

Spring Framework

2. 환경설정

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학습 목표

- JDK(Java Development Kit) 1.8 설치 및 API 문서를 찾을 수 있습니다.
- STS(Spring Tool Suite) 3.7.3 설치 및 Spring 3.2.17 API 문서를 찾을 수 있습니다.
- Tomcat 8.0 을 설치할 수 있습니다.
- Oracle 11g XE 를 설치할 수 있습니다.

A person's hands are holding a smartphone with a white screen. The background is dark with out-of-focus, colorful bokeh lights in shades of yellow, orange, and blue. A semi-transparent dark banner is at the bottom, containing a yellow decorative element and the title text.

1. JDK 8 설치 및 API 문서

Java SE Development Kit 8 downloads

URL

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>



Java SE Development Kit 8 downloads

URL

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

The screenshot shows the Oracle Java SE Development Kit 8 Downloads page. On the left is a navigation menu with links to Java SE, Java EE, Java ME, Java SE Support, Java SE Advanced & Suite, Java Embedded, Java DB, Web Tier, Java Card, Java TV, New to Java, Community, and Java Magazine. The main content area has tabs for Overview, Downloads (highlighted with a red box), Documentation, Community, Technologies, and Training. The Downloads tab is active, displaying the title 'Java SE Development Kit 8 Downloads' and a thank-you message. It also includes a 'See also:' section with links to the Java Developer Newsletter, Java Developer Day workshops, and Java Magazine. At the bottom, it lists 'JDK 8u91 Checksum' and 'JDK 8u92 Checksum'.

Java SE
Java EE
Java ME
Java SE Support
Java SE Advanced & Suite
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Java DB
Web Tier
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Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

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 8u91 Checksum
JDK 8u92 Checksum

Java SE Development Kit 8 downloads

URL

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Java SE Development Kit 8u91

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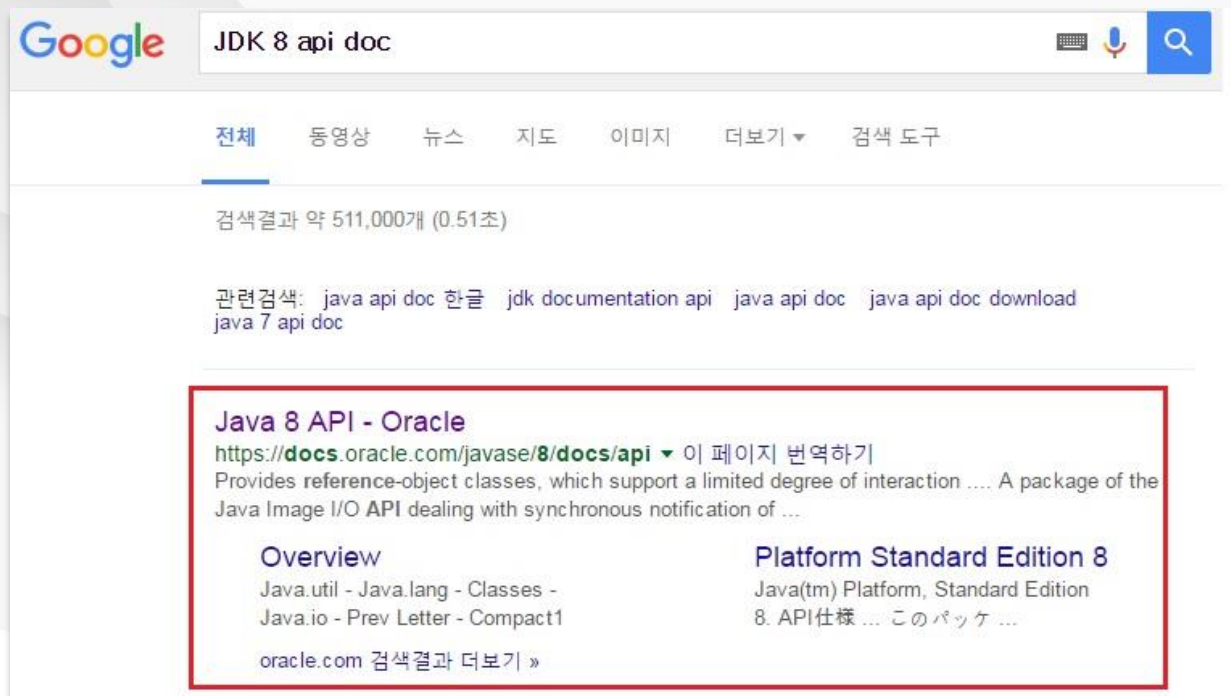
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Solaris SPARC 64-bit	98.95 MB	jdk-8u91-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.29 MB	jdk-8u91-solaris-x64.tar.Z
Solaris x64	96.78 MB	jdk-8u91-solaris-x64.tar.gz
Windows x86	182.29 MB	jdk-8u91-windows-i586.exe
Windows x64	187.4 MB	jdk-8u91-windows-x64.exe

