJDK
3. Configure the waas.bat
4. Run the command "waas.bat config"
5. Run the command "waas.bat start"

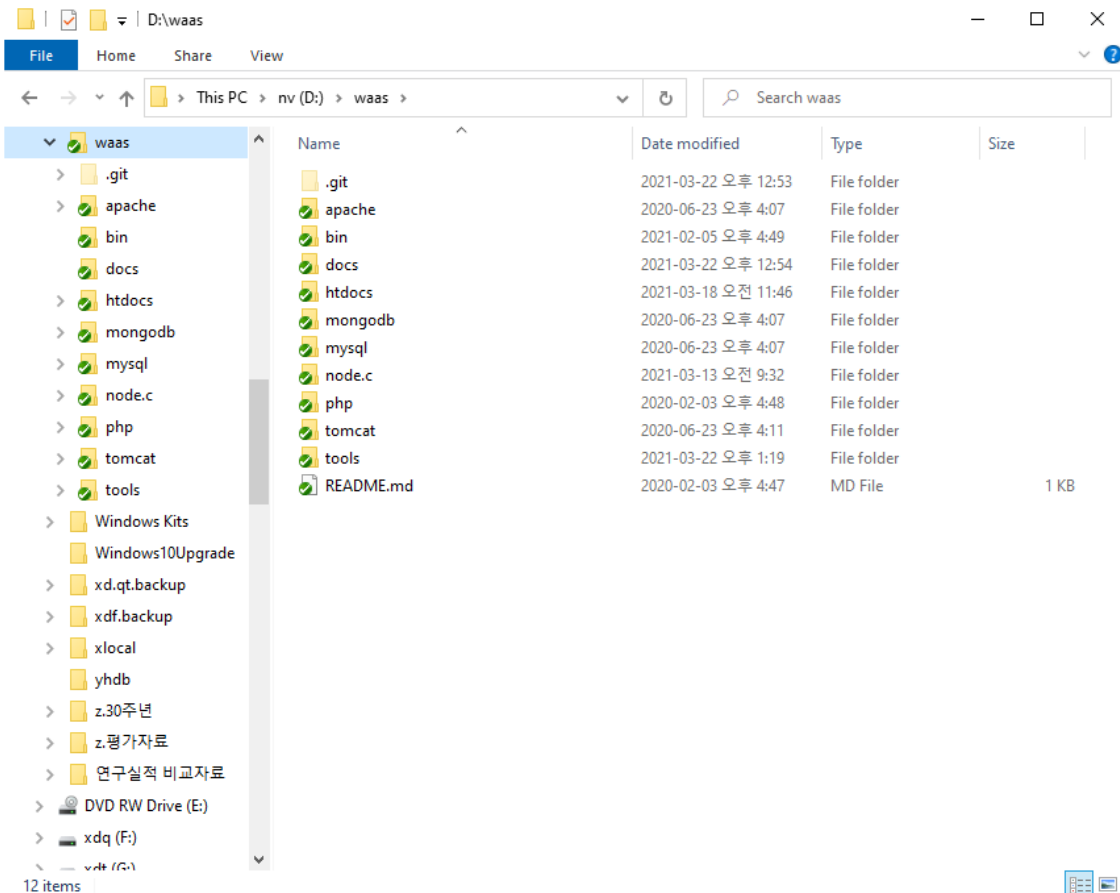
1. Download WAAS

from <http://github.com/kitdvl/waas>



