

Bot Libre Enterprise Bot Platform Developers Guide

Overview

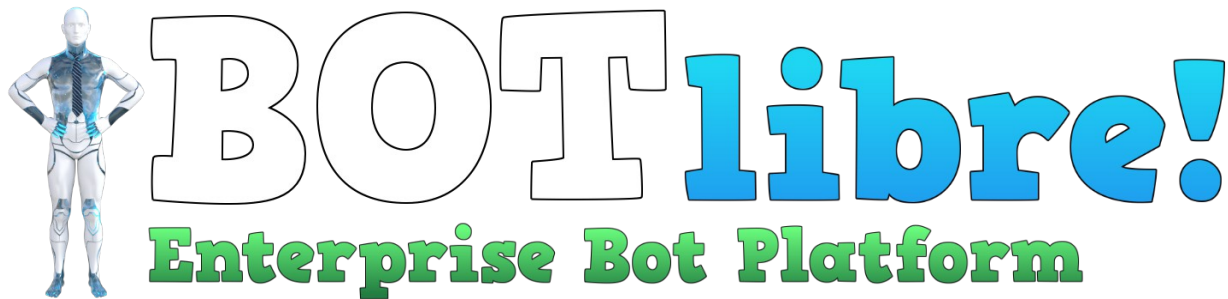
The Bot Libre Enterprise Bot Platform has the following components:

- A Java web application – This runs on a web server and requires the Tomcat Java web server. Tomcat is a free and open source software product. Bot Libre is a Java “war” application that is deployed to the web server. To host Bot Libre a server is required to run the web server.
- A database -- The Bot Libre web application requires a PostgreSQL database. PostgreSQL is a free and open source software product. The database should normally run on the same server as the web server.
- A python web server – This runs in Python using Flask and is used to integrate with deep learning and Tensorflow. This web server is internal and only accessed from Tomcat.
- A web interface -- Bot Libre provides a web (HTML/JavaScript) interface that runs from its web server. This is the users primary interface to create, and administer their content.
- A web API – Bot Libre provides a web API that allows web and mobile clients to access content on its web server.
- An SDK – Bot Libre provides an open source software development kit in JavaScript, Java, Android, and objective C (iOS). This SDK gives access to Bot Libre's services from web and mobile applications.
- An AI engine – Bot Libre uses an artificial intelligence engine to service chat bots requests on its web server. Paphus develops the AI engine under BotLibre.org, and released the product as open source in September 2015.
- Third party libraries – Bot Libre uses several free open source third party libraries such as EclipseLink , Twitter4J, Facebook4J, and MaryTTS, Tensorflow, Flask.

Installation

To install Bot Libre platform on a developers machine follow the following steps:

- Ensure a Java JDK is installed (not a JRE)
- Install Tomcat webserver from its website download (unzip into tomcat directory)



- Install PostgreSQL database from its website download
- Install Postgres PGAdmin application
- Install Python and PIP, install tensorflow, flask and pycpg2
- Install Eclipse IDE
- Unzip Bot Libre Platform Eclipse project, import into Eclipse
- Copy jar files from Bot Libre Platform project lib directory to tomcat lib directory (do not copy botlibre-ai.jar, do not overwrite existing jars)
- Unzip voices.zip into tomcat/bin/lib (if speech is desired)
- Update Site.java in Eclipse with database password, website name, branding
- Rebuild/deploy botlibreplatform.war to tomcat/webapps/ROOT.war
- Start tomcat, verify website
- Create “template” bot, reset knowledge, scripts, and disable learning settings
- Create test bot to test
- Website default user is “admin” “password”

Troubleshooting


If you encounter any issues please contact support@botlibre.biz

- For tomcat issues check tomcat/logs/catalina.out
- Running build.xml ant target to build war requires eclipselink.jar and persistence.jar to be on the classpath, and requires a JDK installed (not a JRE)
- Check your bot's Log page in its Admin Console for errors
- Do debug a bot's responses click on the “debug” level “FINE” in its web chat
- Use the debug() function to debug a Self script

Links

Refer to <https://www.botlibre.biz> and <https://www.botlibre.com> for documentation, examples, and help.

- Docs - <https://www.botlibre.com/doc.jsp>



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Enterprise Bot Platform

- Forums - <https://www.botlibre.com/forum?category=BOT+libre>
- Example Scripts - <https://www.botlibre.biz/browse?browse-type=Script>
- Web API - <https://www.botlibre.com/api.jsp>
- GitHub – Android SDK - <https://github.com/BotLibre/BotLibre/tree/master/sdk/android>
- GitHub – iOS SDK - <https://github.com/BotLibre/BotLibre/tree/master/sdk/ios>
- JavaScript SDK - <https://www.botlibre.com/scripts/sdk.js>
- JavaScript API Doc - <https://www.botlibre.com/jsdoc/index.html>
- Help Bot - <http://helpbot.botlibre.biz/>
- Live Chat - <https://www.botlibre.biz/livechat?id=113>
- Skype - @paphussolutions
- Email – support@botlibre.biz