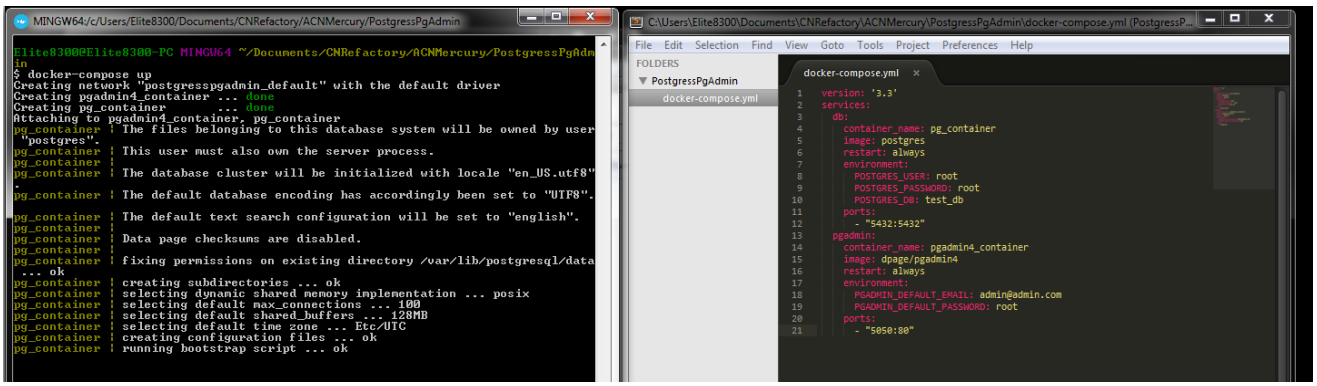
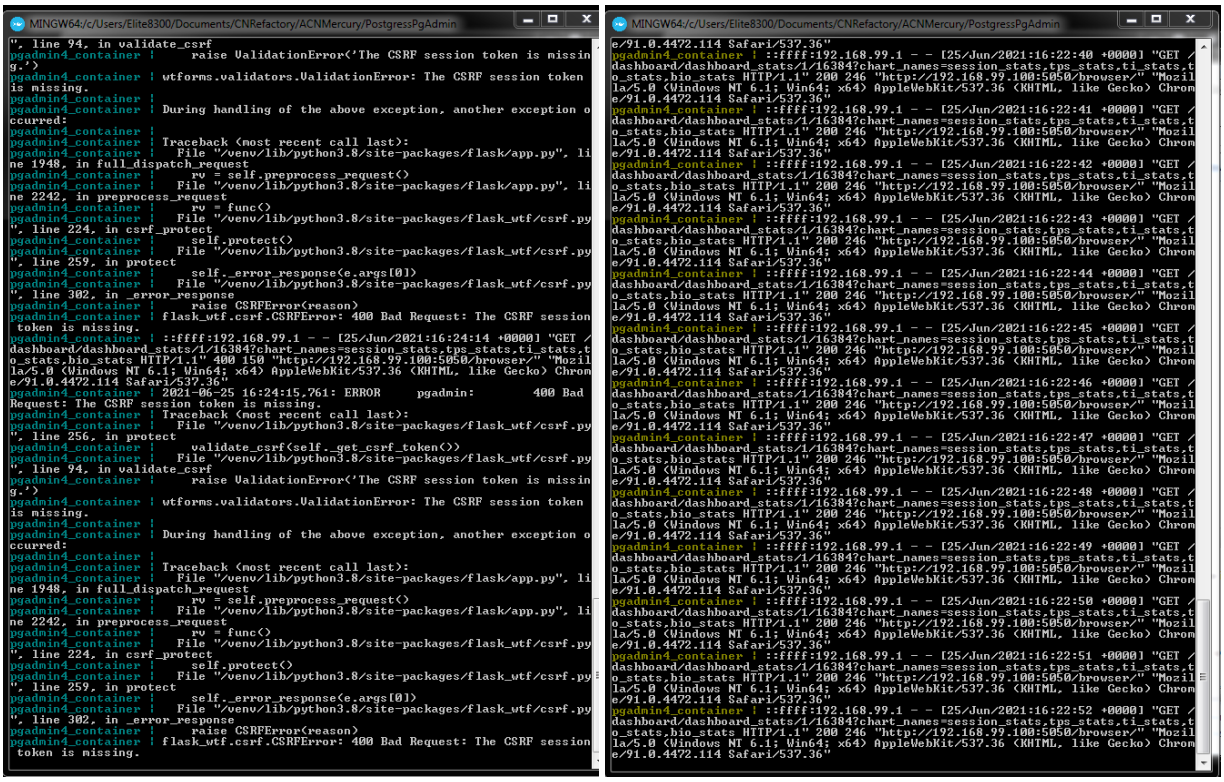
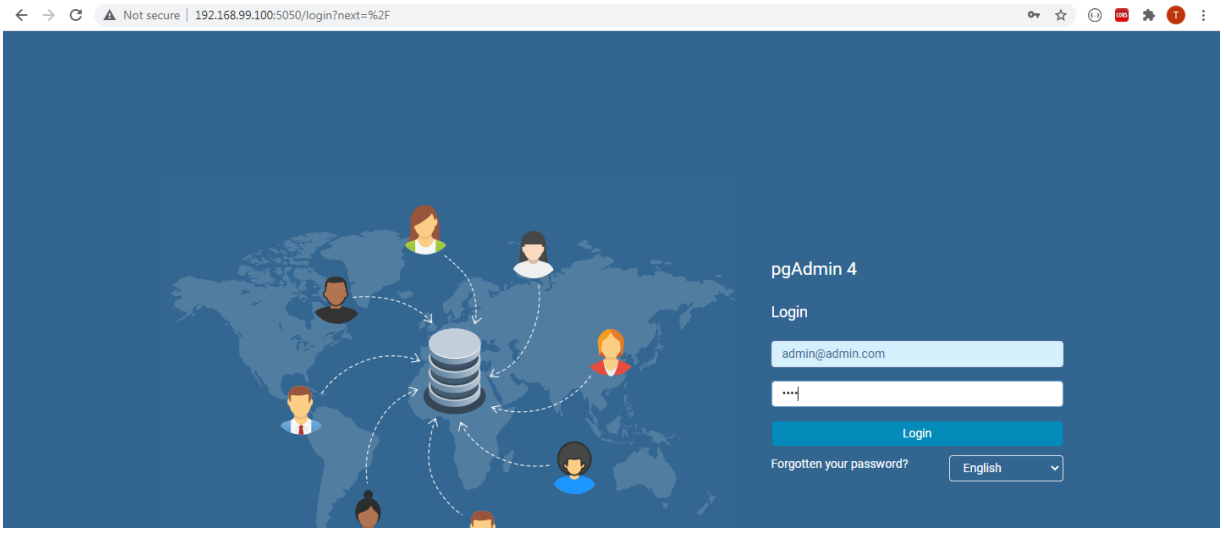
Run the docker Compose file below to stand up your Postgres database and the PgAdmin tool



