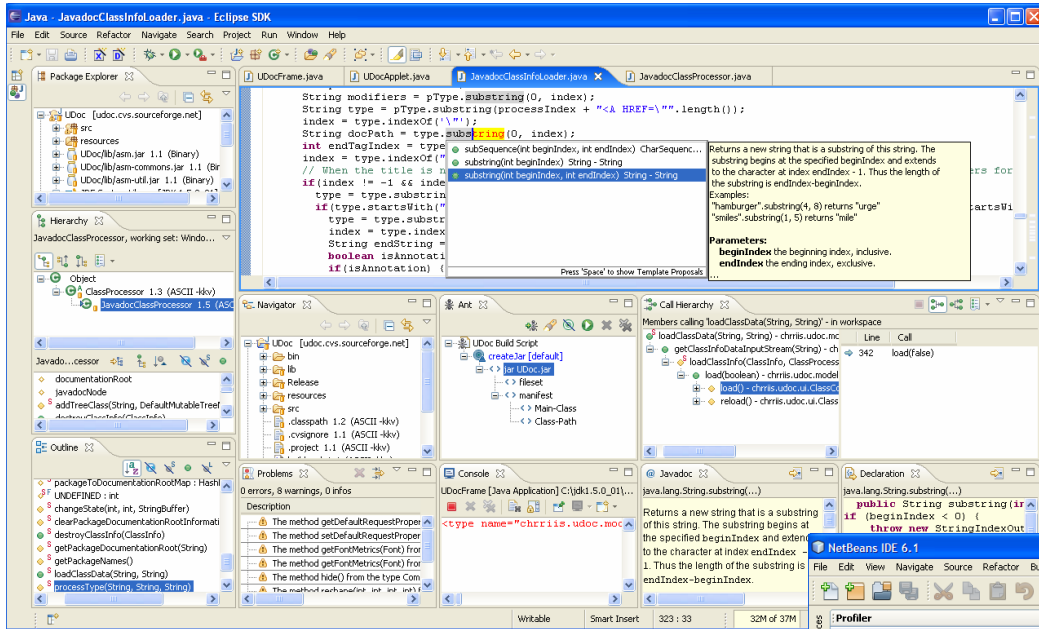


**¿DE QUÉ HERRAMIENTAS DISPONGO  
PARA DESARROLLAR EN JAVA?**

# IDEs (Integrated Development Environments) para desarrollo en Java



## ECLIPSE (.org)

Comunidad de desarrollo en código abierto

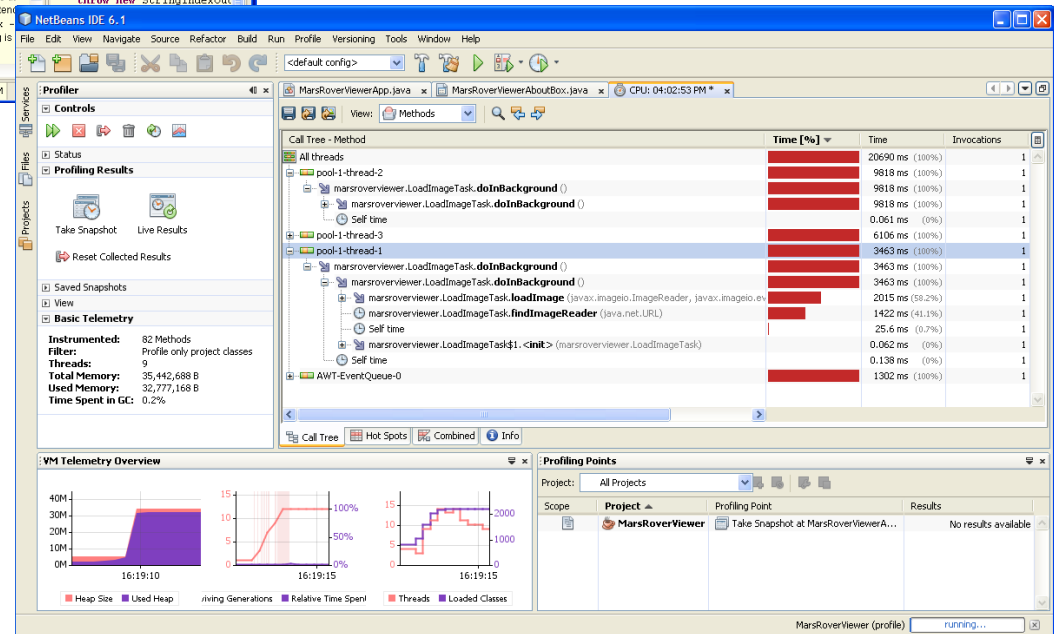
Proyectos enfocados al desarrollo de una plataforma de *marcos extensibles, herramientas* y ejecutables para construir, implantar y gestionar software a lo largo de todo su *ciclo de vida*.

