15ª Emisión

DIPLOMADO

Desarrollo de Sistemas con Tecnología Java

Módulo 5-6

Desarrollo de aplicaciones empresariales con Jakarta EE

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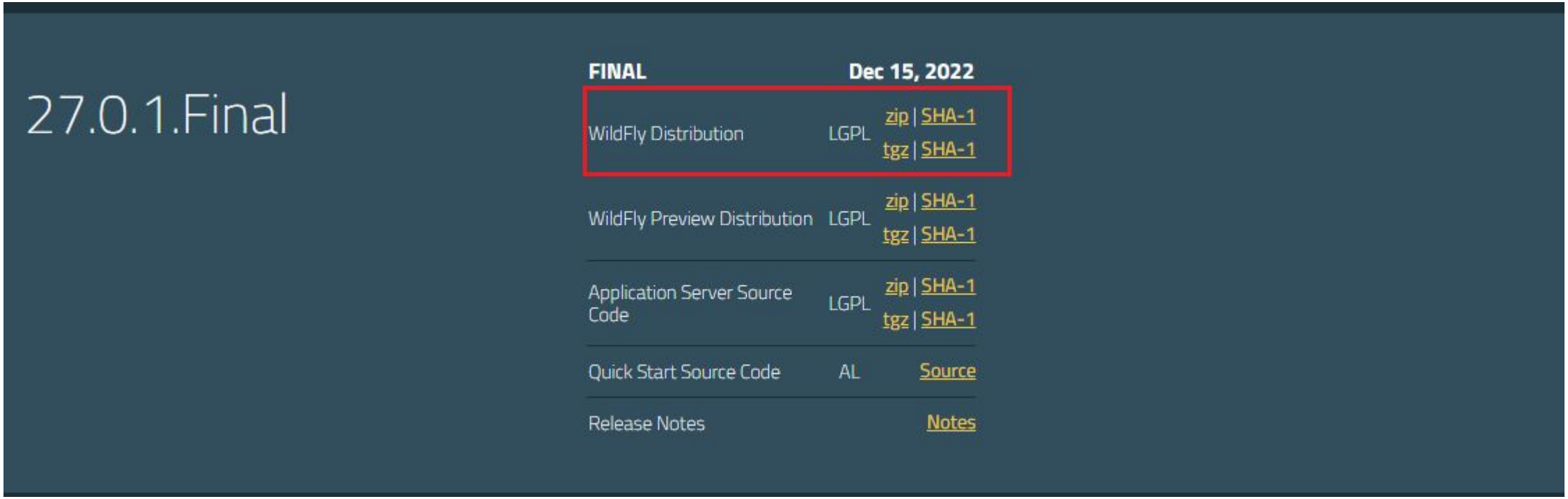
Configuración WildFly

Application Server: WildFly

- Descargar WildFly 27.0.1 Final, de la siguiente url:

https://www.wildfly.org/downloads/



Application Server: WildFly

- Descomprimir archivo zip wildfly-27.x.x.Final.zip
- Agregar un usuario para la consola de administración:

wildfly/bin/add-user.bat -m -u jbossadmin -p jbosspassword

```
PS C:\programs\wildfly\wildfly-27.0.1.Final\bin> .\add-user.bat -m -u jbossadmin -p jbosspassword
Added user 'jbossadmin' to file 'C:\programs\wildfly\wildfly-27.0.1.Final\standalone\configuration\mgmt-users.properties'
Added user 'jbossadmin' to file 'C:\programs\wildfly\wildfly-27.0.1.Final\domain\configuration\mgmt-users.properties'
Presione una tecla para continuar . . .
```

Configuración Servidor WildFly

- En el archivo standalone/configuration/standalone-full.xml, se puede realizar la configuración del servidor, entre ellos los puertos. Modificar el puerto de administración del 9990 a 9991:

```
<socket-binding-group name="standard-sockets" default-interface="public"
    port-offset="${jboss.socket.binding.port-offset:0}">
    <socket-binding name="ajp" port="${jboss.ajp.port:8009}"/>
    <socket-binding name="http" port="${jboss.http.port:8080}"/>
    <socket-binding name="https" port="${jboss.https.port:8443}"/>
    <socket-binding name="iiop" interface="unsecure" port="3528"/>
    <socket-binding name="iiop-ssl" interface="unsecure" port="3529"/>
    <socket-binding name="management-http" interface="management" port="${jboss.management.http.port:9991}"/>
    <socket-binding name="management-https" interface="management" port="${jboss.management.https.port:9993}"/>
    <socket-binding name="txn-recovery-environment" port="4712"/>
    <socket-binding name="txn-status-manager" port="4713"/>
    <outbound-socket-binding name="mail-smtp">
        <remote-destination host="${jboss.mail.server.host:localhost}" port="${jboss.mail.server.port:25}"/>
    </outbound-socket-binding>
</socket-binding-group>
```

Iniciar WildFly

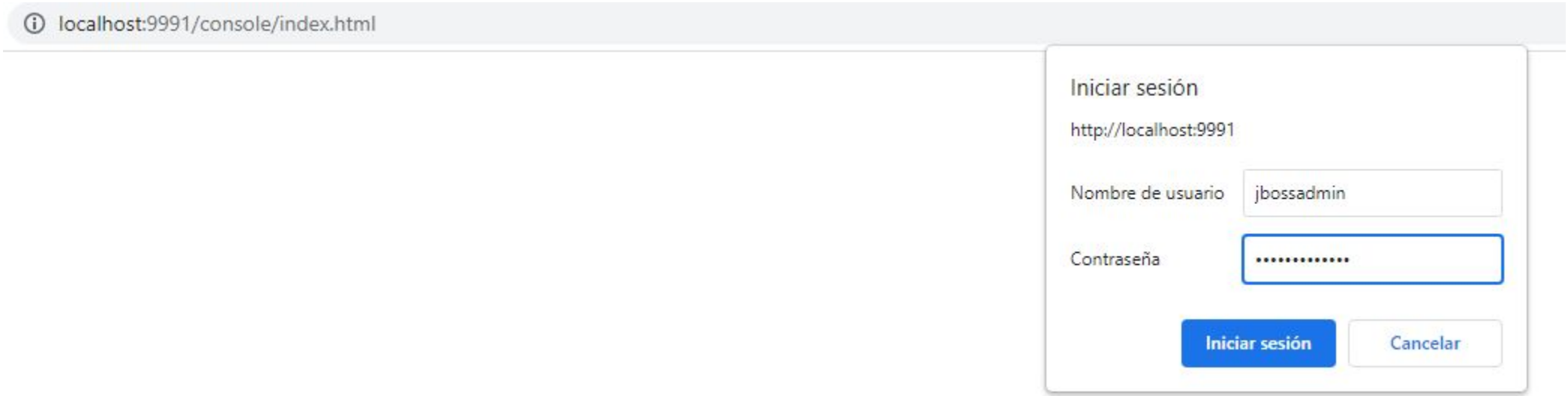
- Para iniciar el servidor, ejecutar el siguiente comando en una terminal:

