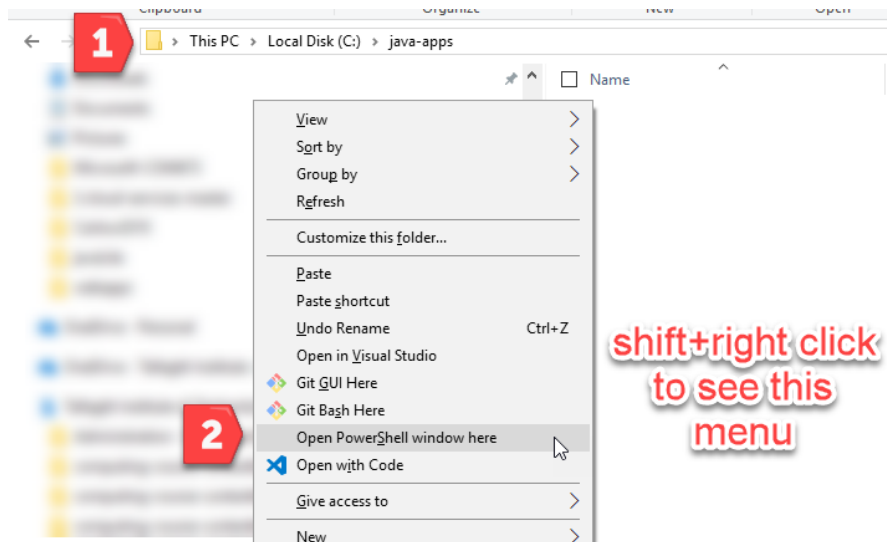


# Create a Java Web App and Deploy to Azure

## 1. Open PowerShell or CMD in your java-apps folder.

Easiest method is to open the folder in Explorer, then press shift + right click to see this menu (then chose 'open PowerShell window here'):



## 2. Use Maven to generate a Vaadin Java App

```
mvn archetype:generate -DarchetypeArtifactId="vaadin-archetype-application" -DarchetypeGroupId="com.vaadin"
```

When prompted, enter values for **groupId**, **artifactId**, and **package**. Press enter to except defaults for other options.

```
Define value for property 'groupId': ie.examples
Define value for property 'artifactId': myWebApp
Define value for property 'version' 1.0-SNAPSHOT: :
Define value for property 'package' ie.examples: : mywebapp
```

You should see 'build success' when completed:

```
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 05:42 min
[INFO] Finished at: 2019-03-28T00:16:29Z
[INFO] -----
PS C:\java-apps> dir

Directory: C:\java-apps

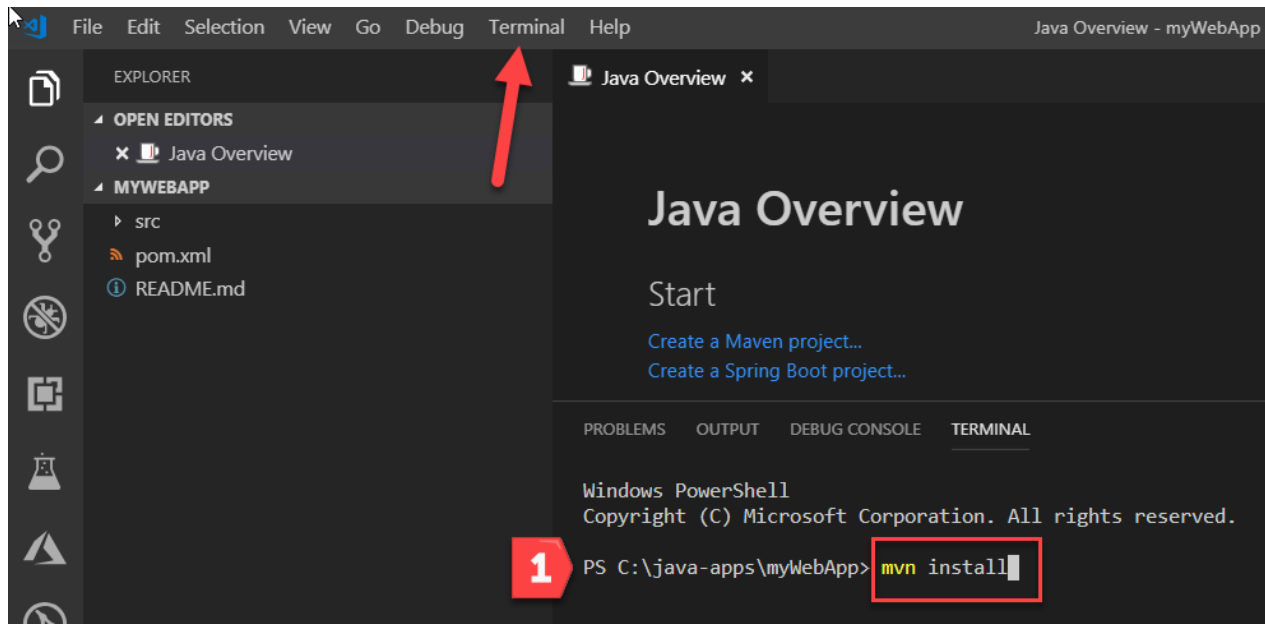
Mode                LastWriteTime         Length Name
----                -
d-----         28/03/2019     00:16             myWebApp

PS C:\java-apps> cd myWebApp
PS C:\java-apps\myWebApp> code .
```

