

Introducing Twilio Labs...



Twilio Labs is where additional features for the **Twilio** core platform are published.

Twimlets

The projects accessed through Twilio Labs are called **Twimlets**. Twimlets are small web applications that implement basic voice application functionality. They are open source so you can modify Twimlets to suit your needs; they are also stateless so you can pass the URL parameters of execution in when you call them.

Using Twimlets

You can wire up a phone number to the URL of a Twimlet, and they can be combined with your own applications. Twimlets can also be chained based on what happens during their execution.

The Twimlets currently available are:

Forward	<i>will forward a call to another phone number and can forward to a new URL if the call isn't answered</i>
Find Me	<i>will ring up to 10 phone numbers in order until someone answers the call</i>
Simulring	<i>will dial 2-5 phone numbers simultaneously and the first person to answer is connected to the caller</i>
Voicemail	<i>will ask the user to leave a message and will email the audio recording to a specified email address</i>
Simple Menu	<i>will play a message for the caller and wait for them to press digits that will launch them to a new URL or twimlet based on their selection</i>
Simple Message	<i>will play one or more audio files, say one or more text blocks, or any combination of both</i>
Call Me	<i>a simpler version of Simulring or Find Me that only rings one number and will forward to another URL or Twimlet if no one answers</i>
Echo	<i>outputs TwiML passed in via the URL, which is useful for building completely stateless apps that place outbound calls</i>
Conference	<i>allows you to build a simple conference line</i>

Twimlet Generator

Twilio Labs provides a Twimlet Generator where you can build up and test a Twimlet URL on the website.

Below is the **Forward Twimlet** Generator and its Configuration parameters using Twilio's Try It Out! section found in each Twimlet example:

Try It Out!

Using our Twimlet Generator, you can build up a Twimlet URL right here:

Twimlet Generator: forward

Twimlet Configuration

Phone Number:

Caller ID:

Timeout:

Allowed Caller 1:

Allowed Caller 2:

Allowed Caller 3:

Allowed Caller 4:

Allowed Caller 5:

FailUri:

Resulting URL

<http://twimlets.com/forward?>

Twilio Sample File in FileMaker

Within FileMaker, Twimlets can be utilized by HTTP requests and the "Insert From URL" function. Revolution 11 developed a sample file to send text messages shown in the blog "[Twilio Sample PHP & Instructions.](#)" In this blog, we integrated the Hold Music Twimlet.

TwilioBlogV2 (5)

Records: 1 Total (Unsorted)

Layout: Twilio Sample File | View As: [Icons] | Preview | Edit Layout

Integration Sample File

twilio

Account ID: AC083f7ac45a4196fe707895749efc0a7f

Token: 430004e967feefdb671bb16237b3c14e

From Phone Number: 7072840640

To Phone Number: 5559380021

callURL (Call): http://demo.twilio.com/docs/voice.xml

playURL: http://s3.amazonaws.com/com.twilio.sounds.music/index.xml

Message: http://twimlets.com/AC083f7ac45a4196fe707895749efc0a7f/test
http://demo.twilio.com/docs/voice.xml
https://demo.twilio.com/owl.png
https://www.dropbox.com/s/644jyziq7kel8y/message.xml

Media File: https://demo.twilio.com/owl.png

Send SMS

Call

Call1

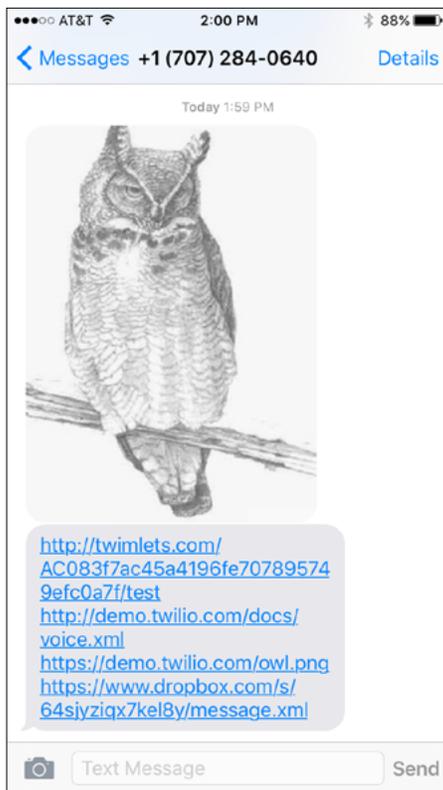
Call2

Results

Use to verify what Twilio's API received

```
[{"sid": "MMca3f384610a41109104b014a14ee805", "date_created": "Mon, 25 Apr 2016 20:59:39 +0000", "date_updated": "Mon, 25 Apr 2016 20:59:39 +0000", "date_sent": null, "account_sid": "AC083f7ac45a4196fe707895749efc0a7f", "to": "+19255489984", "from": "+17072840640", "messaging_service_sid": null, "body": "http://twimlets.com/AC083f7ac45a4196fe707895749efc0a7f/test/http://demo.twilio.com/docs/voice.xml/https://demo.twilio.com/owl.png/https://www.dropbox.com/s/644jyziq7kel8y/message.xml", "status": "queued", "num_segments": "1", "num_media": "1", "direction": "outbound-api", "api_version": "2010-04-01", "price": null, "price_unit": "USD", "error_code": null, "error_message": null, "url": "/2010-04-01/Accounts/AC083f7ac45a4196fe707895749efc0a7f/Messages/MMca3f384610a41109104b014a14ee805.json", "subresource_url": [{"media": "/2010-04-01/Accounts/AC083f7ac45a4196fe707895749efc0a7f/Messages/MMca3f384610a41109104b014a14ee805/Media.json"}]}
```

