

Setup process for Augmented Reality Web Service:

1. Apache Tomcat

- a. Download Apache Tomcat 8(latest version) from this link
<https://tomcat.apache.org/download-80.cgi>
- b. Setup Apache Tomcat
- c. Set CATALINA_HOME in environment variables
- d. Add path to bin folder in *Path* variable
- e. Check this link for reference
<https://tomcat.apache.org/tomcat-8.0-doc/windows-service-howto.html>
- f. Start service before deploying any webapp

2. MongoDB

- a. Download MongoDB <https://www.mongodb.org/downloads>
- b. Setup MongoDB
- c. Add path to *Path* variable
- d. Use mongod.exe to start the MongoDB server
- e. Use mongo.exe shell to play around with database and collection
<http://docs.mongodb.org/manual/>
- f. Download and use Robomongo GUI tool to ease DB manipulation
<http://robomongo.org/>
- g. Always start the server before running the app using it

3. Netbeans project(for development)

- a. Download the project folder
- b. File -> Open Project -> Select the project folder
- c. Make sure all the libraries are added – Struts, JSTL, Jersey, JAX-RS, Mongo-Java Driver
- d. Start the server from Services tab
- e. Start the MongoDB server
- f. Run the application (F6)

4. Deploying on server

- a. Build the war(web archive) file using Netbeans
- b. Copy-paste the war file in webapps folder of Apache Tomcat directory
- c. Start the Apache Tomcat service
- d. Travel to URL using the given path (Example:
localhost:8-84/AugmentedRealityService)

Summary:

Paths to be set (all till bin folder)

- jdk
- jre
- apache-tomcat
- mongodb

Set environment variables

- CATALINA_HOME
- JAVA_HOME