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Authy SDKs

# THE TWILIO JAVA HELPER LIBRARY

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**Deprecation notice:** New functionality will only be added to the new libraries (Java 7.x). The old libraries (Java 6.x) are deprecated and Twilio will no longer provide bug fixes. Support might ask you to upgrade before debugging issues.

of the Twilio Java SDK can be found on Maven Repository. The Twilio SDK requires Java SE 7 or higher. If you are interested in migrating to the newer 7.x version of the Twilio Java SDK from the 6.x version, check out this guide.

The Twilio Java SDK makes it easy to interact with the Twilio API from your Java application. The most recent version

## The recommended method for installing the SDK is with a build automation tool, like Maven or Gradle. You can add

Using with a build automation tool

the Twilio dependency to your existing project, specifying the latest version. In Maven, place the following within your <dependencies> tag in your pom.xml file:

<dependency> <groupId>com.twilio.sdk</groupId>

```
<artifactId>twilio</artifactId>
        <version>7.17.0
     </dependency>
In Gradle, paste the next line inside the dependencies block of your build.gradle file:
```

1 compile group: "com.twilio.sdk", name: "twilio", version: "7.17.+"

Install the SDK locally

Regardless of the package manager you are using, remember to specify the latest version of the **Twilio Java SDK**.

You can also clone the source code for the SDK, and install the library from there.

the Twilio Java SDK.

2 cd twilio-java 3 mvn install

```
# Requires maven, download from http://maven.apache.org/download.html
You may need to run the above command with sudo (e.g. sudo mvn install) if you get "Permission Denied" errors
while trying to install the library.
```

If you are using **Gradle** in your project, and you want to install the **SDK** locally as we just described, you may need to add the next line inside the **repositories** block of your **build.gradle** file:

1 mavenLocal() This line will instruct Gradle to look for packages on the local Maven repository, where we installed previously

```
Using without a build automation tool
While we recommend using a package manager to track the dependencies in your application, it is possible to
```

1 git clone https://github.com/twilio/twilio-java

• twilio-7.x.x-with-dependencies.jar • twilio-7.x.x.jar -- use this if you have issues with conflicting jars in your project. You'll need to include versions of the dependencies yourself. See the pom.xml file in the source code for the list of libraries.

download and use the Java SDK manually by downloading a pre-built jar file. Select the directory for the latest version

# 1 import com.twilio.Twilio;

Testing your Installation

Try sending yourself an SMS message, like this:

and download one of these jar files:

2 import com.twilio.rest.api.v2010.account.Message; 3 import com.twilio.type.PhoneNumber;

```
public class Example {
       // Find your Account Sid and Token at twilio.com/user/account
       public static final String ACCOUNT_SID = "ACcdcce1faf7260f66ec0e58dc03728fcb";
       public static final String AUTH_TOKEN = "your_auth_token";
  9
 10
       public static void main(String[] args) {
 11
         Twilio.init(ACCOUNT_SID, AUTH_TOKEN);
 12
 13
         Message message = Message.creator(new PhoneNumber("+15558675309"),
 14
             new PhoneNumber("+15017250604"),
 15
             "This is the ship that made the Kessel Run in fourteen parsecs?").create();
 16
 17
         System.out.println(message.getSid());
 18
 19 }
Using This Library
```

### import com.twilio.sdk.TwilioRestException;

4 public class Example {

1 import com.twilio.sdk.TwilioRestClient;

# public static final String ACCOUNT\_SID = "ACcdcce1faf7260f66ec0e58dc03728fcb";

**Authenticate Client** 

```
public static final String AUTH_TOKEN = "your_auth_token";
       public static void main(String[] args) throws TwilioRestException {
  9
         TwilioRestClient client = new TwilioRestClient(ACCOUNT_SID, AUTH_TOKEN);
 10
 11 }
Create A New Record
  1 import java.net.URI;
    import java.net.URISyntaxException;
```

### 8 public class Example { public static final String ACCOUNT\_SID = "ACcdcce1faf7260f66ec0e58dc03728fcb"; 9 public static final String AUTH\_TOKEN = "your\_auth\_token";

import com.twilio.Twilio;

6 import com.twilio.type.PhoneNumber;

5 import com.twilio.rest.api.v2010.account.Call;

public static void main(String[] args) {

Twilio.init(ACCOUNT\_SID, AUTH\_TOKEN);

```
11
       public static void main(String[] args) throws URISyntaxException {
 13
         Twilio.init(ACCOUNT_SID, AUTH_TOKEN);
 14
 15
         Call call = Call.creator(new PhoneNumber("+14155551212"), new PhoneNumber("+150172506
 16
             new URI("http://demo.twilio.com/docs/voice.xml")).create();
 17
         System.out.println(call.getSid());
 18
 19
 20 }
Get Existing Record
  1 import com.twilio.Twilio;
     import com.twilio.rest.api.v2010.account.Call;
     public class Example {
       public static final String ACCOUNT_SID = "ACcdcce1faf7260f66ec0e58dc03728fcb";
       public static final String AUTH_TOKEN = "your_auth_token";
```

Call call = Call.fetcher("CA42ed11f93dc08b952027ffbc406d0868").fetch();

### System.out.println(call.getTo()); 14 15 }

Iterate Through Records

1 import com.twilio.Twilio;

2 import com.twilio.base.ResourceSet;

3 import com.twilio.rest.api.v2010.account.Call;

9

10 11

12 13

```
5 public class Example {
        public static final String ACCOUNT_SID = "ACcdcce1faf7260f66ec0e58dc03728fcb";
        public static final String AUTH_TOKEN = "your_auth_token";
   8
       public static void main(String[] args) {
  9
 10
         Twilio.init(ACCOUNT_SID, AUTH_TOKEN);
 11
 12
         ResourceSet<Call> calls = Call.reader().read();
 13
 14
         for (Call call : calls) {
 15
            System.out.println(call.getDirection());
 16
 17
 18 }
More Documentation
Once you're up and running with the Java SDK, you'll find code samples using the latest version in our REST API docs
and in the documentation for every Twilio product. You can also find auto-generated Javadoc for the latest Java SDK
here.
```

### have used in previous Twilio applications. The older version will continue to work, and you will continue to find sample code for this version throughout our documentation. Should you need to install this version with Maven, you can do so with the following dependency in your **pom.xml** file:

<dependency>

<version>6.3.0</version> 5 </dependency> Alternately, you can find a pre-built jar and download it directly from there. Select the directory for the latest version and download one of these jar files:

• twilio-6.x.x.jar -- use this if you have issues with conflicting jars in your project. You'll need to include versions of

the dependencies yourself. See the pom.xml file in the source code for the list of libraries.

The most recent version of the Java SDK is not API compatible with the previous 6.x version of the Java SDK you may

We'd love to hear your feedback on the Java SDK, and help you past any issues you may encounter. Feel free to drop us a line, and we'll make sure to get you sorted!

Need some help?

Getting Help

browsing the Twilio tag on Stack Overflow.

# • twilio-6.x.x-with-dependencies.jar

<artifactId>twilio-java-sdk</artifactId>

<groupId>com.twilio.sdk</groupId>

Accessing the 6.x Version of the SDK

We all do sometimes; code is hard. Get help now from our support team, or lean on the wisdom of the crowd

We can't wait to see what you build. USE CASES ABOUT

Connected Devices

Voice & Video

Authentication

Messaging

Communications Mobile Messaging

**Access Security** 

Marketplace

Contextual Call Center

Talk to Sales Glossary

What is Twilio?

Customers

Get Help

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Announcing the Twilio Studio Contest 🔀

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