Send an SMS Message with C# in 30 Seconds

by Marcos Placona (https://www.twilio.com/blog/author/marcos) on April 26, 2016 (https://www.twilio.com/blog/2016/04/send-an-sms-message-with-c-in-30-seconds.html)

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You're building a .NET app and you need to send SMS messages (https://www.twilio.com/sms). What if I told you you can get it done in 30 seconds with the Twilio API? Here's a video showing you how quick it is to send an SMS message with C# and the Twilio API (https://www.twilio.com/docs/quickstart/csharp/sms/sending-via-rest).

Video: How To Send SMS with C# in 30 Seconds

Send SMS Using C# in 30 Seconds

▶

But you can't copy and paste from a video, so here's all the code you will need.

Install the Twilio helper library for .NET to your project using the package manager console.

```
1  PM> Install-Package Twilio
```

Import the Twilio namespace into your class and initialize the Twilio REST Client passing your Account SID and Auth Token, which are available on the Twilio account portal (https://www.twilio.com/user/account):

C#

```
 1  using System;
 2  using Twilio;
 3  using Twilio.Rest.Api.V2010.Account;
 4  using Twilio.Types;
 5
 6  namespace twilio_sms
 7  {
 8          class Program
 9          {
10              static void Main(string[] args)
11              {
12                  TwilioClient.Init(
13                      Environment.GetEnvironmentVariable("TWILIO_ACCOUNT_SID"),
14                      Environment.GetEnvironmentVariable("TWILIO_AUTH_TOKEN"));
15              }
16          }
17  }
```

You will need three things now:

- The Twilio number (https://www.twilio.com/user/account/phone-numbers/incoming) you are sending the message from
- The number you are sending the message to
- The body of the message

Add those into the *MessageResource.Create* method which will send a text message:

```
                                                                            C#
1  MessageResource.Create(
2      to: new PhoneNumber("** YOUR PHONE NUMBER **"),
3      from: new PhoneNumber("** YOUR TWILIO NUMBER **"),
4      body: "Ahoy from Twilio!");
```

Now run it and wait for the magic to happen.

We can't wait to see what you build

You've sent an SMS message and now you're ready to take on the world of communications. Take a look at the Twilio REST API documentation (https://www.twilio.com/docs/api) to see what else you can do and the documentation for working with the .NET helper library (https://www.twilio.com/docs/csharp/install). Then check out our tutorials to see some more examples, like: sending SMS notifications (https://www.twilio.com/docs/tutorials/walkthrough/server-notifications/csharp/mvc), masking phone numbers (https://www.twilio.com/docs/tutorials/walkthrough/masked-numbers/csharp/mvc) for user privacy or two factor authentication (https://www.twilio.com/docs/tutorials/walkthrough/two-factor-authentication/csharp/mvc) for user security.

Excited about the possibilities? Then let me know! Hit me up on Twitter (https://twitter.com/marcos_placona) or just give me a shout in the comments below.

Build More With .NET

SMS and MMS Notifications with C#

(https://www.twilio.com/docs/tutorials/walkthrough/server-notifications/csharp/mvc)

Building Video Applications on Android

(https://www.twilio.com/blog/2016/03/building-video-applications-on-android.html)
(https://www.twilio.com/blog/2016/03/building-video-applications-on-android.html)

Using C# and Azure to Build a SMS Representative Directory

(https://www.twilio.com/blog/2016/06/csharp-and-azure-sms-congress-directory.html)
(https://www.twilio.com/blog/2016/06/csharp-and-azure-sms-congress-directory.html)

An easy way to receive an SMS message with C# and Twilio

(https://www.twilio.com/blog/2016/09/an-easy-way-to-receive-an-sms-message-with-c-and-twilio.html)
(https://www.twilio.com/blog/2016/09/an-easy-way-to-receive-an-sms-message-with-c-and-twilio.html)

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Name

Thomas Levesque • 2 years ago
Tried it. Got no error, but I'm still waiting to receive the SMS...
⌃ | ⌄ • Reply • Share ›

> **Marcos Placona** ➤ Thomas Levesque • 2 years ago
> Hi Thomas, thanks for reading the blog post.
>
> Hopefully by now you will have received your SMS message right? :-)
>
> Depending on the phone number and location, carriers can sometimes take longer to get that message delivered, but I'm really talking seconds here, and not minutes or hours.
>
> If you're having trouble receiving messages, drop me an email, and we can get someone from support to look at those requests for you.
>
> Thank again,
>
> Marcos
> ⌃ | ⌄ • Reply • Share ›

>> **Charity** ➤ Marcos Placona • a year ago
>> leratocharity@yahoo.com <same problem="">
>> ⌃ | ⌄ • Reply • Share ›

Avi • 2 years ago
Mine succeeded
⌃ | ⌄ • Reply • Share ›

raj tanna • a year ago
is it free
⌃ | ⌄ • Reply • Share ›

> **philnash** ➤ raj tanna • a year ago
> Hi Raj,
>
> It is free to try out Twilio, you can sign up at http://twilio.com/try-twilio and test out sending messages like this for no cost. If you do want to run this in a production application you will need to connect a credit card or PayPal account. Pricing can be found on the main site:

https://www.twilio.com/sms/...
∧ | ∨ • Reply • Share ›

Husni • a year ago
I tried it, but not working :(
∧ | ∨ • Reply • Share ›

Devin Rader → Husni • a year ago
Can you give us a bit more info on whats not working? Couple things to check:

- The logs (https://www.twilio.com/cons... for your Twilio account and see if Twilio is trying to send messages?
- The "RestException" property of the client object to see if its null or not.
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nadeem akram • 10 months ago
I have tried but not working.I from Pakistan which country should i select to get the twilio number that will work in pakistan ??
∧ | ∨ • Reply • Share ›

Marcos Placona → nadeem akram • 10 months ago
Hi Nadeem, unfortunately we still don't have numbers in Pakistan, but you can get any SMS enabled number (i.e. American, British, German, etc) and you will be able to send messages to Pakistan.