wildfly/bin/standalone.bat --server-config=standalone-full.xml

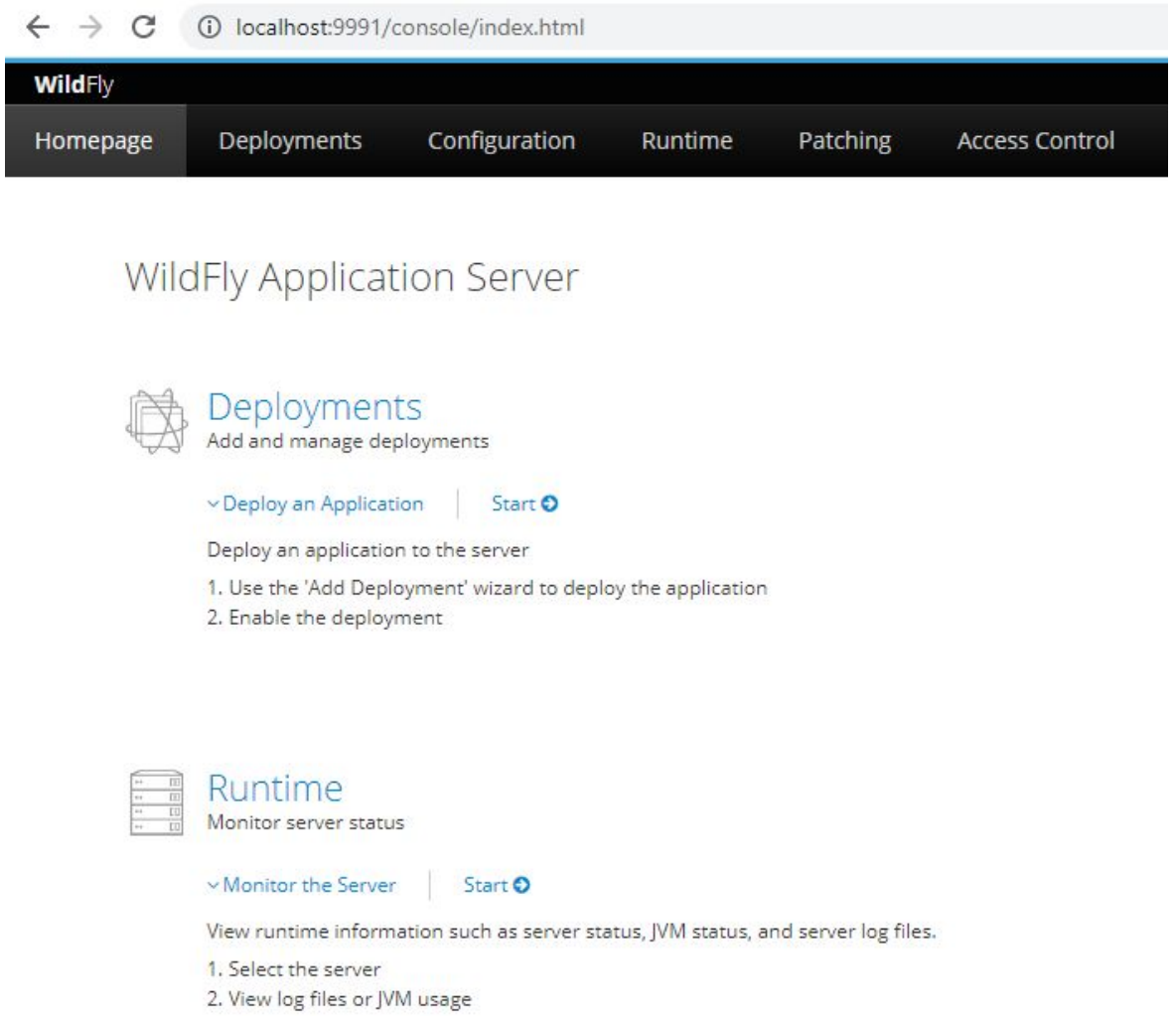
```
PS C:\programs\wildfly\wildfly-27.0.1.Final\bin> .\standalone.bat --server-config=standalone-full.xml
Calling "C:\programs\wildfly\wildfly-27.0.1.Final\bin\standalone.conf.bat"
Setting JAVA property to "C:\programs\java\jdk-17\bin\java"
========================================================================

  JBoss Bootstrap Environment

  JBOSS_HOME: "C:\programs\wildfly\wildfly-27.0.1.Final"

  JAVA: "C:\programs\java\jdk-17\bin\java"
```

```
13:14:19,060 INFO  [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 27.0.1.Final (WildFly Core 19.0.1.Final) started in 4242ms - Started 3
28 of 601 services (372 services are lazy, passive or on-demand) - Server configuration file in use: standalone-full.xml
13:14:19,064 INFO  [org.jboss.as] (Controller Boot Thread) WFLYSRV0060: Http management interface listening on http://127.0.0.1:9991/management
13:14:19,065 INFO  [org.jboss.as] (Controller Boot Thread) WFLYSRV0051: Admin console listening on http://127.0.0.1:9991
```

WildFly Running



WildFly Running



Detener WildFly

- Para detener el servidor, presionar CTRL+C en la ventana donde se inició el servidor previamente

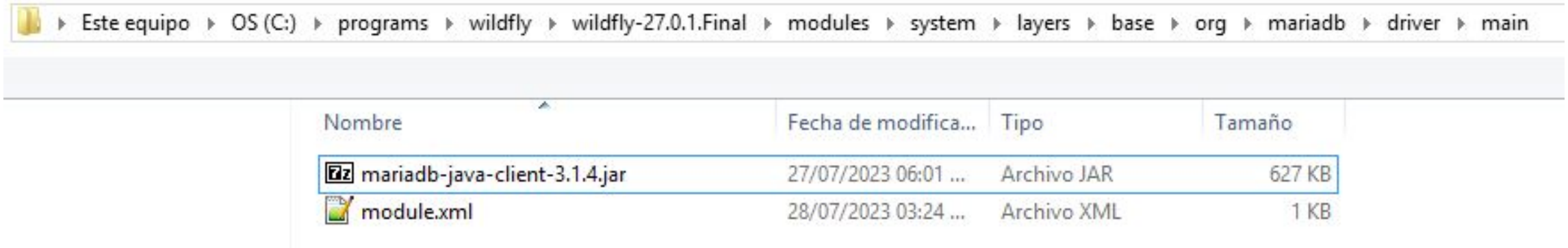
```
13:19:14,757 INFO  [org.wildfly.extension.undertow] (MSC service thread 1-2) WFLYUT0008: Undertow HTTP listener default suspending
13:19:14,758 INFO  [org.wildfly.extension.undertow] (MSC service thread 1-2) WFLYUT0007: Undertow HTTP listener default stopped, was bound to 127.0.0.1:808
0
13:19:14,759 INFO  [org.wildfly.extension.undertow] (MSC service thread 1-6) WFLYUT0004: Undertow 2.3.0.Final stopping
13:19:14,766 INFO  [org.jboss.as] (MSC service thread 1-5) WFLYSRV0050: WildFly Full 27.0.1.Final (WildFly Core 19.0.1.Final) stopped in 189ms
¿Desea terminar el trabajo por lotes (S/N)? S
```

