

Writing your first Teamchat Bot in 5 minutes

Prerequisites

1. A valid email ID for the bot and another email ID for testing. We use bot@teamchat.com and user@teamchat.com. In the code snippets below, please remember to replace these with the appropriate email addresses and also update the password.
2. The Java development kit and optionally an IDE. We recommend Eclipse. You can get the tools from
 - a. JDK: <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
 - b. Eclipse: <http://eclipse.org/downloads/packages/eclipse-ide-java-developers/lunasr2>

Quickstart Steps

1. Register both the bot and the user on teamchat at: <https://enterprise.teamchat.com/webjimechat/html/getotp.html?page=signup&v=2.8.4>
2. Enter the OTP to verify the email address and then set a password.
3. Download the SDK from <http://www.teamchat.com/wp-content/uploads/2015/03/teamchat-sdk-java-1.0.zip>. Unzip it to get [teamchat-sdk-java-1.0.jar](#).
4. Configure your IDE to use the above jar file. For eclipse the following steps can be used
 - a. Create a new java project in Eclipse. Add a folder called lib in this project.
 - b. Copy the Jar file ([teamchat-sdk-java-1.0.jar](#)) into the lib folder you just created.
 - c. Add the JAR file to the project's build path
5. Create a new package test
6. Create a new java file called DemoBot.java in the above package.
7. Copy the snippet below to DemoBot.java
8. Compile and run DemoBot.java
9. Login to teamchat as user@teamchat.com
10. Create a new room with bot@teamchat.com and send a message Hi in that room.
11. You should see a reply from the Bot with the text - Hello World!!

Code Snippet

```
package test;

import com.teamchat.client.annotations.OnKeyword;
import com.teamchat.client.sdk.TeamchatAPI;
import com.teamchat.client.sdk.chatlets.TextChatlet;

public class DemoBot {

    /**
     * This method creates instance of teamchat client, login using
     specified
     * email/password and wait for messages from other users
     */
    public static void main(String[] args) {
        TeamchatAPI api = TeamchatAPI.fromFile("teamchat.data")
            .setEmail("bot@teamchat.com") //change to your teamchat
            registered email id
            .setPassword("password") //change to your teamchat password
            .startReceivingEvents(new DemoBot()); //Wait for other user to
            send message
    }

    /**
     * This method posts Hello World message, when any user posts hi
     message to
     * the logged in user (see main method)
     */
    @OnKeyword("hi")
    public void HelloWorld(TeamchatAPI api)
    {
        api.perform(
            api.context().currentRoom().post(
                new TextChatlet("Hello World!!")
            )
        );
    }
}
```