You can also signup for notifications so we let you know when we have Pakistani numbers. You can read more about it here: https://support.twilio.com/...

Hope this helps you out, and please do not hesitate in reaching back if you have any more questions.

Cheers
∧ | ∨ • Reply • Share ›

Isaias DC ⬜ • 10 months ago
How to use in peru? I'm subscribed for free test, when select peru, the web show me the message "This country does not have SMS and MMS numbers. Learn more"
∧ | ∨ • Reply • Share ›

Marcos Placona → ⬜ Isaias DC ⬜ • 10 months ago
Hi Isaias,

Thanks for your comment. That will be because our numbers in Peru still aren't SMS enabled. We're constantly working to bring extra functionalities to numbers around the world, but some countries take slightly longer than others. My suggestion in this case would be to get a number from a country nearby like Chile where SMS is enabled. You will then be able to send messages from that number.

You can also signup for updates so you get notified when SMS is enabled in Peru. Have a look at this article: https://support.twilio.com/...

Hope this helps you out, and please do not hesitate getting in touch if you need any more help.

Cheers
∧ | ∨ • Reply • Share ›

anadeau • 9 months ago
I'm having similar problems as listed below. I've tried a few times with no errors but no messages being delivered to the # I have in my Twilio account and is verified.

I checked the Programmable SMS Logs and there are no logs for outgoing messages.

Any ideas on how I can fix this?

Thanks!
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anadeau → anadeau • 9 months ago
Disregard, I didn't have the right auth token in.
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Pavan Kalyan Asanapuram • 9 months ago
I try this code but it shows me an error "Core.cs not found" -You need to find Core.cs to view the source for the current call stack frame
∧ | ∨ • Reply • Share ›

Marcos Placona → Pavan Kalyan Asanapuram • 9 months ago
Hey Pavan, seems like you may have skipped the step where you install the Twilio library by running `Install-Package Twilio` in Package Manager. Or, maybe you run it but it failed to install for some reason. Try that again and let me know.

Thanks
∧ | ∨ • Reply • Share ›

itemplate • 8 months ago

Has this been updated (or already obsolete)? I've added the Twilio package v. 5.0.2. However the "TwilioRestClient" is in the "Twilio.Clients" namepsace (not just "Twilio"). And that class does not contain any "SendMessage" method. Please advice...

∧ | ∨ • Reply • Share ›

> **dprothero** → itemplate • 8 months ago
> The blog post does need to be updated for the latest version of the helper library. Here's the code you need to send an SMS with v5:
> https://www.twilio.com/docs...
>
> ∧ | ∨ • Reply • Share ›

Samson Akanet • 7 months ago

Hi, I've just had a look at the pricing for Nigeria. It says "Local Text Messages $0.022 to send". My question is, how is it priced when sending to multiple numbers at once? Say if I want to send an alert to 50 numbers in one go, is it ($0.022 X 50) or ($0.022 X 1). i.e. are you charged by the trigger or by the number of reciepients?

1 ∧ | ∨ • Reply • Share ›

eitc • 5 months ago

I've tried it result is no errors and no messages came .. ! I want to send from jordan to jordan cell numbers ..

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Allan Souza • 3 months ago

Why is giving me an error : " Twilio.Exceptions.AuthenticationException: 'Username can not be null'

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WellingtonVM • 18 days ago

This article is out of date. I've installed the nuget and now the instantiation is different:

```
using System;
using Twilio;
using Twilio.Rest.Api.V2010.Account;
using Twilio.Types;

namespace twilio_sms
{
class Program
{
static void Main(string[] args)
{
TwilioClient.Init("TWILIO SID", "TWILIO TOKEN");

var sms = MessageResource.Create(
to: new PhoneNumber("DESTINATION NUMBER"),
from: new PhoneNumber("YOUR TWILIO PHONENUMBER"),
body: "YOUR SAMPLE MESSAGE");
}
}
```

∧ | ∨ • Reply • Share ›

> **Admirador de Damas** → WellingtonVM • 3 days ago
> HOw secure SID and TOKEN ?
>
> 1 ∧ | ∨ • Reply • Share ›

Soha Software • 8 days ago

I'm from Iran, and i get SMS enabled number of u.s.a but when i want to send message it shows me an error "Api Error: 451 - IP Address: 151.235.147.89"

∧ | ∨ • Reply • Share ›

Admirador de Damas • 3 days ago

How secure TWILIO_ACCOUNT_SID and TWILIO_AUTH_TOKEN ?

You set in Environment Variables in Machine.

```
TwilioClient.Init(
Environment.GetEnvironmentVariable("TWILIO_ACCOUNT_SID"),
Environment.GetEnvironmentVariable("TWILIO_AUTH_TOKEN"));
}
```

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