Agregar MariaDB Driver WildFly

- Agregar los siguientes directorios:

  wildfly/modules/system/layers/base/org/mariadb/driver/main

- Agregar los archivos mostrados:



module.xml

```
<module xmlns="urn:jboss:module:1.5" name="org.mariadb.driver">
    <resources>
        <resource-root path="mariadb-java-client-3.1.4.jar"/>
    </resources>
    <dependencies>
        <module name="javax.api"/>
        <module name="javax.transaction.api"/>
    </dependencies>
</module>
```

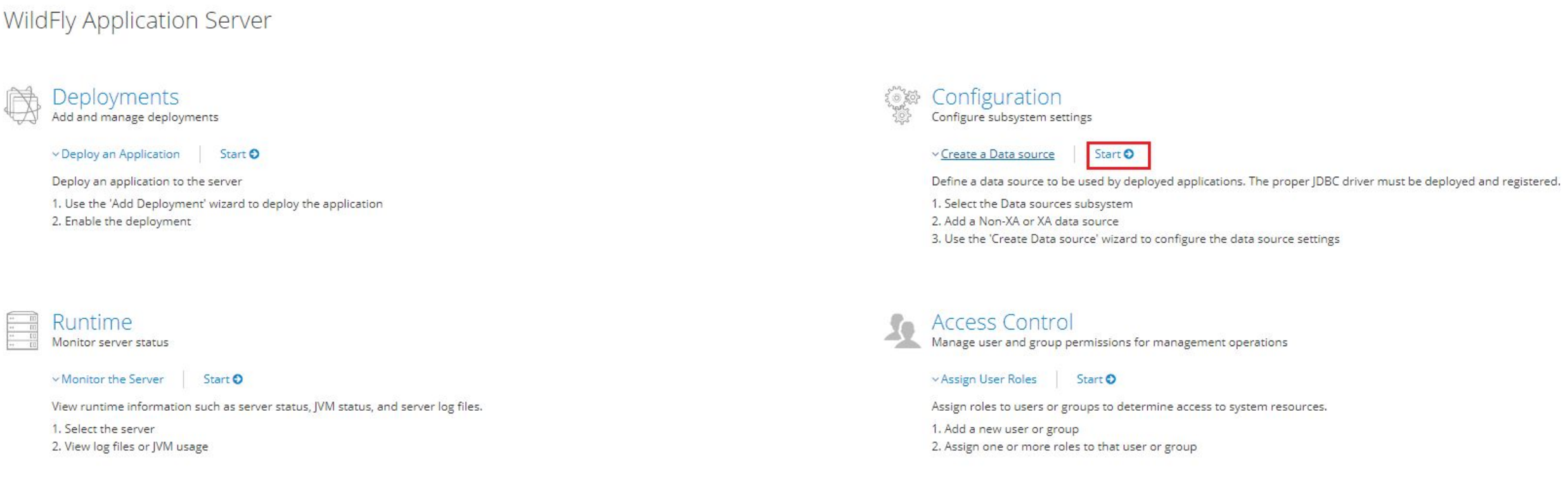
Agregar MariaDB Driver WildFly

- En el archivo standalone/configuration/standalone-full.xml, agregar la siguiente configuración en la sección de drivers:

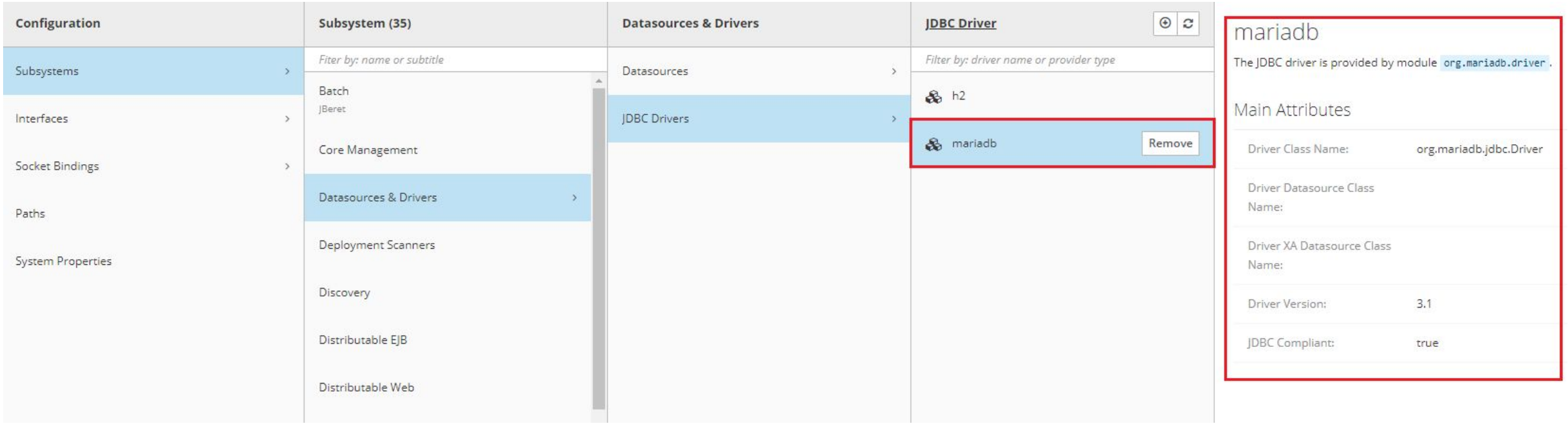
  <driver name="mariadb" module="org.mariadb.driver"/>

```
<drivers>
    <driver name="h2" module="com.h2database.h2">
        <xa-datasource-class>org.h2.jdbcx.JdbcDataSource</xa-datasource-class>
    </driver>
    <driver name="mariadb" module="org.mariadb.driver"/>
</drivers>
```

