

1 LIBGDX Instalación JDK en Ubuntu

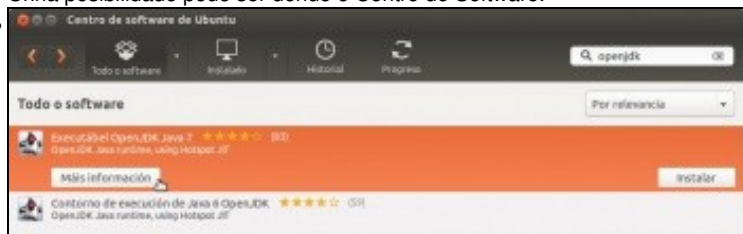
1.1 Instalación OpenJDK

- Vaise instalar a versión 7.
- En <http://openjdk.java.net> pódese obter máis información sobre esta plataforma.

- Instalación OpenJDK



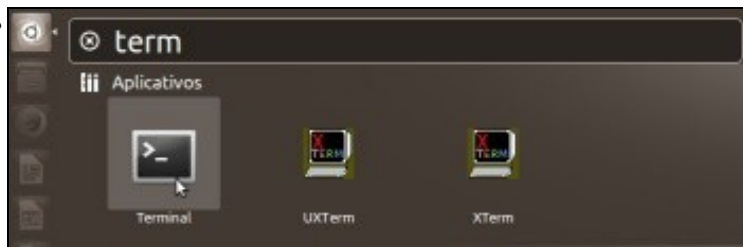
Unha posibilidade pode ser dende o Centro de Software.



Procurar OpenJDK.



Pódese marcar que se instale o paquete **icedtea-X-plugin** que é o plugin para os navegadores Web. Pero ...



... vaise instalar dende o Terminal. Premer no botón de Inicio, procurar **Terminal** e lanzalo.

```
ladmin@ubase: ~
ladmin@ubase:~$ apt-cache search openjdk
default-jdk - Standard Java or Java compatible Development Kit
default-jdk-doc - Standard Java or Java compatible Development Kit (documentation)
default-jre - Standard Java or Java compatible Runtime
default-jre-headless - Standard Java or Java compatible Runtime (headless)
icedtea-7-jre-jamvm - Alternative JVM for OpenJDK, using JanVM
icedtea-7-plugin - web browser plugin based on OpenJDK and IcedTea to execute Java applets
openjdk-7-doc - OpenJDK Development Kit (JDK) documentation
openjdk-7-jdk - OpenJDK Development Kit (JDK)
openjdk-7-jre - OpenJDK Java runtime, using Hotspot JIT
openjdk-7-jre-headless - OpenJDK Java runtime, using Hotspot JIT (headless)
openjdk-7-jre-l1b - OpenJDK Java runtime (architecture independent libraries)
openjdk-7-source - OpenJDK Development Kit (JDK) source files
openjdk-7-dbg - Java runtime based on OpenJDK (debugging symbols)
openjdk-7-demo - Java runtime based on OpenJDK (demos and examples)
java-package - Utility for creating Java Debian packages
freemind - Java Program for creating and viewing Mindmaps
icedtea-6-jre-cacao - Alternative JVM for OpenJDK, using Cacao
```

Con **apt-cache search openjdk** vense os paquetes dispoñibles. Entre eles, o mencionado **icedtea-X-plugin** e o metapaqquete **default-jdk**, que sempre vai instalar a versión máis recente do JDK de OpenJDK.

```
ladmin@ubase: ~
ladmin@ubase:~$ sudo apt-get install default-jdk icedtea-7-plugin
[sudo] password for ladmin:
```

Executar **sudo apt-get install default-jdk icedtea-7-plugin** para instalar os dous paquetes.

```
ladmin@ubase: ~
openjdk-7-jre openjdk-7-jre-headless openjdk-7-jre-lib tzdata-java
x11proto-core-dev x11proto-input-dev x11proto-kb-dev xorg-sgml-doctools
xtrans-dev
Paquetes suxeridos:
equivs libbonobo2-bin desktop-base libgnomevfs2-bin libgnomevfs2-extra gamin
fan gnome-mime-data libice-doc libsm-doc libxcb-doc libxt-doc openjdk-7-demo
openjdk-7-source visualvm sun-java6-fonts fonts-ipafont-gothic
fonts-ipafont-mincho ttf-telugu-fonts ttf-oriya-fonts ttf-kannada-fonts
ttf-bengali-fonts
Os seguintes paquetes NOVOS hanse instalar:
ca-certificates-java default-jdk default-jre default-jre-headless
fonts-dejavu-extra icedtea-7-jre-jamvm icedtea-7-plugin icedtea-netx
icedtea-netx-common java-common libatk-wrapper-java libatk-wrapper-java-jni
libbonobo2-0 libbonobo2-common libconf2-4 libgif4 libgnome2-0 libgnome2-bin
libgnome2-common libgnomevfs2-0 libgnomevfs2-common libice-dev libidl-common
libidl0 liborbit2 libpthread-stubs0 libpthread-stubs0-dev libsm-dev
libx11-dev libx11-doc libxau-dev libxcb1-dev libxdmcp-dev libxt-dev
openjdk-7-jdk openjdk-7-jre openjdk-7-jre-headless openjdk-7-jre-lib
tzdata-java x11proto-core-dev x11proto-input-dev x11proto-kb-dev
xorg-sgml-doctools xtrans-dev
0 anovados, 44 instalados, Vanse retirar 0 e deixar 11 sen anovar.
Ten que recibir 67,1 MB de arquivos.
Despois desta operación ocuparanse 113 MB de disco adicionais.
Quere continuar [S/n]?
```

Información sobre o que se vai instalar. Indicar que Si se desexa continuar.

```
ladmin@ubase: ~
ladmin@ubase:~$ javac -version
javac 1.7.0_25
ladmin@ubase:~$ java -version
java version "1.7.0_25"
OpenJDK Runtime Environment (IcedTea 2.3.12) (7u25-2.3.12-4ubuntu3)
OpenJDK 64-Bit Server VM (build 23.7-b01, mixed mode)
ladmin@ubase:~$
```

Comprobación das versións do compilador de Java (**javac -version**) e da MV de Java (JRE) (**java -version**).