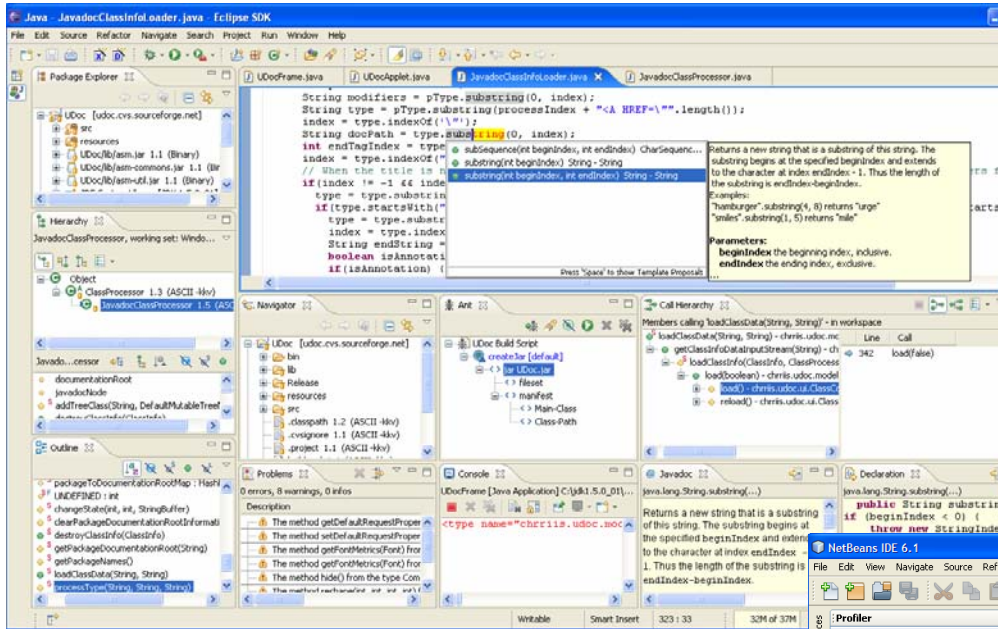


**¿DE QUÉ HERRAMIENTAS DISPONGO
PARA DESARROLLAR EN JAVA?**

IDEs (Integrated Development Environments) para desarrollo en Java



ECLIPSE (.org)

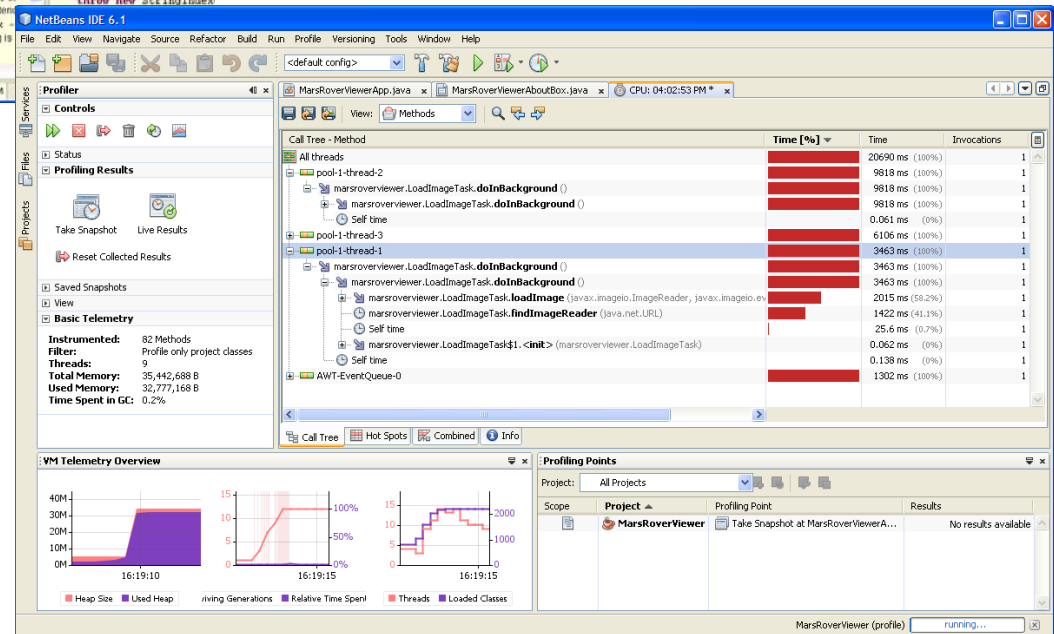
Comunidad de desarrollo en código abierto

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)

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.