Windows 64bit 버전 선택 :
jdk-8u91-windows-x64.exe

Java SE Development Kit 8 API 문서

URL

<https://docs.oracle.com/javase/8/docs/api/>



Java SE Development Kit 8 API 문서

URL

<https://docs.oracle.com/javase/8/docs/api/>

Java™ Platform
Standard Ed. 8

OVERVIEW PACKAGE CLASS USE TREE DEPRECATED INDEX HELP

PREV NEXT FRAMES NO FRAMES

Java™ Platform, Standard Edition 8 API Specification

This document is the API specification for the Java™ Platform, Standard Edition.

See: Description

Profiles

- compact1
- compact2
- compact3

Packages

Package	Description
java.applet	Provides the classes necessary context.

Browser의
즐거찾기에 추가함

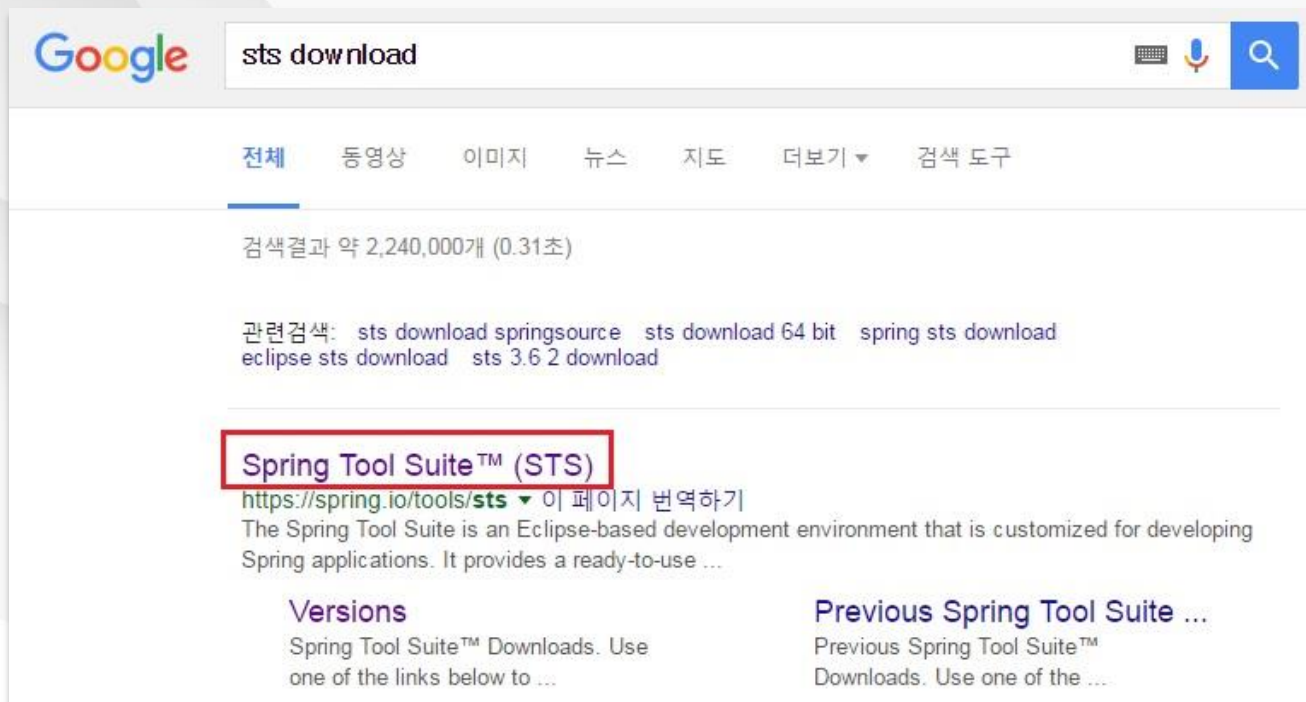
A person's hands are shown holding a smartphone, with the screen glowing. The background is dark with out-of-focus, colorful bokeh lights in shades of yellow, orange, and blue. A semi-transparent dark blue banner is at the bottom, featuring a yellow diagonal bar on the left and white text.

