

Ring Ring

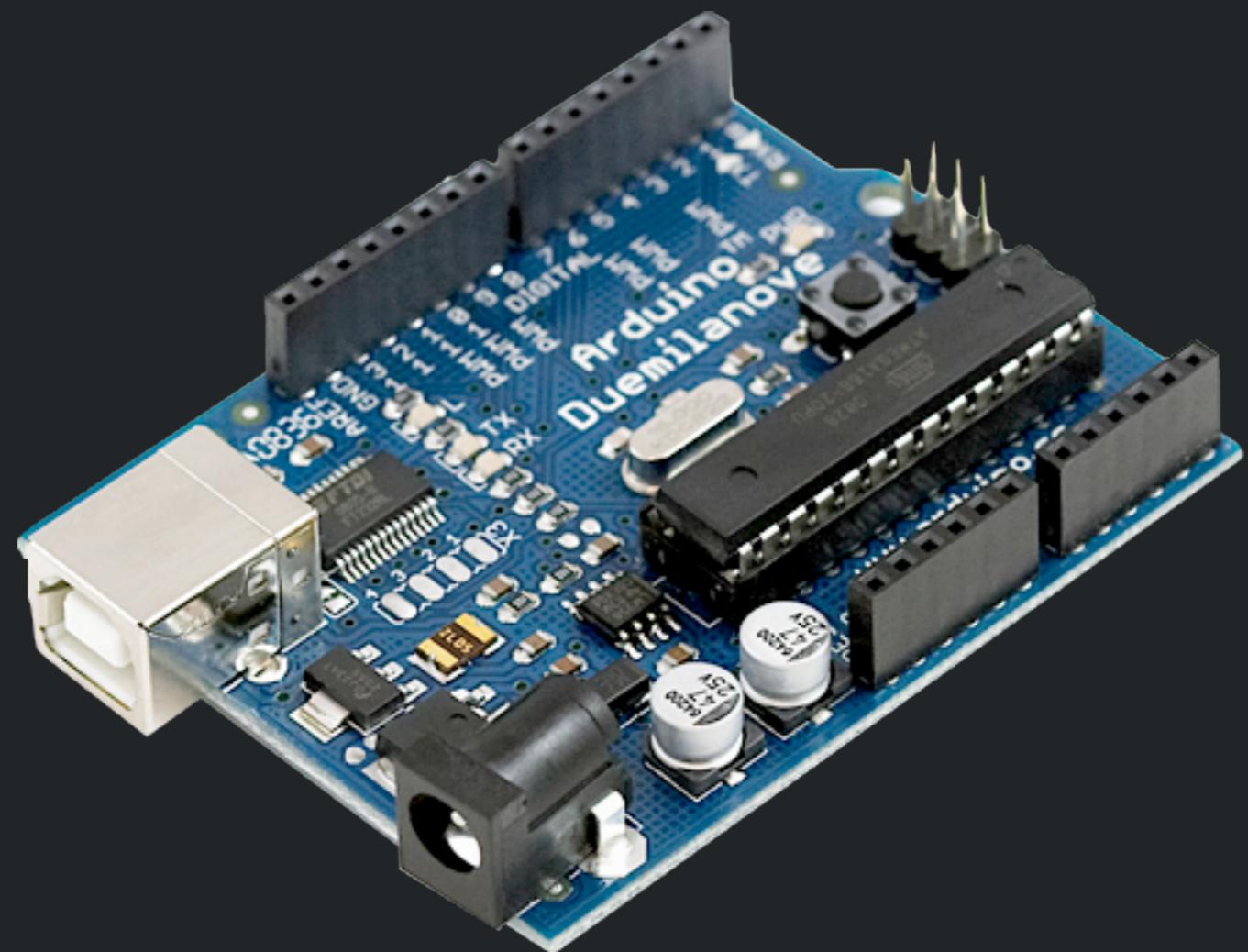
**“Hello? Oh honey, it’s
for you. Yeah, I have
The Future on the
line, and it wants to
talk to you.”**

On Ruby & Matters Telephonic
Austin on Rails, January 2011
Mattt Thompson, Gowalla