Un “vibrante” y “amplio” ecosistema de grandes fabricantes de tecnología, innovadoras start-ups, universidades, instituciones de investigación y particulares.

## NETBEANS(.org)

[netbeans.apache.org/](http://netbeans.apache.org/)

Un IDE de código abierto gratis para desarrolladores de software. Proporciona todas las *herramientas* para crear aplicaciones profesionales de sobremesa, de empresa, web y móviles, con Java, C/C++, y Ruby. NetBeans es fácil de instalar y usar de inmediato, y corre en numerosas plataformas incluyendo Windows, Linux, Mac OS X y Solaris.



# Hay otros IDEs. Una defensa de Netbeans (desde el desconocimiento del resto)

- El slogan de **Netbeans** es “The only IDE you need!”, y probablemente no sea sólo un slogan sino una verdad absoluta.

**Most downloaded**

- Report [656,777]
- NetBeans OpenGL Pack [190,027]
- Ruby and Rails [101,499]
- NetBeans UML [90,755]
- Codename One [80,784]

**Top rated**

- Vi - vim editor clone
- Codename One
- Explore from here
- NB CSV Editor
- Sort line tools

**Newly added or updated**

- Spellchecker German Dictionaries
- Spellchecker French Dictionaries
- Spellchecker Spanish Dictionary
- PMD
- Spellchecker Portuguese and Brazilian Dictionaries

**Plugins catalogue**

Live Filters - select or type to filter the catalogue, filters are applied all together. There is also multi column sorting activated by 'shift' clicking column headers.

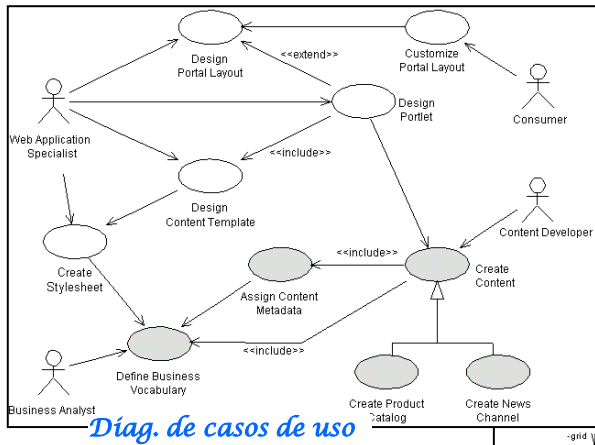
Name:  Category:  NetBeans version:  Description:  Owner:  Verified for:

