

Chat

The project contains 3 modules that deal with Chats :

`perobobbot.chat.core`

Define a chat API at its simplest form

`perobobbot.chat.advanced`

Define a more advanced Chat API base on the core API

`perobobbot.chat.websocket`

Provides an implementation of the core API using websocket

Core API

The core API defines 2 main interfaces `ChatIO` and `Chat`. The `ChatIO` interface offers method to send and to listen to incoming messages:

ChatIO Interface

```
public interface ChatIO {

    /**
     * Send a message to the chat
     * @param message the message to send
     */
    void postMessage(@NonNull String message);

    /**
     * Add a listener that will be called every time an event occurs
     * (error, connection, message received...).
     * @param listener the listener to add to the chat listener list
     * @return a subscription that can be used to remove the listener
     */
    @NonNull
    Subscription addChatListener(@NonNull ChatListener listener);

    /**
     * @return true if the chat is active
     */
    boolean isRunning();
}
```

The `Chat` interface extends the `ChatIO` interface by offering the 2 methods `start` and `requestStop` to manage the lifecycle of the chat :

Chat Interface

```
public interface Chat extends ChatIO {  
  
    /**  
     * Start the chat. must return  
     * when the chat is actually started and  
     * message can be sent without error  
     */  
    void start();  
  
    /**  
     * Request the chat to stop.  
     * should return immediately  
     */  
    void requestStop();  
  
}
```