

# Universidad Autónoma del Estado de Hidalgo

Escuela Superior Huejutla





Área Académica: Sistemas Computacionales

Tema: Instalación de JDK de Java en Ambiente Linux- Ubuntu

Profesor: José Nahú Redondo Nava

Periodo: Julio - Diciembre 2012

**Keywords:** Cybernetics, Computer science, Computer applications, Computational linguistics, Computer programming.





# Tema: Instalación de JDK de Java en Ambiente Linux- Ubuntu

## *Resumen*

*El presente contenido, ilustra la instalación de Kit de Desarrollo de Java (JDK), en ambiente linux-Ubuntu. Es importante que los alumnos de Sistemas Computacionales, tengan las competencias específicas para el manejo de plataformas de desarrollo libre, además de ejercer la portabilidad y la independencia de plataforma que nos brinda Java.*

**Keywords:** Cibernética, Ciencias Computacionales, Aplicaciones por Computadora, Lingüística Computacional, Programación informática.





## Topic: Installing Java JDK on Linux-Ubuntu environment

### *Abstract*

This content illustrates the installation of Java Development Kit (JDK) in Linux-Ubuntu environment. It is important for students of Computer Systems, with specific skills for managing open development platforms, in addition to exercising the portability and Independence gives us deplataforma Java.

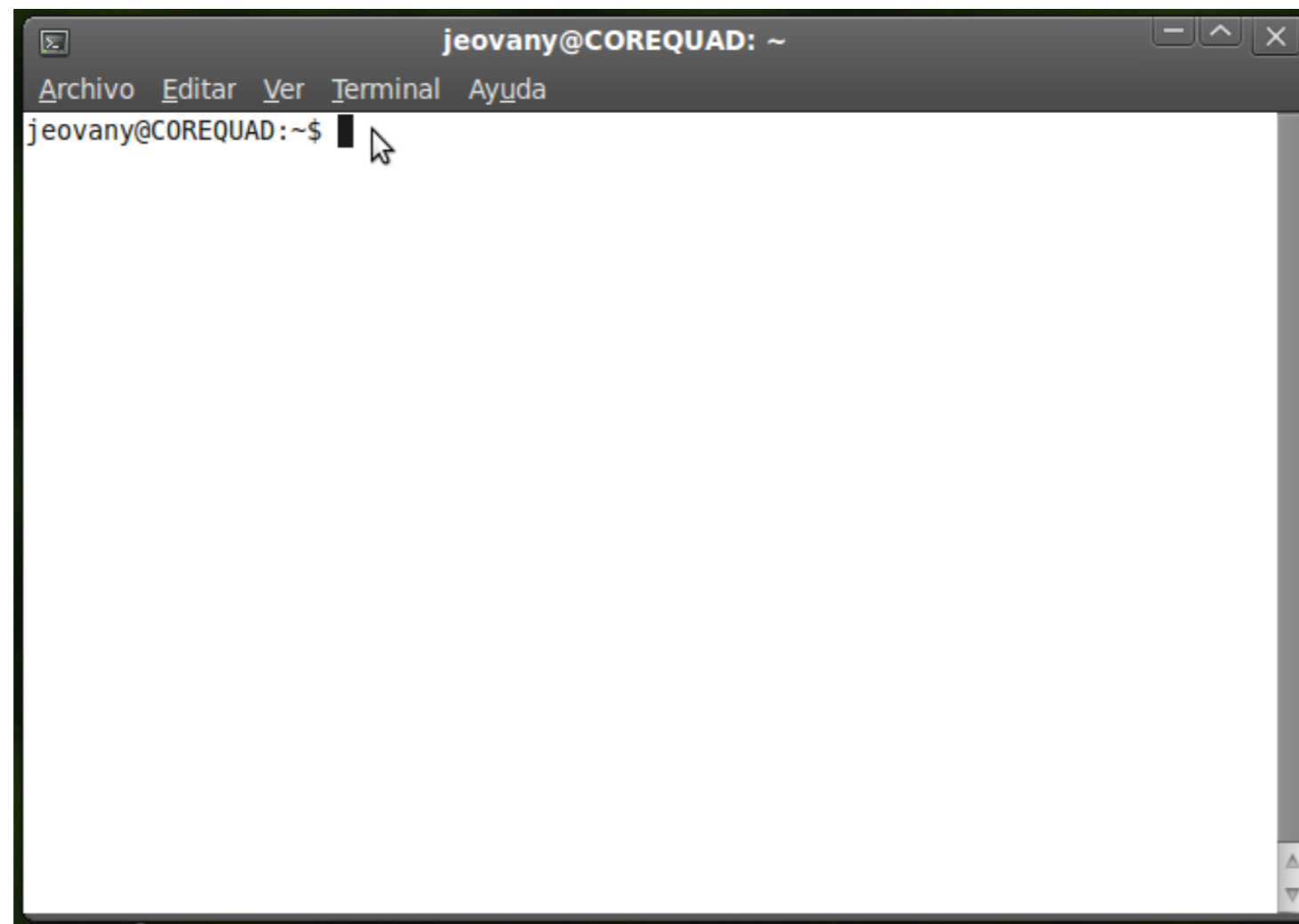
**Keywords:** Cybernetics, Computer Science, Computer Applications, Computational Linguistics, Computer Programming



1.- En Ubuntu 9.14, abrimos la terminal de comandos



1.- Esta aplicación integrada en todos los sistemas Linux, nos permite ejecutar comandos línea por línea a fin de realizar tareas de configuración o de instalación de más aplicaciones





3.- Otra forma sencilla de instalar el **JRE6** o el **JDK6**, es usar los repositorios oficiales de Ubuntu. Para ello, simplemente debemos instalar desde los repositorios los paquetes **sun-java6-bin**, **sun-java6-jre** y **sun-java6-jdk**, respectivamente.