The screenshot shows the NetBeans Plugin Portal interface. At the top, there's a navigation bar with 'NetBeans', 'NetBeans IDE', 'NetBeans Platform', 'Plugins', 'Docs & Support', 'Community', and 'Partners'. The main content area is titled 'Welcome to the NetBeans Plugin Portal' and includes a 'Publish Your Own Plugin' button. There are sections for 'Featured plugin - TikiOne JaCoCoverage', 'Most downloaded', 'Top rated', and 'Newly added or updated'. Below these is a 'Plugins catalogue' section with search filters and a table of plugins.

Plugin name	Category	NetBeans version	Description	Owner	Last updated	Avg. Rating	Downloaded	On UC
ResinTemplateModule	Web Applications, Utilities	7.0, 8.9	Resin Java & PHP Template	ltd paul	2011-07-11	★★★★★ [0/5]	3422	
JSLint	Web Applications, Testing	7.3, 7.1, 7.0	The JavaScript Code Quality Tool	lmatex	2013-06-22	★★★★★ [4.51/5]	12318	7.0, 7.1, 7.3
TypeScript Support for NetBeans IDE	Web Applications, Programming Languages, Editing	7.3, 7.2	This Project aims to provide support for the TypeScript Language used by TYPO3.	ofranek	2013-04-01	★★★★★ [4.46/5]	3493	7.2, 7.3
PHP WordPress BlogCMS	Web Applications, Programming Languages	7.4, 7.3	Support for WordPress This plugin provides the following features: New Wordpress Project wizard, Create theme(understore) action, Hyperlink navigation and code completion for filter and action function, Shortcut nesdes for theme and plugin directory.	junchi11	2012-09-20	★★★★★ [4.23/5]	7483	
GWT4NB	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 Yii Framework (NetBeans.PHPCC)	Web Applications, Programming Languages	7.3	Support for PHP Yii Framework. This plugin has been created by NetBeans PHP Community Council (http://phpcouncil.org/).	junchi11	2013-07-18	★★★★★ [4.48/5]	12638	7.3
HTML/Java Project	Web Applications, Mobile Applications, Desktop Applications	7.4	Write your application logic in Java, use HTML for your UI and deploy anywhere!	juhoch	2013-09-18	★★★★★ [0/5]	199	7.4
Carmesi	Web Applications, Libraries	7.0	Integrates support for Carmesi framework.	hmvictor	2011-06-04	★★★★★ [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 Facets).	kyfen	2011-01-06	★★★★★ [3.9/5]	16015	

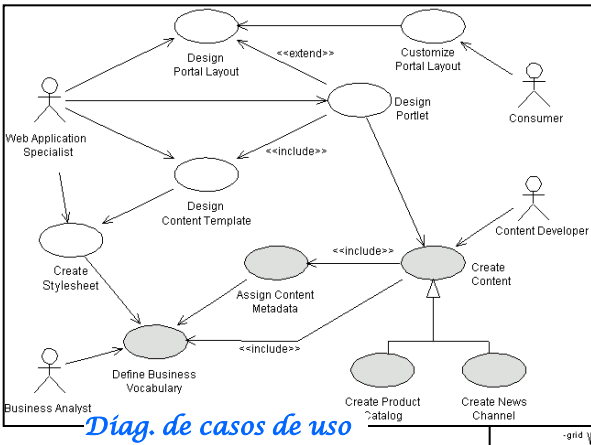
Eclipse puede ser comparable a **Netbeans** (¿superior?), pero su modelo de desarrollo es comercial, por lo que nos podemos encontrar con que una determinada capacidad que nos resulte interesante sea de pago (Actualmente no se exige el "ánimo" comercial y se sigue un esquema mixto)

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)

- **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 (¿?)

¿Desarrollo en UML?