By entering a phone number in the “To Phone Number” section and pressing Send SMS button, the phone number you entered receives this SMS text message:



When we enter the phone number we want to reach and press “Call 1,” the phone number receives a call with music playing.

Integration Sample File

Account ID: AC083f7ac45a4196fe707895749efc0a7f

Token: 430004e967feefdb671bb16237b3c14e

From Phone Number: 7072840640

To Phone Number: 5558903290

callURL (Call): http://demo.twilio.com/docs/voice.xml

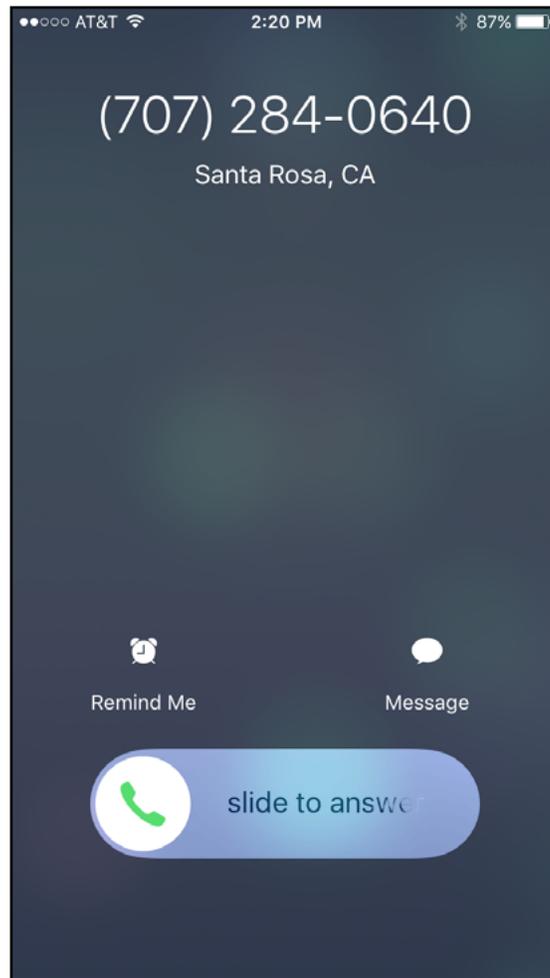
playURL: http://s3.amazonaws.com/com.twilio.sounds.music/index.xml

Message: http://twimlets.com/AC083f7ac45a4196fe707895749efc0a7f/test
http://demo.twilio.com/docs/voice.xml
https://demo.twilio.com/owl.png
https://www.dropbox.com/s/64sjyziqx7kel8y/message.xml

Media File: https://demo.twilio.com/owl.png

Results
Use to verify what Twilio's API received

```
{
  "sid": "CAeb23d1290fd482b696af01aa48c5732c",
  "date_created": null,
  "date_updated": null,
  "parent_call_sid": null,
  "account_sid": "AC083f7ac45a4196fe707895749efc0a7f",
  "to": "+19255489984",
  "to_formatted": "(925) 548-9984",
  "from": "+17072840640",
  "from_formatted": "(707) 284-0640",
  "phone_number_sid": "PN0777e839987a1c17e38b3aad0d4597c",
  "status": "queued",
  "start_time": null,
  "end_time": null,
  "duration": null,
  "price": null,
  "price_unit": "USD",
  "direction": "outbound-api",
  "answered_by": null,
  "api_version": "2010-04-01",
  "annotation": null,
  "forwarded_from": null,
  "group_sid": null,
  "caller_name": null,
  "uri": "/2010-04-01/Accounts/AC083f7ac45a4196fe707895749efc0a7f/Calls/CAeb23d1290fd482b696af01aa48c5732c.json",
  "subresource_uris": {
    "notifications": "/2010-04-01/Accounts/AC083f7ac45a4196fe707895749efc0a7f/Calls/CAeb23d1290fd482b696af01aa48c5732c/Notifications.json",
    "recordings": "/2010-04-01/Accounts/AC083f7ac45a4196fe707895749efc0a7f/Calls/CAeb23d1290fd482b696af01aa48c5732c/Recordings.json"
  }
}
```



Have Questions?

Revolution11 provides a free initial consultation. Contact us and we would be happy to discuss your situation and needs.

1.415.969.8595 • inquiries@revolution11.com