1.- Le damos permisos de ejecución al archivo (cambiar **jre** por **jdk** si es el caso) y lo ejecutamos para instalarlo.

```
$ chmod +x jre-6-linux-i586.bin  
$ sudo ./jre-6-linux-i586.bin
```







```
jeovany@COREQUAD: ~/Escritorio
Archivo Editar Ver Terminal Ayuda
jeovany@COREQUAD:~$ cd Escritorio
jeovany@COREQUAD:~/Escritorio$ ls
jdk-6u16-linux-i586.bin      Pantallazo-1.png
jdk-6u16-linux-i586-rpm.bin  Pantallazo.png
jeovany@COREQUAD:~/Escritorio$ chmod +x jdk-6u16-linux-i586.bin
jeovany@COREQUAD:~/Escritorio$ sudo ./jdk-6u16-linux-i586.bin
[sudo] password for jeovany:
Sun Microsystems, Inc. Binary Code License Agreement

for the JAVA SE DEVELOPMENT KIT (JDK), VERSION 6

SUN MICROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE THE
SOFTWARE IDENTIFIED BELOW TO YOU ONLY UPON THE CONDITION
THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY
CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS
(COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT
CAREFULLY. BY USING THE SOFTWARE YOU ACKNOWLEDGE THAT
YOU HAVE READ THE TERMS AND AGREE TO THEM. IF YOU ARE
AGREEING TO THESE TERMS ON BEHALF OF A COMPANY OR OTHER
LEGAL ENTITY, YOU REPRESENT THAT YOU HAVE THE LEGAL
AUTHORITY TO BIND THE LEGAL ENTITY TO THESE TERMS. IF
YOU DO NOT HAVE SUCH AUTHORITY, OR IF YOU DO NOT WISH
TO BE BOUND BY THE TERMS, THEN YOU MUST NOT USE THE
SOFTWARE ON THIS SITE OR ANY OTHER MEDIA ON WHICH THE
SOFTWARE IS CONTAINED.

1. DEFINITIONS. "Software" means the identified above in
binary form, any other machine readable materials
(including, but not limited to, libraries, source files,
header files, and data files), any updates or error
--Más--
```





Instalación de JDK

- Seguimos las instrucciones que van apareciendo en pantalla, que son 2 o 3.
- Movemos la carpeta creada después de la instalación (llamada jre1.6.0) a una más apropiada:

```
$ sudo mv jre1.6.0 /usr/lib/jvm
```





## Instalación de JDK

```
jeovany@COREQUAD: ~/Escritorio
Archivo Editar Ver Terminal Ayuda
such notice shall include the following information: (1)
title of Publication, (2) author(s), (3) date of
Publication, and (4) ISBN or ISSN numbers. Such notice
shall be sent to Sun Microsystems, Inc., 4150 Network
Circle, M/S USCA12-110, Santa Clara, California 95054,
U.S.A , Attention: Contracts Administration.

F. Source Code. Software may contain source code that,
unless expressly licensed for other purposes, is provided
solely for reference purposes pursuant to the terms of this
Agreement. Source code may not be redistributed unless
expressly provided for in this Agreement.

G. Third Party Code. Additional copyright notices and
license terms applicable to portions of the Software are
set forth in the THIRDPARTYLICENSEREADME.txt file. In
addition to any terms and conditions of any third party
opensource/freeware license identified in the
THIRDPARTYLICENSEREADME.txt file, the disclaimer of
warranty and limitation of liability provisions in
paragraphs 5 and 6 of the Binary Code License Agreement
shall apply to all Software in this distribution.

H. Termination for Infringement. Either party may terminate
this Agreement immediately should any Software become, or
in either party's opinion be likely to become, the subject
of a claim of infringement of any intellectual property
right.

I. Installation and Auto-Update. The Software's
installation and auto-update processes transmit a limited
amount of data to Sun (or its service provider) about those
specific processes to help Sun understand and optimize
them. Sun does not associate the data with personally
identifiable information. You can find more information
about the data Sun collects at http://java.com/data/.

For inquiries please contact: Sun Microsystems, Inc., 4150
Network Circle, Santa Clara, California 95054, U.S.A.

Do you agree to the above license terms? [yes or no]
yes
```





1.- Establecemos el nuevo Java como una de las "alternativas de java":

```
$ sudo update-alternatives --install "/usr/bin/java" "java" "/usr/lib/jvm/jre1.6.0/bin/java" 1
```



1.- Ahora establecemos la "nueva alternativa" como la real de Java. Este paso hace que la versión de sun sea la usada por defecto :

```
$ sudo update-alternatives --set java /usr/lib/jvm/jre1.6.0/bin/java
```



1.- Para comprobar si tenemos la versión 1.6.0, tecleamos en la terminal:

```
$ java -version  
java version "1.6.0"  
Java(TM) SE Runtime Environment (build 1.6.0-b105)  
Java HotSpot(TM) Client VM (build 1.6.0-b105, mixed mode)
```





## Bibliografía

1. Como Programar en Java
  - H.M. Deitel P.J. Deitel
  - Deitel & Associates.
  - Séptima Edición
  - MEXICO, 2008

