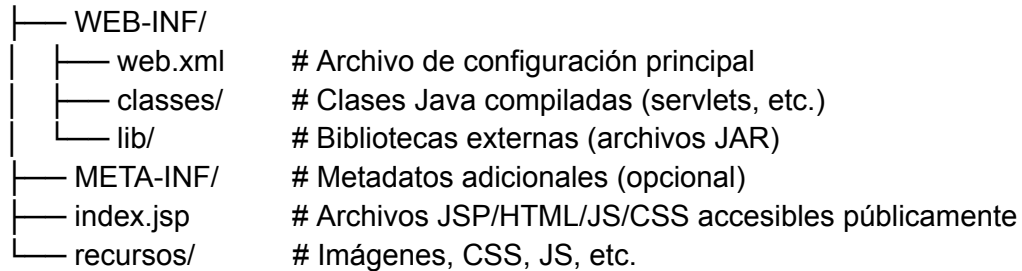


1- Una aplicación web puede ser desplegada en diferentes servidores web manteniendo su funcionalidad y sin ningún tipo de modificación en su código debido a la especificación servlet 2.2 , ¿cual es la estructura de directorios que debe tener?

La estructura estándar definida por la especificación Servlet 2.2 es la siguiente:

NombreApp/



```
root@ubuntu24:~# tree /var/lib/tomcat10/webapps/miapp/
/var/lib/tomcat10/webapps/miapp/
├── test.jsp
├── WEB-INF
│   ├── classes
│   │   └── com
│   │       └── example
│   │           └── HelloServlet.class
│   └── web.xml
```

2- Ant se basa en ficheros XML, normalmente configuramos el trabajo a hacer con nuestra aplicación en un fichero llamado build.xml. Indica alguna de las etiquetas con las que podemos formar el contenido de este archivo. Busca otra aplicación para automatizar tareas que sea más actual que Ant e indica brevemente sus características principales.

```
<project name="App" default="deploy"> <!-- Define el proyecto -->
  <property name="src" location="src"/> <!-- Define variables -->
  <target name="compile"> <!-- Define una tarea -->
    <javac srcdir="${src}" destdir="build"/> <!-- Compila código -->
  </target>
  <target name="jar" depends="compile">
    <jar destfile="app.war" basedir="build"/> <!-- Crea archivo WAR -->
  </target>
</project>
```

Herramienta más moderna: Gradle

- Gestión de dependencias integrada (Maven Central, JCenter).
- Soporte para compilación incremental y multi-proyecto.

Ejemplo de build.gradle:

```
plugins {
    id 'war' // Plugin para aplicaciones web
}
repositories {
    mavenCentral()
}
dependencies {
    implementation 'javax.servlet:javax.servlet-api:4.0.1'
}
```

3- Utiliza la instalación de Tomcat que has hecho en la primera tarea y realiza alguna prueba sencilla con un servlet y con una jsp. Comprueba desde el navegador que se ejecutan ambos correctamente.

* Ver práctica 1: Instalación y configuración básica de Tomcat en Ubuntu

Actualizar máquina e instalar Tomcat. Instalo tomcat 10 porque estoy utilizando Ubuntu 24.

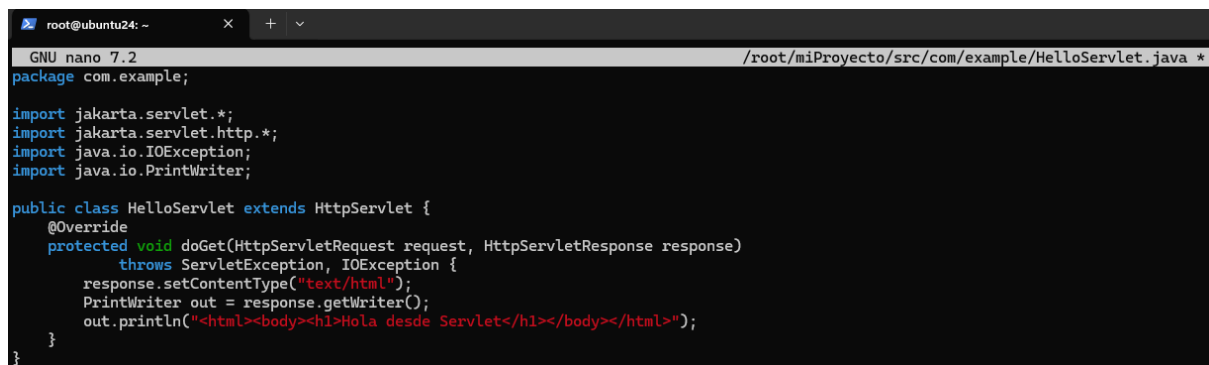
```
sudo apt update && sudo apt install tomcat10 libtomcat10-java openjdk-21-jdk-headless -y
```