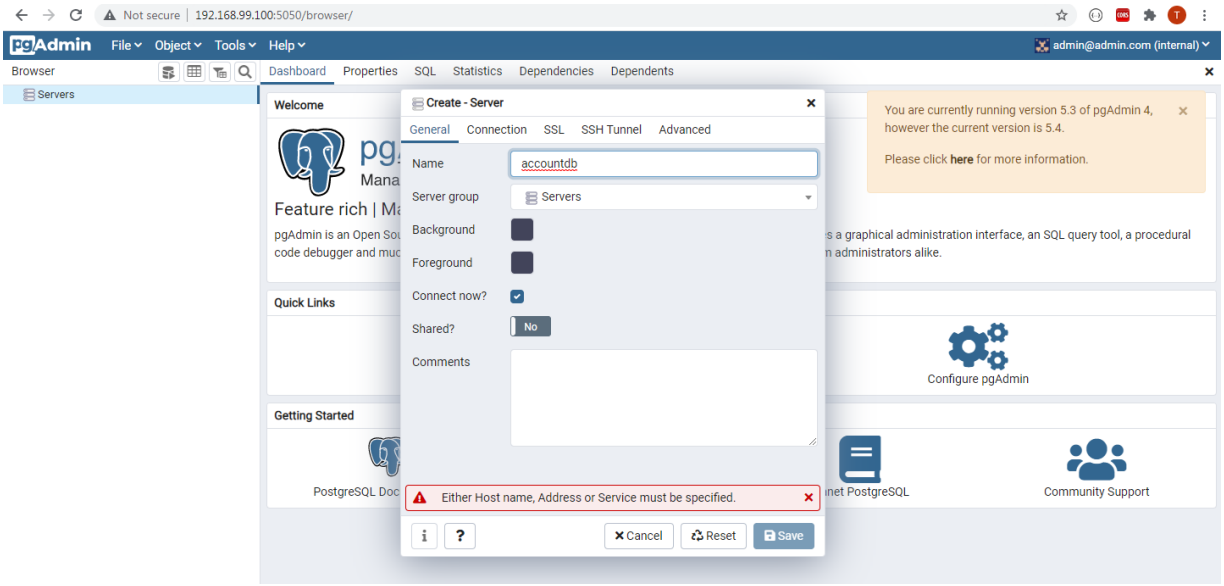


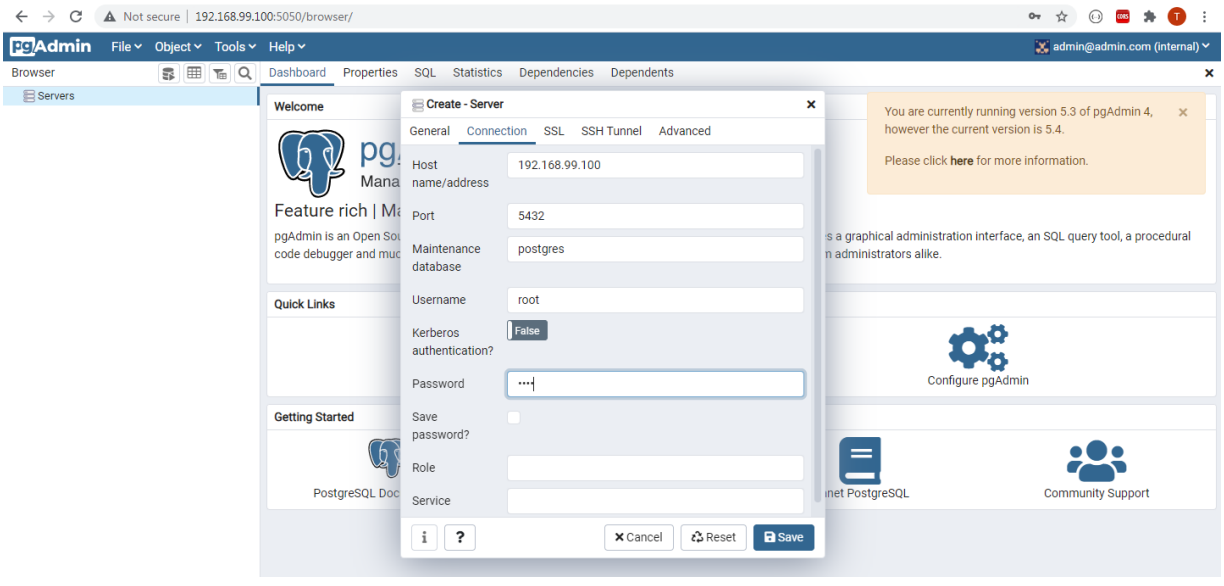
Log into the PgAdmin tool and connect to Postgres database

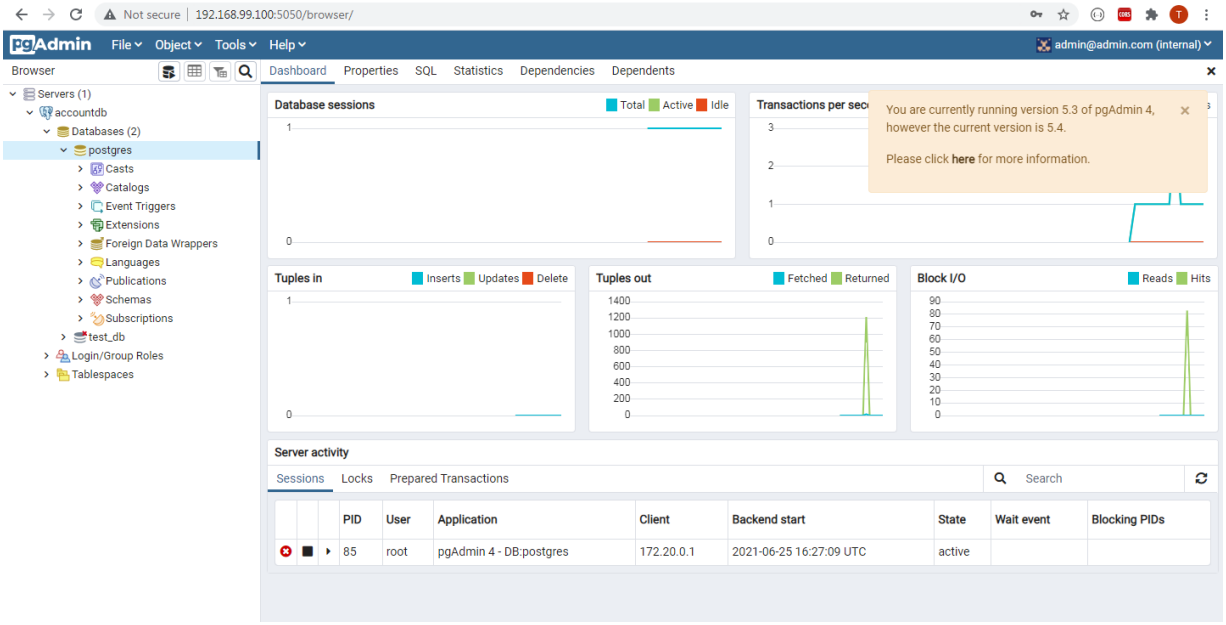


Connect to the Postgres database

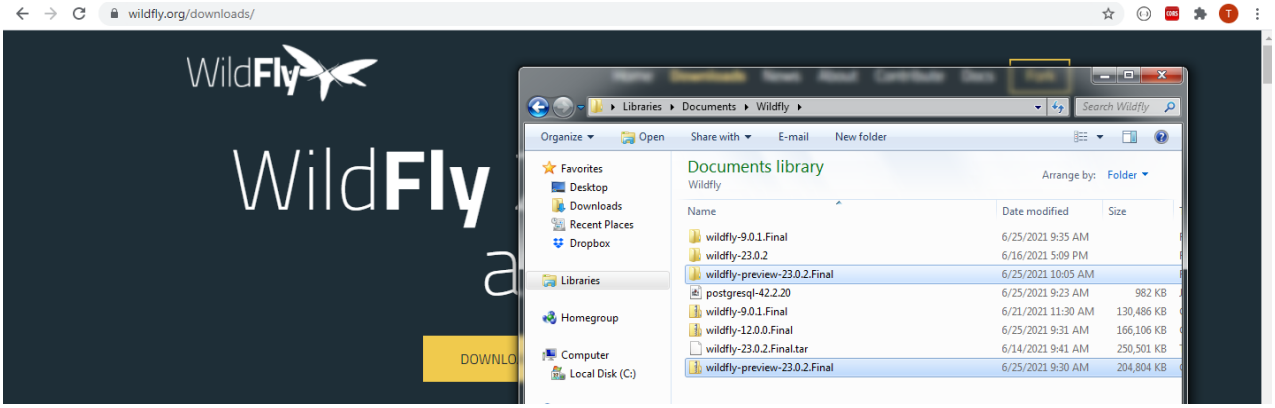

Not secure | 192.168.99.100:5050/browser/
pgAdmin
File
Object
Tools
Help
admin@admin.com (internal)
Browser
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Servers
Create
Server Group...
Server...
Refresh...
Remove Server Group
Properties...
You are currently running version 5.3 of pgAdmin 4, however the current version is 5.4.
Please click here for more information.
pgAdmin
Management Tools for PostgreSQL
Feature rich | Maximises PostgreSQL | Open Source
pgAdmin is an Open Source administration and management tool for the PostgreSQL database. It includes a graphical administration interface, an SQL query tool, a procedural code debugger and much more. The tool is designed to answer the needs of developers, DBAs and system administrators alike.
Quick Links
Add New Server
Configure pgAdmin
Getting Started
PostgreSQL Documentation
pgAdmin Website
Planet PostgreSQL
Community Support