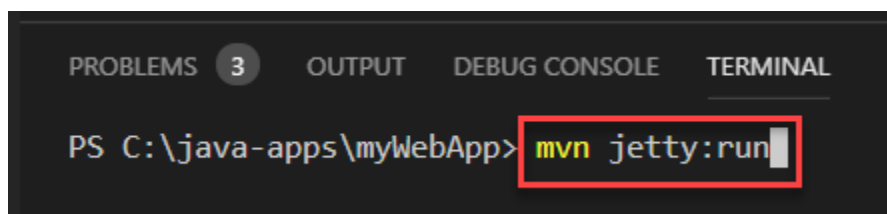
Open the new app folder in VS Code.

### 3. Build and Run the Application

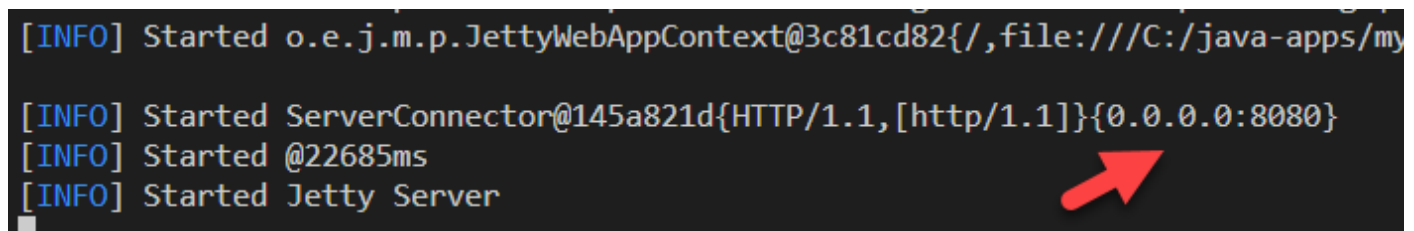
Open a terminal in VS Code and enter `mvn install` to build the web app