2. STS 3.7.3 설치 및 Spring API 문서

■ STS downloads

URL

<https://spring.io/tools/sts>



STS downloads

URL

<https://spring.io/tools/sts>

TOOLS

Spring Tool Suite™

The Spring Tool Suite is an Eclipse-based development environment customized for developing Spring applications. It provides an environment to implement, debug, run, and deploy applications. It also includes integrations for Pivotal tc Server, Pivotal Cloud Foundry, Git, Maven, AspectJ, and more. It comes on top of the latest Eclipse releases.

Included with the Spring Tool Suite is the developer edition of Pivotal tc Server, the drop-in replacement for Apache Tomcat that's optimized for Spring. With its Spring Insight console, tc Server Developer Edition provides a graphical real-time view of application performance metrics that lets developers identify and diagnose problems from their desktops.

The Spring Tool suite supports application targeting to local, virtual and cloud-based

3.7.3 Release for Windows 선택 :
**spring-tool-suite-3.7.3.RELEASE-
e4.5.2-win32-x86_64.zip**



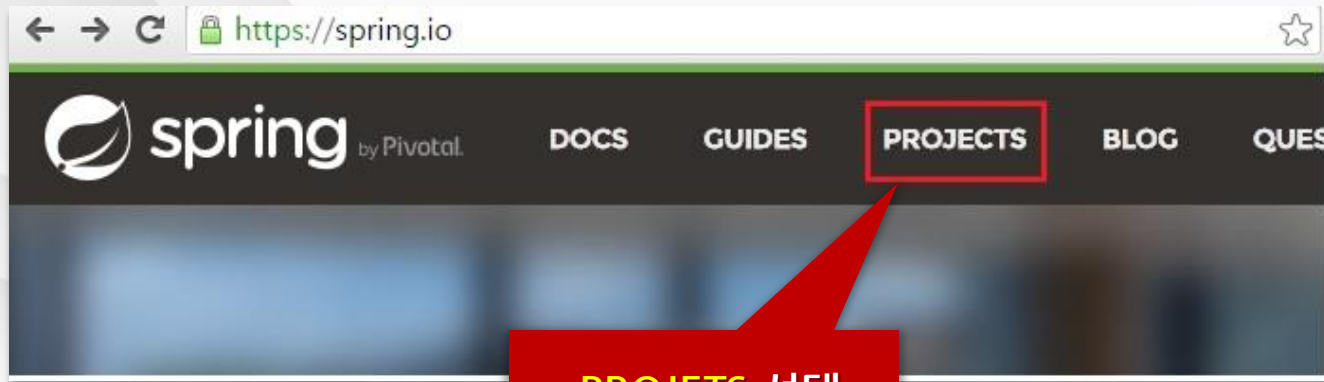
**DOWNLOAD STS
(3.7.3.RELEASE for Windows)**