Plugin name	Category	NetBeans versions	Description	Owner	Last updated	Avg. Rating	Downloaded	On UC
ResinTemplateModule	Web Applications , Utilities	7.0, 6.9	Resin Java & PHP Template	tdc.paul	2011-07-11	★★★★★ [0/5]	3422	
JSLint	Web Applications , Testing	7.3, 7.1, 7.0	The JavaScript Code Quality Tool	lomatek	2013-05-22	★★★★★ [4.51/5]	12316	7.0, 7.1, 7.3
TypoScript Support for NetBeans IDE	Web Applications , Programming Languages, Editing	7.3, 7.2	This Project aims to provide support for the TypoScript Language used by TYPO3.	dfrank	2013-04-01	★★★★★ [4.46/5]	3493	7.2, 7.3
PHP WordPress Blog/CMS	Web Applications , Programming Languages	7.4, 7.3	Support for WordPress. This plugin provides the following features. New Wordpress plugin wizard. Create theme(Underscores) action. Hyperlink navigation and code completion for filter and action function. Shortcut nodes for theme and plugin directory.	junichi11	2013-09-20	★★★★★ [4.23/5]	7483	
GW4NB	Web Applications , Programming Languages	7.3, 7.2, 7.1, 7.0	Google Web Toolkit (GWT) Support	ksfretas	2013-03-19	★★★★★ [4.33/5]	12762	7.2, 7.3
PHP Yi Framework (NetBeans PHPCC)	Web Applications , Programming Languages	7.3	Support for PHP Yi Framework. This plugin has been created by NetBeans PHP Community Council ( <a href="http://nbphpcouncil.org/">http://nbphpcouncil.org/</a> ).	junichi11	2013-07-19	★★★★★ [4.46/5]	13638	7.3
HTMLJava Project	Web Applications , Mobile Applications, Desktop Applications	7.4	Write your application logic in Java, use HTML for your UI and deploy anywhere!	Julach	2013-09-18	★★★★★ [0/5]	199	7.4
Carmesi	Web Applications , Libraries	7.0	Integrates support for Carmesi framework.	hmvictor	2011-08-04	★★★★★ [0/5]	733	
ICEfaces (Ajax for Java EE) for NetBeans 6.7	Web Applications , Graphical User Interface, Libraries	6.7	ICEfaces is a leading open source Ajax framework for Java EE. The ICEfaces Project Integration for NetBeans 6.7 provides the ICEfaces framework as an extension of the JSF Frameworks for use in NetBeans Web Projects. Supported Features: Create a new ICEfaces Web project (JSF or Facelets).	kfyten	2011-05-06	★★★★★ [3.9/5]	16015	

**Eclipse** puede ser comparable a **Netbeans** (¿superior?), pero su modelo de desarrollo es comercial, por lo que nos podemos encontrar con que una determinada capacidad que nos resulte interesante sea de pago (Actualmente no se exige el “ánimo” comercial y se sigue un esquema mixto) (nota sep.2020: la debilidad de Netbeans frente a Eclipse era la comunidad de desarrollo, cosa que ha cambiado hace poco al ser asumido por Apache –ver descargas más adelante-)

**IntelliJ IDEA** es otro gran contendiente desde que fue elegido por Google como soporte para desarrollo para Android. Esta fabricado por una compañía privada por lo que tiene sus ventajas (más conexo, menos caótico) y sus inconvenientes (menos comunidad de desarrollo, modulos de pago)

- **Jbuilder** fue importante hasta hace unos años al destacar en varios aspectos (p.ej. integración de UML), pero los esquemas de desarrollo en comunidad de **Netbeans** y **Eclipse** lo han superado (sin dejar de ser un buen entorno). (nota sep.2020: hace años que no existe siquiera la empresa –Borland- “inventora” del entorno de desarrollo con TurboPascal)
- **Java Studio** es el IDE de SUN. Los padres de la tecnología Java han luchado siempre por liderar la oferta de entornos de desarrollo para Java con interesantes iniciativas y con dedicación de medios, pero su éxito ha sido más bien escaso. Su propia consciencia de este hecho les ha llevado, desde hace varios años, a apoyar **Netbeans** “oficialmente” (es el IDE descargable como “bundle” con el kit de desarrollo de la web de SUN) sin que hayan renunciado a su propio sistema (nota sep.2020: parece haber derivado a una herramienta especializada en web-apps)

