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Genesys SMS Aggregation Service HTTP API User Guide

[Sample Java code to interact with Genesys API](#)

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Sample Java code to interact with Genesys API

```
import java.io.BufferedReader;
import java.io.DataOutputStream;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
import java.net.URLEncoder;

import java.util.UUID;

public class Demo {

    public static void main(String[] args) throws IOException {

        String username      = "USERNAME";                // The
        username provided to the client by Genesys
        String password      = "PASSWORD";
        // The password provided to the client by Genesys
        String message       = "Hey";                    // The
        message to be sent.
        String messageId     = String.valueOf(UUID.randomUUID()); // A
        unique message id.
        // In this example we use UUID to generate an ID, but any value can be used
        as long as it's unique
        String phoneNumber    = "12345";                  // The
        phone number to which the message is to be sent.
        String shortCode     = "99222";                  // The
        shortcode on this message.
        String carrier       = "99901";                  //
        The carrier ID can be found in the reach list.

        String genesysURL    = "https://smsc-api.genesyscloud.com/httpapi/
        receiver";

        // QueryString to be sent to Genesys API
        String messageBody= URLEncoder.encode( "login", "UTF-8" ) + "=" +
        URLEncoder.encode( username, "UTF-8" )
        + "&" + URLEncoder.encode( "password", "UTF-8" ) + "=" + URLEncoder.encode(
        password, "UTF-8" )
        + "&" + URLEncoder.encode( "phone_number", "UTF-8" ) + "=" +
        URLEncoder.encode( phoneNumber, "UTF-8" )
        + "&" + URLEncoder.encode( "shortcode", "UTF-8" ) + "=" + URLEncoder.encode(
        shortCode, "UTF-8" )
        + "&" + URLEncoder.encode( "carrier", "UTF-8" ) + "=" + URLEncoder.encode(
        carrier, "UTF-8" )
        + "&" + URLEncoder.encode( "message", "UTF-8" ) + "=" + URLEncoder.encode(
        message, "UTF-8" )
        + "&" + URLEncoder.encode( "message_id", "UTF-8" ) + "=" + URLEncoder.encode(
        messageId, "UTF-8" );

        URL url = new URL(genesysURL);
        HttpURLConnection conn = (HttpURLConnection)url.openConnection();
        conn.setDoOutput(true);
        conn.setRequestProperty("Content-Type", "application/x-www-form-urlencoded");
```

```
conn.setRequestProperty("Accept", "text/plain");

DataOutputStream out = new DataOutputStream(conn.getOutputStream());
out.writeBytes(messageBody);
out.flush();
out.close();

// Response Code. If not in 2XX region then the request failed
if(conn.getResponseCode() < 200 || conn.getResponseCode() > 299){
    System.out.print("The request failed. Please try again in some
time.");
    System.exit(0);
} else {
    // Printing the Response
    BufferedReader reader= new BufferedReader(new
InputStreamReader(conn.getInputStream()));
    String response= reader.readLine();

    // Getting the Result Code from the Response
    Integer resultCode= Integer.parseInt(response.split("=")[1]);

    switch(resultCode){
    case 0:
        System.out.println("Success: The message has been accepted
for processing.");
        break;
    case 1:
        System.out.println("Failure: Either one(or more) require
parameters are missing. ");
        break;
    case 2:
        System.out.println("Failure: The credentials provided are
either wrong or do not exist.");
        break;
    case 3:
        System.out.println("Failure: The carrier ID is not an Integer
value or it does not exist in the reach list.");
        break;
    case 4:
        System.out.println("Failure: The shortcode is not an
Integer.");
        break;
    case 5:
        System.out.println("Failure: The shortcode is not registered
for the client.");
        break;
    case 6:
        System.out.println("Failure: The client is trying to send
more messages in the allotted time than they are allowed.");
        break;
    case 7:
        System.out.println("Failure: This message is a duplicate.");
        break;
    case 8:
        System.out.println("Failure: The message is larger than
allowed for the client.");
        break;
    case 98:
        System.out.println("Failure: Internal Server Error. Please
try again");
        break;
    case 99:
```

Sample Java code to interact with Genesys API

```
        System.out.println("Failure: There was some error in  
processing request. Please try again");  
    }  
}  
}
```