Not secure | 192.168.99.100:5050/browser/
pgAdmin
File
Object
Tools
Help
admin@admin.com (internal)
Browser
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Servers
Welcome
Create - Server
General
Connection
SSL
SSH Tunnel
Advanced
Name
accountdb
Server group
Servers
Background
Foreground
Connect now?
Shared?
No
Comments
Either Host name, Address or Service must be specified.
Cancel
Reset
Save
You are currently running version 5.3 of pgAdmin 4, however the current version is 5.4.
Please click here for more information.
Quick Links
Configure pgAdmin
Getting Started
Community Support

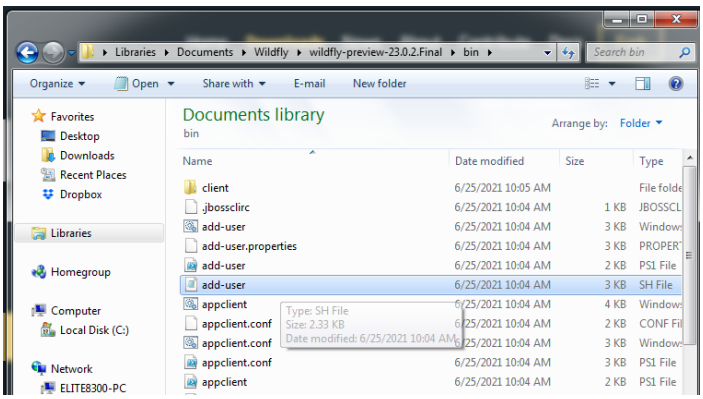

Not secure | 192.168.99.100:5050/browser/
pgAdmin
File
Object
Tools
Help
admin@admin.com (internal)
Browser
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Servers
Welcome
Create - Server
General
Connection
SSL
SSH Tunnel
Advanced
Host name/address
192.168.99.100
Port
5432
Maintenance database
postgres
Username
root
Kerberos authentication?
False
Password
Save password?
Role
Service
Cancel
Reset
Save
You are currently running version 5.3 of pgAdmin 4, however the current version is 5.4.
Please click here for more information.
Quick Links
Configure pgAdmin
Getting Started
Community Support



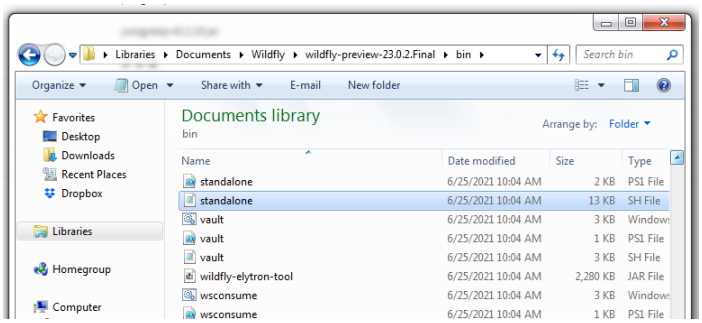
Next, download the Wildfly server version to use



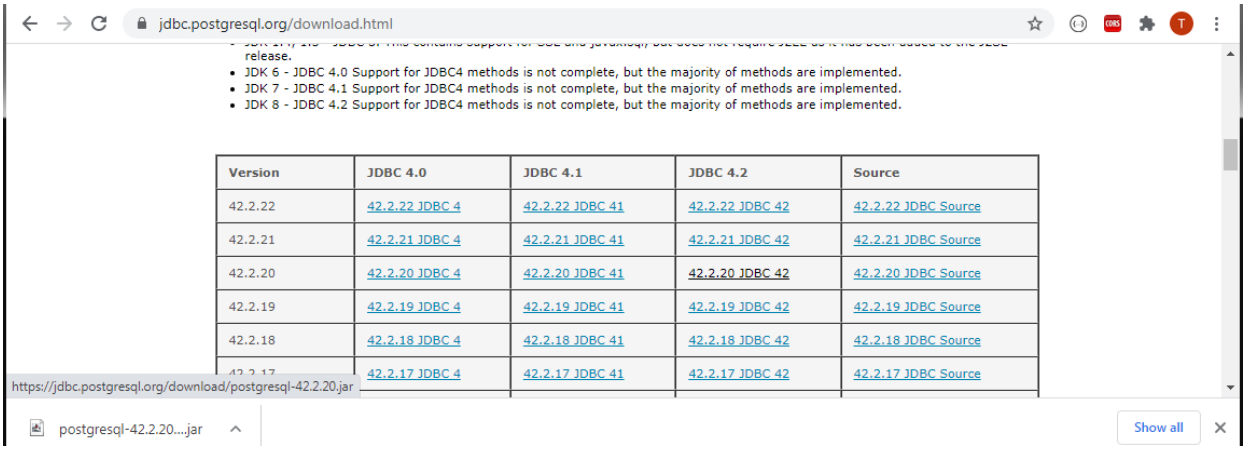
Add a user by running the add-user.sh file, add the user with username/password of **admin/admin1+**



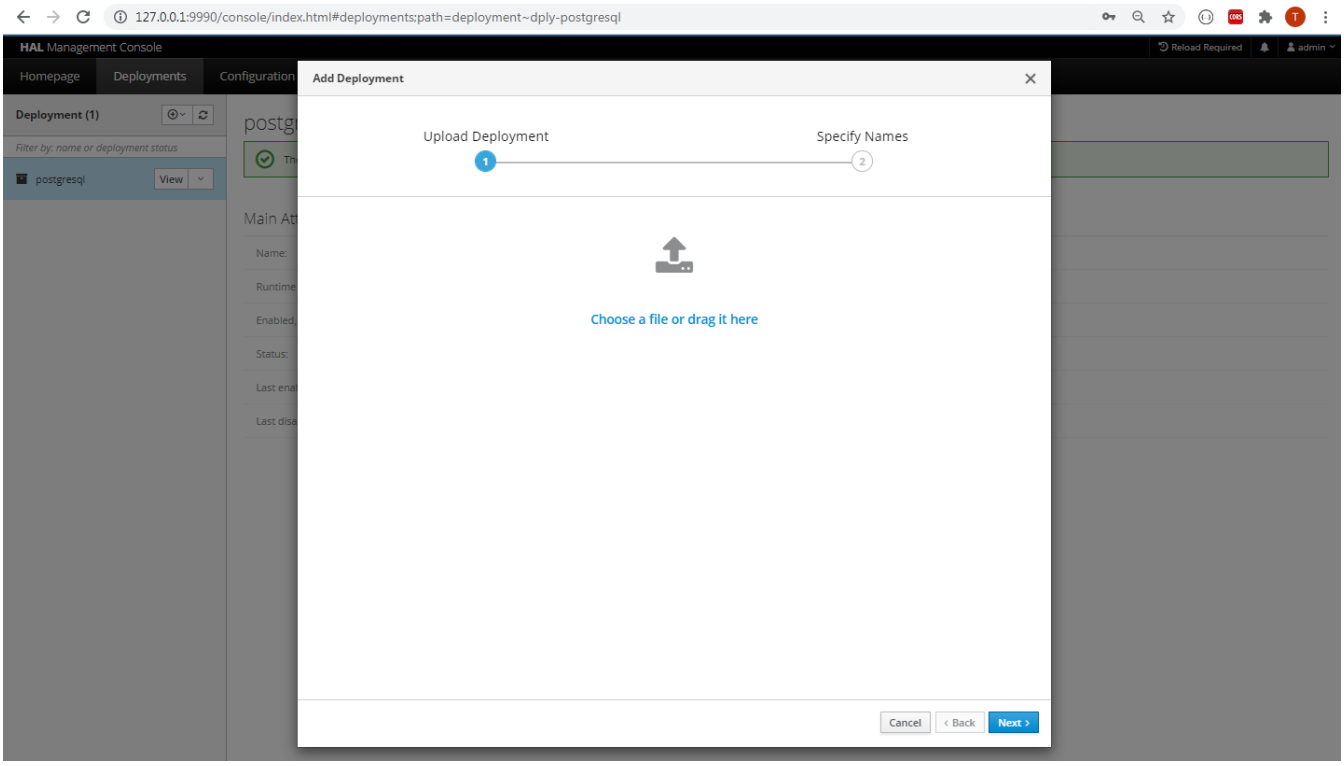
Run the Wildfly Server using the **standalone.sh** file within the bin folder