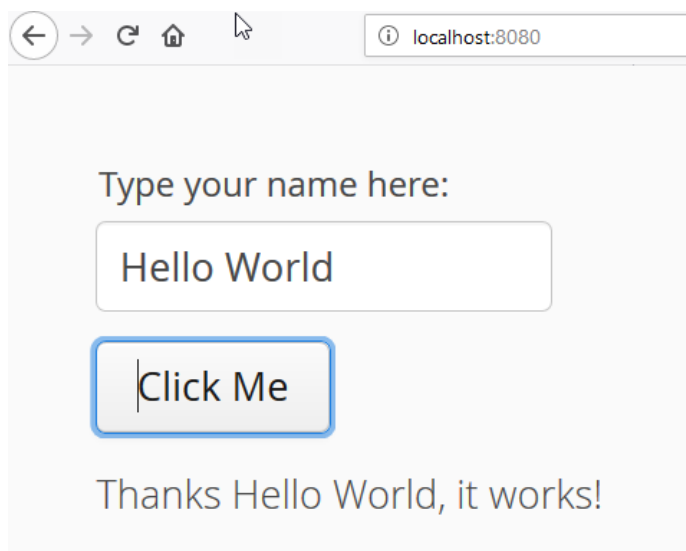
If the build succeeds, start the application using `mvn jetty:run`



After the command completes, you should see:

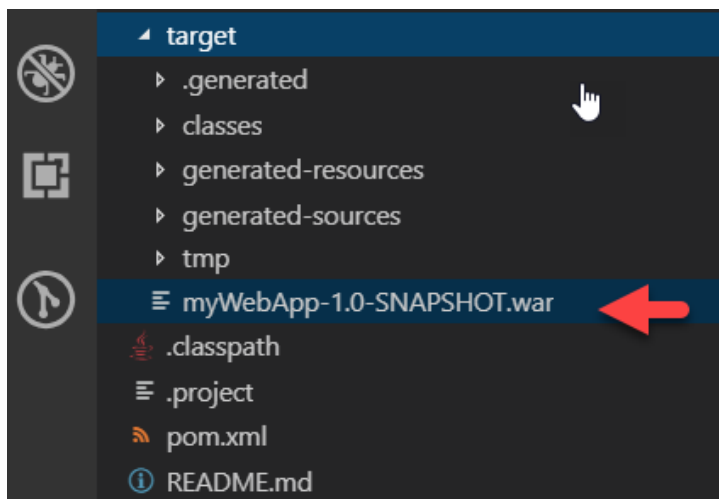


Open <http://localhost:8080> in a web browser to see the result:

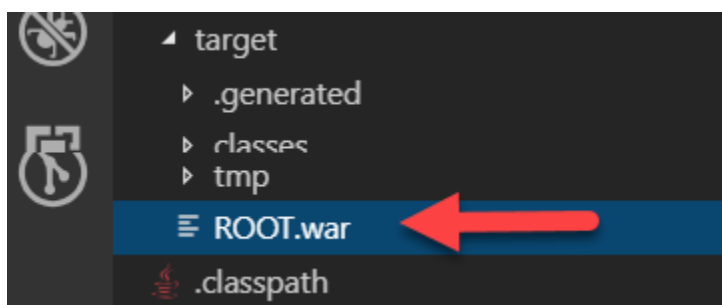


#### 4. Deploy the Application

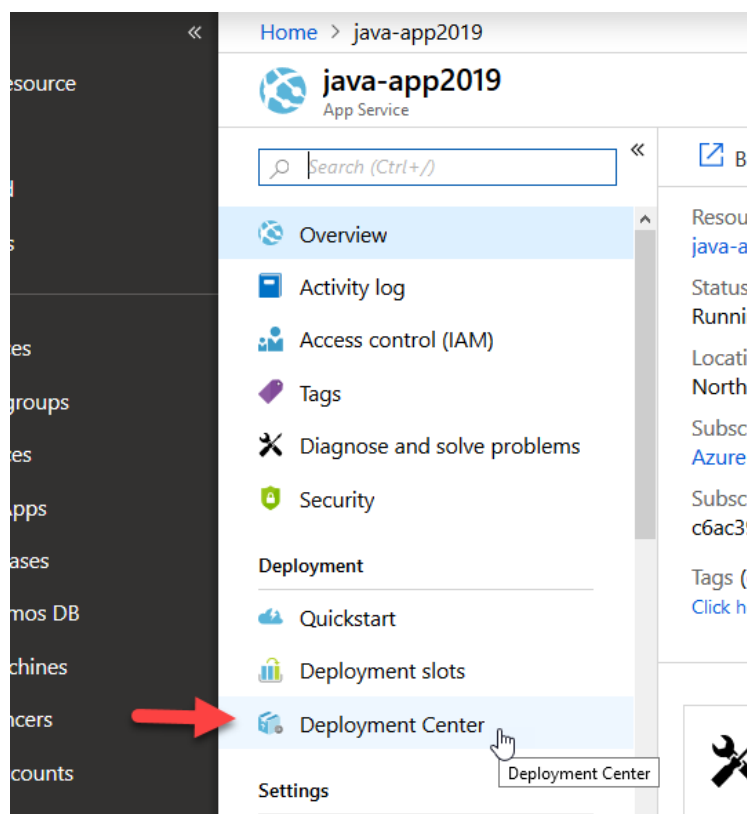
1. First locate the **WAR** file in the target folder of your application.



