

Entornos de Desarrollo

U2-E1-v2

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1º DAM

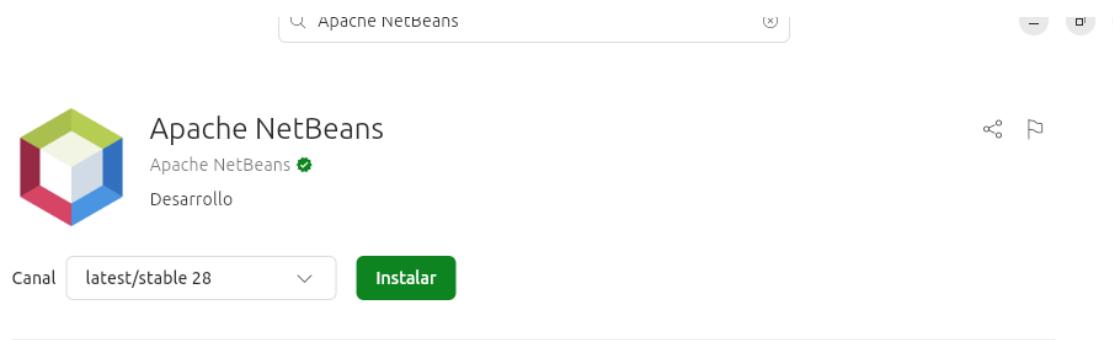
1. Instalación del JDK

- Comando sudo su (para trabajar con el usuario root)
- apt update (para actualizar paquetes)
- sudo apt install default-jdk

```
fleming@ENDES24:~/Escritorio$ sudo su
[sudo] contraseña para fleming:
root@ENDES24:/home/fleming/Escritorio# apt update
Des:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Obj:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Des:3 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Des:4 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Des:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1.31
1 kB]
Des:6 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1.5
88 kB]
Des:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [216
kB]
Des:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21
,5 kB]
Des:9 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages
[2.146 kB]
Des:10 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-e
n [488 kB]
Des:11 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Compone
nts [208 B]
Des:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages
[909 kB]
Des:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en
```

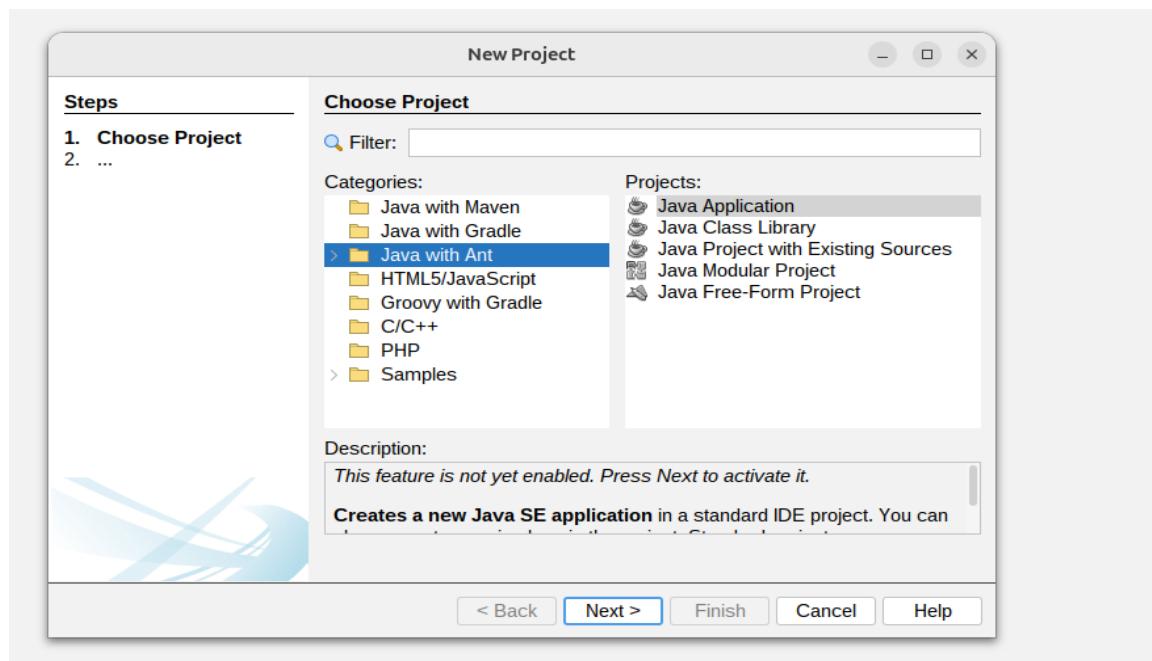
```
eyendo la información de estado... Hecho
e pueden actualizar 89 paquetes. Ejecute «apt list --upgradable» para verlos.
root@ENDES24:/home/fleming/Escritorio# sudo apt insatll default-jdk
```

