

The background of the slide is a blue watercolor wash. It features a large, dark blue area on the left side, which transitions into lighter shades of blue and teal towards the right. The edges of the color wash are soft and irregular, typical of watercolor painting. The overall effect is a textured, artistic background.

***DEPLOYMENT***



# ***How To: Deploy .war file on Azure server***

- sign up to azure as a student
- open Azure CLI in browser upload .war file
- Create a Resource Group (organizes your resources): `az group create --name research_group --location westeurope`
- Create an App Service Plan(defines the pricing and scaling of your web app): `az appservice plan create --name MyAppServicePlan --resource-group MyResourceGroup --sku F1 --is-linux`
- Create the Web App: `az webapp create --resource-group research_group --plan MyAppServicePlan --name MySOAPWebApp --runtime "TOMCAT|9.0-java11"`
- Deploy the Application: `az webapp deploy --resource-group research_group --name MySOAPWebApp --src-path FirstSOAPApplication-0.0.1-SNAPSHOT.war`
- Access the Application: `echo "https://mysoapwebapp.azurewebsites.net"`
- Debug and Monitor Logs: `https://mysoapwebapp2.scm.azurewebsites.net/api/logstream` or in generell: `https://mysoapwebapp2.scm.azurewebsites.net/`



# ***Difficulties***

- First, I created the app as a java application, so I had to redo it with the java container tomcat
- Version mismatch
- Making sure not to use cached versions



# How To: Deploy .jar file on Azure server

- Nearly the same as for .war file, differences:
- Add this in pom.xml file for .jar creation
- (Runtime stack Java 21)
- Java web server stack: Java SE (Embedded Web Server)

```
<build>
  <sourceDirectory>src/main/java</sourceDirectory>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-jar-plugin</artifactId>
      <version>3.4.2</version>
      <configuration>
        <archive>
          <manifest>
            <mainClass>moreCountryInformation.Exporter</mainClass>
          </manifest>
        </archive>
      </configuration>
    </plugin>

    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-shade-plugin</artifactId>
      <version>3.6.0</version>
      <executions>
        <execution>
          <phase>package</phase>
          <goals>
            <goal>shade</goal>
          </goals>
        </execution>
      </executions>
    </plugin>
  </build>
```



# ***Difficulties***

- The method of file reading was different when packaged into a jar file, needed fixing
- Some things had to be changed in the pom.xml e.g. we had one dependency with `<scope>provided</scope>`. This means that the dependency was not included in the jar file (in eclipse it still worked though)



***Thanks for  
listening***

