

REQUIREMENTS-DEPL OYMENT-JAVA WEB SERVER

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PREFACE

In this document we will explain how to deploy the java web server on your own server. We will also explain the installation of java and MySQL. The chapters are separated in install order, and it's recommended to follow the chapters in order for the best result.

Installing java 8 or higher

You can skip this part if the server already has java 8 or higher.

Downloading java

This web-application uses java 8. This means that at least java 8 or higher needs to be installed on the server.

To download java 8 follow this link :


<https://www.java.com/nl/download/manual.jsp>



Download Option	File Size	Instructions
 Windows Online	bestandsgrootte: 1.8 MB	Instructies
 Windows Offline	bestandsgrootte: 63.17 MB	Instructies
 Windows Offline (64-bits)	bestandsgrootte: 71.16 MB	Instructies

Als u afwisselend een 32-bits en een 64-bits browser gebruikt, dient u zowel 32-bits als 64-bits Java-software te installeren, zodat u over een Java-plug-in voor beide browsers beschikt. » [Veelgestelde vragen over Java 64 bits voor Windows](#)

For a windows installation click on the windows offline (64-bits) button to download the application.

After the download is done navigate to the default download folder of you windows system and open the  jre-8u191-windows-x64 file.

Follow the instructions on screen and finish the installation.

For extra information on how to install java goto:

https://www.java.com/nl/download/help/index_installing.xml

Downloading Payara server

This step can be skipped if Payara server is already present on the system.

Download Payara

Payara is server protocol that runs the web application and makes it accessible to web. For now we are just going to download Payara, the deployment will come in a later chapter.

To download Payara goto:

<https://www.payara.fish/software/downloads/all-downloads/>

And download the zip:



After the download is done goto the default download folder and unzip the zip file by right clicking on it and pick unzip in the menu.

After the unzipping is done we recommend copying the newly created folder to another directory. We strongly recommend to copy the folder to the C:\ drive, this to make access later on a lot easier.

That is if for now, after the copy is done you don't need to do anything else for now to Payara.

Download and install MySQL

If MySQL is already present on the system this step can be skipped.

Downloading and installing MySQL 6.

In this tutorial we explain how to download and install the complete workbench for MySQL, **we strongly recommend to switch to the enterprise edition for commercial use, and only install the needed applications.**

For the sake of this tutorial we will install MySQL community.

GOTO:

<https://dev.mysql.com/downloads/file/?id=474210>

And click the

No thanks, just start my download.

The download will start.

After the download is done go to your default download folder and install the application. Follow the steps on screen.

During the configuration of the server, use the following settings

User : Root

Password : Root

For more information about the installation and setup of the MySQL server goto:

<https://dev.mysql.com/doc/>

DEPLOYING THE SERVER

Make sure that all above mentioned products are present on the machine before continuing.

First start a instance of the windows command prompt. This can be done by going into the windows start menu and typing CMD. The command prompt will show up, and press enter.

Best match



In the command prompt screen navigate to the folder you placed you Payara instance.
After that navigate to the bin folder of Payara.

```
C:\Users\Zilverdrake>cd C:\payara-5.183\payara5  
C:\payara-5.183\payara5>cd bin
```

Run the following command to start the server

```
C:\payara-5.183\payara5\bin> .\asadmin start-domain
```