[See All Versions](#)

■ SpringFramework 3.2.17 release API 문서

URL

<http://spring.io>

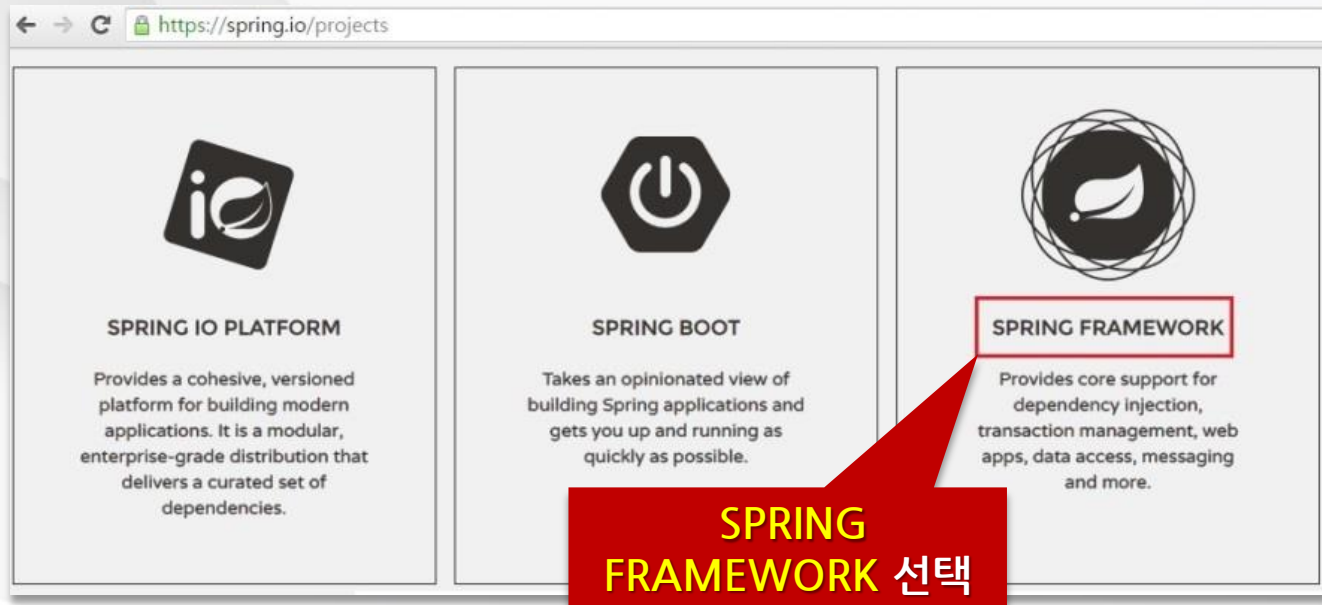


PROJETS 선택

■ SpringFramework 3.2.17 release API 문서

URL

<http://spring.io>



■ SpringFramework 3.2.17 release API 문서

URL

<http://docs.spring.io/spring/docs/3.2.17.RELEASE/javadoc-api/>

The screenshot shows the Spring Framework website. The left sidebar contains the 'Introduction' and 'Features' sections. The main content area on the right displays a table titled 'Spring Framework' with columns for 'RELEASE' and 'DOCUMENTATION'. The table lists several versions, with 3.2.17 highlighted by a red callout box pointing to its 'API' link.

Introduction

The Spring Framework provides a comprehensive programming and configuration model for modern Java-based enterprise applications - on any kind of deployment platform. A key element of Spring is infrastructural support at the application level: Spring focuses on the "plumbing" of enterprise applications so that teams can focus on application-level business logic, without unnecessary ties to specific deployment environments.