Crear una carpeta para la aplicación, por ejemplo miapp, dentro de la carpeta de despliegue de Tomcat (usualmente /var/lib/tomcat10/webapps/):

```
sudo mkdir /var/lib/tomcat10/webapps/miapp
sudo mkdir -p /var/lib/tomcat10/webapps/miapp/WEB-INF/classes
```

Crear un servlet. Crear un archivo llamado HelloServlet.java con el siguiente contenido en ~/miProyecto/src/com/example/HelloServlet.java

```
mkdir -p ~/miProyecto/src/com/example
nano ~/miProyecto/src/com/example/HelloServlet.java
```



```
GNU nano 7.2 /root/miProyecto/src/com/example/HelloServlet.java *
package com.example;

import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.io.IOException;
import java.io.PrintWriter;

public class HelloServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body><h1>Hola desde Servlet</h1></body></html>");
    }
}
```

```
package com.example;
```

```
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.io.IOException;
import java.io.PrintWriter;
```

```
public class HelloServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body><h1>Hola desde Servlet</h1></body></html>");
    }
}
```

Compilar el Servlet utilizando el API de Servlets de Tomcat ubicados en /usr/share/tomcat10/lib/.

```
root@ubuntu24: ~
root@ubuntu24:~# tree /usr/share/tomcat10/lib
/usr/share/tomcat10/lib
├── annotations-api.jar -> ../../java/tomcat10-annotations-api.jar
├── catalina-ant.jar -> ../../java/tomcat10-catalina-ant.jar
├── catalina-ha.jar -> ../../java/tomcat10-catalina-ha.jar
├── catalina.jar -> ../../java/tomcat10-catalina.jar
├── catalina-storeconfig.jar -> ../../java/tomcat10-storeconfig.jar
├── catalina-tribes.jar -> ../../java/tomcat10-tribes.jar
├── el-api.jar -> ../../java/tomcat10-el-api.jar
├── jasper-el.jar -> ../../java/tomcat10-jasper-el.jar
├── jasper.jar -> ../../java/tomcat10-jasper.jar
├── jaspic-api.jar -> ../../java/tomcat10-jaspic-api.jar
├── jsp-api.jar -> ../../java/tomcat10-jsp-api.jar
├── servlet-api.jar -> ../../java/tomcat10-servlet-api.jar
├── tomcat-api.jar -> ../../java/tomcat10-api.jar
├── tomcat-coyote.jar -> ../../java/tomcat10-coyote.jar
├── tomcat-dbcp.jar -> ../../java/tomcat10-dbcp.jar
├── tomcat-i18n-es.jar -> ../../java/tomcat10-i18n-es.jar
├── tomcat-i18n-fr.jar -> ../../java/tomcat10-i18n-fr.jar
├── tomcat-i18n-ja.jar -> ../../java/tomcat10-i18n-ja.jar
├── tomcat-i18n-ru.jar -> ../../java/tomcat10-i18n-ru.jar
├── tomcat-jdbc.jar -> ../../java/tomcat10-jdbc.jar
├── tomcat-jni.jar -> ../../java/tomcat10-jni.jar
├── tomcat-util.jar -> ../../java/tomcat10-util.jar
├── tomcat-util-scan.jar -> ../../java/tomcat10-util-scan.jar
├── tomcat-websocket.jar -> ../../java/tomcat10-websocket.jar
├── websocket-api.jar -> ../../java/tomcat10-websocket-api.jar
├── websocket-client-api.jar -> ../../java/tomcat10-websocket-client-api.jar
1 directory, 26 files
root@ubuntu24:~#
```

