

ACTIVIDAD

TECNOLOGÍAS PREVIAS SPRING

1) Investiga en Internet a que hace referencia cada uno de las siguientes tecnologías:

- **Spring:** Framework para desarrollar aplicaciones Java empresariales.
- **Spring Boot:** Extensión de Spring para crear aplicaciones rápidas y preconfiguradas.
- **JPA:** API de Java para mapear objetos a bases de datos relacionales.
- **Postman:** Herramienta para probar y depurar APIs.
- **Lombok:** Biblioteca para generar automáticamente código repetitivo en Java.
- **JSLT:** Lenguaje de transformación para estructurar y manipular JSON.
- **Thymeleaf:** Motor de plantillas para generar vistas HTML dinámicas.
- **Bootstrap:** Framework para diseñar interfaces web responsivas y móviles.

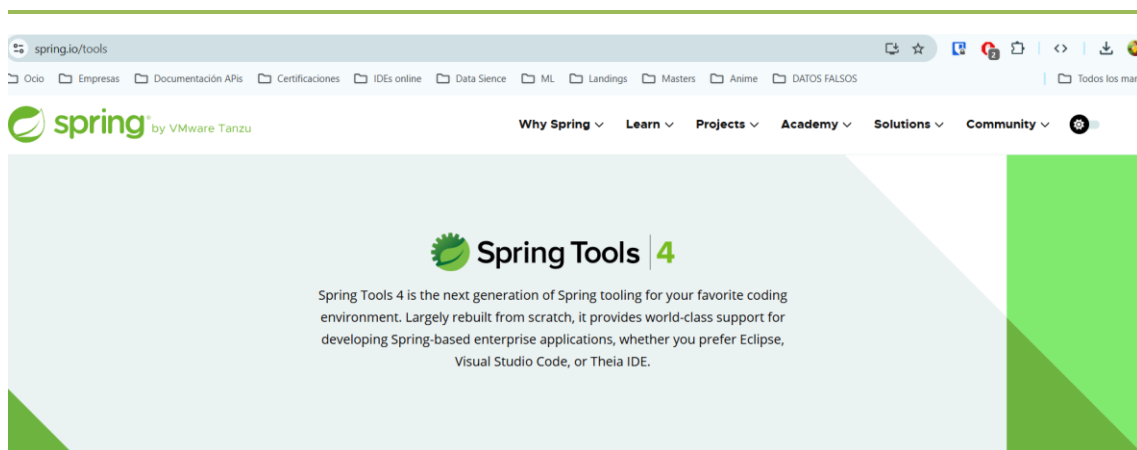
2) Desde el sitio oficial realiza la descarga, instalación si fuera necesario y configuración de las siguientes herramientas:

- IDE Spring Tools for Eclipse
- Postman
- Project Lombok

Realiza un pequeño manual de instalación y configuración de cada herramienta.

Instalación de Spring Tools Eclipse

Nos dirigiremos a [spring.io.tools](https://spring.io/tools), una vez ahí, bajaremos abajo hasta encontrar Spring tools for eclipse



Spring Tools 4 for Eclipse

The all-new Spring Tool Suite 4. Free.
Open source.

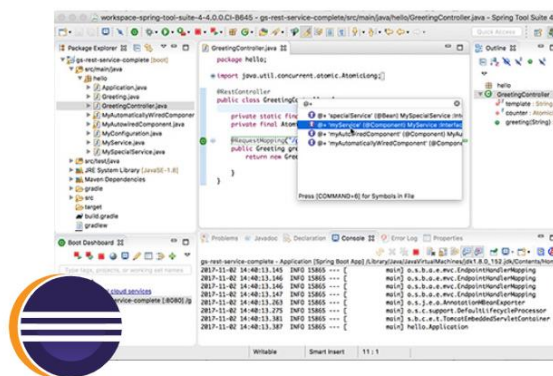
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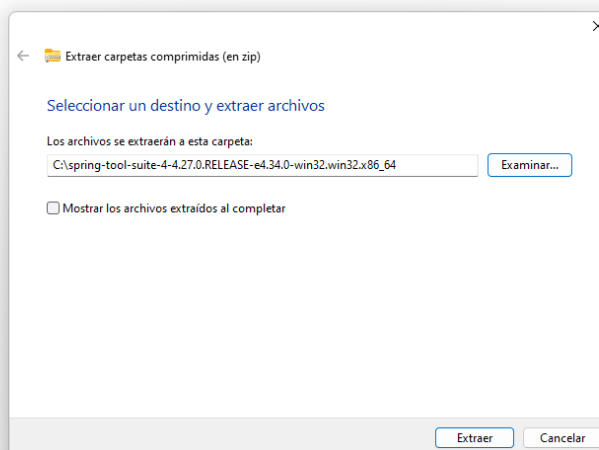
4.27.0 - WINDOWS X86_64