1. Download WAAS

extract to anywhere



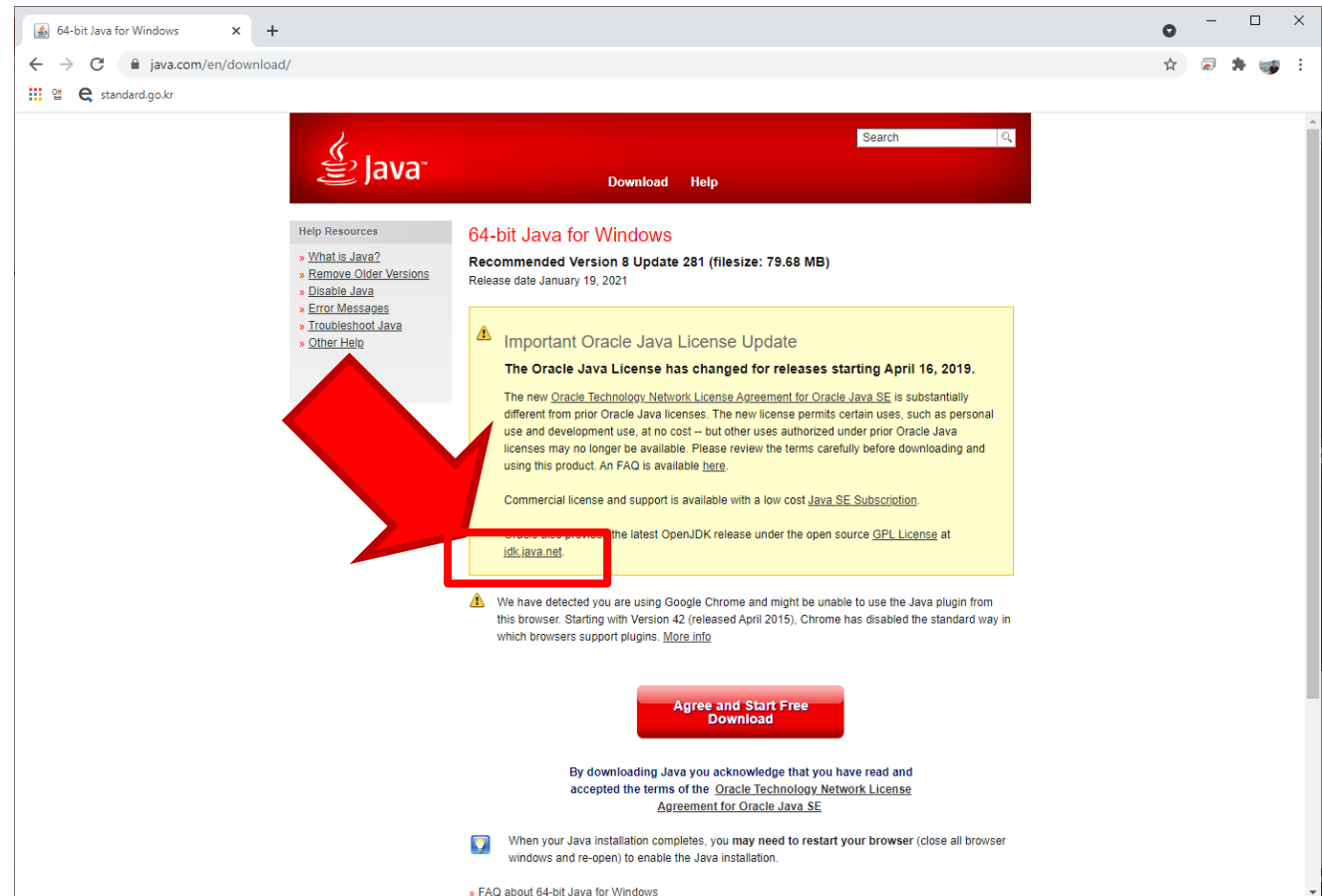
2. Install OpenJDK

download openjdk



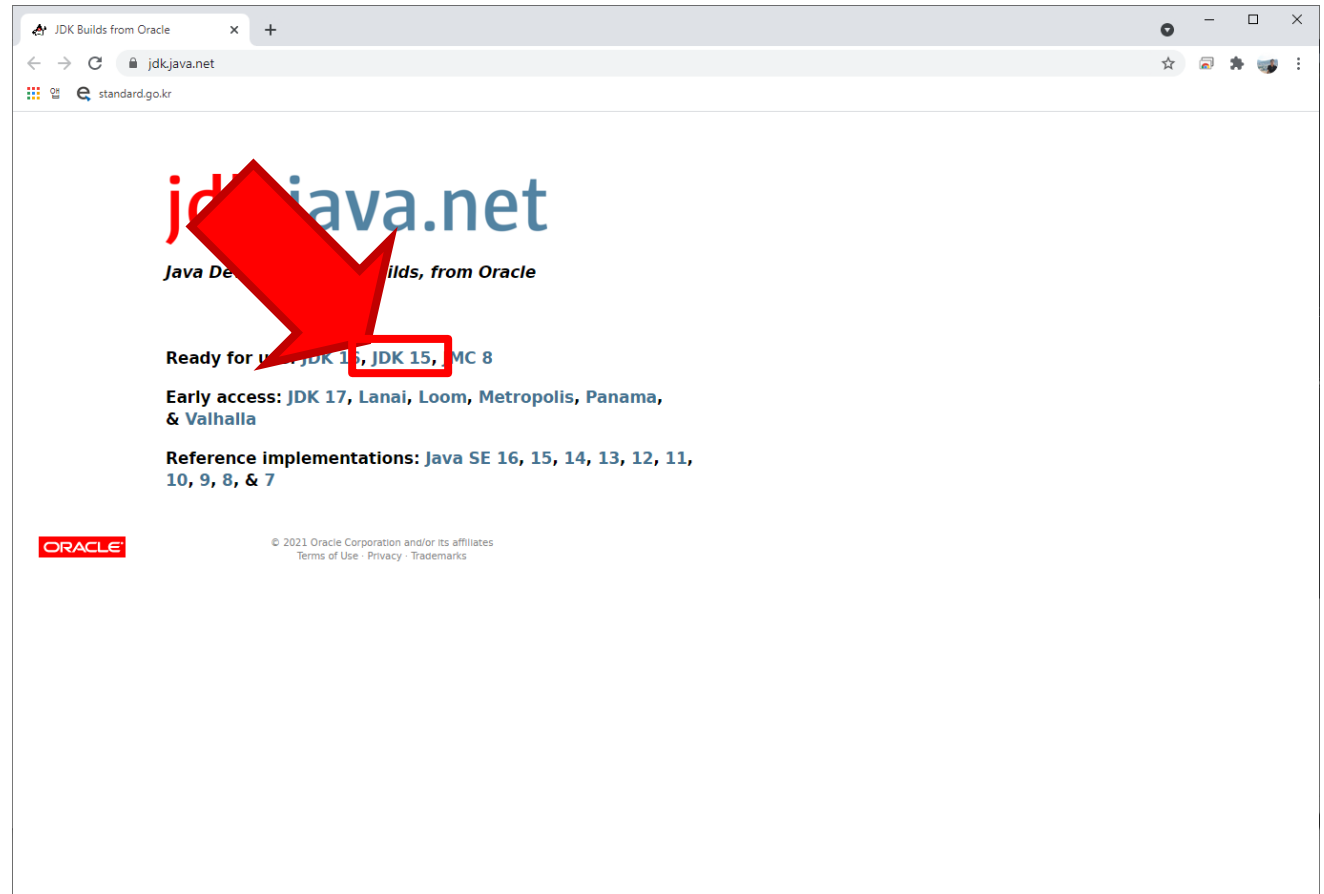
2. Install OpenJDK

download openjdk