javac -cp /usr/share/tomcat10/lib/servlet-api.jar -d /var/lib/tomcat10/webapps/miapp/WEB-INF/classes ~/miProyecto/src/com/example/HelloServlet.java

```
root@ubuntu24:~# javac -cp /usr/share/tomcat10/lib/servlet-api.jar -d /var/lib/tomcat10/webapps/miapp/WEB-INF/classes ~/miProyecto/src/com/example/HelloServlet.java
root@ubuntu24:~# ll /usr/share/tomcat10/lib/servlet-api.jar
lrwxrwxrwx 1 root root 35 dic 3 2023 /usr/share/tomcat10/lib/servlet-api.jar -> ../../java/tomcat10-servlet-api.jar
root@ubuntu24:~# ll /var/lib/tomcat10/webapps/miapp/WEB-INF/classes
total 12
drwxr-xr-x 3 root root 4096 feb 22 11:33 ./
drwxr-xr-x 3 root root 4096 feb 22 11:28 ../
drwxr-xr-x 3 root root 4096 feb 22 11:33 com/
root@ubuntu24:~# ll /var/lib/tomcat10/webapps/miapp/WEB-INF/classes/com/example/
total 12
drwxr-xr-x 2 root root 4096 feb 22 11:33 ./
drwxr-xr-x 3 root root 4096 feb 22 11:33 ../
-rw-r--r-- 1 root root 747 feb 22 11:33 HelloServlet.class
root@ubuntu24:~# ll ~/miProyecto/src/com/example/HelloServlet.java
-rw-r--r-- 1 root root 512 feb 22 11:33 /root/miProyecto/src/com/example/HelloServlet.java
root@ubuntu24:~#
```

Configurar el servlet en web.xml

nano /var/lib/tomcat10/webapps/miapp/WEB-INF/web.xml

```
root@ubuntu24: ~
GNU nano 7.2 /var/lib/tomcat10/webapps/miapp/WEB-INF/web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="https://jakarta.ee/xml/ns/jakartaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee https://jakarta.ee/xml/ns/jakartaee/web-app_5_0.xsd"
  version="5.0">

  <servlet>
    <servlet-name>helloServlet</servlet-name>
    <servlet-class>com.example.HelloServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>helloServlet</servlet-name>
    <url-pattern>/HelloServlet</url-pattern>
  </servlet-mapping>

</web-app>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="https://jakarta.ee/xml/ns/jakartaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee
https://jakarta.ee/xml/ns/jakartaee/web-app_5_0.xsd"
  version="5.0">

  <servlet>
    <servlet-name>helloServlet</servlet-name>
    <servlet-class>com.example.HelloServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>helloServlet</servlet-name>
    <url-pattern>/HelloServlet</url-pattern>
  </servlet-mapping>

</web-app>
```

Creación de una página JSP

sudo nano /var/lib/tomcat10/webapps/miapp/test.jsp

```
<html>
<head>
  <title>Prueba JSP</title>
</head>
<body>
  <h1>Hola desde JSP</h1>
</body>
</html>
```

```
root@ubuntu24: ~
GNU nano 7.2 /var/lib/tomcat10/webapps/miapp/test.jsp
<html>
<head>
  <title>Prueba JSP</title>
</head>
<body>
  <h1>Hola desde JSP</h1>
</body>
</html>
```

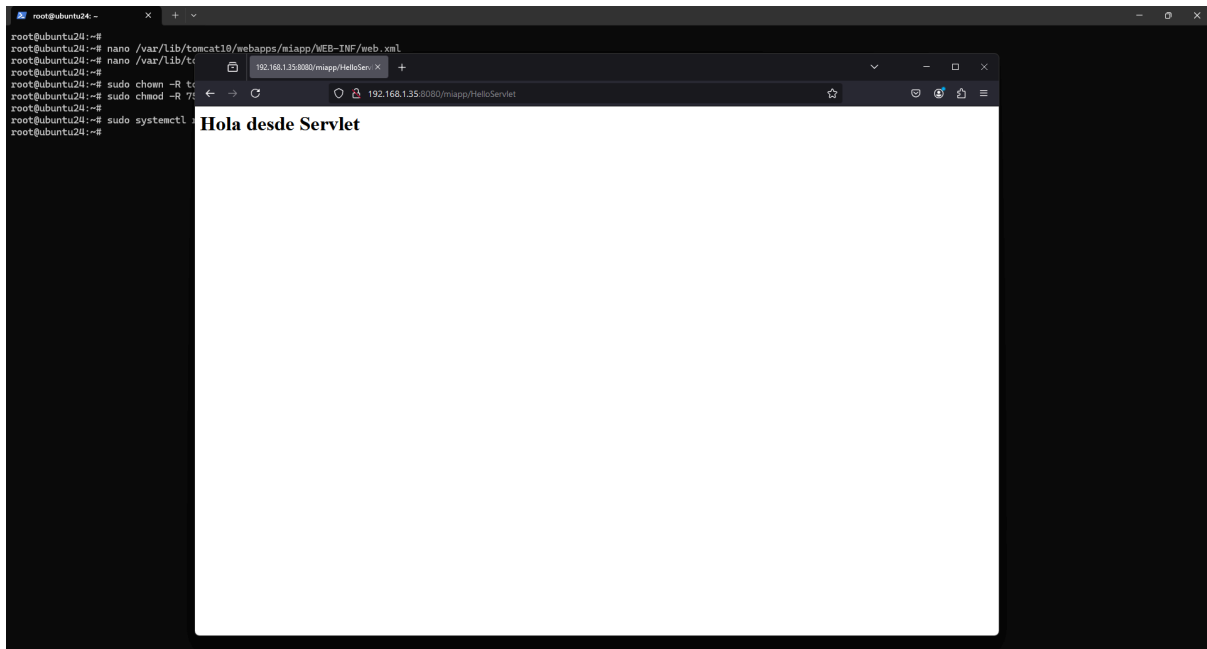
Modificar permisos y reiniciar Tomcat

```
sudo chown -R tomcat:tomcat /var/lib/tomcat10/webapps/miapp
```