2. Instalación de NetBeans

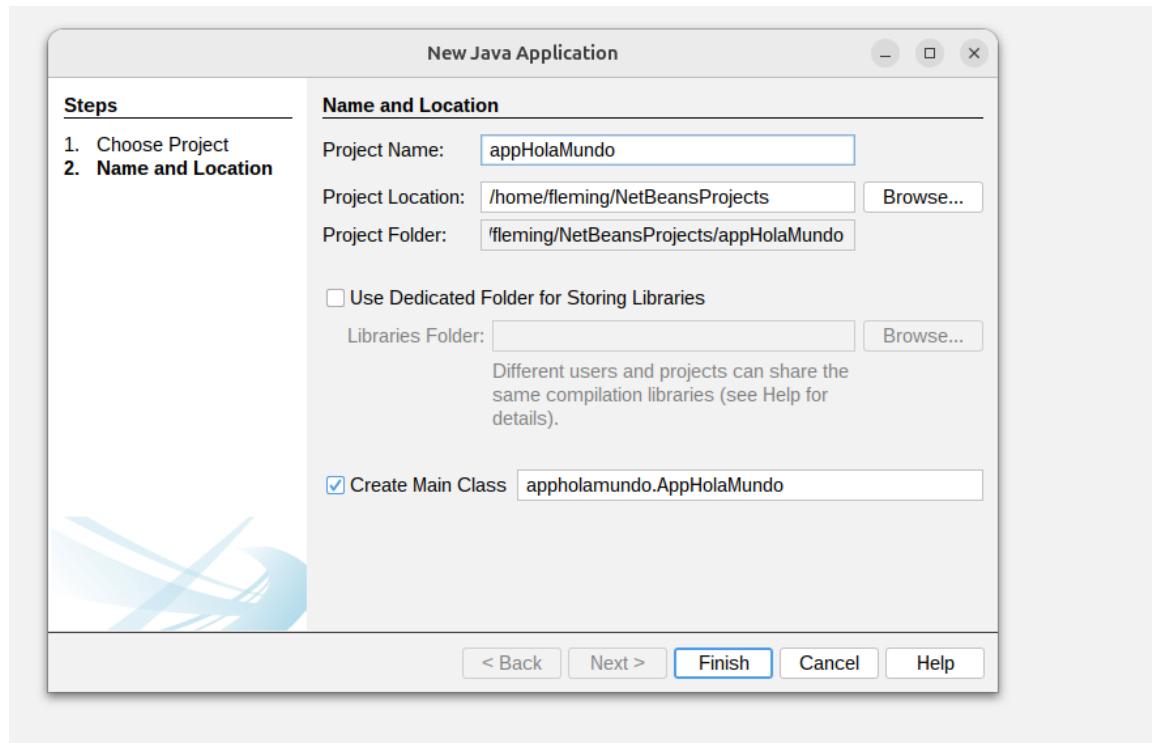


3. Creación del proyecto “Hola Mundo”

Seleccionamos la tecnología : Java with Ant, proyecto: Java Application



Llamamos al nuevo proyecto: appHolaMundo



Nos genera un fichero java, y que por defecto ya genera código, un paquete y una clase con el nombre appHolaMundo.

Nos indica la falta de punto y coma al final.