Features

- Dependency Injection
- Aspect-Oriented Programming including Spring's declarative transaction management
- Spring MVC web application and RESTful web service framework
- Foundational support for JDBC, JPA, JMS
- Much more...

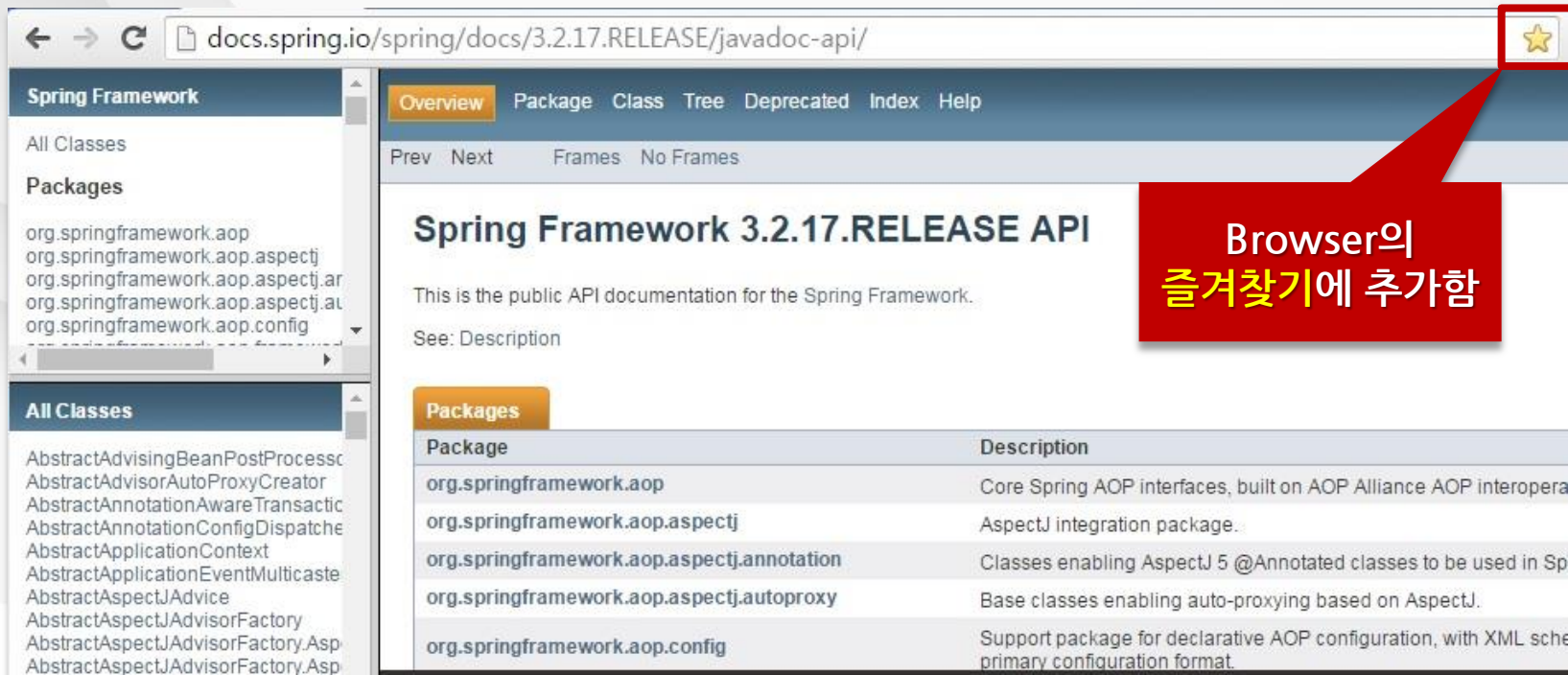
RELEASE	DOCUMENTATION
4.3.1 <small>SNAPSHOT</small>	Reference API
4.3.0 <small>CURRENT</small> <small>GA</small>	Reference API
4.2.7 <small>SNAPSHOT</small>	Reference API
4.2.6 <small>GA</small>	Reference API
4.1.9 <small>GA</small>	Reference API
3.2.17 <small>RELEASE</small>	Reference API