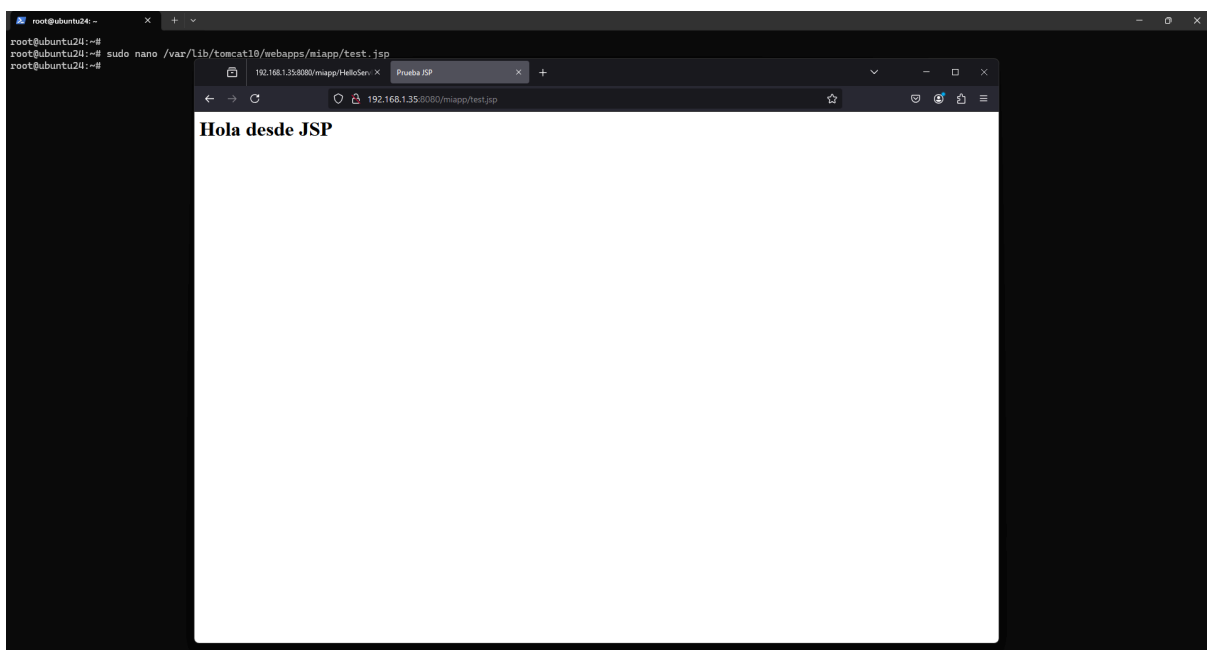
```
sudo chmod -R 755 /var/lib/tomcat10/webapps/miapp
```

```
sudo systemctl restart tomcat10
```

Acceder a <http://192.168.1.35:8080/miapp/HelloServlet> para comprobar que el servlet funciona.



Acceder a <http://192.168.1.35:8080/miapp/test.jsp> para comprobar que la JSP funciona.