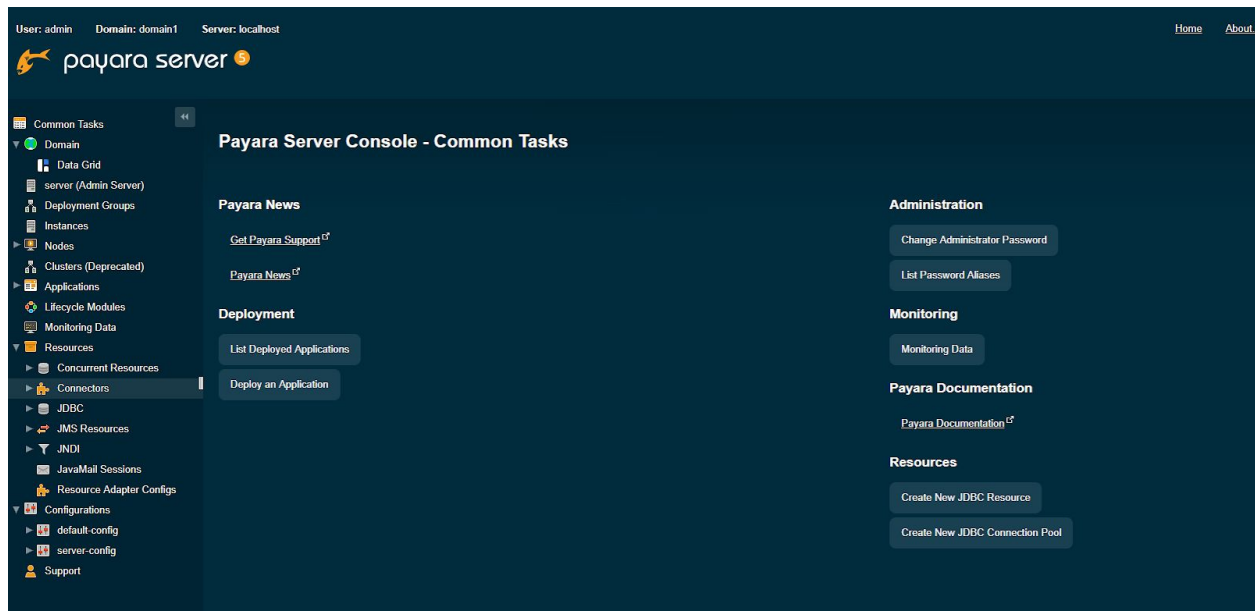
This can take a while to run, when its done it should show the following message.

```
C:\payara-5.183\payara5\bin> .\asadmin start-domain  
Waiting for domain1 to start .....  
Successfully started the domain : domain1  
domain Location: C:\payara-5.183\payara5\glassfish\domains\domain1  
Log File: C:\payara-5.183\payara5\glassfish\domains\domain1\logs\server.log  
Admin Port: 4848  
Command start-domain executed successfully.
```

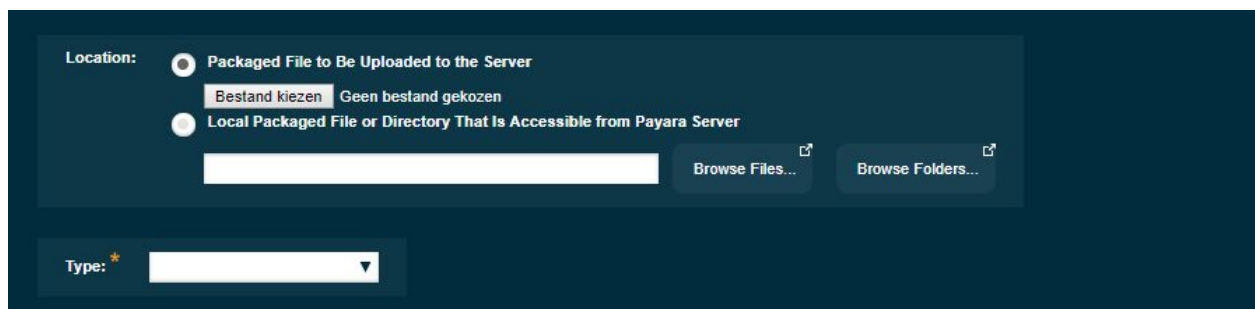
After this go to the default web browser of the system and type the following address :

<http://localhost:4848>

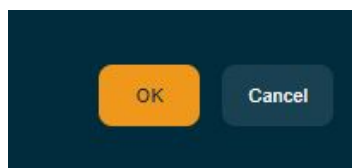
This should open the configuration screen of the Payara server.



Goto the applications button and select deploy,



Select the file location of the provided .war file and click OK in the right top corner.



The application will now deploy and will be accessible for the system. To make sure the application runs correctly you can click on the Launch button and select one the the deployment locations.

Select	Name	Deployment Order	Time Taken To Deploy (Milliseconds)	Date/Time When Application was deployed	Enabled	Engines	Action
<input type="checkbox"/>	PlotPartyEndpoint-1.0-SNAPSHOT	100	6311	6-Jan-2019 15:16:48	<input checked="" type="checkbox"/>	ejb, web	Launch ^{cf} Redeploy Reload

Application Name: PlotPartyEndpoint-1.0-SNAPSHOT

Links:

[server] <http://DESKTOP-M1IGUOJ:8080/PlotPartyEndpoint-1.0-SNAPSHOT>

[server] <https://DESKTOP-M1IGUOJ:8181/PlotPartyEndpoint-1.0-SNAPSHOT>