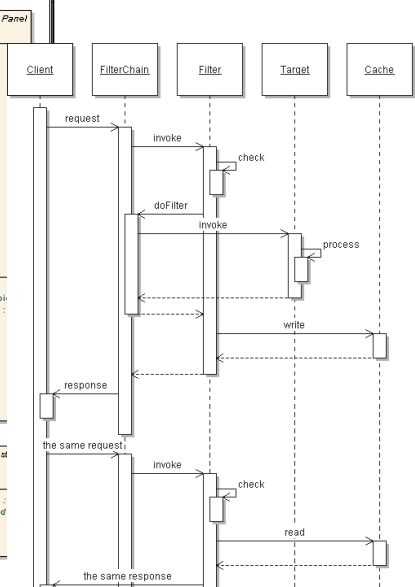


Diag. de casos de uso

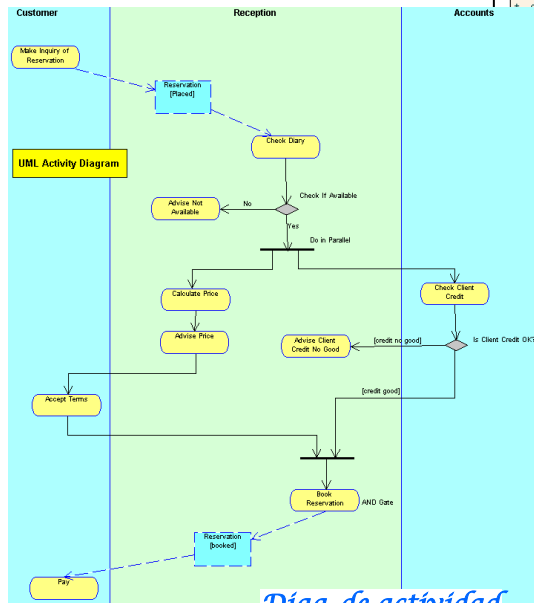
## Diag. de clases



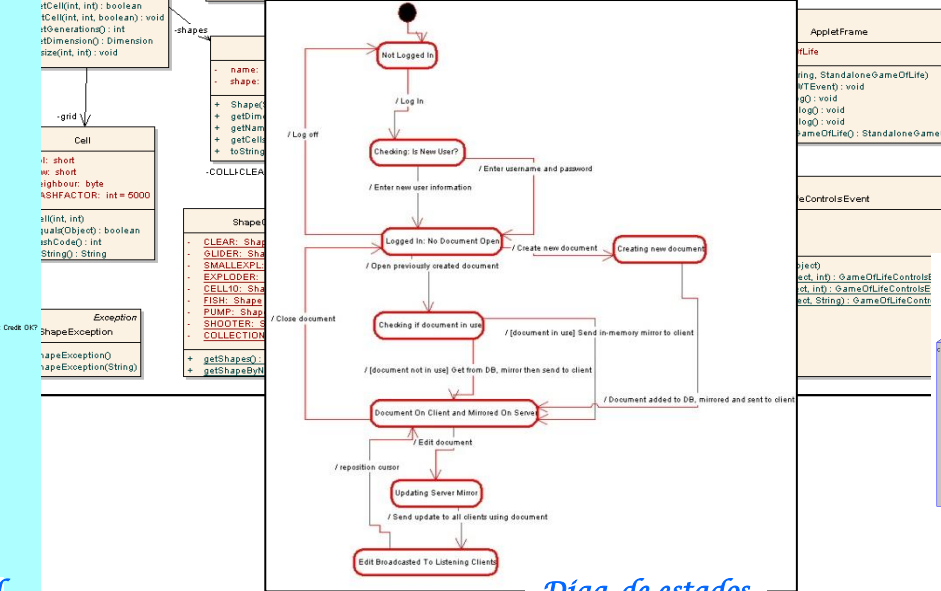
## Desarrollo mediante modelado: UML



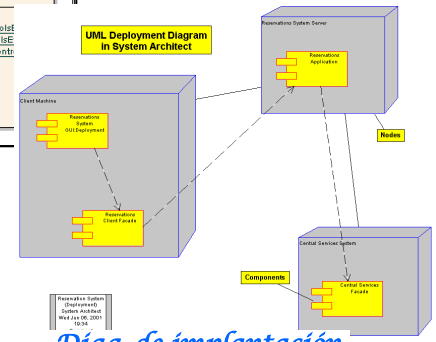
Diag. de secuencia



Diag. de actividad



Diag. de estados



Diag. de implantación

# **OBTENCIÓN E INSTALACIÓN DEL SOFTWARE**

The screenshot shows the Oracle Java website. At the top, the Oracle logo is on the left, and navigation links for 'View Accounts' and 'Contact Sales' are on the right. Below the logo, a horizontal menu lists 'Products', 'Industries', 'Resources', 'Customers', 'Partners', 'Developers', and 'Events'. The main content area has a dark background with a light blue cloud icon on the left. The headline reads 'Java Is the Language of Possibilities', followed by a sub-headline: 'Java is powering the innovation behind our digital world. Harness this potential with Java resources for student coders, hobbyists, developers, and IT leaders.' A white button below the sub-headline says 'Learn how Java powers innovation'. Below this is a navigation bar with 'Overview' and 'Technical Details' (the latter is selected and underlined). The 'Newest Downloads' section lists several Java versions: 'Java SE 19', 'Java SE 17.0.4.1 (LTS)', 'Java SE 11.0.16.1 (LTS)', 'Java SE 8u341', and 'Java Card 3.1'. Red arrows point from the 'LTS' text in the second and third items to a yellow box containing the text 'SE= Standar Edition' and 'LTS = Long Term Support'. The URL 'http://gtts.ehu.es/German' is visible in the bottom right corner of the overall image.

Terms and Conditions.

JDK 19 will receive updates under these terms, until March 2023 when it will be superseded by JDK 20.

JDK 17 will receive updates under these terms, until at least September 2024.

Java 19 **Java 17**

## Java SE Development Kit 17.0.4.1 downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications and components using the Java programming language.

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

Linux macOS **Windows**

Product/file description	File size	Download
x64 Compressed Archive	171.81 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip</a> ( sha256)
x64 Installer	152.78 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe</a> ( sha256)
x64 MSI Installer	151.66 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi</a> ( sha256)