La estructura final del proyecto es la siguiente:

```
root@ubuntu24:~# tree miProyecto/
miProyecto/
├── src
│   └── com
│       └── example
│           └── HelloServlet.java
4 directories, 1 file
root@ubuntu24:~#
root@ubuntu24:~# tree /var/lib/tomcat10/webapps/miapp/
/var/lib/tomcat10/webapps/miapp/
├── test.jsp
├── WEB-INF
│   ├── classes
│   │   ├── com
│   │   │   └── example
│   │   │       └── HelloServlet.class
│   └── web.xml
5 directories, 3 files
root@ubuntu24:~# |
```


4- Dispones de una máquina que cuenta con el sistema operativo Ubuntu 22.04 LTS o posterior, recientemente actualizado, en la que está el entorno de red configurado y, además, dispones de conexión a Internet y estás trabajando con la cuenta del usuario root . Indica cada uno de los pasos, y comandos implicados en ellos, para conseguir hacer lo siguiente:

- Instalar JDK.

Ya lo hice en el punto 3.

```
root@ubuntu24:~# java -version
openjdk version "21.0.6" 2025-01-21
OpenJDK Runtime Environment (build 21.0.6+7-Ubuntu-124.04.1)
OpenJDK 64-Bit Server VM (build 21.0.6+7-Ubuntu-124.04.1, mixed mode, sharing)
root@ubuntu24:~#
```

- Crear usuario para WildFly.

useradd -r -d /opt/wildfly -s /bin/false wildfly

-r: Crea un usuario del sistema sin capacidad de login.
-d /opt/wildfly: Define el directorio de WildFly.
-s /bin/false: Evita que el usuario inicie sesión.

- Descargar e instalar WildFly.

cd /opt

wget <https://github.com/wildfly/wildfly/releases/download/30.0.0.Final/wildfly-30.0.0.Final.tar.gz>

```
root@ubuntu24:~# cd /opt/
root@ubuntu24:/opt#
root@ubuntu24:/opt# wget https://github.com/wildfly/wildfly/releases/download/30.0.0.Final/wildfly-30.0.0.Final.tar.gz
--2025-02-22 12:05:42-- https://github.com/wildfly/wildfly/releases/download/30.0.0.Final/wildfly-30.0.0.Final.tar.gz
Resolving github.com (github.com)... 148.82.121.3
Connecting to github.com (github.com)[148.82.121.3]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/764708/580cbe35-367f-4677-9469-dc87d3378e047X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250222%2Fus-east-1%2F%3A%2Faws4_request%26X-Amz-Date=20250222T120542Z&X-Amz-Expires=3600&X-Amz-Signature=c4407c998684ae36572dd1d49104e3542be1a45a349da3cf325fd05d13bf67dc6X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dwildfly-30.0.0.Final.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-02-22 12:05:43-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/764708/580cbe35-367f-4677-9469-dc87d3378e047X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetp
roduction%2F20250222%2Fus-east-1%2F%3A%2Faws4_request%26X-Amz-Date=20250222T120542Z&X-Amz-Expires=3600&X-Amz-Signature=c4407c998684ae36572dd1d49104e3542be1a45a349da3cf325fd05d13bf67dc6X-Amz-SignedHeaders=host&resp
onse-content-disposition=attachment%3B%20filename%3Dwildfly-30.0.0.Final.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.108.133, 185.199.109.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)[185.199.108.133]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 235787802 (225M) [application/octet-stream]
Saving to: 'wildfly-30.0.0.Final.tar.gz'

wildfly-30.0.0.Final.tar.gz      100%[=====] 224,86M  7,34MB/s   in 32s
2025-02-22 12:06:15 (7,04 MB/s) - 'wildfly-30.0.0.Final.tar.gz' saved [235787802/235787802]
```

tar -xvzf wildfly-30.0.0.Final.tar.gz
mv wildfly-30.0.0.Final wildfly
chown -R wildfly:wildfly /opt/wildfly

```

root@ubuntu24:/opt# ll
total 230276
drwxr-xr-x  3 root root      4096 feb 22 12:06 ./
drwxr-xr-x 23 root root      4096 nov 23 20:09 ../
drwxr-xr-x 12 501 staff      4096 oct 18  2023 wildfly-30.0.0.Final/
-rw-r--r--  1 root root 235787802 oct 18  2023 wildfly-30.0.0.Final.tar.gz
root@ubuntu24:/opt#
root@ubuntu24:/opt# mv wildfly-30.0.0.Final wildfly
root@ubuntu24:/opt#
root@ubuntu24:/opt# chown -R wildfly:wildfly /opt/wildfly
root@ubuntu24:/opt#
root@ubuntu24:/opt# ll
total 230276
drwxr-xr-x  3 root  root      4096 feb 22 12:07 ./
drwxr-xr-x 23 root  root      4096 nov 23 20:09 ../
drwxr-xr-x 12 wildfly wildfly  4096 oct 18  2023 wildfly/
-rw-r--r--  1 root  root 235787802 oct 18  2023 wildfly-30.0.0.Final.tar.gz
root@ubuntu24:/opt#