3.2.17
API 선택

■ SpringFramework 3.2.17 release API 문서

URL

<http://docs.spring.io/spring/docs/3.2.17.RELEASE/javadoc-api/>



docs.spring.io/spring/docs/3.2.17.RELEASE/javadoc-api/

Spring Framework

All Classes

Packages

- org.springframework.aop
- org.springframework.aop.aspectj
- org.springframework.aop.aspectj.annotation
- org.springframework.aop.config

All Classes

- AbstractAdvisingBeanPostProcessor
- AbstractAdvisorAutoProxyCreator
- AbstractAnnotationAwareTransactionalInterceptor
- AbstractAnnotationConfigDispatcher
- AbstractApplicationContext
- AbstractApplicationEventMulticaster
- AbstractAspectJAdvice
- AbstractAspectJAdvisorFactory
- AbstractAspectJAdvisorFactory.AspectJ
- AbstractAspectJAdvisorFactory.AspectJ

Overview Package Class Tree Deprecated Index Help

Prev Next Frames No Frames

Spring Framework 3.2.17.RELEASE API

This is the public API documentation for the Spring Framework.

See: Description

Packages

Package	Description
org.springframework.aop	Core Spring AOP interfaces, built on AOP Alliance AOP interopera
org.springframework.aop.aspectj	AspectJ integration package.
org.springframework.aop.aspectj.annotation	Classes enabling AspectJ 5 @Annotated classes to be used in Sp
org.springframework.aop.aspectj.autoproxy	Base classes enabling auto-proxying based on AspectJ.
org.springframework.aop.config	Support package for declarative AOP configuration, with XML sche

Browser의 즐겨찾기에 추가함

A person's hands are shown holding a smartphone, with the screen glowing. The background is dark with out-of-focus, colorful bokeh lights in shades of yellow, orange, and blue. A semi-transparent dark banner is at the bottom, featuring a yellow decorative element and the section title.

3. Tomcat 8 설치

■ Tomcat8.0 downloads

Site

<https://tomcat.apache.org/download-80.cgi>



■ Tomcat8.0 downloads

Site

<https://tomcat.apache.org/download-80.cgi>



Apache Tomcat

Home
Taglibs
Maven Plugin

Download

Which version?
Tomcat 9
Tomcat 8
Tomcat 7
Tomcat 6
Tomcat Connectors
Tomcat Native
Taglibs

Apache Tomcat®

Tomcat 8 Software Downloads

Welcome to the Apache Tomcat® software download page. This page pr

Quick Navigation

[KEYS](#) | [8.0.36](#) | [8.5.3](#) | [Browse](#) | [Archives](#)