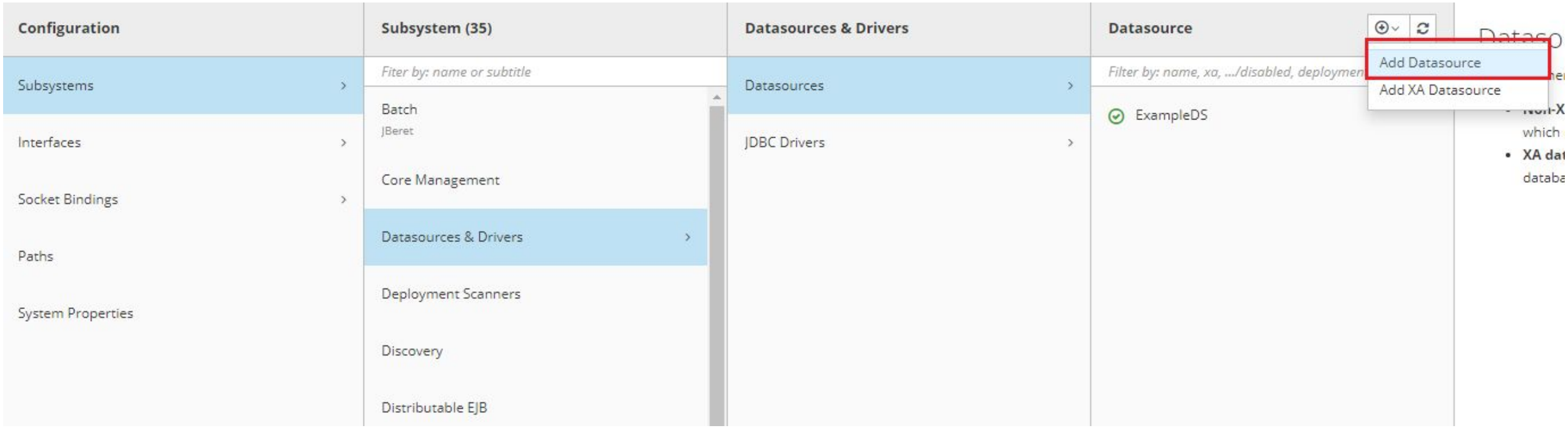
Agregar Pixup DataSource WildFly



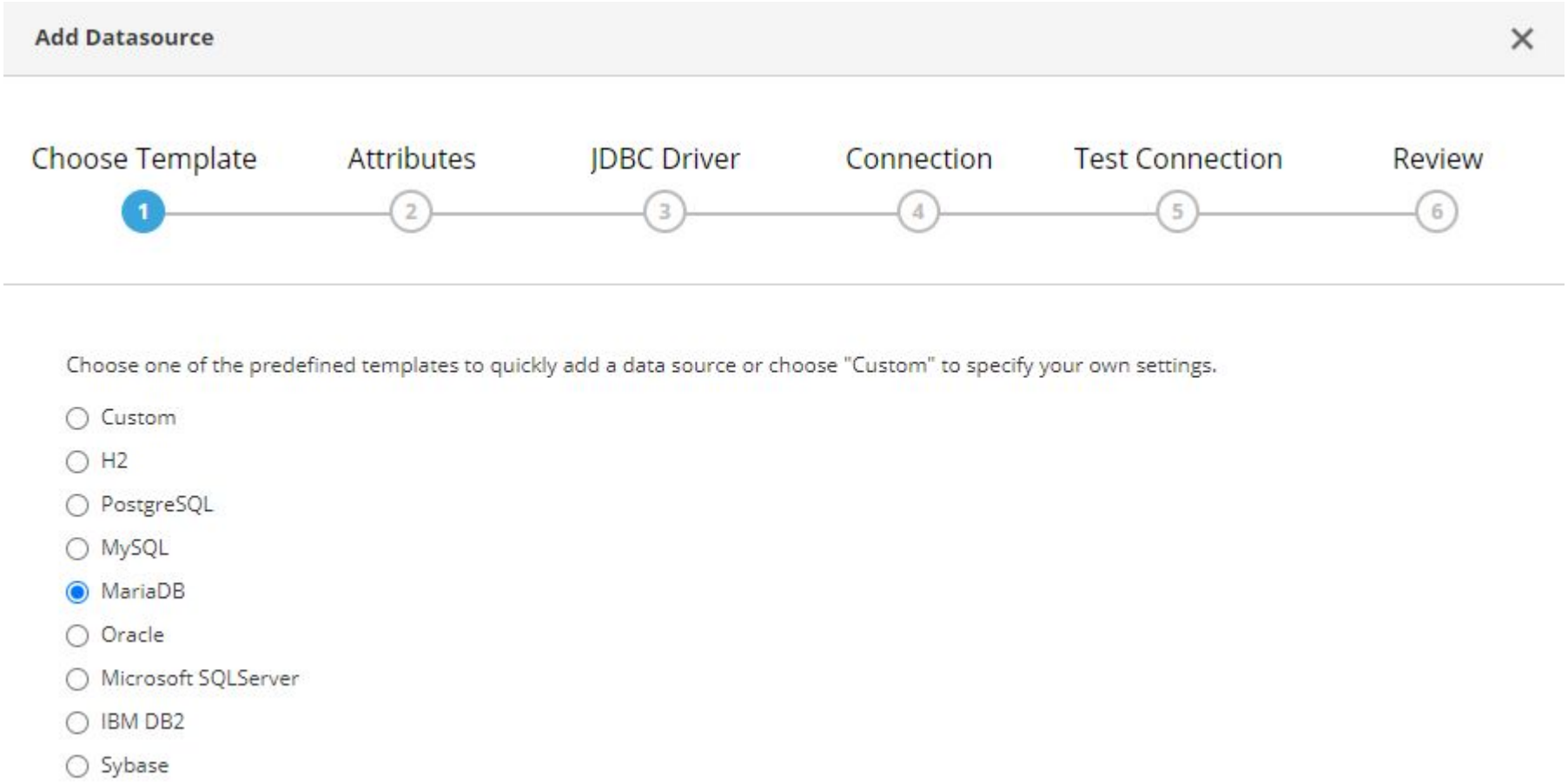
Agregar Pixup DataSource WildFly



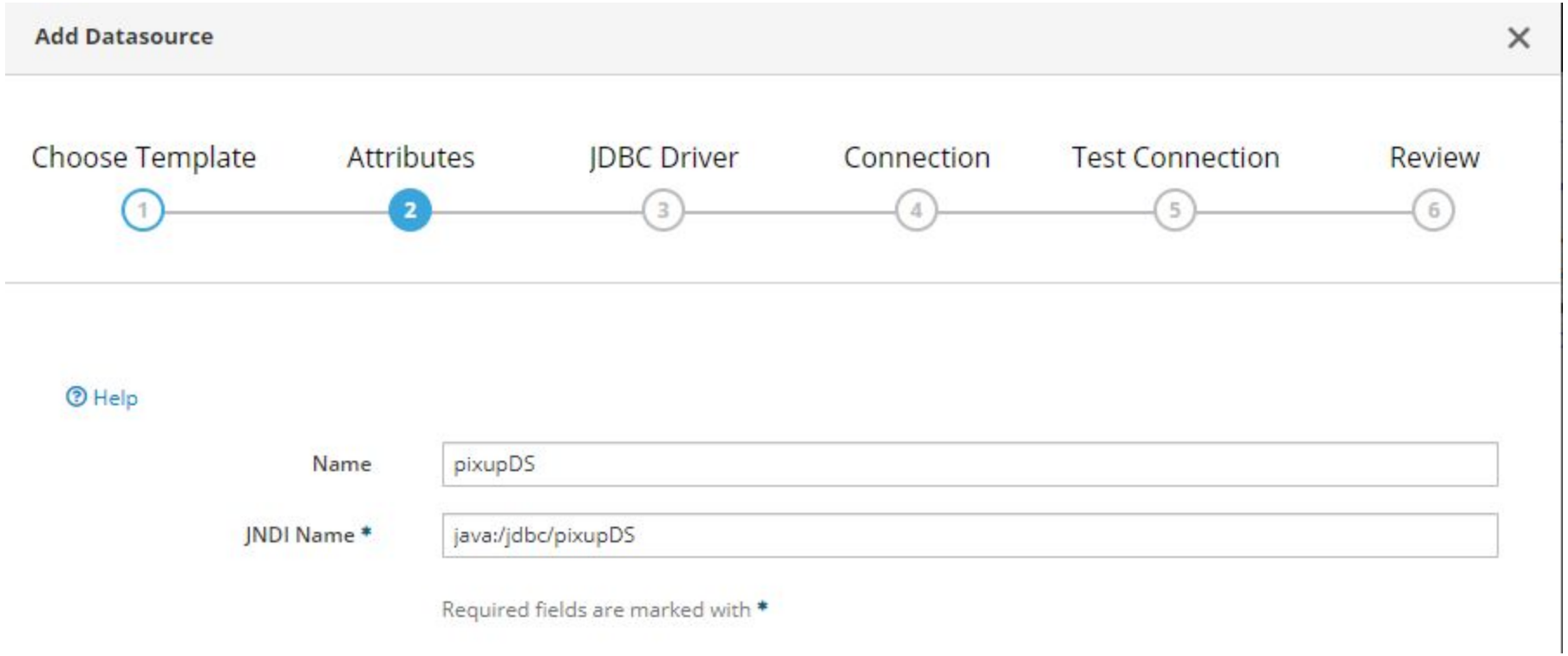
