Arduino Simulator installation instructions

1 Install Java JDK

Install Java JDK from https://www.oracle.com/java/technologies/javase-downloads.html. Follow the instruction for your operating system.

2 Install a servlet container

We will be using Apache Tomcat as our servlet container but you can use another one.

Follow the setup guide at https://tomcat.apache.org/tomcat-8.5-doc/setup.html to install Apache Tomcat.

3 Deploy the simulator

You can use the Apache Tomcat manager interface at http://server_domain_or_IP:8080/manager/html and use the option Select WAR file to upload.

Tomcat Web Application Manager

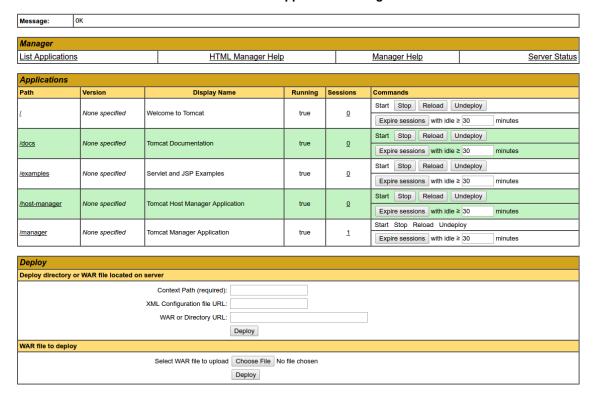


Figure 1: Apache Tomcat manager interface

To use the web interface you may need to edit the file tomcat-users.xml and add a user with the roles manager-gui and admin-gui.

You can also copy the WAR simulator file directly to the webapps folder in the Apache Tomcat installation base.

Tomcat will detect the file and automatically deploy the application.

3.1 Email settings

To register new users the applications needs to send emails.

With the default setting it is expected that a SMTP server is running on localhost that accepts connections without authentication.

To configure different email settings you should edit the file webapps/arduino/META-INF/context.xml and put your email settings in the mail/Session resource.

The available options can be consulted at https://javaee.github.io/javamail/docs/api/overview-summary.html.

Figure 2: Email resource example

4 Administer the simulator

The default username is admin and the default password is 123.

There is a page at APP/admin/db.jsp, accessible only to admin user where you can execute SQL to query and update the database if needed.