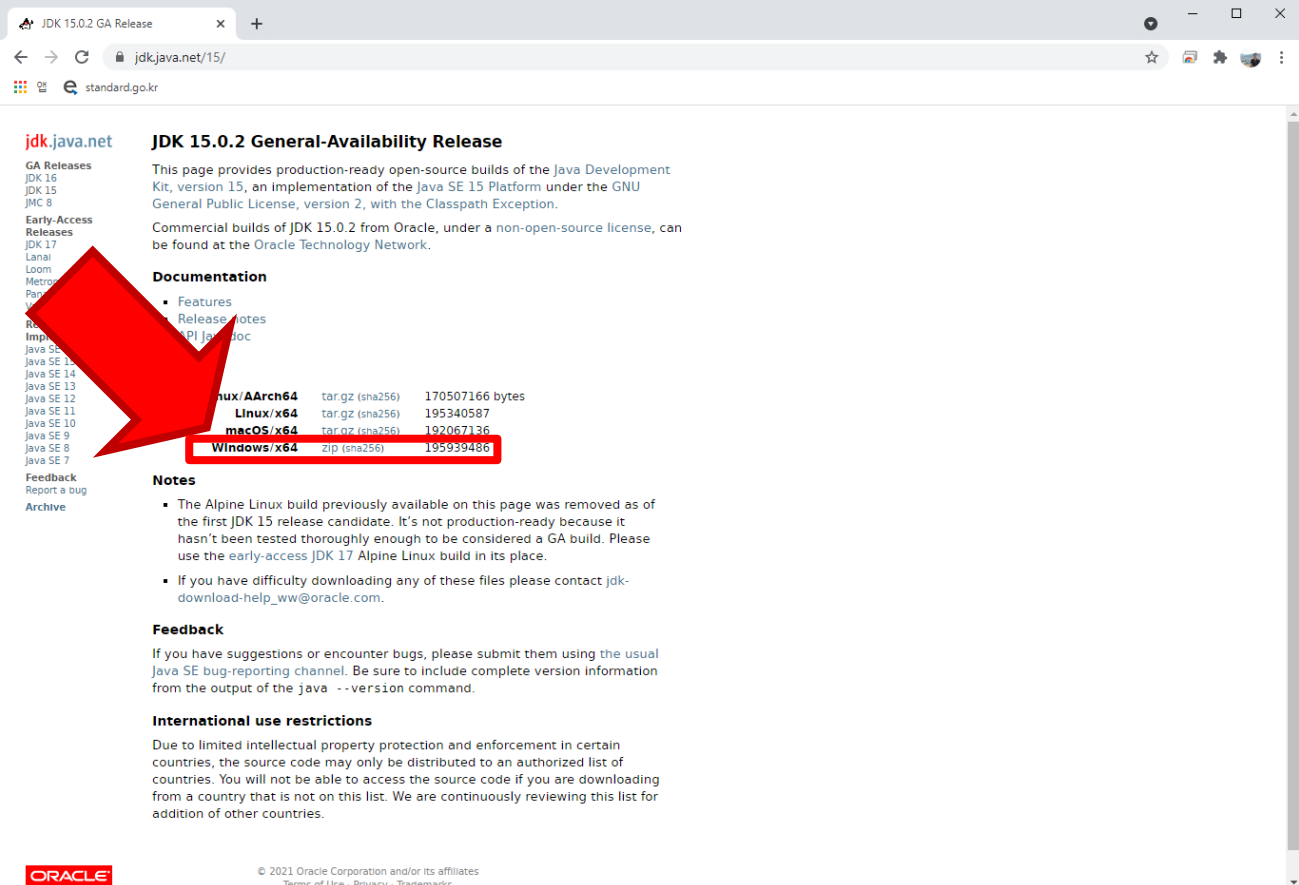
2. Install OpenJDK

download openjdk



2. Install OpenJDK

download openjdk

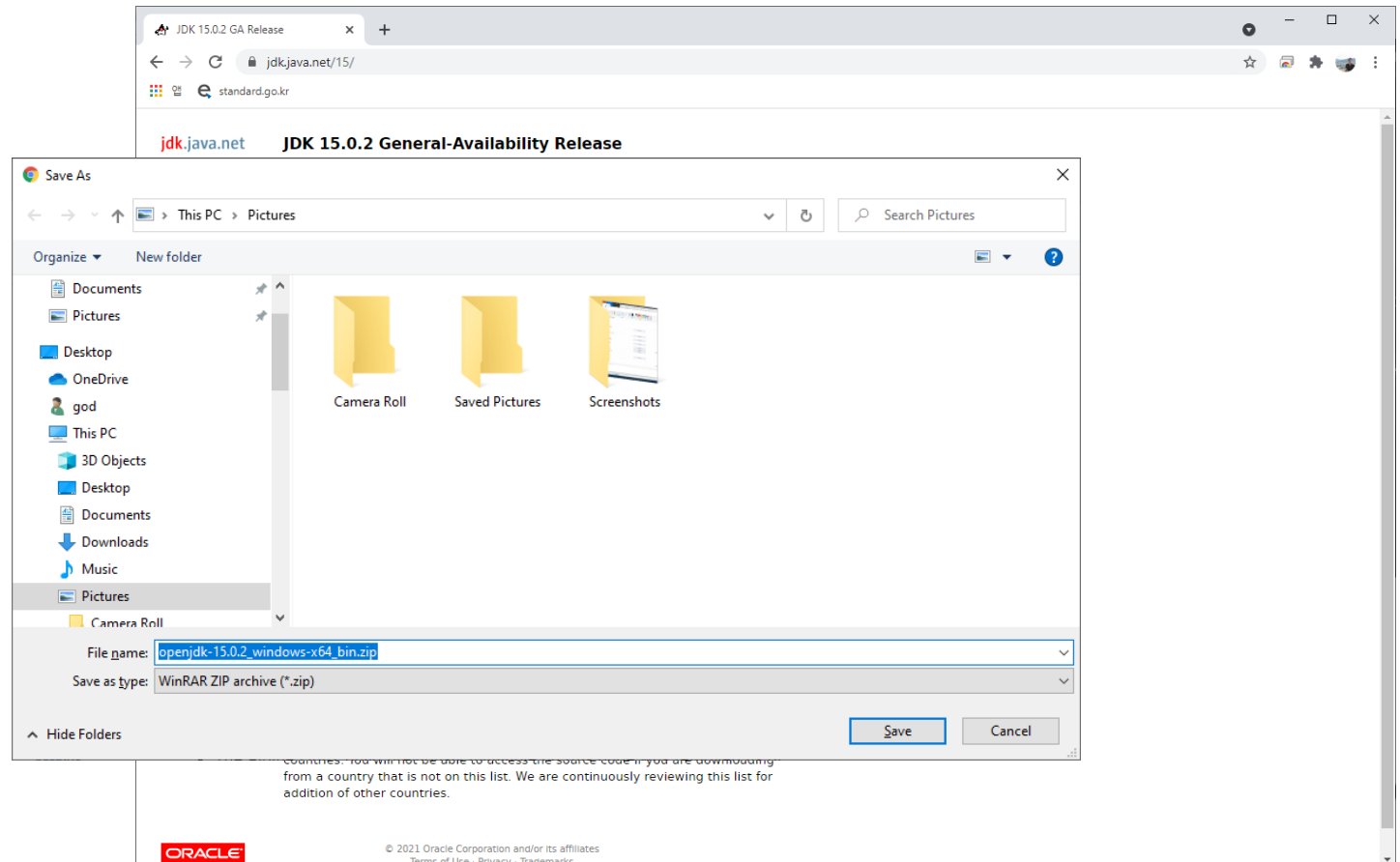


The screenshot shows the 'JDK 15.0.2 General-Availability Release' page. A red arrow points to the download table. The table lists download links for various operating systems and architectures. The 'Windows/x64' row is highlighted with a red box.