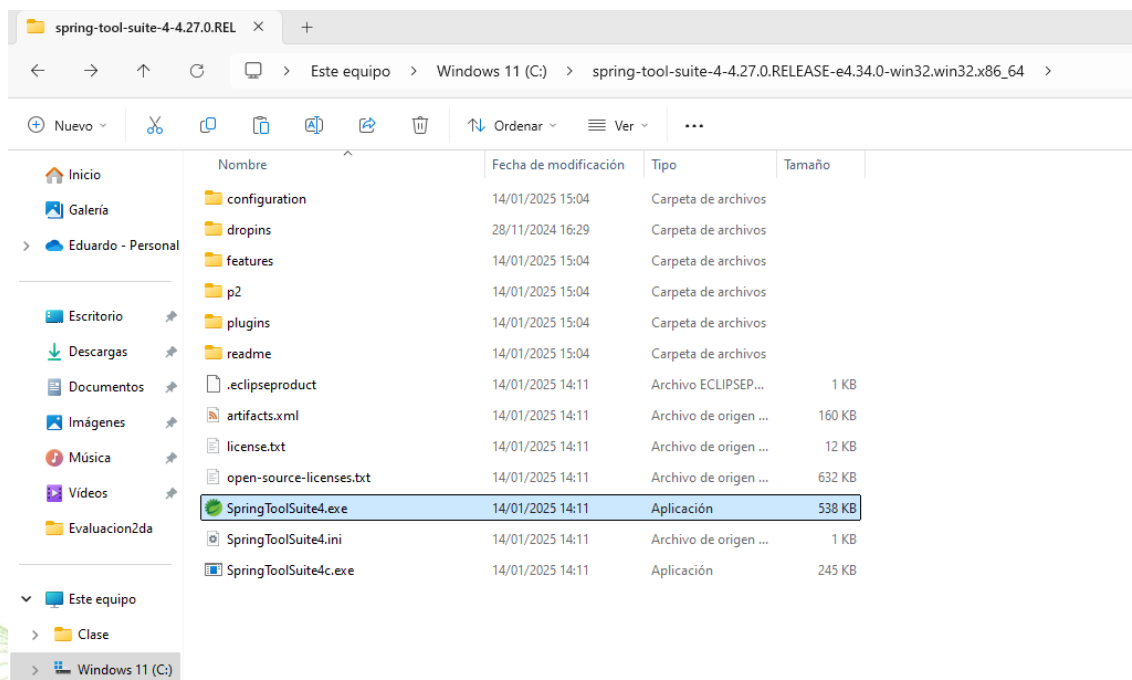
Una vez descargado, lo descomprimiremos

✓ hoy

spring-tool-suite-4-4.27.0.RELEASE-e4.34.0-win32.win... 14/01/2025 12:03 Archivo WinRAR ZIP 720.126 KB

