

* Java JDK 설치방법

1. java.sun.com 접속 → Java SE 클릭

The screenshot shows the Oracle Java website interface. At the top, there is a navigation bar with the Oracle logo, a search bar, and links for 'Sign In', 'Country/Region', and 'Contact'. Below this is a banner for 'Oracle Technology Network / Java'. The main content area features a large blue graphic with cloud icons and a 'SPECIAL OFFER: CREATE YOUR FREE ORACLE CLOUD ACCOUNT TODAY' message. To the right, the 'Software Downloads' section is visible, with a red header and a 'View All Downloads' link. Under 'Top Downloads', 'Java SE' is highlighted with a red box. Other items in the list include Java EE and GlassFish, JavaFX, Java Card, JDeveloper and ADF, Enterprise Pack for Eclipse, NetBeans IDE, and Pre-Built VM for Java Devs. A 'New Downloads' section lists Java SE 12.0.2, Java SE 11.0.4, Java SE 8 Update 221, and Java Card 3.1. Below the banner, there are four columns of content: 'Essential Links', 'Developer Spotlight', 'Blogs', and 'Technologies'. The 'Essential Links' column lists various resources like 'About Us/Become a Member', 'Java APIs', and 'Technical Articles'. The 'Developer Spotlight' column features articles such as 'Java EE—the Most Lightweight Enterprise Framework?' and 'Modular and Reusable Java EE Architecture with Docker'. The 'Blogs' column includes '2019 Duke's Choice Award Nominations' and '30 New Java Champions Confirmed in 2018'. The 'Technologies' column lists 'Java SE', 'Java SE Subscription', 'Java Embedded', 'Java EE', 'Java ME', 'JavaFX', 'Java Card', 'Java TV', 'Java DB', and 'Developer Tools'. A 'NightHacking Videos' section is also present with a circular logo featuring a penguin and the text 'I AM A NIGHTHACKER NIGHTHACKING.COM'.

우측 상단에 Top Downloads 중 Java SE 클릭

2. 1.8버전 JDK 다운로드

<p>Looking for Oracle OpenJDK builds?</p> <ul style="list-style-type: none"> ▪ Oracle Customers and ISVs targeting Oracle LTS releases: Oracle JDK is Oracle's supported Java SE version for customers and for developing, testing, prototyping or demonstrating your Java applications. ▪ End users and developers looking for free JDK versions: Oracle OpenJDK offers the same features and performance as Oracle JDK under the GPL license . <p>To Learn more about these options visit Oracle JDK Releases for Java 11 and Later</p>	
<p>Java SE 11.0.4 (LTS) Java SE 11.0.4 is the latest release for the Java SE 11 Platform Learn more ▶</p>	
<ul style="list-style-type: none"> ▪ Installation Instructions ▪ Release Notes ▪ Oracle JDK License ▪ Java SE Licensing Information User Manual <ul style="list-style-type: none"> ▪ Includes Third Party Licenses ▪ Certified System Configurations ▪ Readme 	<p>Oracle JDK DOWNLOAD ⚙</p>
<p>Java SE 8u221 Java SE 8u221 includes important bug fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Learn more ▶</p>	
<ul style="list-style-type: none"> ▪ Installation Instructions ▪ Release Notes ▪ Oracle License ▪ Java SE Licensing Information User Manual <ul style="list-style-type: none"> ▪ Includes Third Party Licenses ▪ Certified System Configurations ▪ Readme Files <ul style="list-style-type: none"> ▪ JDK ReadMe ▪ JRE ReadMe 	<p>JDK DOWNLOAD ⚙</p> <p>Server JRE DOWNLOAD ⚙</p> <p>JRE DOWNLOAD ⚙</p>
<p>Which Java package do I need?</p> <ul style="list-style-type: none"> ▪ Software Developers: JDK (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications. ▪ Administrators running applications on a server: Server JRE (Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer. Learn more ▶ ▪ End user running Java on a desktop: JRE: (Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system. 	