Platform	Format	SHA-256	Size
Linux/AArch64	tar.gz	(sha256)	170507166 bytes
Linux/x64	tar.gz	(sha256)	195340587
macOS/x64	tar.gz	(sha256)	192067136
Windows/x64	zip	(sha256)	195939486

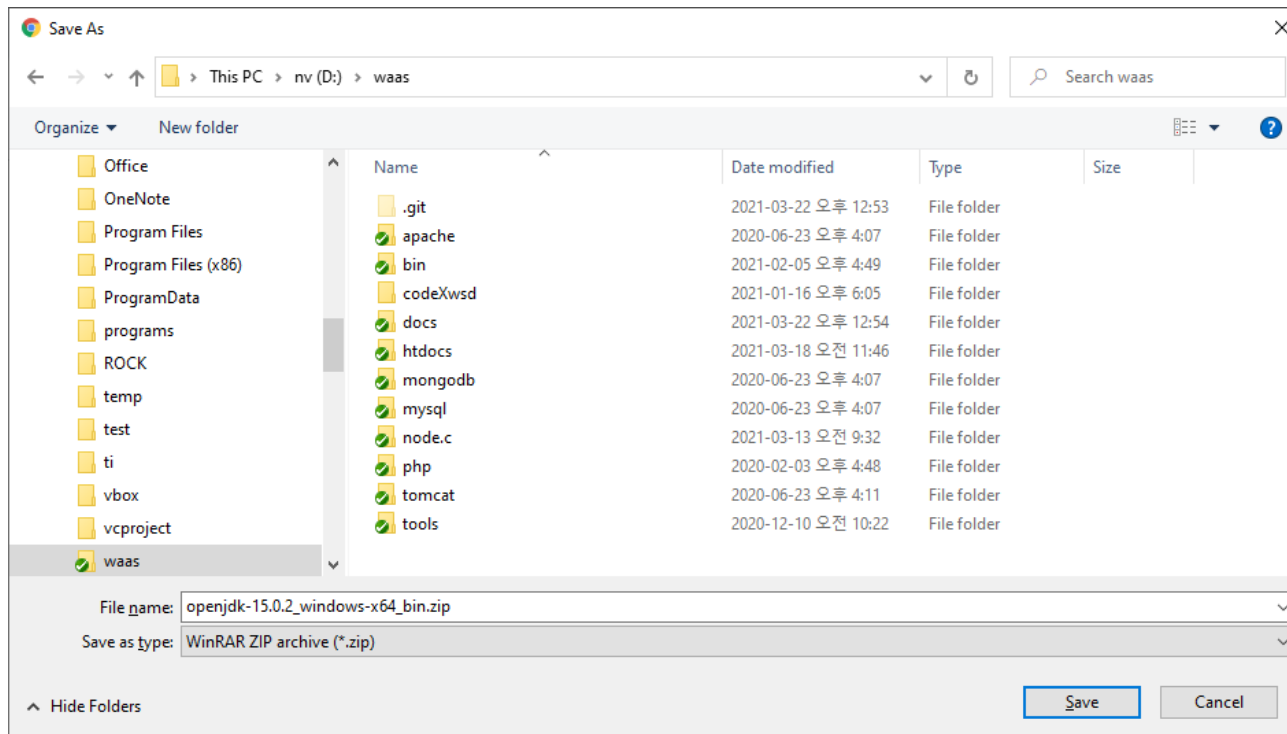
2. Install OpenJDK