```

- Configurar systemd y el archivo wildfly.conf.

```

mkdir -p /etc/wildfly
nano /etc/wildfly/wildfly.conf

```

Añadir lo siguiente:

```

WILDFLY_HOME="/opt/wildfly"
WILDFLY_USER=wildfly
WILDFLY_MODE=standalone
WILDFLY_CONFIG=standalone.xml
WILDFLY_BIND=0.0.0.0

```



```

root@ubuntu24: /opt
GNU nano 7.2 /etc/wildfly/wildfly.conf *
WILDFLY_HOME="/opt/wildfly"
WILDFLY_USER=wildfly
WILDFLY_MODE=standalone
WILDFLY_CONFIG=standalone.xml
WILDFLY_BIND=0.0.0.0

```

Crear el servicio en systemd

```
cp /opt/wildfly/docs/contrib/scripts/systemd/wildfly.service /etc/systemd/system/
```

Cambiar la directiva ExecStart de este servicio por la siguiente (versión standalone)

```
ExecStart=/opt/wildfly/bin/launch.sh $WILDFLY_MODE $WILDFLY_CONFIG $WILDFLY_BIND
```

```
root@ubuntu24: /opt
GNU nano 7.2 /etc/systemd/system/wildfly.service
[Unit]
Description=The WildFly Application Server
After=syslog.target network.target
Before=httpd.service

[Service]
Environment=LAUNCH_JBOSS_IN_BACKGROUND=1
EnvironmentFile=/etc/wildfly/wildfly.conf
User=wildfly
LimitNOFILE=102642
PIDFile=/run/wildfly/wildfly.pid
#ExecStart=/opt/wildfly/bin/launch.sh $WILDFLY_MODE $WILDFLY_CONFIG $WILDFLY_BIND
ExecStart=/opt/wildfly/bin/standalone.sh -c standalone.xml -b 0.0.0.0
StandardOutput=null

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

Reiniciar servicios

```
systemctl daemon-reload
systemctl enable --now wildfly
```

Comprobar que el servicio se ha iniciado correctamente.

```
systemctl status wildfly
```

```
root@ubuntu24: /opt
root@ubuntu24:/opt# systemctl status wildfly
* wildfly.service - The WildFly Application Server
   Loaded: loaded (/etc/systemd/system/wildfly.service; enabled; preset: enabled)
   Active: active (running) since Sat 2025-02-22 12:14:14 UTC; 4min 18s ago
     Main PID: 2920 (standalone.sh)
       Tasks: 69 (limit: 9442)
      Memory: 283.4M (peak: 293.1M)
         CPU: 12.727s
    CGroup: /system.slice/wildfly.service
            └─2920 /bin/sh /opt/wildfly/bin/standalone.sh -c standalone.xml -b 0.0.0.0
              └─3043 java -D[Standalone]* -Xms64m -Xmx512m -XX:MetaspaceSize=96M -XX:MaxMetaspaceSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org.jboss.byteman -Djava.awt.headless=true

feb 22 12:14:14 ubuntu24 systemd[1]: Started wildfly.service - The WildFly Application Server.
lines 1-12/12 (END)
```

- Configurar la autenticación de Wildfly.

Crear un usuario administrador añadiéndolo al grupo Administrators.