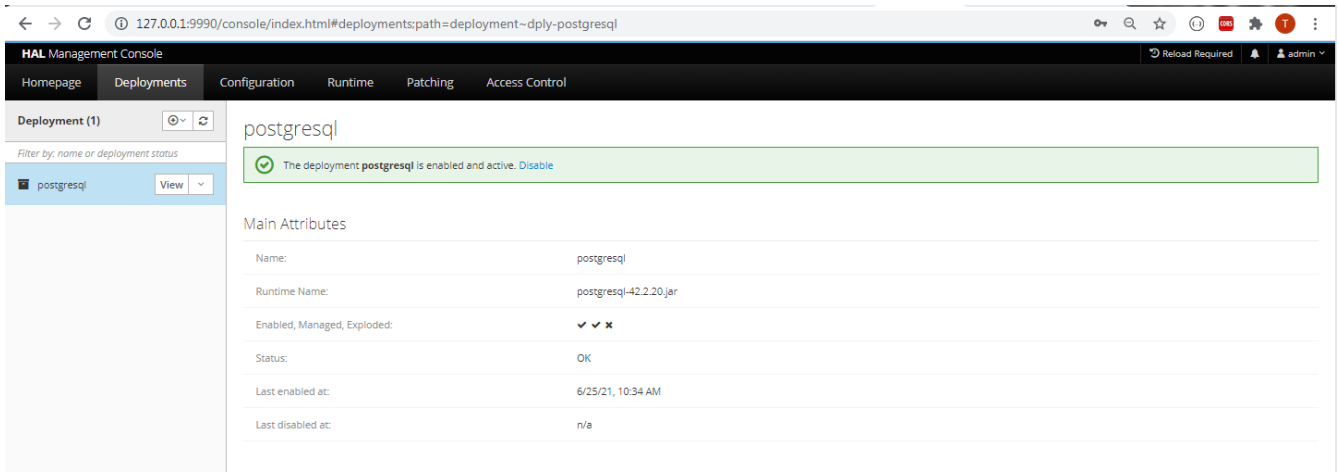


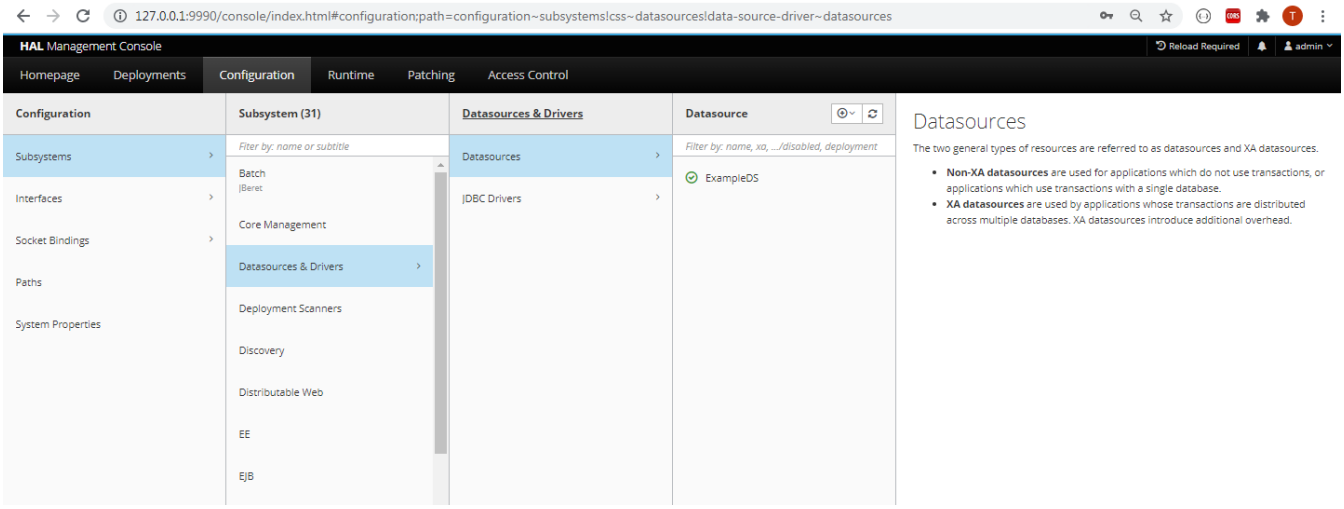
Download the PostgresSQL Driver .JAR file to use from https://jdbc.postgresql.org/download.html



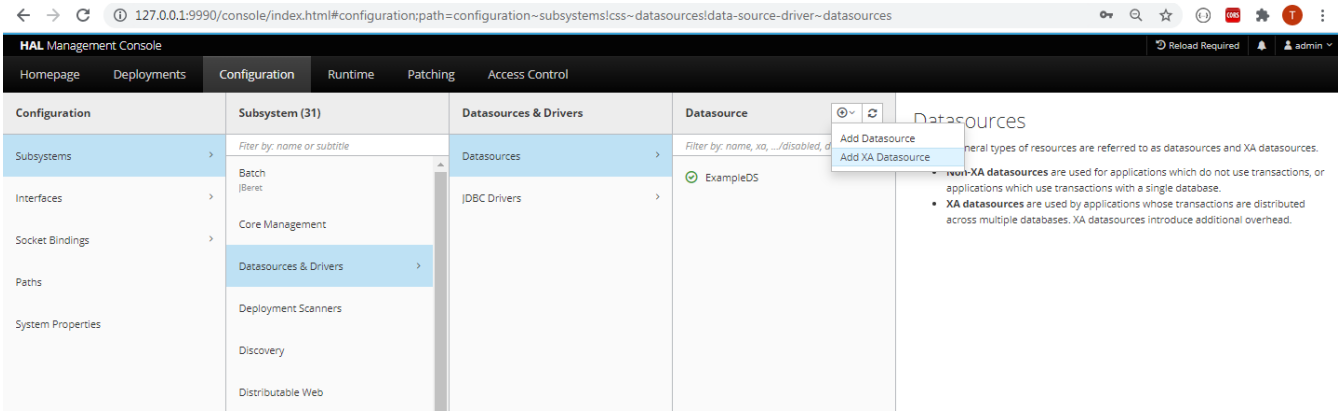
Upload the PostgresSQL Driver .JAR file into the Deployments section in Wildfly