The screenshot shows a Java code editor window titled "AppHolaMundo.java". The code is as follows:

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4   */
5  package appholamundo;
6
7  /**
8   *
9   * @author fleming
10  */
11 public class AppHolaMundo {
12
13     /**
14      * @param args the command line arguments
15     */
16     public static void main(String[] args) {
17         System.out.println("HolaMUNDO");
18     }
19
20 }
21
```

A red exclamation mark icon is located at the end of the line "System.out.println("HolaMUNDO");". The line is highlighted with a yellow background, indicating a syntax error.

Corregimos el error y ejecutamos el proyecto.

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** The title bar displays "AppHolaMundo.java x".
- Toolbar:** The toolbar contains various icons for file operations like Open, Save, Find, and Print.
- Source Tab:** The "Source" tab is selected, showing the Java code.
- Code Area:** The code area displays the following Java code:

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to c
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this tem
4   */
5  package appholamundo;
6
7  /**
8   *
9   * @author fleming
10  */
11 public class AppHolaMundo {
12
13     /**
14      * @param args the command line arguments
15     */
16     public static void main(String[] args) {
17         System.out.println("HolaMUndo");
18     }
19
20 }
21
```

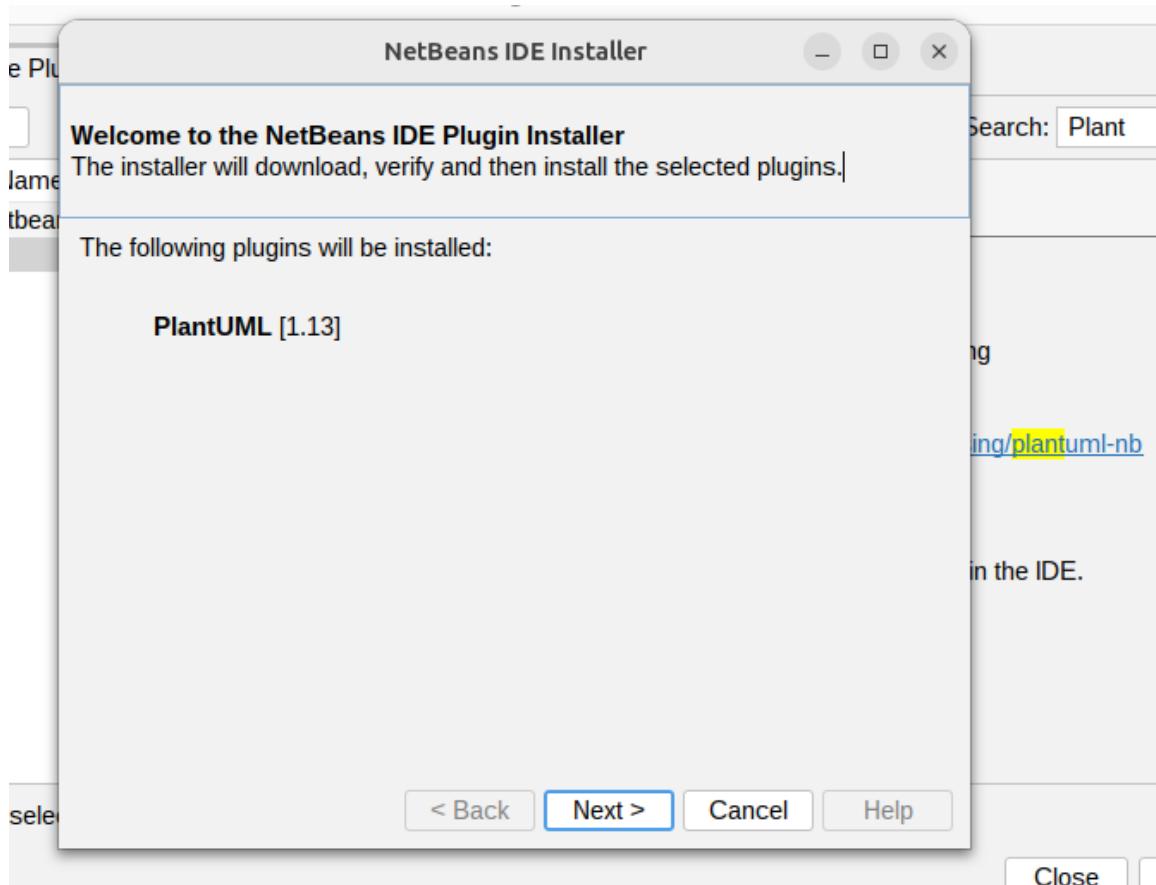
Resultado del código

```
run:  
HolaMUndo  
BUILD SUCCESSFUL (total time: 0 seconds)
```