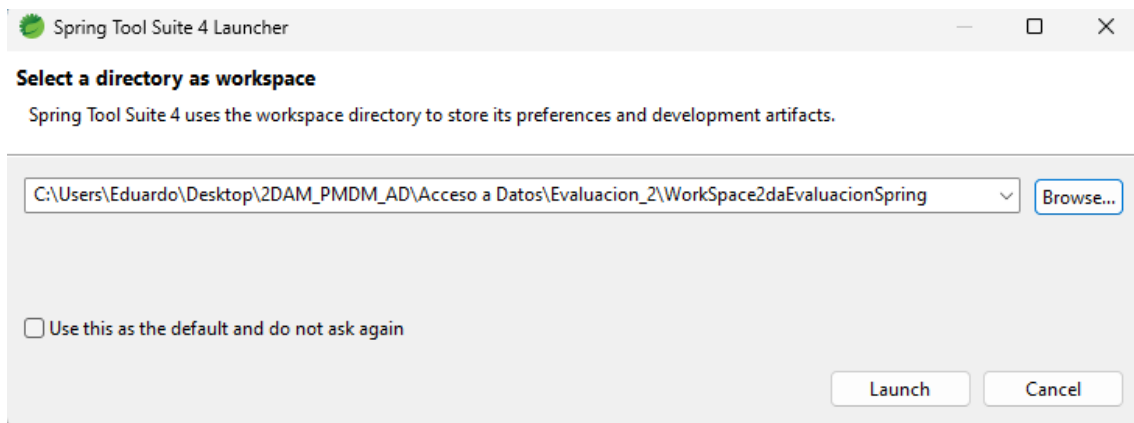


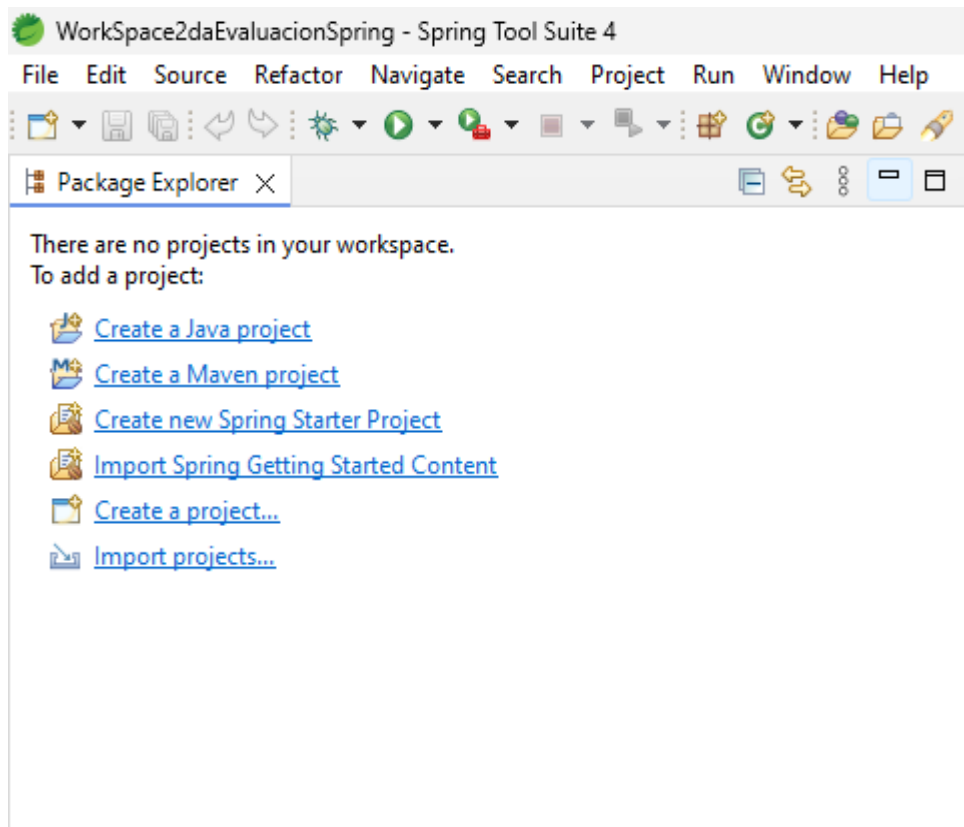
Y daremos clic en SpringToolSuite.exe





Ahora, seleccionaremos un espacio de trabajo





Instalación de Postman

Download Postman

Download the app to get started using the Postman API Platform today. Or, if you prefer a browser experience, you can try the web version of Postman.

The Postman app

Download the app to get started with the Postman API Platform.