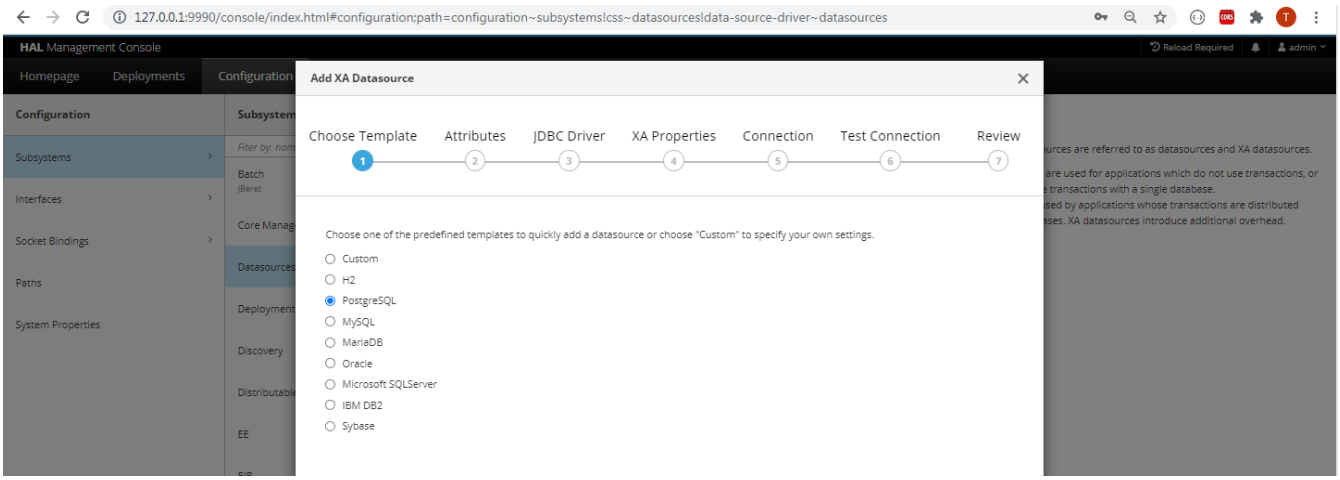


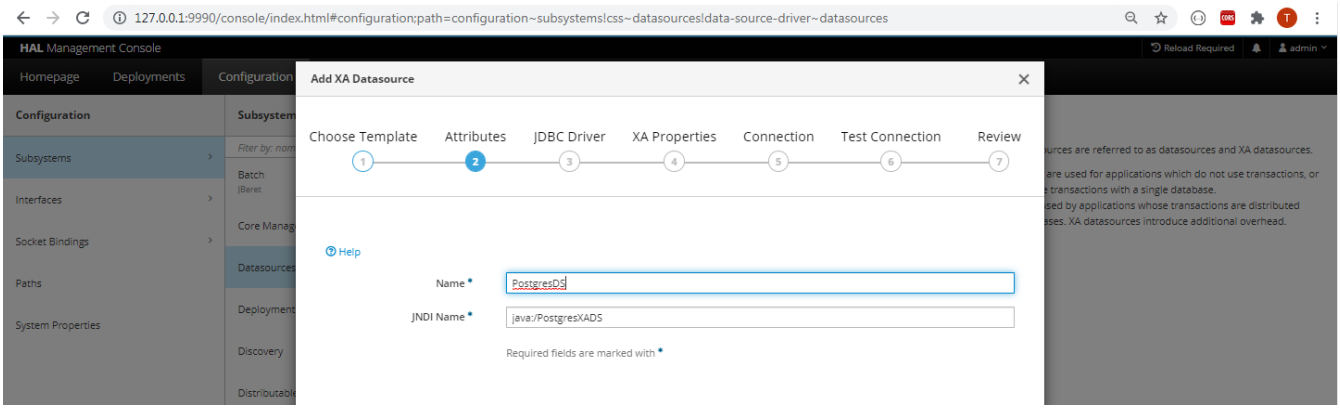


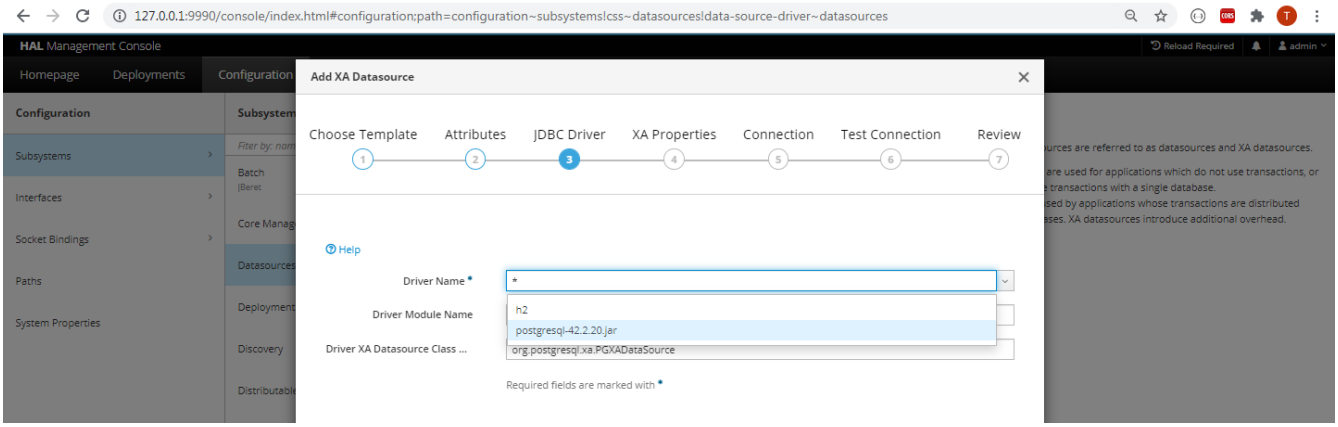


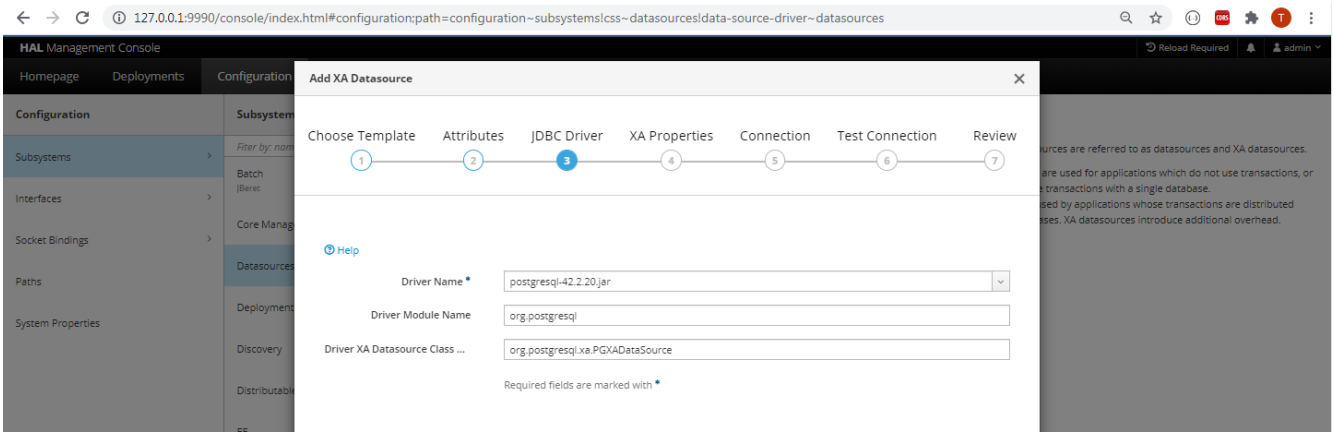
Add a new Datasource as below



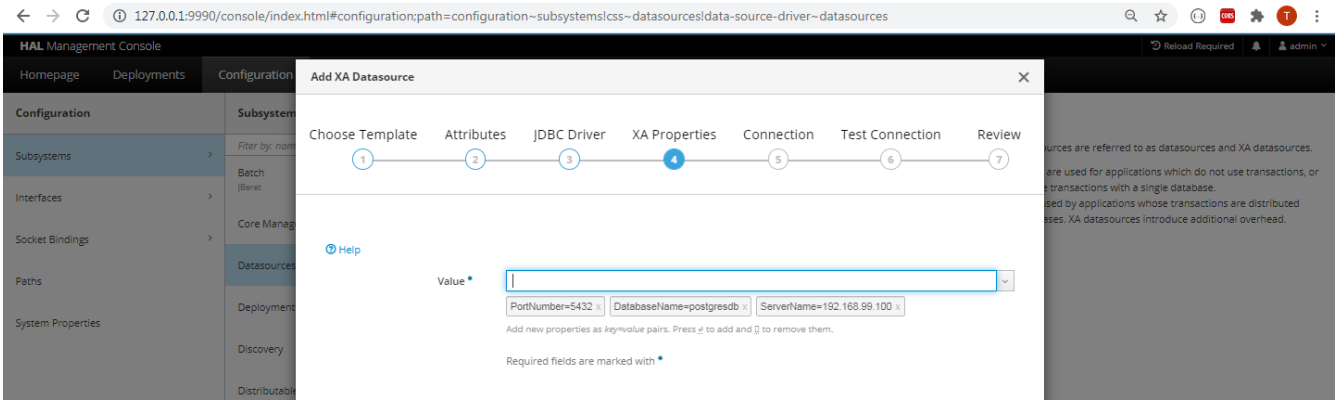


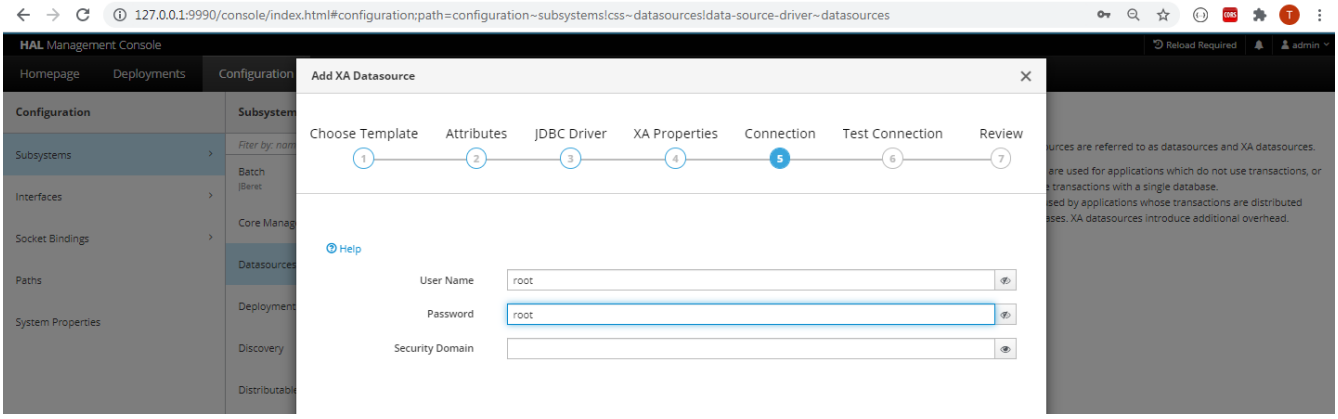