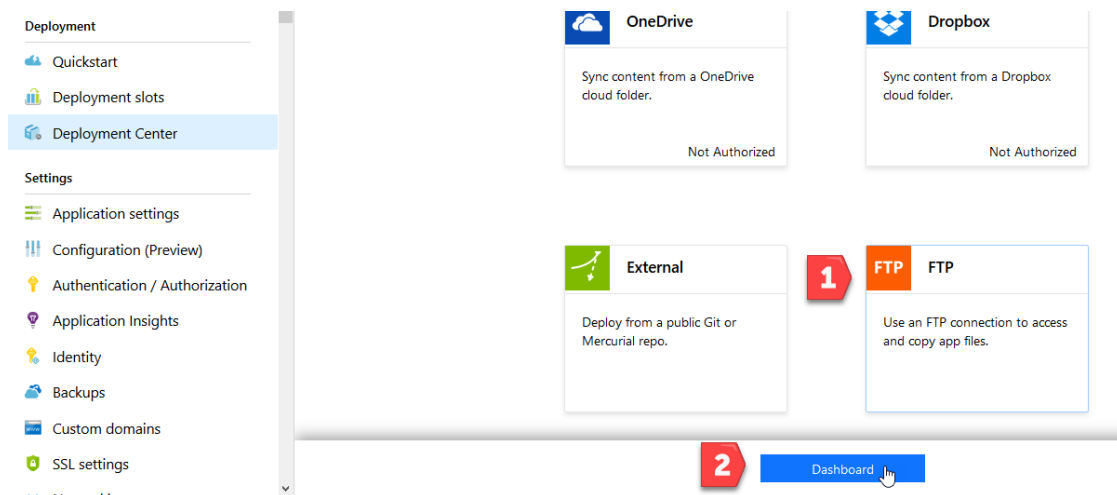
Rename to **ROOT.war**



2. Configure Deployment Options in the Azure Web App. Open the Application in the Azure Portal and select from the options:



Choose FTP from the options, then click Dashboard



Configure User Credentials – a username and password. Copy the FTPS endpoint address and note the full username (red box):

FTP

FTP

×

App Service enables you to access your app content through FTP/S. [Learn more](#)

FTPS Endpoint

`ftps://waws-prod-db3-129.ftp.azurewebsites.windows.net/site/wwwroot`

Copy

App Credentials

1

User Credentials

User Credentials are defined by you, the user, and can be used with all the apps to which you have access. These credentials can be used with FTP, Local Git and WebDeploy. If you are using User credentials to connect to your app, the username will need to be put in as `'java-app2019\e733'`