download openjdk



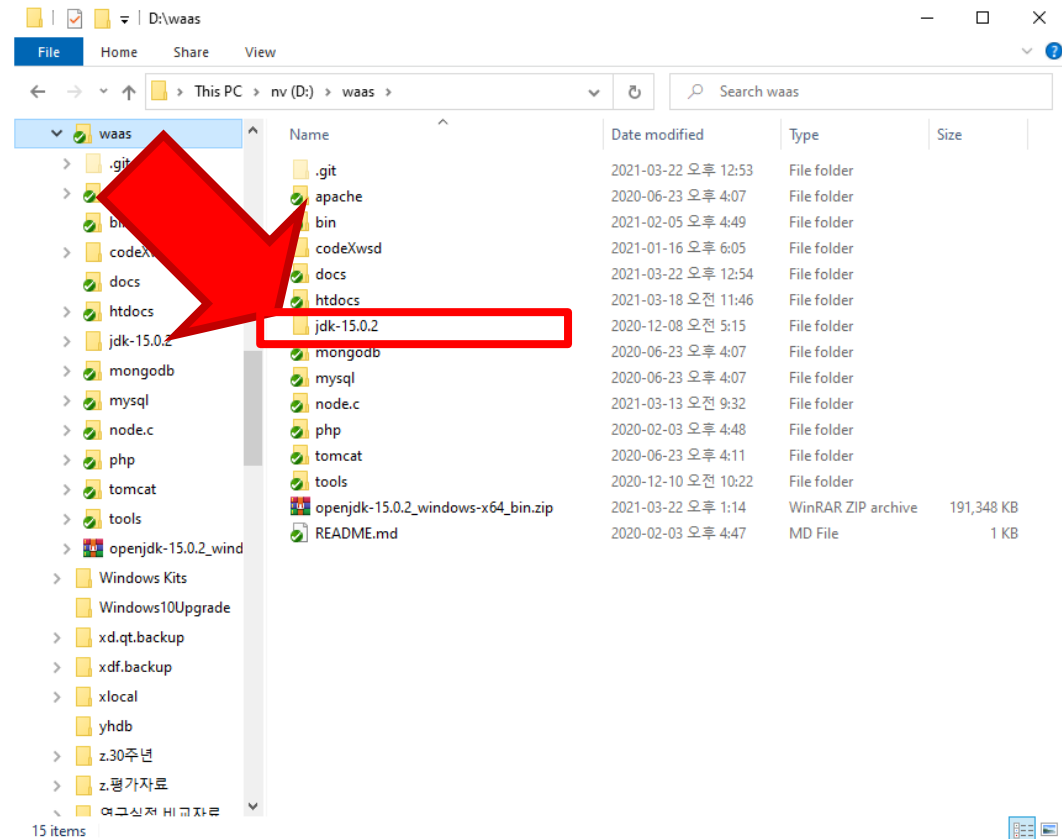
2. Install OpenJDK

download openjdk (save & extract to anywhere)



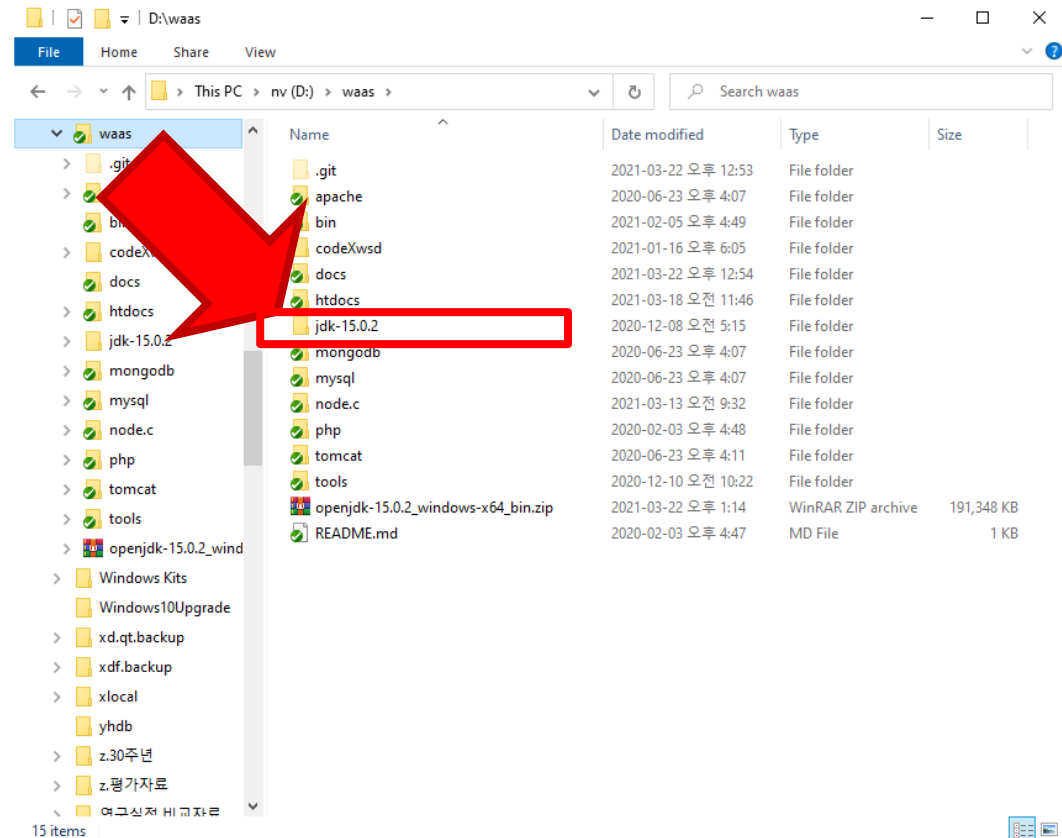
2. Install OpenJDK

download openjdk (for example)