4. Instalación de plugins ONLINE (PlantUML)

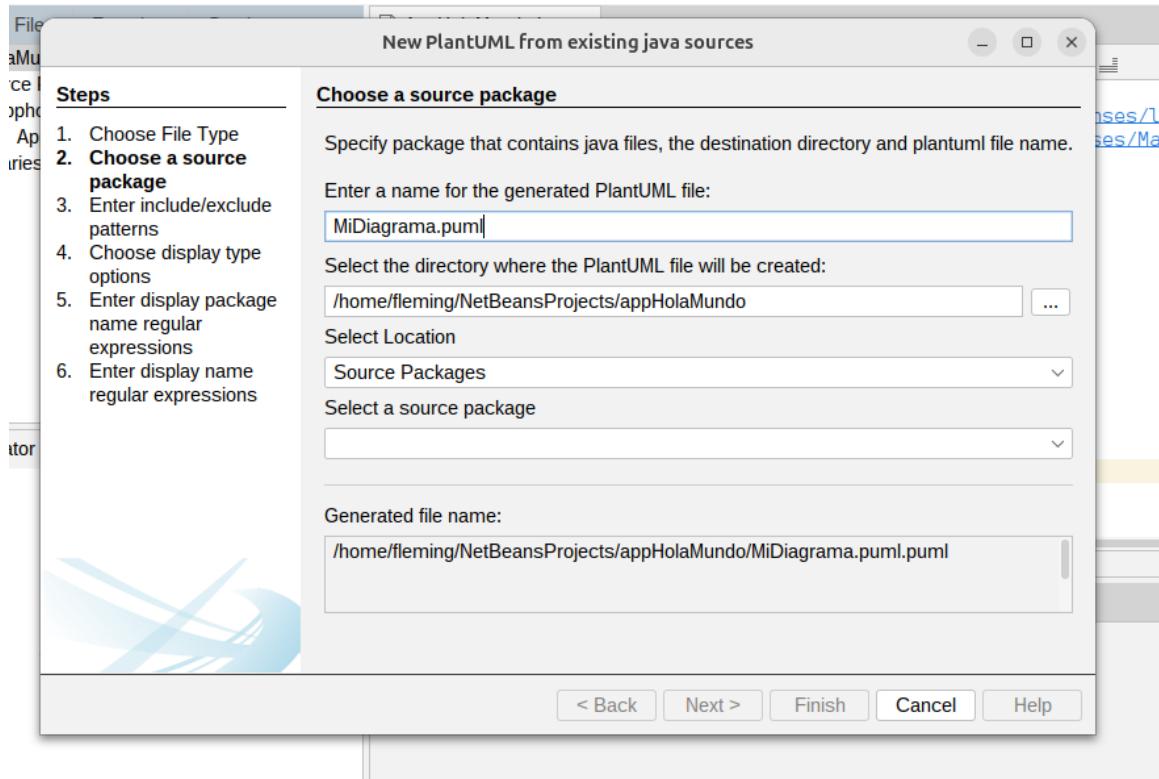
Vamos a Tools→ Plugins → Available Plugins.

Buscamos PlantUML y lo instalamos



Abrimos un nuevo archivo. Seleccionamos OTHER → PlantUML.

Ponemos nombre al archivo y finalizamos.



Nos abrirá un editor de texto dentro de NetBeans.

The screenshot shows the NetBeans IDE interface. On the left, there is a tree view of project files. In the center, there are two tabs: "AppHolaMundo.java" and "MiDiagrama.puml.puml". The "Source" tab is selected for the Java file, displaying the following code:

```
1 @startuml
2 class appholamundo.AppHolaMundo{
3 -field1
4 #field2
5 ~method1()
6 +method2()
7 }
8 @enduml
```

To the right of the tabs, there is a toolbar with various icons for file operations like cut, copy, paste, and search. Below the toolbar, there is a status bar showing the path "MiDiagrama.pu".

On the far right, there is a vertical panel containing several lines of text in green, which appear to be error messages or logs:

```
Dot Exec
Dot exec
Cannot fi
@startur
testdot
@endum
or
java -jar |
```