

# Sending SMS from web app

- The simplest/easiest way is via email using a carrier specific addresses
- using an existing SMS provider options
- External services and third party APIs to send SMS messages

# Sending SMS from web app

- using an existing SMS provider options
- negotiating with different providers - the best way to get the best deal for your app
- different providers offer different services
- different features
- prices ranging from a few pence/cents for most Western countries
- pay in bulk
- negotiate with you for 'smaller-than-usual' batches
- a post-pay option

# Sending SMS from web app

External services and third party APIs to send SMS messages:

[Twilio](#)

[TextMarks](#)

[Plivo](#)

[sendHub](#)

[Mogreet](#)

[textMarketer](#)

[TM4B](#)

Etc.

<https://http://www.quora.com/Whats-the-cheapest-and-most-reliable-SMS-API-for-a-high-traffic-PHP-website>

# Sending SMS from web app

## SMS API for a high traffic website

- the cheapest
- the most reliable
- lower traffic website
- Bulk SMS
- Outreach (worldwide, EU, countries, US)
- security concerns
- App's outreach
- scalability
- options - SMS, calls, VoIP, messaging
- deals with various platforms and languages (JavaScript, Php, etc.)

# Sending SMS from web app

Need to verify main 5 points before availing any API:

- *Documentation* (Complete API Integration documentation will be provided for better and easy understanding and to do all by yourself)
- *Stability and Consistency*
- *Flexibility*
- *Security*
- *Ease of Adoption*

# Sending SMS from web app

via email using a carrier specific addresses

- ask the user in his profile to provide a phone number
- select user's carrier from a list
- send an email to number@provider which will send a text message with the subject/body of the email, free of charge

Most carriers have an email address connected to a phone number that will easily let you send texts to the number.

For example, if you have ATT and your phone number is

123-456-6789, an email to 1234566789 @txt.att.net will send you a text message with the subject/body of the email, free of charge. This technique will pretty much cover all of your US users for free.

# Sending SMS from web app

## Limitations

- Emailing carrier specific addresses has been abused by spammers
- Is less effective now
- experience lengthy delays between the time the email was sent and the time when the SMS messages arrives

the cellular carriers all prioritize SMS messages sent through their email gateways below other SMS traffic. Probably because they aren't getting paid by the sender for these. Don't use this method if minimizing latency is important to you

- users will switch carriers

users will switch carriers and will forget to update the app settings. If the app goal is to reliably deliver SMS messages to the same people for months, simplest email will not work

# Sending SMS from web app

emailSMS\_simple.html

```
<a href = "mailto:1234567890@txt.att.net">Send SMS via email link</a>
```

```
<p> <br>
```

```
<input id="Button1" type="button" value="Send SMS button" onclick =  
"parent.location='mailto:1234567890@txt.att.net'" />
```



# Sending SMS from web app

send-sms.js

emailSMS\_test.html

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5     <title>DB test</title>
6     <link rel="stylesheet" href="css/c08.css" />
7   </head>
8   <body>
9
10    <header><h1>SMS from web application
11  </h1></header>
12    <section id="content"></section>
13
14
15    <a href = "mailto:7735807866@txt.att.net">Send SMS via email link</a>
16    <p>
17      <br>
18      <input id="Button1" type="button" value="Send SMS button"
19  onclick = "parent.location='mailto:7735807866@txt.att.net'" />
20
21
22
23    </body>
24  </html>
25
```

# Sending SMS from web app

```
send-sms.js | emailSMS_test.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5     <title>DB test</title>
6     <link rel="stylesheet" href="css/c08.css" />
7   </head>
8   <body>
9
10    <header><h1>SMS from web application
11  </h1></header>
12    <section id="content"></section>
13
14
15    <a href = "mailto:7735807866@txt.att.net" >
16      <p>
17        <br>
18        <input id="Button1" type="button"
19        onclick = "parent.location='mailto:7735807866@txt.att.net'" />
20
21
22
23    </body>
24  </html>
25
```

## Email SMS link

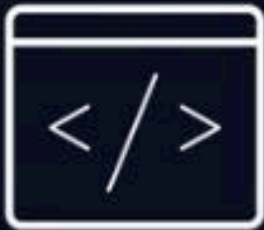
### Link

[Send SMS via email link](#)

Send SMS button

# Sending SMS from web app using twilio

YOUR APP



HTTP POST  
/MESSAGES



SENDS SMS



YOUR PHONE



# Sending SMS from web app

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Ryan Leslie

Redefines the artist-fan relationship via SMS.

**RYAN LESLIE**

# Sending SMS from web app using twilio

1. In Terminal run the command:

```
$ npm install twilio
```

2. Create js file send-sms.js in the same directory

3. Register Free trial account with twilio

4 . Request free phone number to use (area code 312/773)

5. Create Javascript code to send SMS file send-sms.js (atom editor)