Release Integrity

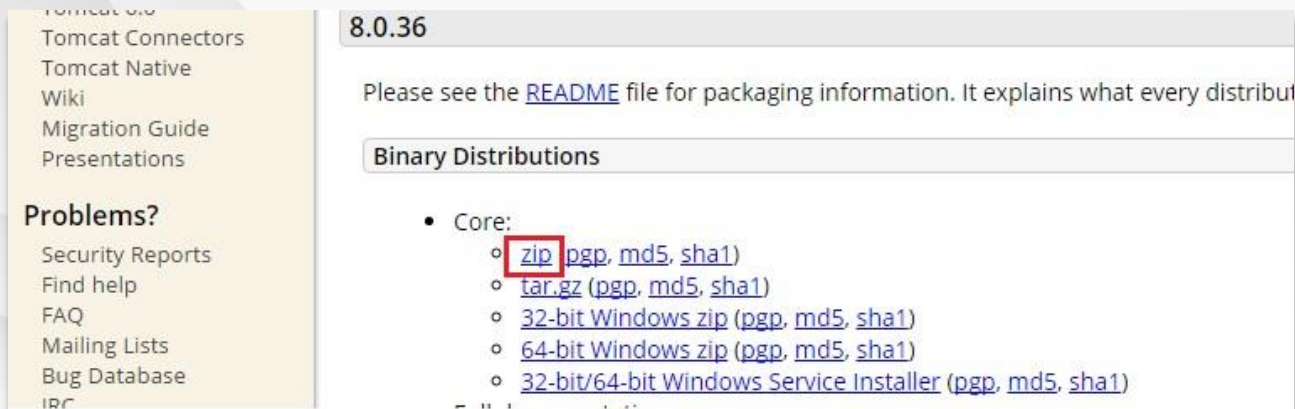
You **must** [verify](#) the integrity of the downloaded files. We provide OpenPGP
Tomcat's Release Managers. We also provide [MD5](#) and [SHA-1](#) checksums for
ours.

8.0.36 Zip 버전 선택 :
apache-tomcat-8.0.36.zip

■ Tomcat8.0 downloads

Site

<https://tomcat.apache.org/download-80.cgi>



The screenshot shows the Tomcat 8.0.36 download page. On the left is a navigation menu with links to Tomcat Connectors, Tomcat Native, Wiki, Migration Guide, and Presentations. Below this is a 'Problems?' section with links to Security Reports, Find help, FAQ, Mailing Lists, Bug Database, and IRC. The main content area shows the version '8.0.36' and a note to read the README file. Under the 'Binary Distributions' section, there is a list of download options. The 'Core' section lists 'zip', 'tar.gz', '32-bit Windows zip', '64-bit Windows zip', and '32-bit/64-bit Windows Service Installer', each with links for pgp, md5, and sha1. The 'zip' link is highlighted with a red box.

Tomcat 8.0
Tomcat Connectors
Tomcat Native
Wiki
Migration Guide
Presentations

Problems?
Security Reports
Find help
FAQ
Mailing Lists
Bug Database
IRC

8.0.36

Please see the [README](#) file for packaging information. It explains what every distribution contains.

Binary Distributions

- Core:
 - [zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [tar.gz](#) ([pgp](#), [md5](#), [sha1](#))
 - [32-bit Windows zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [64-bit Windows zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [32-bit/64-bit Windows Service Installer](#) ([pgp](#), [md5](#), [sha1](#))

A person's hands are shown holding a black smartphone with a white screen. The person is wearing a dark jacket. The background is dark with out-of-focus, circular bokeh lights in shades of yellow, orange, and blue, suggesting a city street at night.

4. Oracle 11g XE 설치

4. Oracle 11g XE(eXpress Edition) 설치

■ Oracle 11g XE downloads

Site

<http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html>

Google search results for "oracle express edition download".

Search results summary: 검색결과 약 1,440,000개 (0.62초)

관련검색: 오라클 express edition, 오라클 11g express edition, 오라클 11g express edition 설치, 오라클 10g express edition, oracle 10g xe 다운로드

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www.oracle.com/technetwork/.../express-edition/downloads/ ▾ 이 페이지 번역하기
Unzip the download and run the DISK1/setup.exe. Download. Oracle Database Express Edition 11g Release 2 for Linux x64 -Unzip the download and the RPM ...

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■ Oracle 11g XE downloads

Site

<http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html>

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Oracle Technology Network > Database > Database Technology Index

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Oracle Database 11g Express Edition

Free to develop, deploy, and distribute

Oracle Database 11g Express Edition (Oracle Database XE) is an entry-level, small-footprint database based on the Oracle Database 11g Release 2 code base. It's free to develop, deploy, and distribute; fast to download; and simple to administer.