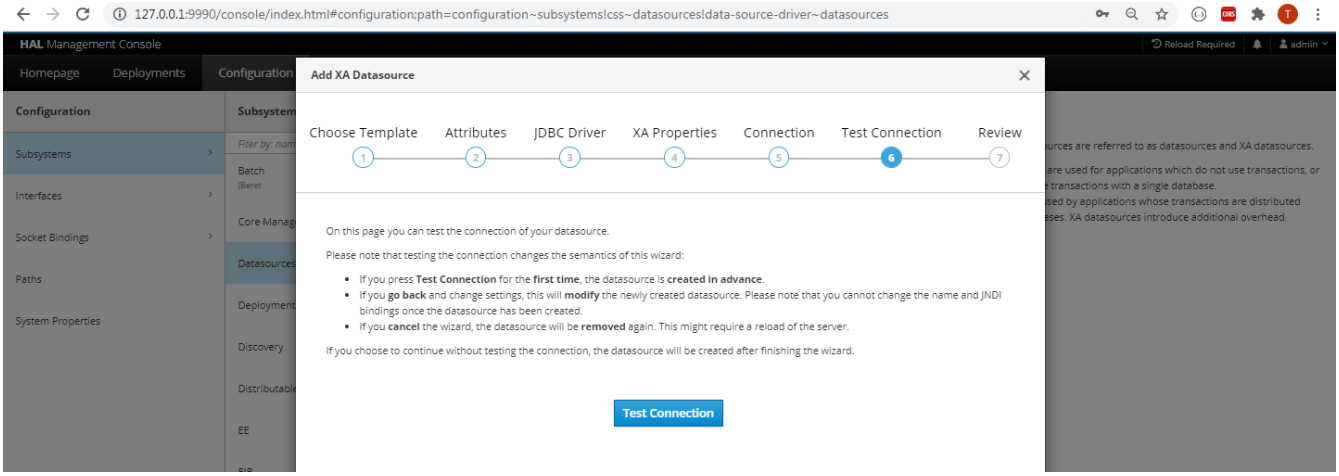


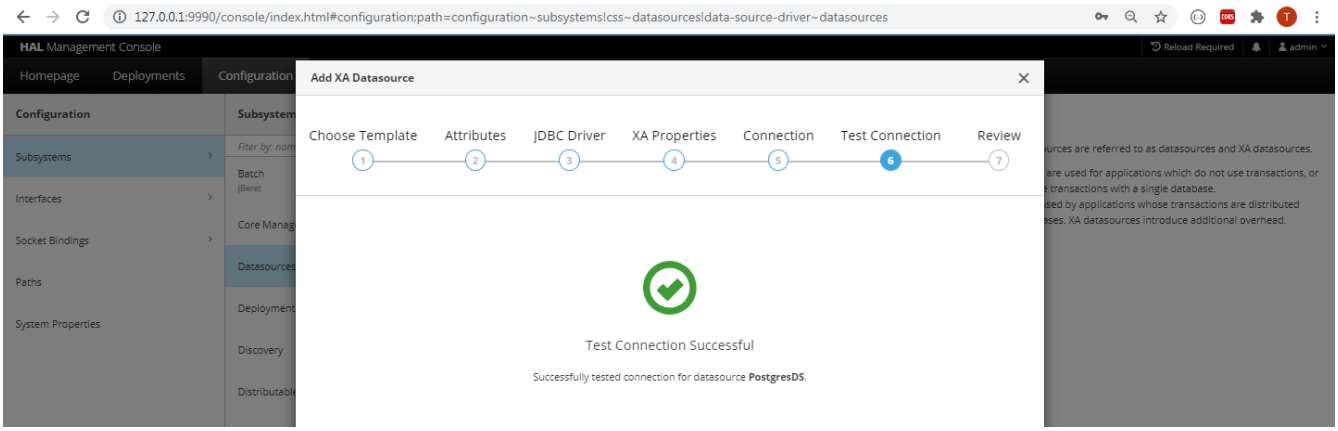


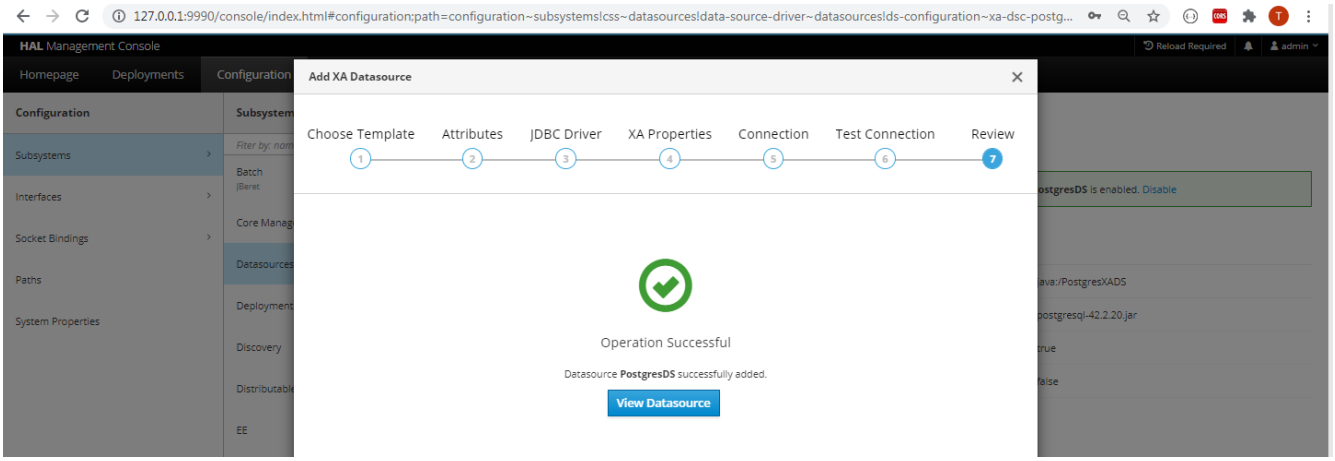
Add the XA Property values that identifies where your Postgres database is running **ServerName=192.168.99.100, PortNumber=5432, DatabaseName=postgresdb**