Username

e733

2

Password

●●●●●●●●

Confirm Password

3

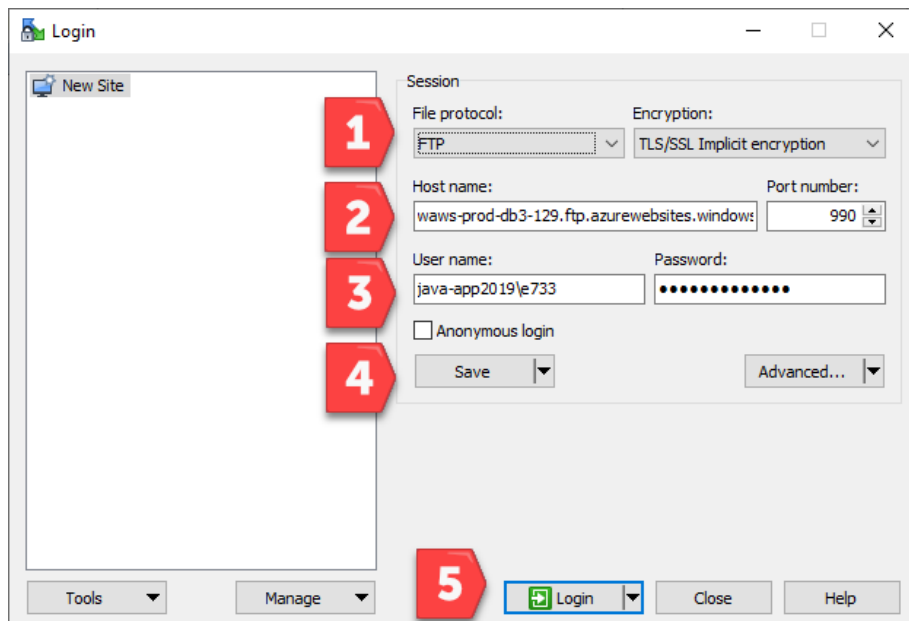
●●●●●●●●

4

Save Credentials

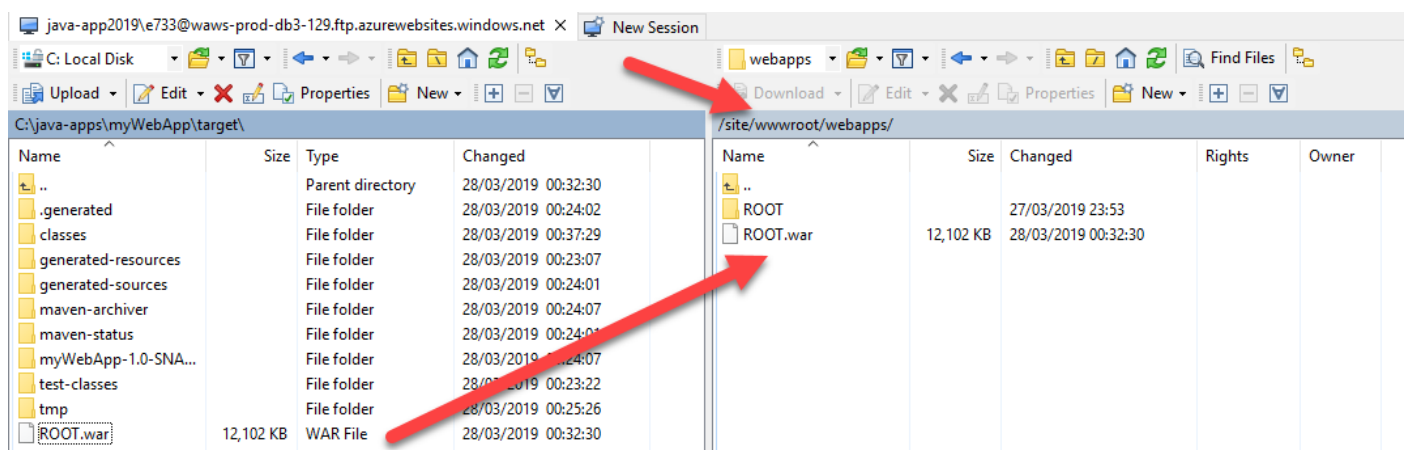
### 3. Connect to the App via FTP

Use FTP client such as WinSCP, to connect. Download from <https://winscp.net> Install with defaults the configure the connection:



Save the site then Login. The FTP connection will open and display the Azure Web App files:

Navigate to the `/site/wwwroot/webapps/` folder on the remote site and copy ROOT.jar:



### 5. Test the Application

Open the Azure Web App address in a web browser