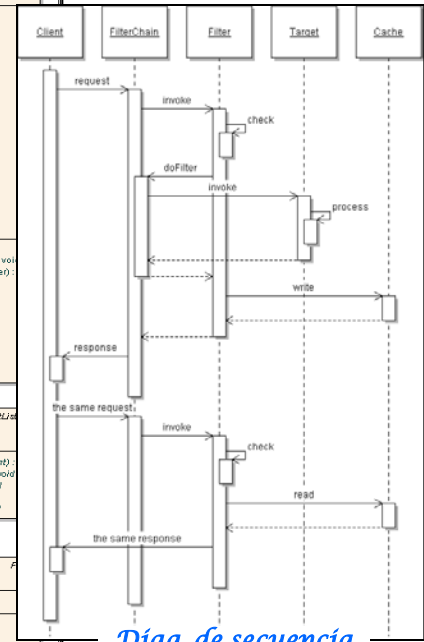


Diag. de casos de uso

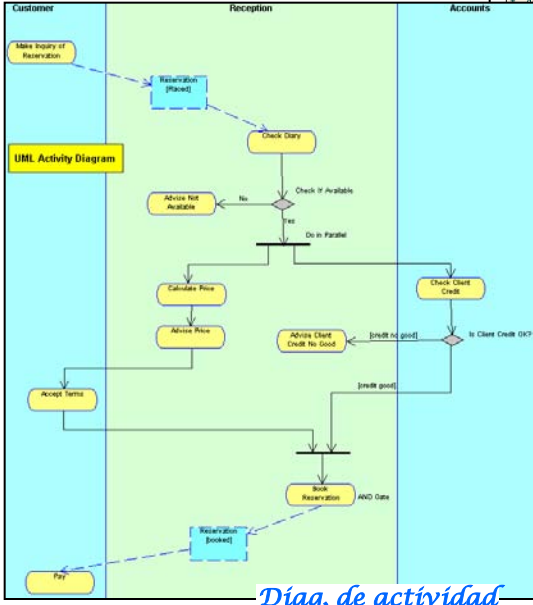
Diag. de clases



Desarrollo mediante modelado: UML



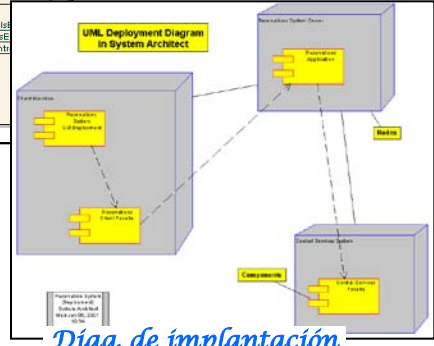
Diag. de secuencia



Diag. de actividad



Diag. de estados



Diag. de implantación

OBTENCIÓN E INSTALACIÓN DEL SOFTWARE

java.sun.com

The screenshot shows the Oracle Technology Network website. The top navigation bar includes the Oracle logo, a search bar, and links for Sign In/Register, Help, Country, Communities, I am a..., and I want to... Below this is a secondary navigation bar with links for Products, Solutions, Downloads, Store, Support, Training, Partners, and About, along with an OTN button. The main content area features a large image of two women looking at a laptop, with a text overlay for 'JavaOne San Francisco' and a 'Downloads' section. The 'Downloads' section is titled 'Software Downloads' and includes a 'View All Downloads' link. It is divided into 'Top Downloads' and 'New Downloads' columns. The 'Top Downloads' list includes Java SE, Java EE and GlassFish, JavaFX, Java ME, JDeveloper and ADF, Enterprise Pack for Eclipse, NetBeans IDE, and Pre-Built VM for Java Devs. The 'New Downloads' list includes Java SE 8 Update 101/102, Java SE Embedded 8 Update 77, Java CPU and PSU Releases Explained, and Oracle Java ME Embedded 8.2. A 'Java Downloads' button is at the bottom of the list.

The screenshot shows the 'Java SE Downloads' page. The top navigation bar is identical to the previous screenshot. The main content area has a breadcrumb trail: Oracle Technology Network > Java > Java SE > Downloads. Below this is a sidebar with a list of links for 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, and Community. The main content area has tabs for Overview, Downloads, Documentation, Community, Technologies, and Training. The 'Downloads' tab is active, showing 'Java SE Downloads'. There are two download buttons: 'Java Platform (JDK) 8u101 / 8u102' and 'NetBeans with JDK 8'. Below these is a section for 'Java Platform, Standard Edition' with a sub-section for 'Java SE 8u101 / 8u102'. A 'Java SDKs and Tools' sidebar on the right lists Java SE, Java EE and GlassFish, Java ME, and Java Card. A 'Java Resources' sidebar on the right lists Java APIs, Technical Articles, Demos and Videos, Forums, and Java Magazine. Two arrows labeled 'Modo 2' and 'Modo 1' point to the 'Java Platform (JDK) 8u101 / 8u102' and 'NetBeans with JDK 8' buttons respectively.