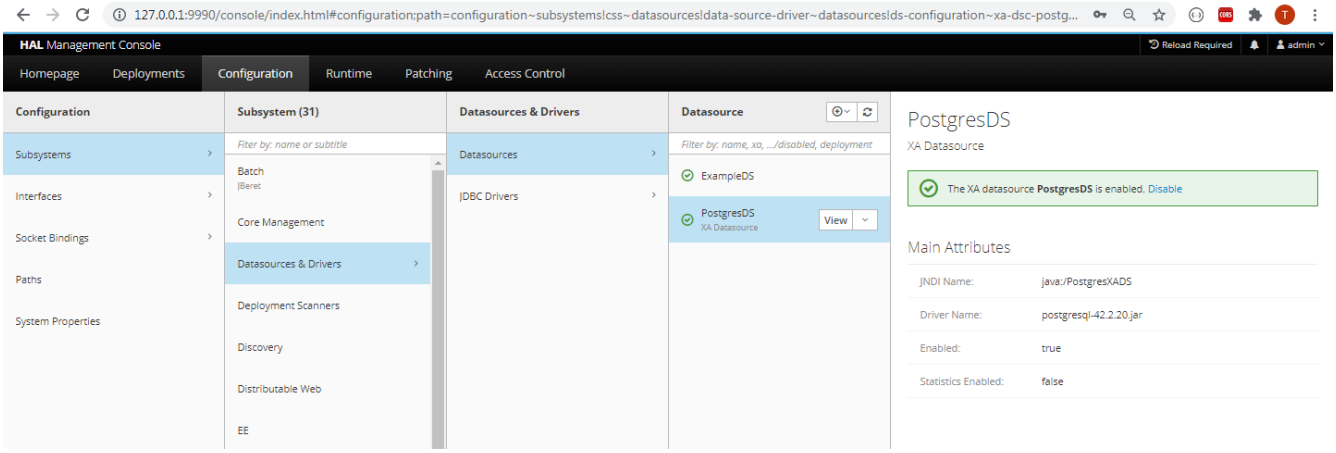

127.0.0.1:9990/console/index.html#configuration;path=configuration~subsystems!css~datasources!data-source-driver~datasources
HAL Management Console
Reload Required
admin
Homepage
Deployments
Configuration
Add XA Datasource
Choose Template
Attributes
JDBC Driver
XA Properties
Connection
Test Connection
Review
Help
Value *
PortNumber=5432
DatabaseName=postgresdb
ServerName=192.168.99.100
Add new properties as key=value pairs. Press ↵ to add and ⌫ to remove them.
Required fields are marked with *


127.0.0.1:9990/console/index.html#configuration;path=configuration~subsystems!css~datasources!data-source-driver~datasources
HAL Management Console
Reload Required
admin
Homepage
Deployments
Configuration
Add XA Datasource
Choose Template
Attributes
JDBC Driver
XA Properties
Connection
Test Connection
Review
Help
User Name
root
Password
root
Security Domain

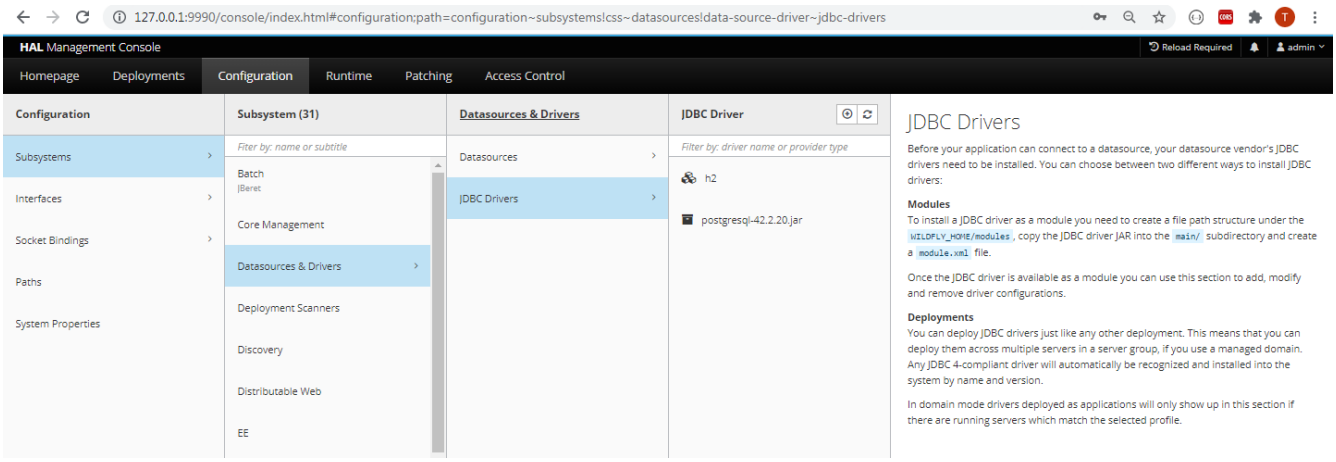

127.0.0.1:9990/console/index.html#configuration;path=configuration~subsystems!css~datasources!data-source-driver~datasources
HAL Management Console
Reload Required
admin
Homepage
Deployments
Configuration
Add XA Datasource
Choose Template
Attributes
JDBC Driver
XA Properties
Connection
Test Connection
Review
On this page you can test the connection of your datasource.
Please note that testing the connection changes the semantics of this wizard:
If you press Test Connection for the first time, the datasource is created in advance.
If you go back and change settings, this will modify the newly created datasource. Please note that you cannot change the name and JNDI bindings once the datasource has been created.
If you cancel the wizard, the datasource will be removed again. This might require a reload of the server.
If you choose to continue without testing the connection, the datasource will be created after finishing the wizard.
Test Connection

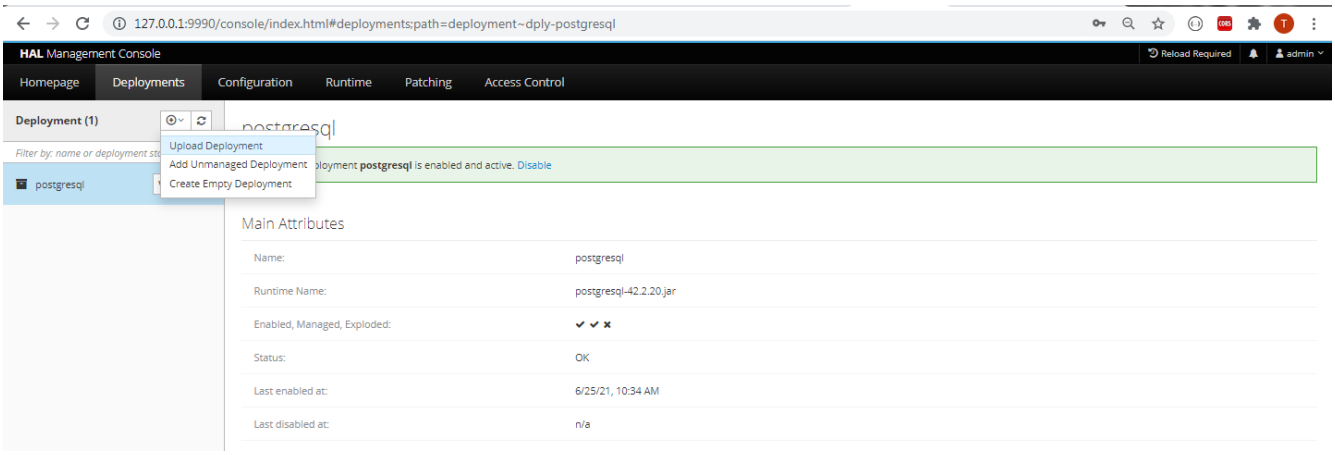

127.0.0.1:9990/console/index.html#configuration;path=configuration~subsystems!css~datasources!data-source-driver~datasources
HAL Management Console
Reload Required
admin
Homepage
Deployments
Configuration
Add XA Datasource
Choose Template
Attributes
JDBC Driver
XA Properties
Connection
Test Connection
Review
Test Connection Successful
Successfully tested connection for datasource PostgresDS.