```
/opt/wildfly/bin/add-user.sh
```

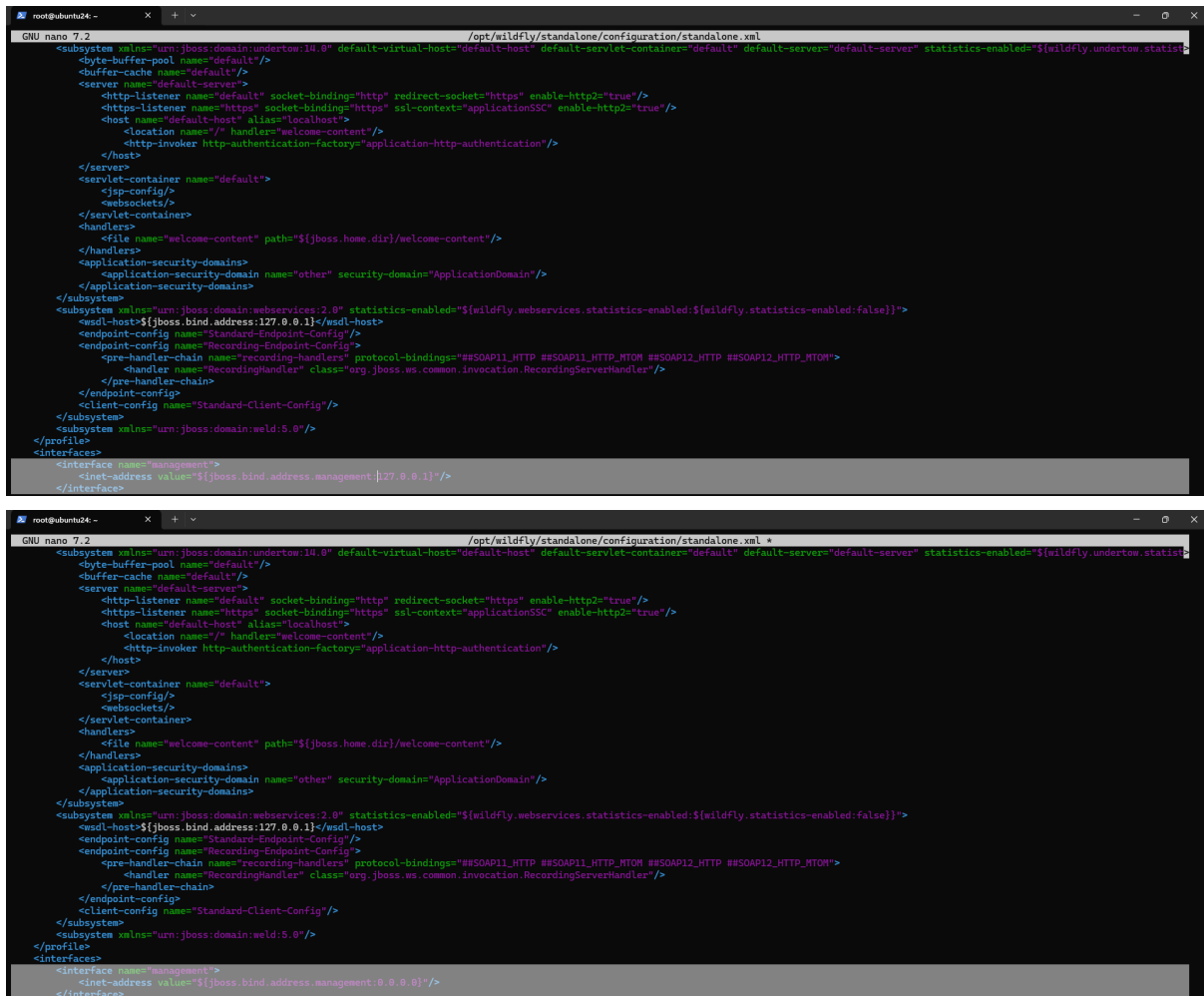
```
root@ubuntu24:~# /opt/wildfly/bin/add-user.sh

What type of user do you wish to add?
a) Management User (mgmt-users.properties)
b) Application User (application-users.properties)
(a): a

Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : diego
Password recommendations are listed below. To modify these restrictions edit the add-user.properties configuration file.
- The password should be different from the username
- The password should not be one of the following restricted values {root, admin, administrator}
- The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1 non-alphanumeric symbol(s)
Password :
WFLYDM0099: Password should have at least 8 characters!
Are you sure you want to use the password entered yes/no? y
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave blank for none)[ ]: Administrators
About to add user 'diego' for realm 'ManagementRealm'
Is this correct yes/no? y
Added user 'diego' to file '/opt/wildfly/standalone/configuration/mgmt-users.properties'
Added user 'diego' to file '/opt/wildfly/domain/configuration/mgmt-users.properties'
Added user 'diego' with groups Administrators to file '/opt/wildfly/standalone/configuration/mgmt-groups.properties'
Added user 'diego' with groups Administrators to file '/opt/wildfly/domain/configuration/mgmt-groups.properties'
root@ubuntu24:~# |
```

Por defecto Wildfly sólo escucha peticiones de localhost. Como estoy accediendo desde el navegador de otra máquina es necesario modificar este comportamiento editando el archivo `/opt/wildfly/standalone/configuration/standalone.xml`.

`nano /opt/wildfly/standalone/configuration/standalone.xml`