Java SE 8U 버전 다운로드 함

3. 라이선스 동의 후 자신의 운영체제에 맞는 버전 다운로드 후 설치

Java Magazine

The Oracle JDK License has changed for releases starting April 16, 2019.

The new Oracle Technology Network License Agreement for Oracle Java SE is substantially different from prior Oracle JDK licenses. The new license permits certain uses, such as personal use and development use, at no cost -- but other uses authorized under prior Oracle JDK licenses may no longer be available. Please review the terms carefully before downloading and using this product. An FAQ is available [here](#).

Commercial license and support is available with a low cost [Java SE Subscription](#).

Oracle also provides the latest OpenJDK release under the open source [GPL License](#) at [jdk.java.net](#).

See also:

- [Java Developer Newsletter](#): From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- [Java Developer Day hands-on workshops](#) (free) and other events.
- [Java Magazine](#)

JDK 8u221 checksum

Java SE Development Kit 8u221

You must accept the [Oracle Technology Network License Agreement for Oracle Java SE](#) to download this software.

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Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	72.9 MB	jdk-8u221-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	69.81 MB	jdk-8u221-linux-arm64-vfp-hflt.tar.gz
Linux x86	174.18 MB	jdk-8u221-linux-i586.rpm
Linux x86	189.03 MB	jdk-8u221-linux-i586.tar.gz
Linux x64	171.19 MB	jdk-8u221-linux-x64.rpm
Linux x64	186.06 MB	jdk-8u221-linux-x64.tar.gz
Mac OS X x64	252.52 MB	jdk-8u221-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	132.99 MB	jdk-8u221-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	94.23 MB	jdk-8u221-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	133.66 MB	jdk-8u221-solaris-x64.tar.Z
Solaris x64	91.95 MB	jdk-8u221-solaris-x64.tar.gz
Windows x86	202.73 MB	jdk-8u221-windows-i586.exe
Windows x64	215.35 MB	jdk-8u221-windows-x64.exe

Java SE Development Kit 8u221 Demos and Samples Downloads


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Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	9.06 MB	jdk-8u221-linux-arm32-vfp-hflt-demos.tar.gz
Linux ARM 64 Hard Float ABI	9.08 MB	jdk-8u221-linux-arm64-vfp-hflt-demos.tar.gz
Linux x86	56.42 MB	jdk-8u221-linux-i586-demos.rpm
Linux x86	56.28 MB	jdk-8u221-linux-i586-demos.tar.gz
Linux x64	56.52 MB	jdk-8u221-linux-x64-demos.rpm
Linux x64	56.38 MB	jdk-8u221-linux-x64-demos.tar.gz