The image shows a browser window with the Apache NetBeans Releases page. The address bar contains the URL `netbeans.apache.org/download/index.html`, which is highlighted with a red box. The page features a blue header with the Apache NetBeans logo and navigation links: Community, Participate, Blog, Get Help, Plugins, and Download. Below the header, a large blue banner displays 'Latest release Apache NetBeans 15' with a green 'Download' button. A red arrow points from this button to a yellow text box containing the instruction 'Seguir el enlace y elegir la versión para nuestra plataforma'. Below the banner, the main content area has a heading 'Apache NetBeans Releases' followed by the text 'Apache NetBeans is released four times a year. For details, see full release schedule.' Below this is another heading 'Apache NetBeans 15' with the text 'Latest version of the IDE, released on August 31, 2022.' and a green 'Download' button. A second red arrow points from the yellow text box to this button. Further down, there is a section for 'Older releases' with the text 'Older Apache NetBeans releases can still be downloaded, but are no longer supported.' and a blue 'Find out more' button. The final section is 'Daily builds and building from source' with the text 'All Apache NetBeans source code is freely available to build yourself, or you can download (unsupported) daily development builds.' and another blue 'Find out more' button.

Apache NetBeans Releases

Community Participate Blog Get Help Plugins Download

Latest release

# Apache NetBeans 15

Download

## Apache NetBeans Releases

Apache NetBeans is released four times a year. For details, see [full release schedule](#).

### Apache NetBeans 15

Latest version of the IDE, released on August 31, 2022.

Download

Seguir el enlace y elegir la versión para nuestra plataforma

### Older releases

Older Apache NetBeans releases can still be downloaded, but are no longer supported.

Find out more

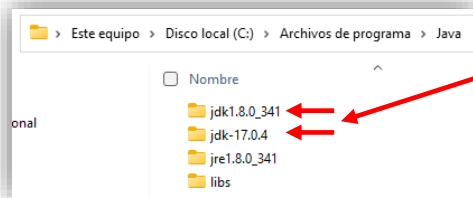
### Daily builds and building from source

All Apache NetBeans source code is freely available to build yourself, or you can download (unsupported) daily development builds.

Find out more



Una vez realizadas las descargas, procederemos a la instalación comenzando por el JDK y continuando con Netbeans.



Al “arrancar” Netbeans veremos algo semejante a esto (quizás con otro Look&Feel y con sólo la versión de JDK que se haya instalado)