Get started with Oracle Database Express Edition 11g Release 2
Downloads | Demonstrations | Online Documentation | Express Edition Forum

■ Oracle 11g XE downloads

Site

<http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html>

The screenshot shows the Oracle Technology Network website. The top navigation bar includes the Oracle logo, links for Sign In/Register, Help, Country, Communities, I am a..., I want to..., and a Search box. Below this is a secondary navigation bar with links for Products, Solutions, Downloads, Store, Support, Training, and Partner. The breadcrumb trail reads: Oracle Technology Network > Database > Database Technology Index > Database Express Edition > Downloads. On the left, a sidebar lists various database features. The main content area has tabs for Overview, Downloads (selected), Documentation, Community, and Learn More. The title is 'Oracle Database Express Edition 11g Release 2' with a date of 'June 4, 2014'. A text block states: 'You must accept the OTN License Agreement for Oracle Database Express Edition 11g Release 2 to download this software.' Below this are two radio buttons: 'Accept License Agreement' (which is selected and highlighted with a red box) and 'Decline License Agreement'. Further down, there are three download links for Windows x64, Windows x32, and Linux x64, each with instructions on how to install the software.

ORACLE

Sign In/Register Help Country ▾ Communities ▾ I am a... ▾ I want to... ▾ Search

Products Solutions Downloads Store Support Training Partner

Oracle Technology Network > Database > Database Technology Index > Database Express Edition > Downloads

Database 12c
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Exadata Database Machine
High Availability
Manageability
Migrations

Overview Downloads Documentation Community Learn More

Oracle Database Express Edition 11g Release 2

June 4, 2014

You must accept the OTN License Agreement for Oracle Database Express Edition 11g Release 2 to download this software.

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- ↓ Oracle Database Express Edition 11g Release 2 for Windows x64
- Unzip the download and run the DISK1/setup.exe
- ↓ Oracle Database Express Edition 11g Release 2 for Windows x32
- Unzip the download and run the DISK1/setup.exe
- ↓ Oracle Database Express Edition 11g Release 2 for Linux x64
- Unzip the download and the RPM file can be installed as normal

4. Oracle 11g XE(eXpress Edition) 설치

■ Oracle 11g XE downloads

Site

<http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html>

The screenshot shows the Oracle website's download page for Oracle Database Express Edition 11g Release 2 for Windows x64. The page includes the Oracle logo, navigation links (Products, Solutions, Downloads, Store, Support, Training, Partner), and a breadcrumb trail: Oracle Technology Network > Database > Database Technology Index > Database Express Edition > Downloads. A left sidebar lists various database features. The main content area has tabs for Overview, Downloads, and Documentation. The Downloads tab is active, showing the title 'Oracle Database Express Edition 11g Release 2 for Windows x64' and the date 'June 4, 2014'. Below this, a message states: 'Thank you for accepting the License Agreement; you may now download this software.' A red box highlights the download link: 'Oracle Database Express Edition 11g Release 2 for Windows x64'. Below the link, instructions are provided: '- Unzip the download and run the DISK1/setup.exe'. Other download options for Windows x32 and Linux x64 are also listed.

11g Release Windows 64bit
버전 선택
: OracleXE112_Win64.zip



Oracle Site
계정이 있어야
다운로드 가능



학습정리

지금까지 **[환경설정]**에 대해서 살펴보았습니다.

JDK 8 설치 및 API 문서

- ◉ JDK(Java Development Kit) 1.8 다운로드 및 설치
- ◉ Java SE API 문서 찾기

STS 3.7.3 설치 및 Spring API 문서

- ◉ STS(Spring Tool Suite) 3.7.3 다운로드 및 설치
- ◉ SpringFramework 3.2.17 Release API 문서 찾기

Tomcat 8 설치

Tomcat 8.0 다운로드 및 설치

Oracle 11g XE 설치

Oracle 11g XE 버전 다운로드 및 설치