Oracle Technology Network > Java > Java SE > Downloads

JDK 8u101 with NetBeans 8.1

This distribution of the JDK includes the Java SE bundle of NetBeans IDE, which is a powerful integrated development environment for developing applications on the Java platform. [Learn more](#)

You must accept the JDK 8u101 and NetBeans 8.1 Cobundle License Agreement to download this software.

(1) Accept License Agreement Decline License Agreement

Java SE and NetBeans Cobundle (JDK 8u101 and NB 8.1)		
Product / File Description	File Size	Download
Linux x86	281.88 MB	jdk-8u101-nb-8_1-linux-i586.sh
Linux x64	277.86 MB	jdk-8u101-nb-8_1-linux-x64.sh
Mac OS X x64	341.04 MB	jdk-8u101-nb-8_1-macosx-x64.dmg
Windows x86	305.11 MB	jdk-8u101-nb-8_1-windows-i586.exe
Windows x64	312.08 MB	jdk-8u101-nb-8_1-windows-x64.exe

(2) [License](#)

- [Java SE 8 Readme](#)
- [NB 8.1 3rd Party Readme](#)
- [Installation Instructions](#)
- [Java SE Release Notes](#)

(1) Aceptar la licencia

(2) Descargar

((3)) Ejecutar el instalador... trivial

Modo 2

JDK e IDE
Por separado

(permite tomar
determinadas
opciones)

paso 1
JDK

Oracle Technology Network > Java > Java SE > Downloads

Overview Downloads Documentation Community Technologies Training

Java SE Development Kit 8 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, 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 8u101 Checksum
JDK 8u102 Checksum

Java SE Development Kit 8u101

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

Accept License Agreement Decline License Agreement

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.77 MB	jdk-8u101-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.72 MB	jdk-8u101-linux-arm64-vfp-hflt.tar.gz
Linux x86	160.28 MB	jdk-8u101-linux-i586.rpm
Linux x86	174.96 MB	jdk-8u101-linux-i586.tar.gz
Linux x64	158.27 MB	jdk-8u101-linux-x64.rpm
Linux x64	172.95 MB	jdk-8u101-linux-x64.tar.gz
Mac OS X	227.36 MB	jdk-8u101-macosx-x64.dmg
Solaris SPARC 64-bit	139.66 MB	jdk-8u101-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.96 MB	jdk-8u101-solaris-sparcv9.tar.gz
Solaris x64	140.33 MB	jdk-8u101-solaris-x64.tar.Z
Solaris x64	96.78 MB	jdk-8u101-solaris-x64.tar.gz
Windows x86	188.32 MB	jdk-8u101-windows-i586.exe
Windows x64	193.68 MB	jdk-8u101-windows-x64.exe

Java SE Development Kit 8u102

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

Accept License Agreement Decline License Agreement

Product / File Description	File Size	Download
Linux x86	160.35 MB	jdk-8u102-linux-i586.rpm
Linux x86	175.03 MB	jdk-8u102-linux-i586.tar.gz
Linux x64	158.35 MB	jdk-8u102-linux-x64.rpm
Linux x64	173.03 MB	jdk-8u102-linux-x64.tar.gz
Mac OS X	227.35 MB	jdk-8u102-macosx-x64.dmg
Solaris SPARC 64-bit	139.59 MB	jdk-8u102-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.98 MB	jdk-8u102-solaris-sparcv9.tar.gz
Solaris x64	140.02 MB	jdk-8u102-solaris-x64.tar.Z
Solaris x64	96.24 MB	jdk-8u102-solaris-x64.tar.gz
Windows x86	189.2 MB	jdk-8u102-windows-i586.exe
Windows x64	194.68 MB	jdk-8u102-windows-x64.exe