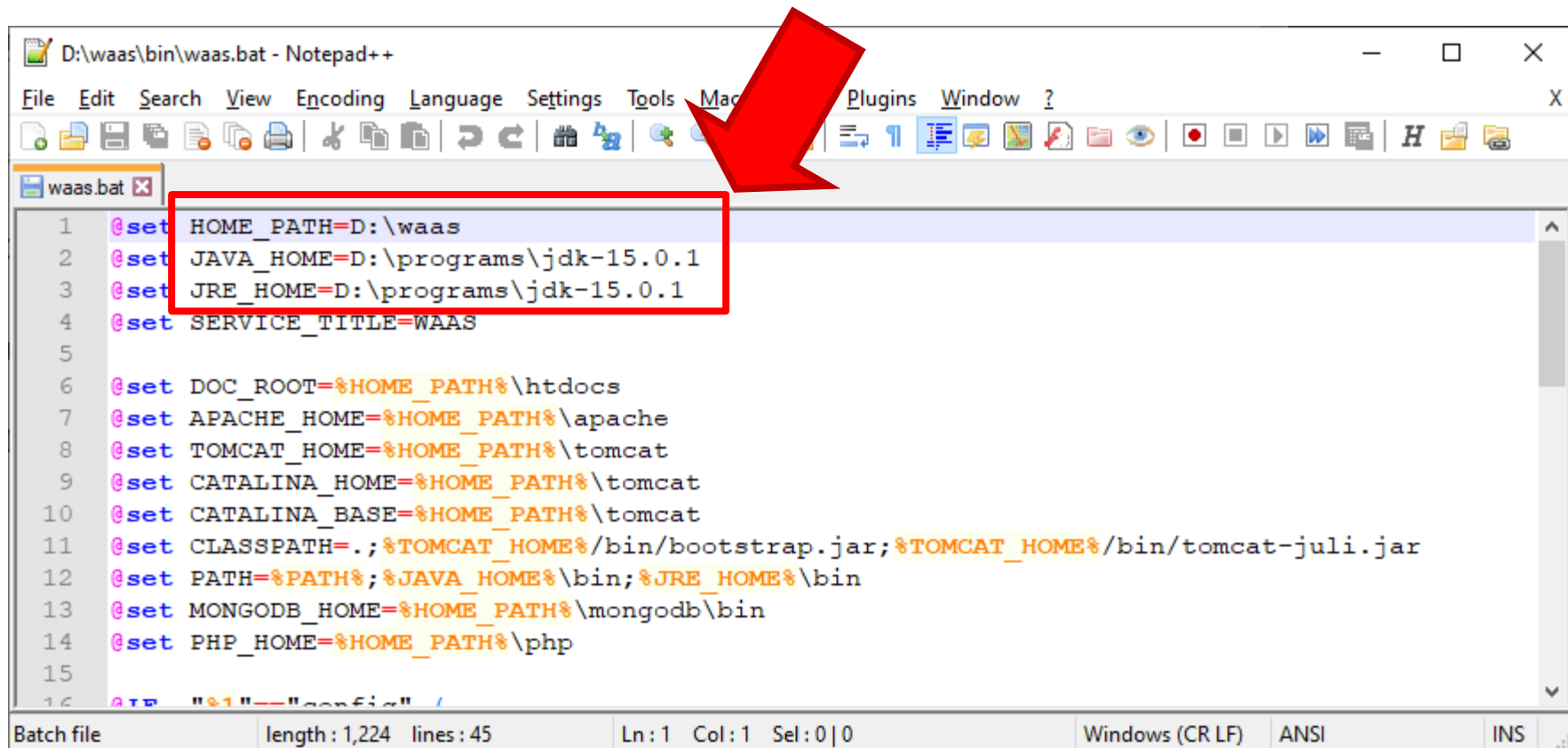
2. Install OpenJDK

download openjdk (for example)



3. Configure the WAAS


edit path in the waas.bat



```
D:\waas\bin\waas.bat - Notepad++
File Edit Search View Encoding Language Settings Tools Mac Plugins Window ?
waas.bat
1 @set HOME_PATH=D:\waas
2 @set JAVA_HOME=D:\programs\jdk-15.0.1
3 @set JRE_HOME=D:\programs\jdk-15.0.1
4 @set SERVICE_TITLE=WAAS
5
6 @set DOC_ROOT=%HOME_PATH%\htdocs
7 @set APACHE_HOME=%HOME_PATH%\apache
8 @set TOMCAT_HOME=%HOME_PATH%\tomcat
9 @set CATALINA_HOME=%HOME_PATH%\tomcat
10 @set CATALINA_BASE=%HOME_PATH%\tomcat
11 @set CLASSPATH=.;%TOMCAT_HOME%\bin\bootstrap.jar;%TOMCAT_HOME%\bin\tomcat-juli.jar
12 @set PATH=%PATH%;%JAVA_HOME%\bin;%JRE_HOME%\bin
13 @set MONGODB_HOME=%HOME_PATH%\mongodb\bin
14 @set PHP_HOME=%HOME_PATH%\php
15
16 @IF "%1"=="config" /
```

Batch file length: 1,224 lines: 45 Ln: 1 Col: 1 Sel: 0 | 0 Windows (CR LF) ANSI INS

4. waas.bat config



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18363.1441]
(c) 2019 Microsoft Corporation. All rights reserved.


C:\WINDOWS\system32>d:

D:\>cd waas

D:\waas>cd bin

D:\waas\bin>_
```

4. waas.bat config



Administrator: Command Prompt

Microsoft Windows [Version 10.0.18363.1441]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>d:
D:\>cd waas
D:\waas>cd bin
D:\waas\bin>waas config_

The screenshot shows a Windows Command Prompt window titled "Administrator: Command Prompt". The window displays the following commands and their outputs:
1. The user types "d:" to switch to the D: drive.
2. The user types "cd waas" to navigate to the "waas" directory.
3. The user types "cd bin" to navigate to the "bin" subdirectory.
4. The user types "waas config_" to execute the configuration command. This last command and its prompt are highlighted with a red rectangular box.

4. waas.bat config

```
Administrator: Command Prompt - waas config - waas start
Microsoft Windows [Version 10.0.18363.1441]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>d:

D:\>cd waas

D:\waas>cd bin

D:\waas\bin>waas config
A subdirectory or file D:\waas\htdocs already exists.
A subdirectory or file D:\waas\apache\logs already exists.
A subdirectory or file D:\waas\mongodb\log already exists.
A subdirectory or file D:\waas\mongodb\data already exists.
A subdirectory or file D:\waas\mongodb\data\diagnostic.data already exists.
A subdirectory or file D:\waas\mongodb\data\journal already exists.
A subdirectory or file D:\waas\mysql\data already exists.