```
ons
-bash: cd: week12-15Algorithms,: No such file or directory
darias-MacBook-Pro:2018_421 dariatsoupikova$ cd week12-15Algorithms, text :push notifications, quizzes, sorting RW answers, categorizations
-bash: cd: week12-15Algorithms,: No such file or directory
darias-MacBook-Pro:2018_421 dariatsoupikova$ ls
421
421_old
421_test
clients
docs
lab7_JQ
lab8_JQM
lab_JQ.zip
lab_JQM.zip
website
week10
week12-15Algorithms, text :push notifications, quizzes, sorting RW answers, categorizations
week1_CSS
week2_JS
week3JS2
week4_JQM_JQM_menu
week4_jQuery_sliding_menu
week6_Phone Gap
week7_PG
week8_DB
week9_DB
darias-MacBook-Pro:2018_421 dariatsoupikova$ cd week12-15Algorithms, text :push notifications, quizzes, sorting RW answers, categorizations
-bash: cd: week12-15Algorithms,: No such file or directory
darias-MacBook-Pro:2018_421 dariatsoupikova$ cd week12SMS
darias-MacBook-Pro:week12SMS dariatsoupikova$ ls
darias-MacBook-Pro:week12SMS dariatsoupikova$ npm install twilio
```

# Sending SMS from web app using twilio

Chrome File Edit View History Bookmarks People Window Help 91% [🔌] Mon 10:08 AM

How to x Twilio | x What's x Inbox (1 x SMS Te x B Bountif x Quickst x Simple x How to x php - S x W List of c x T TM4B S x Create | x

Secure https://www.twilio.com/signup/verify?g=%2Fconsole%2Fsms&t=f2ee4e28a61bbe21e3898b337efec1806f7422c3a8e2d1daeebd883812e45507

CONSOLE datsoupi@yahoo....  
datsoupi@yahoo.com's Account

## We need to verify you're a human

Please enter the verification code we sent to your phone. If you didn't receive a code, you can [try again](#)

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AdobeFlashPlayerIn....dmg ... Show All x

- Programmable SMS
- Dashboard
- Learn & Build
- Messaging Services
- Short Codes
- Tools
- Logs
- Insights
- Add-ons *Beta*
- Usage
- Settings

# Programmable SMS Dashboard

Programmatically send and receive SMS worldwide. Route text messages globally to and from your application over local, mobile, toll-free, and short code numbers.

- [Get Started](#)
- [Read the Tutorial Docs ↗](#)
- [Features & Pricing](#)

## You have a Trial Account

- \$ Your trial account has \$15.50 remaining
- i Trial accounts can only send messages to [verified numbers](#) in these countries
- i Messages sent in trial will begin with "Sent from a Twilio Trial Account"
- i While you have a trial account, you're limited to one Twilio number



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- Settings

### Your first Twilio Phone Number

(224) 347-1950

Don't like this one? [Search for a different number](#)

- This United States phone number has the following capabilities:
- Voice:** This number can receive incoming calls and make outgoing calls.
  - SMS:** This number can send and receive text messages to and from mobile numbers.
  - MMS:** This number can send and receive multi media messages to and from mobile numbers.

Cancel

Choose this Number

Get a number

### Build Your Application

Choose a use case to build a production ready solution.

Just Exploring

### Get Started with SMS

**How it works:** Send and receive text messages through the Twilio REST API

**Here's the high level scope of what we're building**

Keep these handy when you build

## Programmable SMS

Dashboard

Learn & Build

Build

Developer Docs

API Explorer

Features & Pricing

Messaging Services

Short Codes

Tools

Logs

Insights

Add-ons

Beta

Usage

### Step 1: Get Started with Twilio

1. If you don't have a Twilio phone number or haven't sent a text message yet, then start with that in the section above. You need a [phone number capable of sending messages to your destination](#). Different countries have different restrictions, be sure to check the [country capabilities guide](#) for your destination.
2. Not a developer? You might want to check out these Twilio-powered notification providers. [Learn more](#)

### Step 2: Setup your Development Environment

1. Download and install the [Twilio helper library](#) for your language and project. If you don't code then please [contact us](#) and we can help.

### Step 3: Start with an order

1. Write a program to query your software for orders and statuses that you want to send messages. For each order or status change, create a new SMS message. Example: "Hi [name]! Your order for [item\_name] has shipped and is expected to arrive [date]. Here's the tracking link [tracking\_link]."

### Step 4: Maximize the deliverability of your messages

1. Carriers filter messages based in part on volume. This sometimes means legitimate messages get [caught in their filters](#). You'll see this in [your logs](#) as

# THE TWILIO NODE HELPER LIBRARY

Rate this page: ☆☆☆☆ **Excellent**

**Deprecation notice:** New functionality will only be added to the new library (Node Helper Library 3.x). The old library (2.x) will be officially supported until **8/31/2017**. After that day, Twilio will stop providing bug fixes and Support might ask you to upgrade before debugging issues. [Learn how to migrate your existing application.](#)

The [twilio-node helper library](#) lets you write Node.js code to make HTTP requests to the Twilio API.

This library is open source, so if you find a feature missing or a bug, we encourage you to file an [issue](#) or contribute back to the [twilio-node project](#).

## Installation

The easiest way to install **twilio-node** is from [NPM](#). You can run the command below from your project directory to install the library:

```
1 npm install twilio
```

Then in your code:

```
1 var twilio = require('twilio');
```

# Sending SMS from web app using twilio

send-sms.js

send-sms.js

```
1 var accountSid = 'ACdc9734a6a40e1e8f2376b0b22eefee8c'; // Your Account SID from www.twilio.com/console
2 var authToken = 'f0c7fbe98a763df79bea6ef7709116fa'; // Your Auth Token from www.twilio.com/console
3
4 var twilio = require('twilio');
5 var client = new twilio(accountSid, authToken);
6
7 client.messages.create({
8   body: 'Hello from MAD-twilio account',
9   to: '+17735807866', // Text this number
10  from: '+17738303608' // From a valid Twilio number
11 })
12 .then((message) => console.log(message.sid));
13
```



# Sending SMS from web app using twilio

6. In Terminal run the command:

```
Node send-sms.js
```