 Windows 64-bit

By downloading and using Postman, I agree to the [Privacy Policy](#) and [Terms](#).

[Release Notes](#) →

Not your OS? Download for Mac ([Intel Chip](#), [Apple Chip](#)) or Linux ([x64](#), [arm64](#))



Working with APIs simplified with Postman

Your work email makes it easy for you to collaborate with your teammates.

Create Free Account

Already have an account? [Log In](#)

Continue with Google

Single Sign On (SSO)

Continue without an account



Working with APIs simplified with Postman

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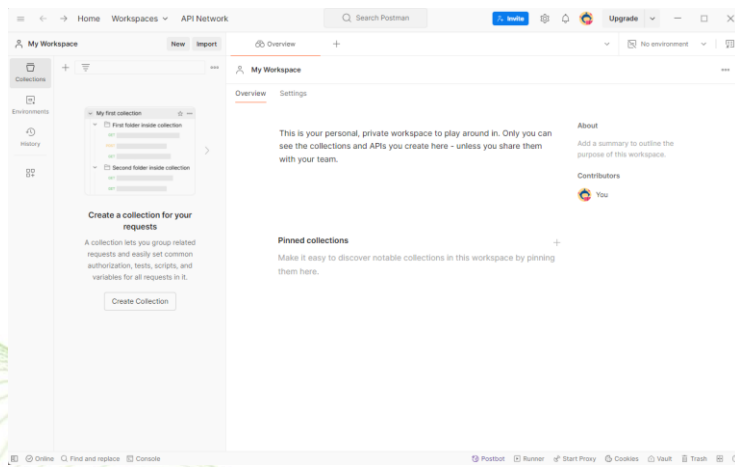
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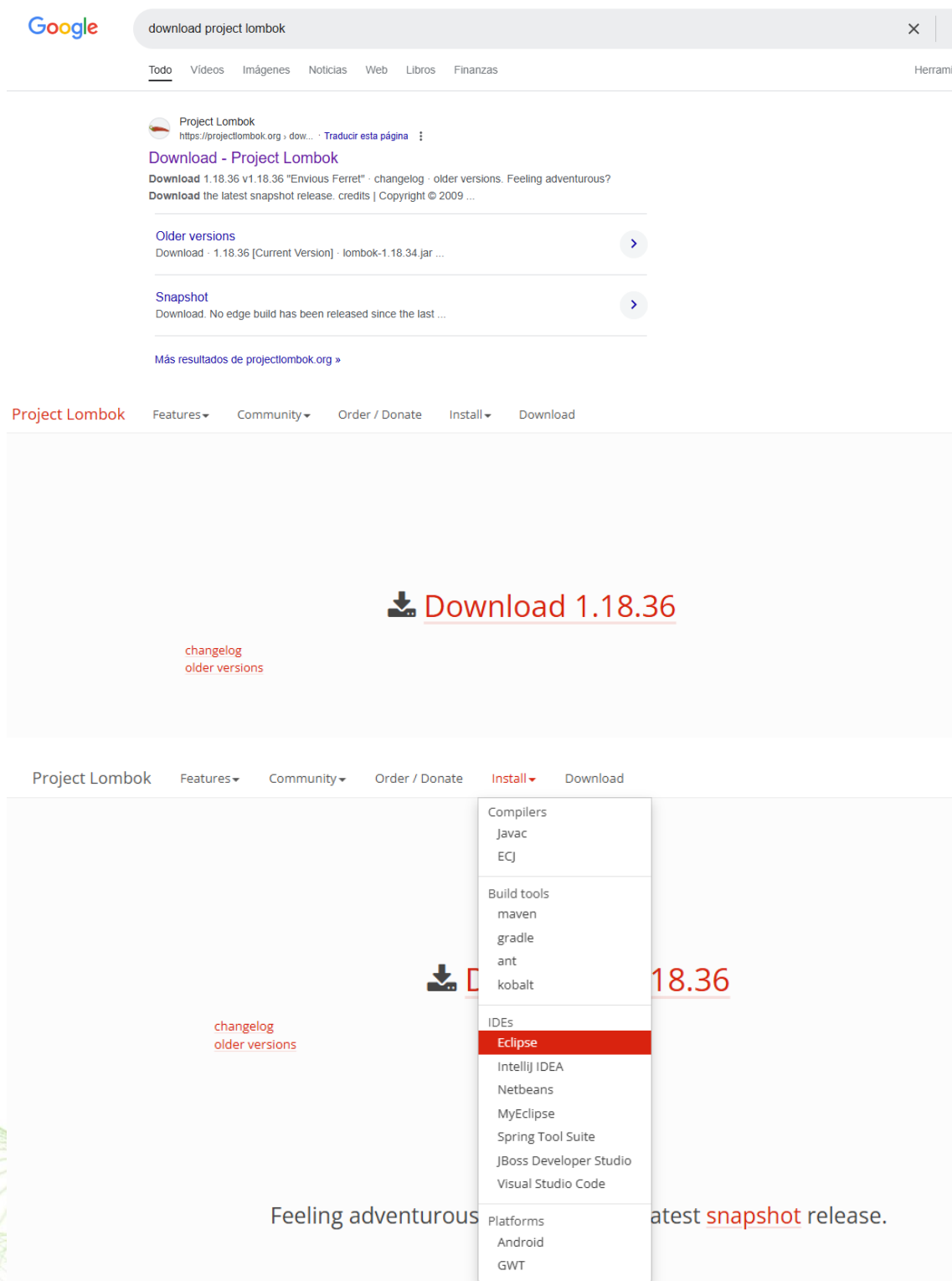
Continue with Google