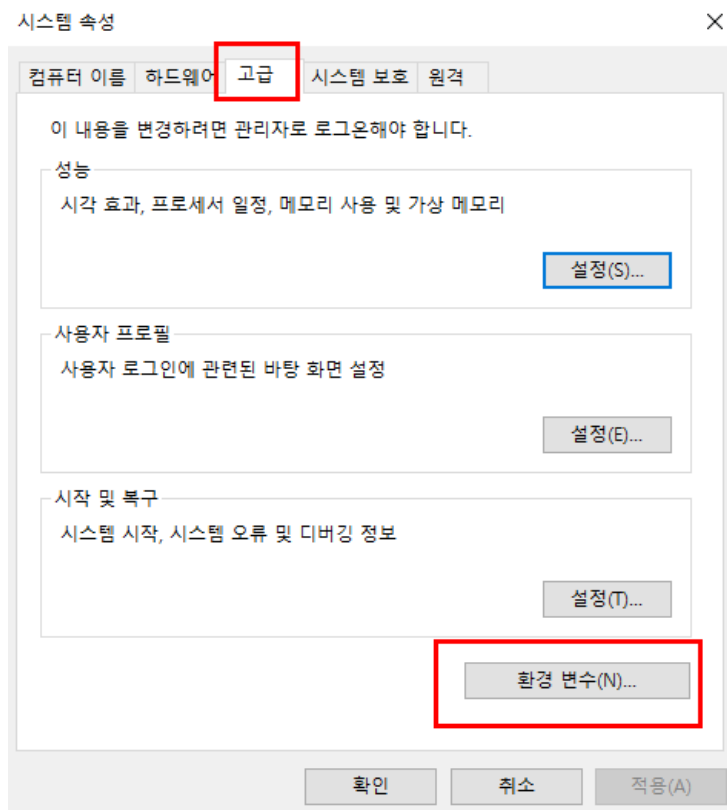
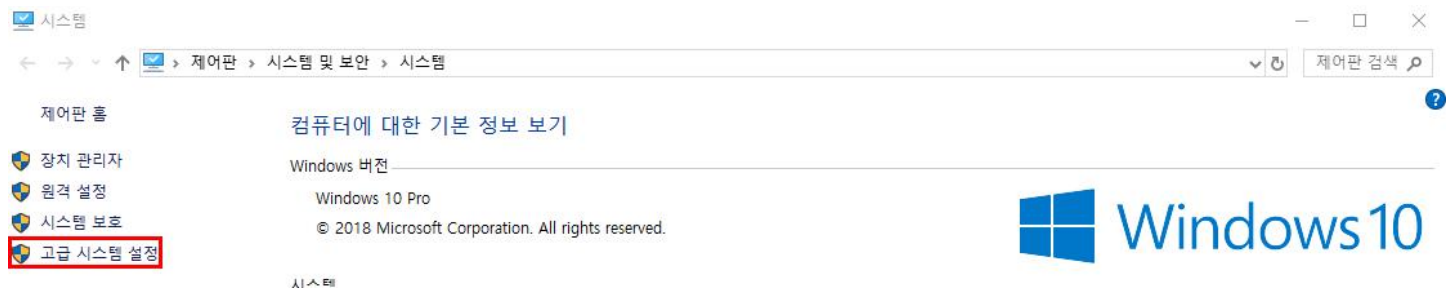
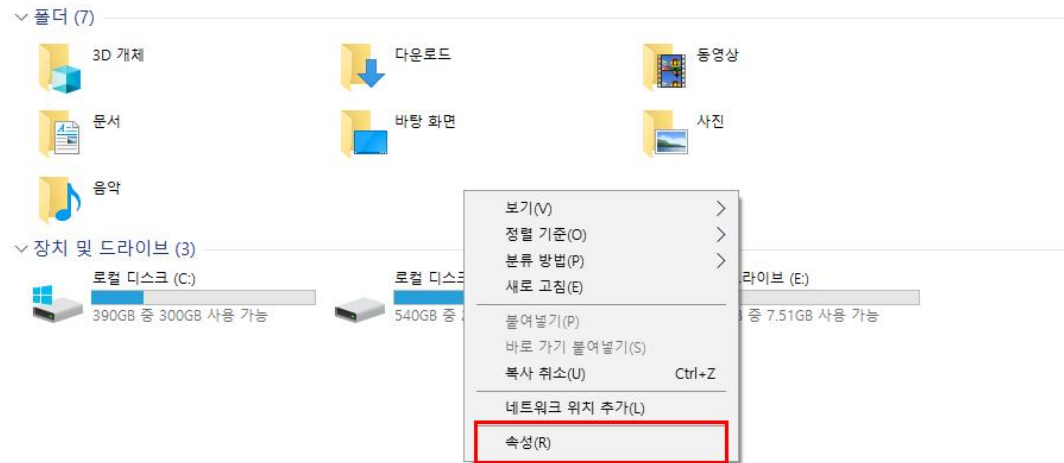
- [Java APIs](#)
- [Technical Articles](#)
- [Demos and Videos](#)
- [Forums](#)
- [Java Magazine](#)
- [Developer Training](#)
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- [Java.com](#)

* 다운로드 시 오라클 계정 로그인이 필요합니다. 회원가입 절차 완료 후 다운받으세요.