Agregar Pixup DataSource WildFly



Agregar Pixup DataSource WildFly



Agregar Pixup DataSource WildFly



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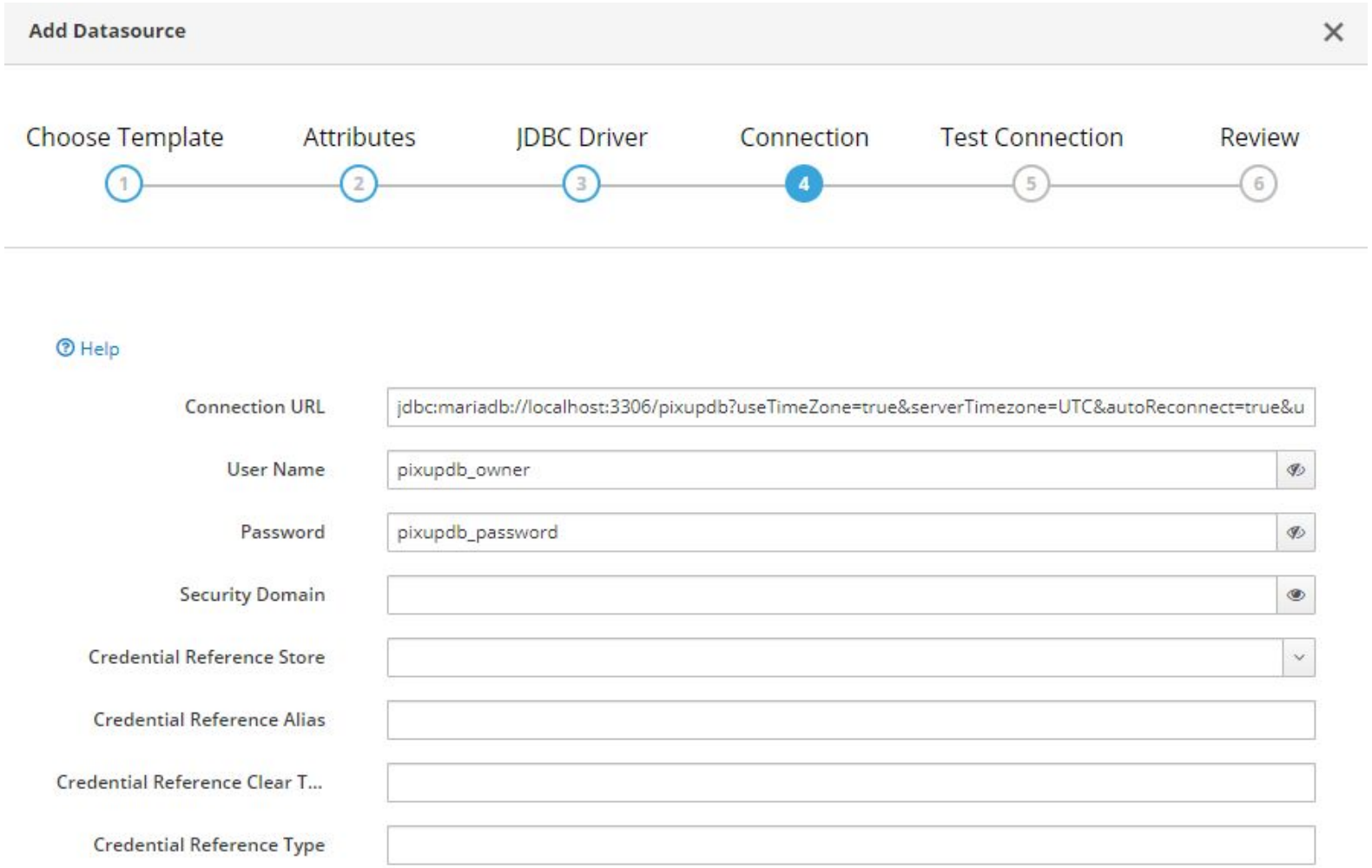


