

Tarea: Instalación JDK

Módulo: Despliegue de aplicaciones Web

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1. Instalar Java JDK 8:

Comandos:

```
sudo apt update  
sudo apt install openjdk-8-jdk -y
```

```
brais@LAPTOP-IQ2ELBIP:~$ sudo apt install openjdk-8-jdk -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:
```

Java -version

```
brais@LAPTOP-IQ2ELBIP:~$ java -version  
openjdk version "1.8.0_452"  
OpenJDK Runtime Environment (build 1.8.0_452-8u452-ga~us1-0ubuntu1~24.04-b09)  
OpenJDK 64-Bit Server VM (build 25.452-b09, mixed mode)
```

2. Crear usuario para WildFly

Comandos:

```
sudo useradd -r -s /sbin/nologin wildfly
```

```
cd /opt
```

```
brais@LAPTOP-IQ2ELBIP:~$ sudo useradd -r -s /sbin/nologin wildfly  
brais@LAPTOP-IQ2ELBIP:~$ cd /opt  
brais@LAPTOP-IQ2ELBIP:/opt$ wget https://github.com/wildfly/wildfly/releases/download/19.0.0.Final/wildfly-19.0.0.Final.tar.gz  
--2025-05-13 20:06:35-- https://github.com/wildfly/wildfly/releases/download/19.0.0.Final/wildfly-19.0.0.Final.tar.gz  
Resolving github.com (github.com)... 140.82.121.4
```

3. Descargar e instalar WildFly 26.1.3 Final

```
wget https://github.com/wildfly/wildfly/releases/download/26.1.3.Final/wildfly-26.1.3.Final.zip
```

```
sudo unzip wildfly-26.1.3.Final.zip
```

```
brais@LAPTOP-IQ2ELBIP:/opt$ sudo unzip wildfly-26.1.3.Final.zip  
Archive:  wildfly-26.1.3.Final.zip  
creating: wildfly-26.1.3.Final/  
creating: wildfly-26.1.3.Final/bin/  
creating: wildfly-26.1.3.Final/bin/client/  
creating: wildfly-26.1.3.Final/standalone/  
creating: wildfly-26.1.3.Final/standalone/configuration/  
creating: wildfly-26.1.3.Final/standalone/lib/
```

4. Crear archivos de configuración de systemd:

Archivo de servicio wildfly.conf:

```
brais@LAPTOP-IQ2ELBIP:/etc/wildfly$ cat wildfly.conf
WILDFLY_HOME="/opt/wildfly"
WILDFLY_USER=wildfly
WILDFLY_MODE=standalone
WILDFLY_CONFIG=standalone.xml
STARTUP_WAIT=60
SHUTDOWN_WAIT=60
```

Archivo de servicio systemd:

```
brais@LAPTOP-IQ2ELBIP:/etc/systemd/system$ cat wildfly.service
[Unit]
Description=WildFly Application Server
After=network.target

[Service]
EnvironmentFile=/etc/wildfly/wildfly.conf
User=wildfly
Group=wildfly
LimitNOFILE=102642
ExecStart= /opt/wildfly/bin/launch.sh
StandardOutput=null

[Install]
WantedBy=multi-user.target
```

Levantamos el servidor y lo comprobamos:

```
brais@LAPTOP-IQ2ELBIP:/etc/systemd/system$ sudo systemctl daemon-reload
sudo systemctl restart wildfly
sudo systemctl status wildfly
● wildfly.service - WildFly Application Server
   Loaded: loaded (/etc/systemd/system/wildfly.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-05-13 20:51:12 CEST; 16ms ago
     Main PID: 4524 (standalone.sh)
       Tasks: 1 (limit: 4640)
      Memory: 320.0K ()
     CGroup: /system.slice/wildfly.service
             └─4524 /bin/sh /opt/wildfly/bin/standalone.sh -c standalone.xml

May 13 20:51:12 LAPTOP-IQ2ELBIP systemd[1]: Started wildfly.service - WildFly Application Server.
```