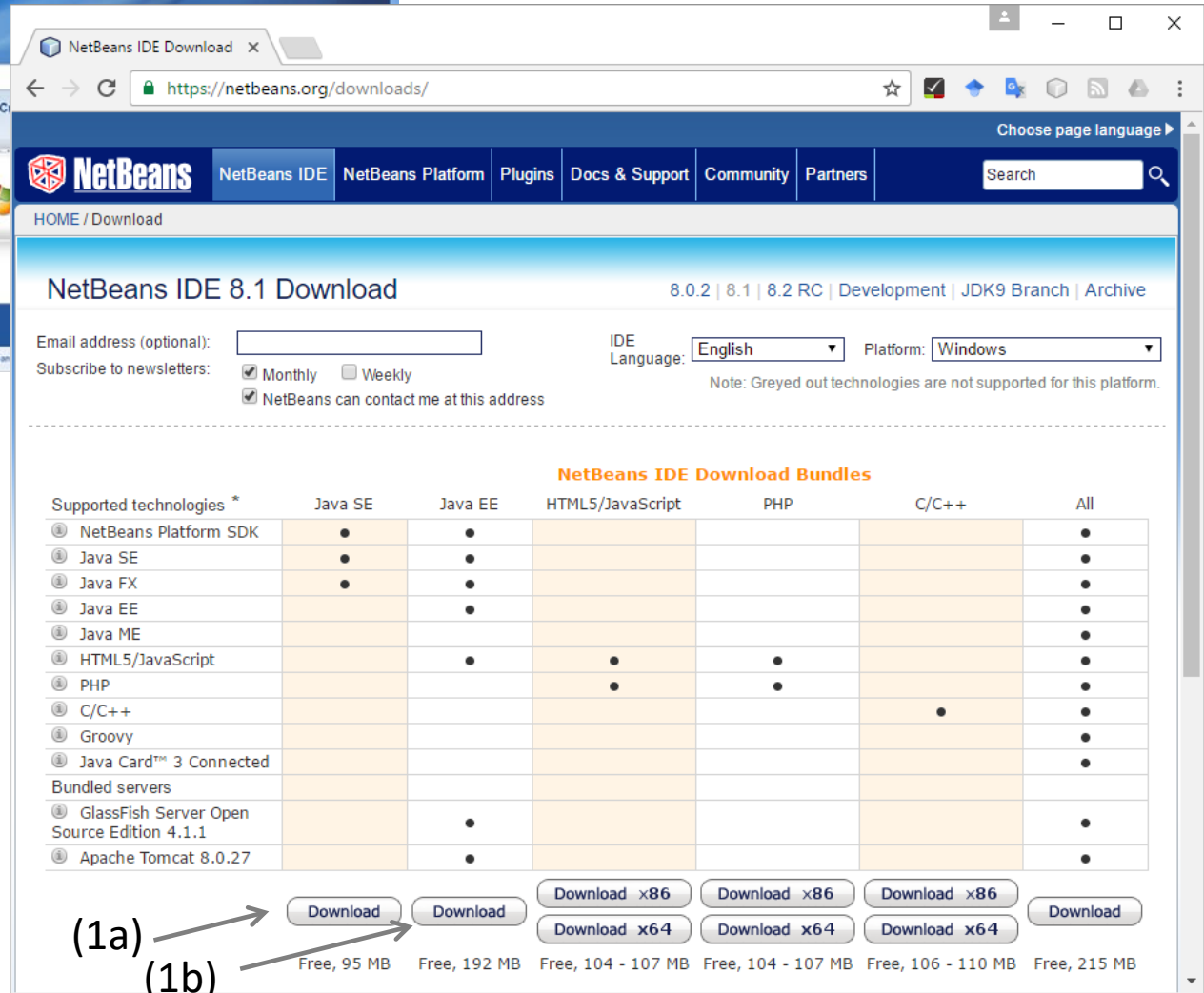
Java SE Development Kit 8u101 Demos and Samples

- (1) Aceptar la licencia
- (2) Descargar
- (3) Ejecutar el instalador... trivial

Modo 2

netbeans.org

paso 2
IDE



(1) Descargar el IDE

a) para el curso y capaz de mucho más.
O

b) para el curso y con todas las tecnologías Java disponibles (para quienes tengan inquietudes "especiales", en caso contrario sólo supone una mayor complejidad de menús y opciones.

(2) Ejecutar el instalador...

a) trivial

b) no tan trivial (por los servidores).

*En todo caso se puede instalar la versión (a) y si es preciso añadir posteriormente otras capacidades muy fácilmente.