D:\waas\bin>echo Define SRVROOT "D:\waas\apache"
1>D:\waas\apache/conf/httpd.conf

D:\waas\bin>echo Define DOCROOT "D:\waas\htdocs"
1>>D:\waas\apache/conf/httpd.conf

D:\waas\bin>echo ServerRoot "${SRVROOT}"
1>>D:\waas\apache/conf/httpd.conf

D:\waas\bin>echo Listen 80
1>>D:\waas\apache/conf/httpd.conf
```


4. waas.bat config

```
Administrator: Command Prompt - waas config
as\tomcat\conf\server.xml

D:\waas\bin>echo                unpackWARs="true" autoDeploy="true">
omcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                <Context path="" docBase="." reloadable="true" />
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                <!--Valve className="org.apache.catalina.valves.AccessLogValve" directory="logs"
omcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                prefix="localhost_access_log" suffix=".txt"
tomcat\conf\server.xml                1>>D:\waas\

D:\waas\bin>echo                pattern="%h %l %u %t &quot;%r&quot; %s %b" /-->
onf\server.xml                1>>D:\waas\tomcat\c

D:\waas\bin>echo                </Host>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                </Engine>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                </Service>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo </Server>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>
```

5. waas.bat start

```
Administrator: Command Prompt - waas config - waas start
as\tomcat\conf\server.xml

D:\waas\bin>echo                unpackWARs="true" autoDeploy="true">
omcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                <Context path="" docBase="." reloadable="true" />
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                <!--Valve className="org.apache.catalina.valves.AccessLogValve" directory="logs"
omcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                prefix="localhost_access_log" suffix=".txt"
tomcat\conf\server.xml                1>>D:\waas\

D:\waas\bin>echo                pattern="%h %l %u %t &quot;%r&quot; %s %b" /-->
onf\server.xml                1>>D:\waas\tomcat\c

D:\waas\bin>echo                </Host>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                </Engine>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo                </Service>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>echo </Server>
mcat\conf\server.xml                1>>D:\waas\t

D:\waas\bin>waas start
```

5. waas.bat start

```
Administrator: Command Prompt - waas config - waas start
D:\waas\bin>waas start
The WAAS_MONGODB service is starting..
The WAAS_MONGODB service was started successfully.

Service successfully installed.
The WAAS_SQL service is starting...
The WAAS_SQL service was started successfully.

Installing the 'WAAS_APACHE' service
The 'WAAS_APACHE' service is successfully installed.
Testing httpd.conf....
Errors reported here must be corrected before the service can be started.
(OS 10048)Only one usage of each socket address (protocol/network address/port) is normally permitted. : AH00072: make_sock: could not bind to address 0.0.0.0:80
AH00451: no listening sockets available, shutting down
AH00015: Unable to open logs
(OS 10048)Only one usage of each socket address (protocol/network address/port) is normally permitted. : AH00072: make_sock: could not bind to address 0.0.0.0:80
AH00451: no listening sockets available, shutting down
AH00015: Unable to open logs

SERVICE_NAME: WAAS_TOMCAT
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2   START_PENDING
                             (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE       : 0   (0x0)
        SERVICE_EXIT_CODE    : 0   (0x0)
        CHECKPOINT            : 0x0
        WAIT_HINT             : 0x7d0
        PID                  : 13876
```

5. waas.bat start

```
Administrator: Command Prompt - waas config - waas start
AH00015: Unable to open logs
(OS 10048)Only one usage of each socket address (protocol/network address/port) is normally permitted. : AH00072: make_
sock: could not bind to address 0.0.0.0:80
AH00451: no listening sockets available, shutting down
AH00015: Unable to open logs

SERVICE_NAME: WAAS_TOMCAT
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2   START_PENDING
                           (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE       : 0   (0x0)
        SERVICE_EXIT_CODE    : 0   (0x0)
        CHECKPOINT           : 0x0
        WAIT_HINT            : 0x7d0
        PID                  : 13876
        FLAGS                 :
[SC] CreateService SUCCESS

SERVICE_NAME: WAAS_NODE
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2   START_PENDING
                           (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE       : 0   (0x0)
        SERVICE_EXIT_CODE    : 0   (0x0)
        CHECKPOINT           : 0x0
        WAIT_HINT            : 0x7d0
        PID                  : 7488
        FLAGS                 :

D:\waas\bin>
```

6. Complete