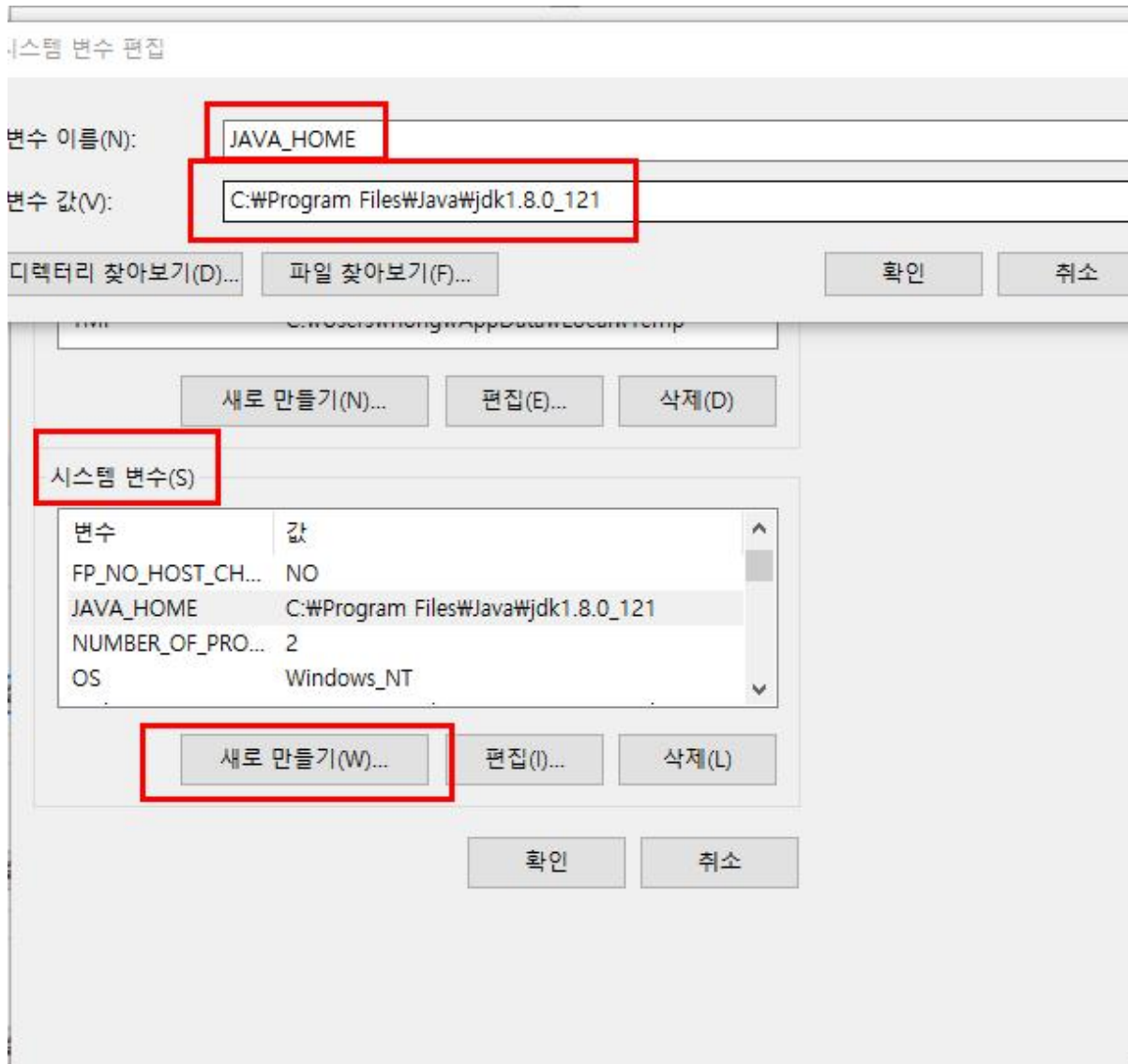


4. Java 환경 변수 설정

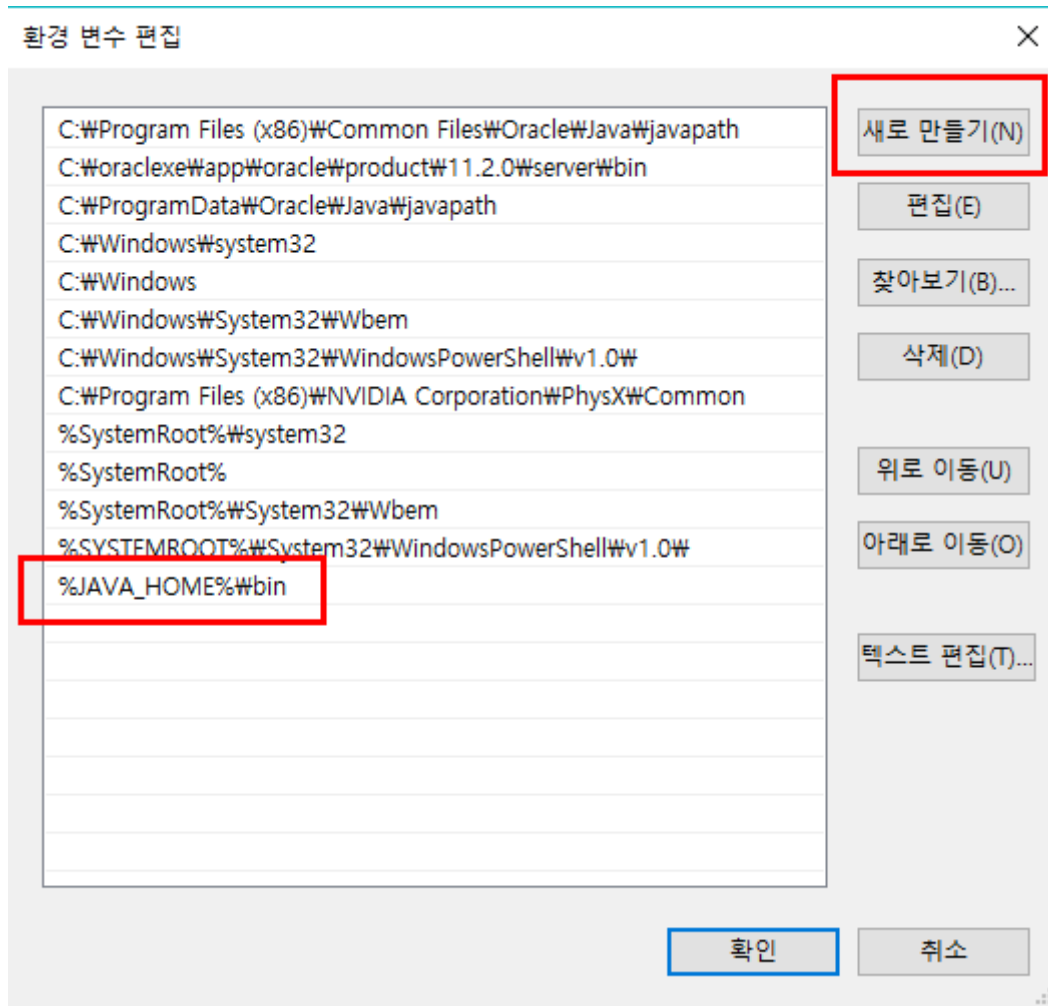
- 내 컴퓨터 오른쪽 클릭 → 설정 → 고급 시스템 설정 → 고급 → 환경 변수
- 윈도우 10의 경우 내PC에서 마우스 우측 클릭 후 속성에 들어감



- 시스템 변수 → 새로 만들기에 아래 그림과 같이 입력.



- Path 항목 더블클릭 → %JAVA_HOME%\bin 입력
- window 10 기준



- window 7 기준
- ;%JAVA_HOME%\bin 입력 (앞에 세미콜론에 주의)