Agregar Pixup DataSource WildFly

username = pixupdb_owner

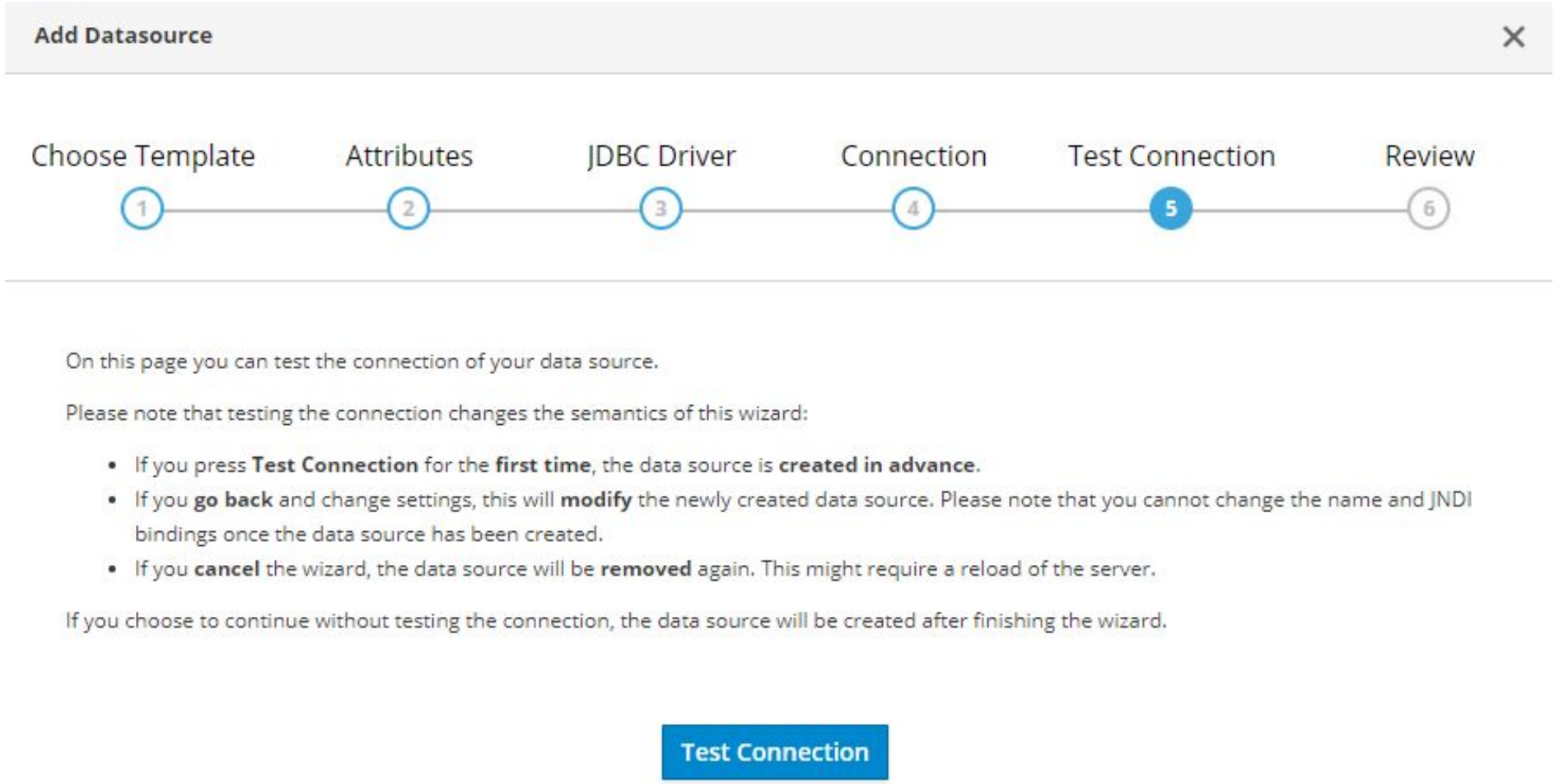
password = pixupdb_password

url=

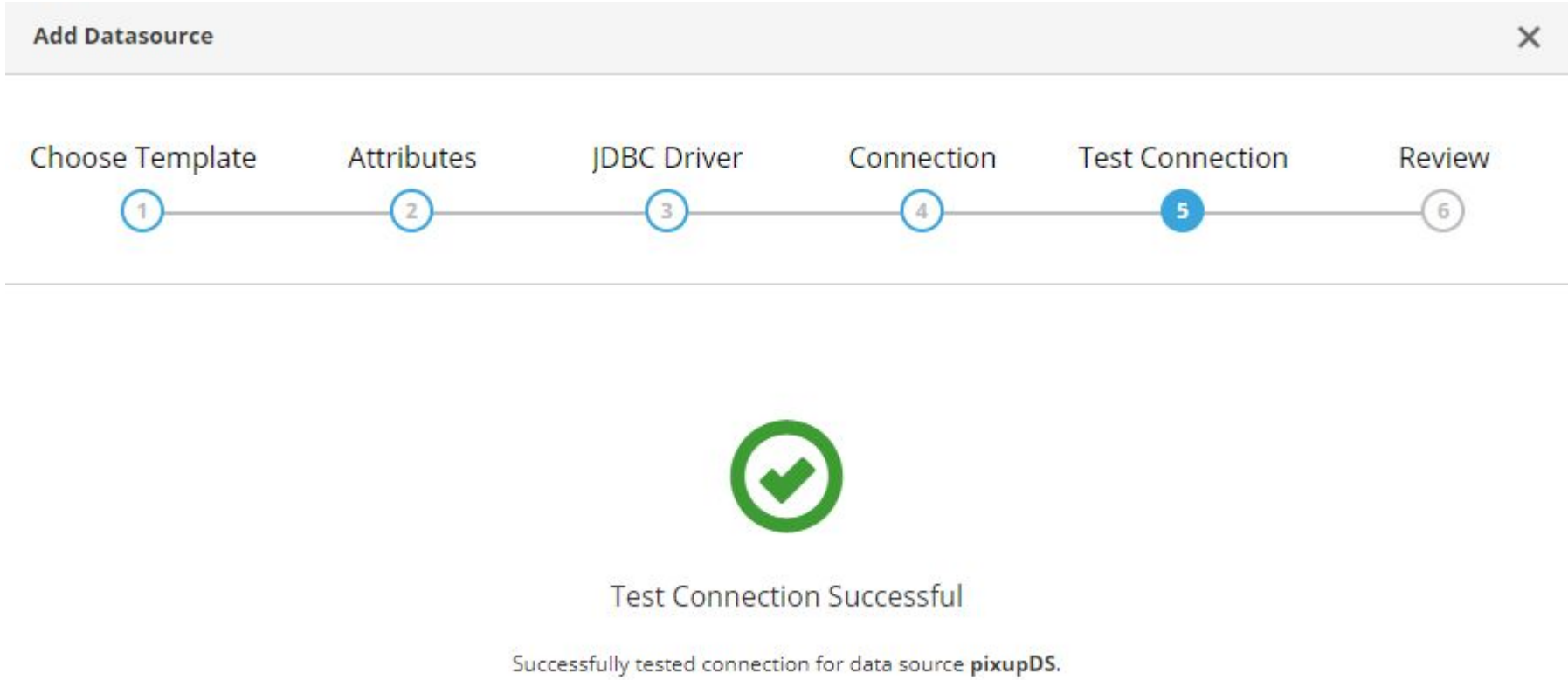
jdbc:mariadb://localhost:3306/pixupdb?useTimeZone=true&serverTimezone=UTC&