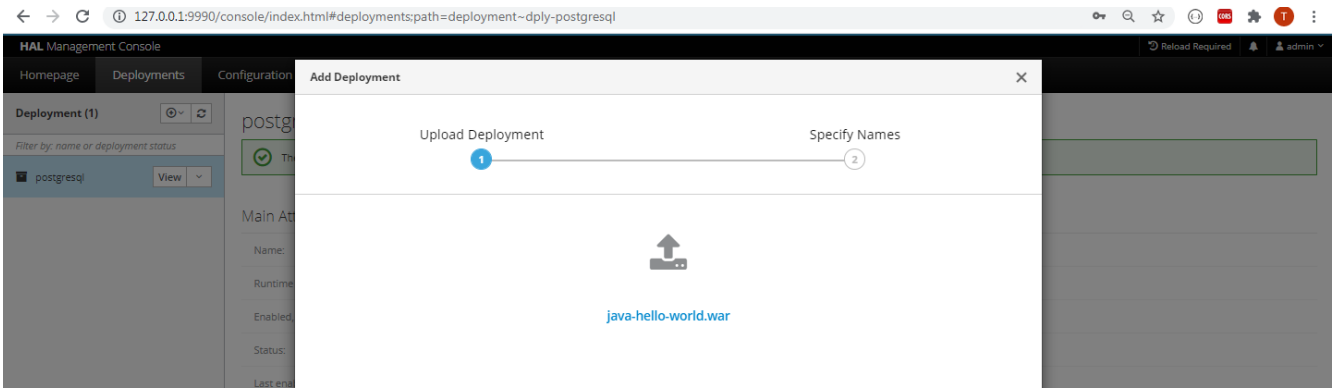


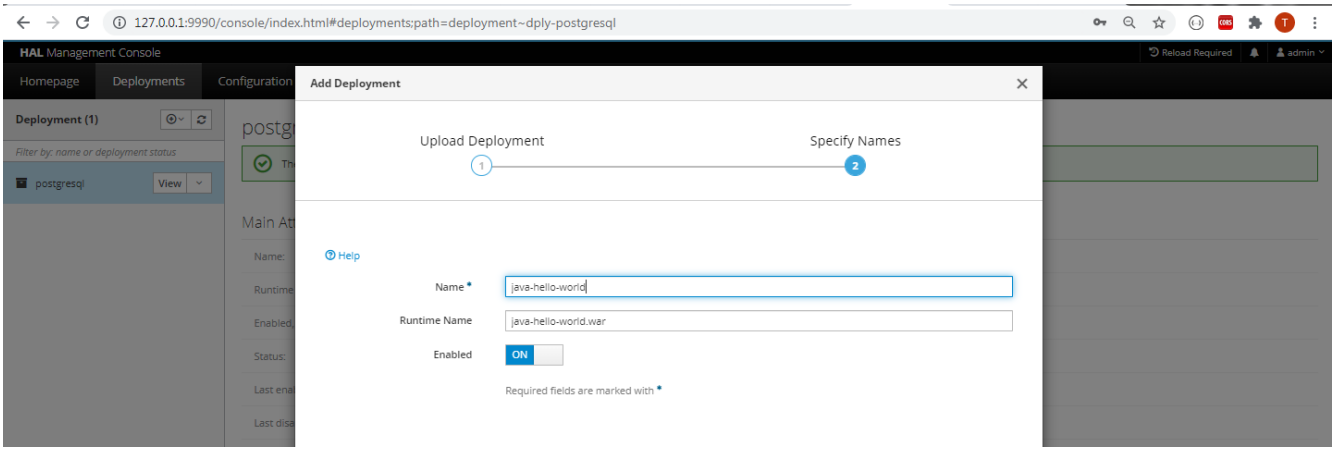
You now have the Postgres datasource connected and available for use.

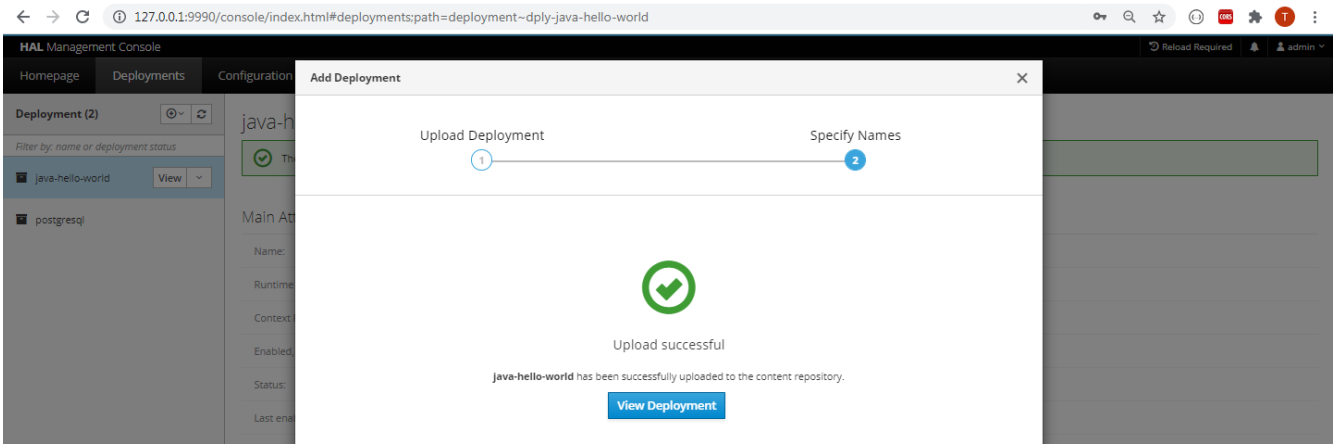


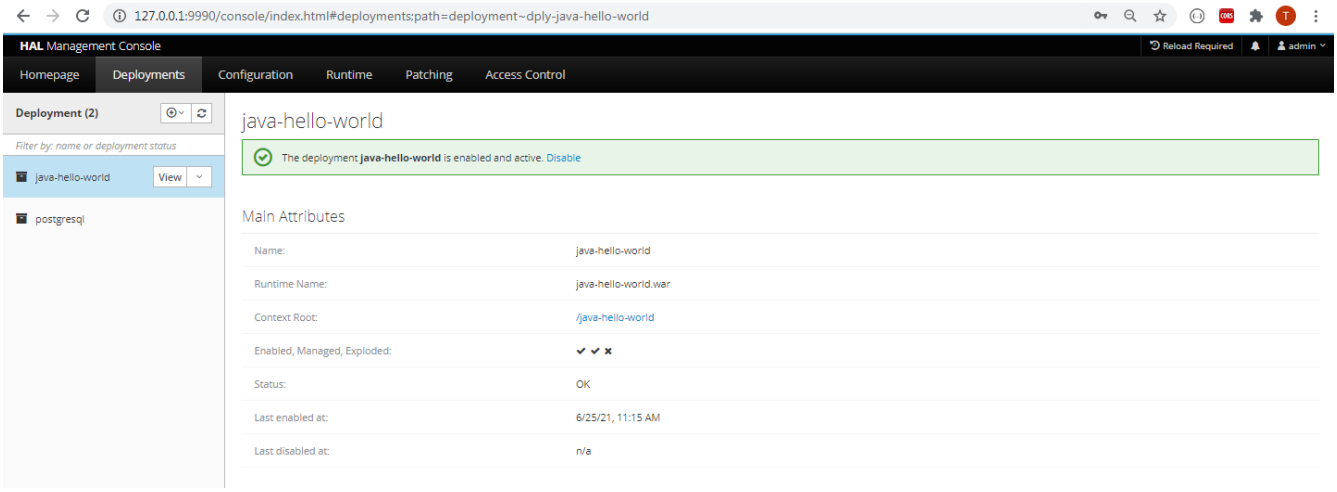


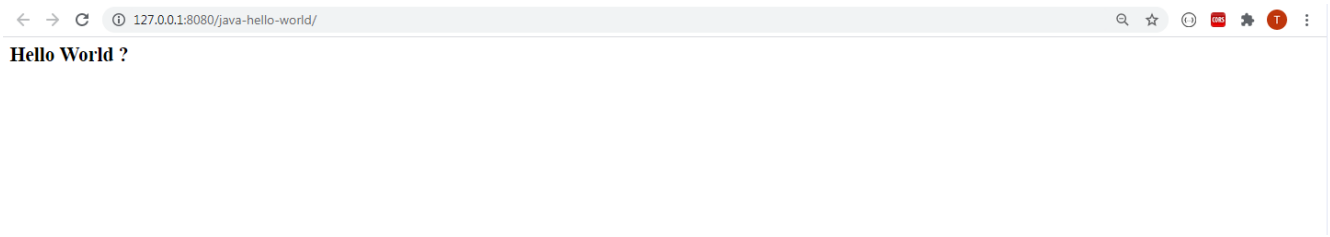
You can now upload your Legacy application .JAR or .WAR files using Postgres as database in the Deployment section.








127.0.0.1:9990/console/index.html#deployments;path=deployment~dply-java-hello-world
HAL Management Console
Reload Required
admin
Homepage
Deployments
Configuration
Runtime
Patching
Access Control
Deployment (2)
Filter by: name or deployment status
java-hello-world
View
postgresql
java-hello-world
The deployment java-hello-world is enabled and active. Disable
Main Attributes
Name:
java-hello-world
Runtime Name:
java-hello-world.war
Context Root:
/java-hello-world
Enabled, Managed, Exploded:
Status:
OK
Last enabled at:
6/25/21, 11:15 AM
Last disabled at:
n/a


127.0.0.1:8080/java-hello-world/
Hello World ?