```
GNU nano 7.2 /opt/wildfly/standalone/configuration/standalone.xml
<subsystem xmlns="urn:jboss:domain:undertow:14.0" default-virtual-host="default-host" default-servlet-container="default" default-server="default-server" statistics-enabled="${wildfly.undertow.statistics-enabled:${wildfly.statistics-enabled:false}}">
  <byte-buffer-pool name="default"/>
  <buffer-cache name="default"/>
  <server name="default-server">
    <http-listener name="default" socket-binding="http" redirect-socket="https" enable-http2="true"/>
    <https-listener name="https" socket-binding="https" ssl-context="applicationSSC" enable-http2="true"/>
    <host name="default-host" alias="localhost">
      <location name="/" handler="welcome-content"/>
      <http-invoker http-authentication-factory="application-http-authentication"/>
    </host>
  </server>
  <servlet-container name="default">
    <jsp-config/>
    <websockets/>
  </servlet-container>
  <handlers>
    <file name="welcome-content" path="${jboss.home.dir}/welcome-content"/>
  </handlers>
  <application-security-domains>
    <application-security-domain name="other" security-domain="ApplicationDomain"/>
  </application-security-domains>
</subsystem>
<subsystem xmlns="urn:jboss:domain:webservices:2.0" statistics-enabled="${wildfly.webservices.statistics-enabled:${wildfly.statistics-enabled:false}}">
  <wsdl-host ${jboss.bind.address:127.0.0.1}</wsdl-host>
  <endpoint-config name="Standard-Endpoint-Config"/>
  <pre-handler-chain name="recording-handlers" protocol-bindings="##SOAP11_HTTP ##SOAP11_HTTP_MTOM ##SOAP12_HTTP ##SOAP12_HTTP_MTOM">
    <handler name="RecordingHandler" class="org.jboss.ws.common.invocation.RecordingServerHandler"/>
  </pre-handler-chain>
  <endpoint-config name="Standard-Endpoint-Config"/>
  <client-config name="Standard-Client-Config"/>
</subsystem>
<subsystem xmlns="urn:jboss:domain:weld:5.0"/>
</profile>
<interfaces>
  <interface name="Management">
    <inet-address value="${jboss.bind.address.management:127.0.0.1}"/>
  </interface>
</interfaces>
```

```
GNU nano 7.2 /opt/wildfly/standalone/configuration/standalone.xml
<subsystem xmlns="urn:jboss:domain:undertow:14.0" default-virtual-host="default-host" default-servlet-container="default" default-server="default-server" statistics-enabled="${wildfly.undertow.statistics-enabled:${wildfly.statistics-enabled:false}}">
  <byte-buffer-pool name="default"/>
  <buffer-cache name="default"/>
  <server name="default-server">
    <http-listener name="default" socket-binding="http" redirect-socket="https" enable-http2="true"/>
    <https-listener name="https" socket-binding="https" ssl-context="applicationSSC" enable-http2="true"/>
    <host name="default-host" alias="localhost">
      <location name="/" handler="welcome-content"/>
      <http-invoker http-authentication-factory="application-http-authentication"/>
    </host>
  </server>
  <servlet-container name="default">
    <jsp-config/>
    <websockets/>
  </servlet-container>
  <handlers>
    <file name="welcome-content" path="${jboss.home.dir}/welcome-content"/>
  </handlers>
  <application-security-domains>
    <application-security-domain name="other" security-domain="ApplicationDomain"/>
  </application-security-domains>
</subsystem>
<subsystem xmlns="urn:jboss:domain:webservices:2.0" statistics-enabled="${wildfly.webservices.statistics-enabled:${wildfly.statistics-enabled:false}}">
  <wsdl-host ${jboss.bind.address:127.0.0.1}</wsdl-host>
  <endpoint-config name="Standard-Endpoint-Config"/>
  <pre-handler-chain name="recording-handlers" protocol-bindings="##SOAP11_HTTP ##SOAP11_HTTP_MTOM ##SOAP12_HTTP ##SOAP12_HTTP_MTOM">
    <handler name="RecordingHandler" class="org.jboss.ws.common.invocation.RecordingServerHandler"/>
  </pre-handler-chain>
  <endpoint-config name="Standard-Endpoint-Config"/>
  <client-config name="Standard-Client-Config"/>
</subsystem>
<subsystem xmlns="urn:jboss:domain:weld:5.0"/>
</profile>
<interfaces>
  <interface name="Management">
    <inet-address value="${jboss.bind.address.management:0.0.0.0}"/>
  </interface>
</interfaces>
```

Reiniciar Wildfly (systemctl restart wildfly) y acceder a la consola de administración en <http://192.168.1.35:9990> para comprobar que funciona. Autenticarse con el usuario administrador creado previamente.