autoReconnect=true&useSSL=false

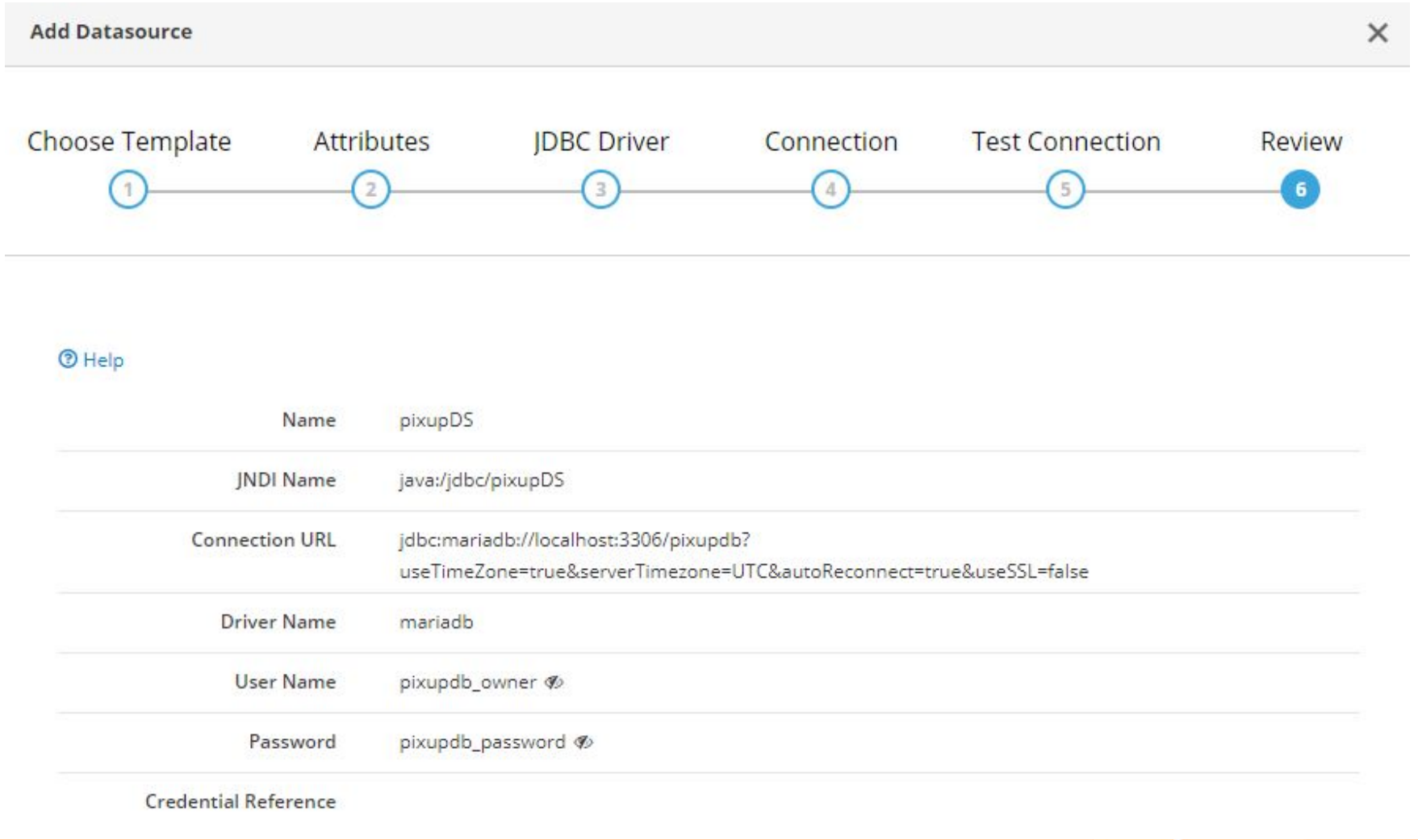
Agregar Pixup DataSource WildFly



Agregar Pixup DataSource WildFly



Agregar Pixup DataSource WildFly



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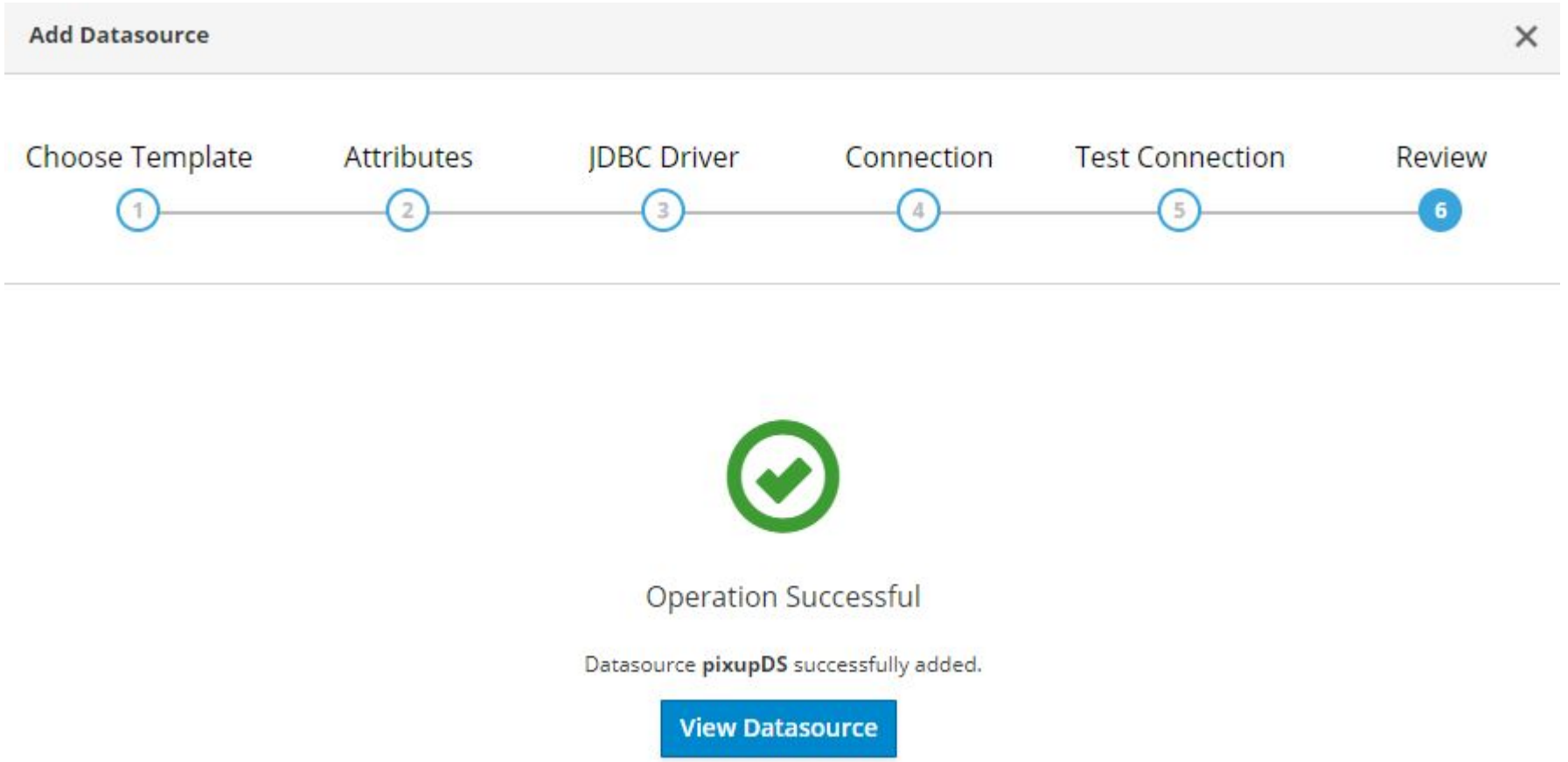
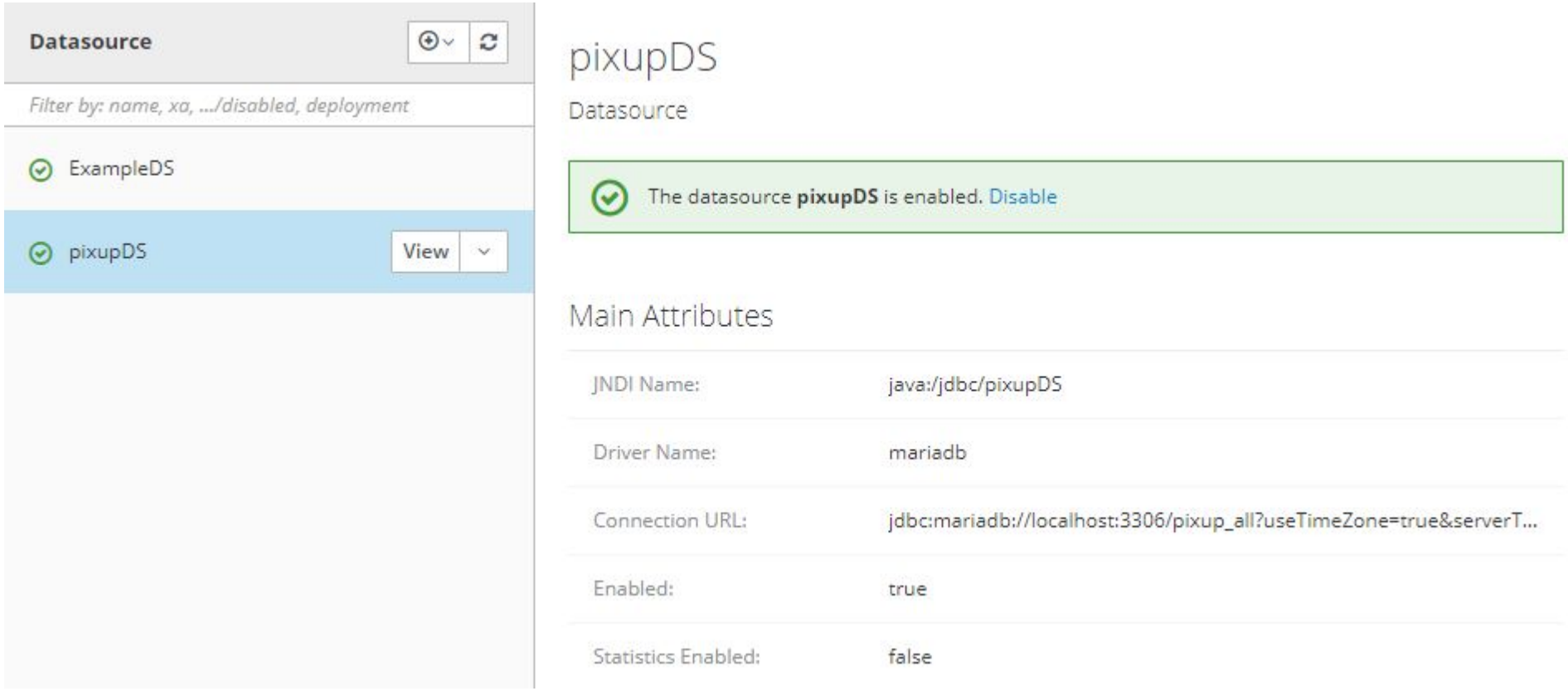


Agregar Pixup DataSource WildFly



Configurar Mail-Session

- Agregar la siguiente configuración en la sección mail-session:

  <custom-server name="smtp" outbound-socket-binding-ref="mail-smtp" ssl="true"

  username= "youremail" password= "yourapppassword">

  <property name="mail.smtp.ssl.trust" value="smtp.gmail.com"/> </custom-server>

```
<subsystem xmlns="urn:jboss:domain:mail:4.0">
    <mail-session name="default" jndi-name="java:jboss/mail/Default">
        <custom-server name="smtp" outbound-socket-binding-ref="mail-smtp" ssl="true"
            username="megaboa@gmail.com" password="tdlyedgtedsyarbc">
            <property name="mail.smtp.ssl.trust" value="smtp.gmail.com" />
        </custom-server>
    </mail-session>
</subsystem>
```

Configurar Mail-Session

- Agregar la siguiente configuración en la sección outbound-socket-binding:

  <remote-destination host="smtp.gmail.com" port="465"/>

```
<socket-binding-group name="standard-sockets" default-interface="public"
    port-offset="${jboss.socket.binding.port-offset:0}">
    <socket-binding name="ajp" port="${jboss.ajp.port:8009}"/>
    <socket-binding name="http" port="${jboss.http.port:8080}"/>
    <socket-binding name="https" port="${jboss.https.port:8443}"/>
    <socket-binding name="iiop" interface="unsecure" port="3528"/>
    <socket-binding name="iiop-ssl" interface="unsecure" port="3529"/>
    <socket-binding name="management-http" interface="management" port="${jboss.management.http.port:9991}"/>
    <socket-binding name="management-https" interface="management" port="${jboss.management.https.port:9993}"/>
    <socket-binding name="txn-recovery-environment" port="4712"/>
    <socket-binding name="txn-status-manager" port="4713"/>
    <outbound-socket-binding name="mail-smtp">
        <remote-destination host="smtp.gmail.com" port="465"/>
    </outbound-socket-binding>
</socket-binding-group>
```

Contacto

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