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Instalación de Project Lombok



The image shows a Google search for "download project lombok" and the Project Lombok website. The search results show the Project Lombok website as the top result. The website has a navigation bar with links: Project Lombok, Features, Community, Order / Donate, Install, and Download. The main content area has a large "Download 1.18.36" button. Below the button are links for "changelog" and "older versions". A dropdown menu is open under the "Install" link, showing a list of IDEs and platforms. The "Eclipse" option is highlighted. The dropdown menu also includes "Compilers" (Javac, ECJ), "Build tools" (maven, gradle, ant, kobalt), "IDEs" (Eclipse, IntelliJ IDEA, Netbeans, MyEclipse, Spring Tool Suite, JBoss Developer Studio, Visual Studio Code), and "Platforms" (Android, GWT).

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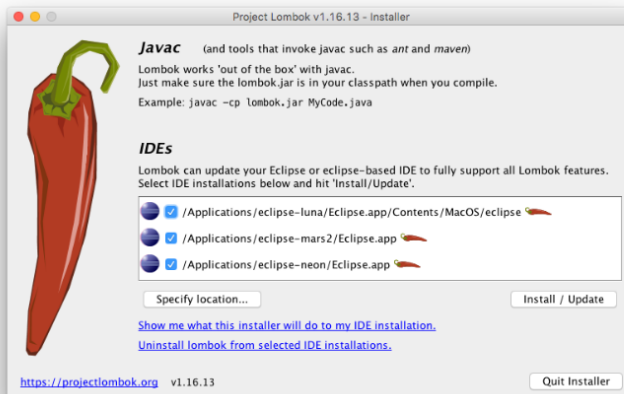
CENTRO DE ENSEÑANZA CONCERTADA
"Gregorio Fernández"

Eclipse, Spring Tool Suite, (Red Hat) JBoss Developer Studio, MyEclipse

The **Eclipse** editor is compatible with lombok. Eclipse offshoots are also compatible with lombok, specifically:

- MyEclipse
- Red Hat JBoss Developer Studio
- JBoss Developer Studio (JBDS)
- Spring Tools Suite (STS)

Double-click `lombok.jar` (downloadable from this site, or from your maven repository; it's the same jar). This starts the eclipse installer which will find eclipse (and eclipse variants as listed above), and offers to install lombok into these eclipse installations. The same tool can also uninstall lombok:



Ahora, habrá que esperar un poco a que busque los IDE instalados



Nos iremos a Marketplace de eclipse, e instalaremos el plugin que nos mandan instalar (<https://projectlombok.org/p2>) copias el link, y te vas a **Help>Install new software...**