Prison







<http://www.flickr.com/photos/kateanth/2267606723>



**5x as many phones as
computers world-wide**

**76% of the world
population has a
mobile phone**

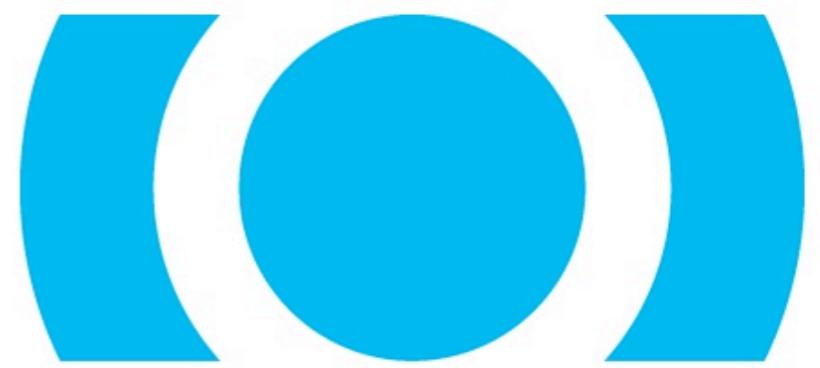


<http://www.flickr.com/photos/mckln/2360119409/>





twilio



TROPO

Making a Call

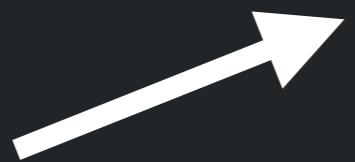


Making a Call

REST



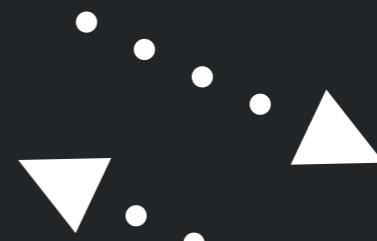
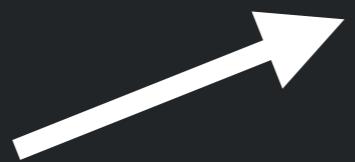
Making a Call



555-4269



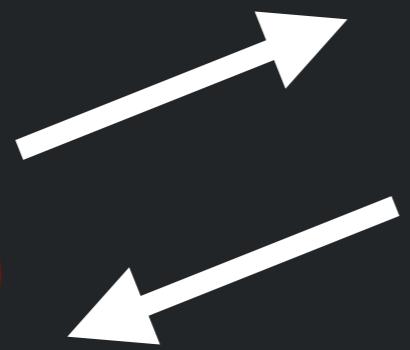
Making a Call



555-4269



Making a Call



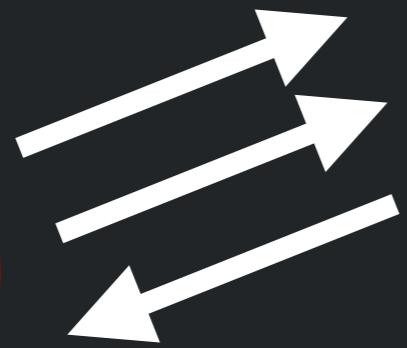
URL



555-4269

Making a Call

<say>



URL



555-4269



Receiving a Call



Receiving a Call



555-1337



Receiving a Call

URL

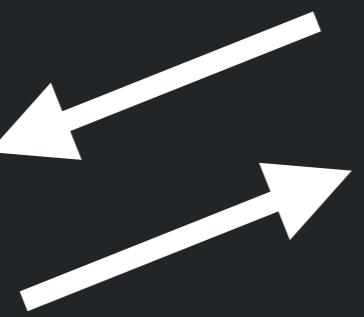


555-1337



Receiving a Call

URL



<say>

555-1337

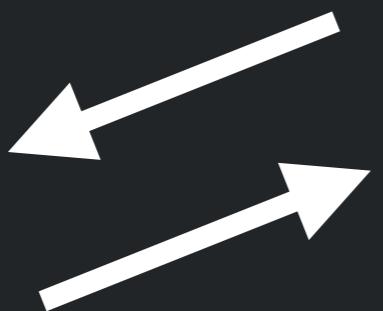


Receiving a Call

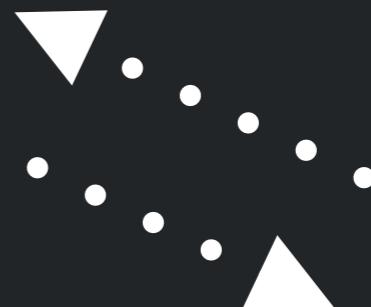
URL



<say>



555-1337





twilio

TwiML

TwiML

TwiML

<say>

TwiML

<say>

<play>

TwiML

<say>

<play>

<gather>

TwiML

<say>

<play>

<gather>

<record>

TwiML

<say>

<play>

<gather>

<record>

<dial>



How It Works Pricing Gallery Help Jobs Documentation



Mattt Thompson

[Profile](#) [Logout](#)

Dashboard

Numbers

Balance

Debugger

International

Analytics

Logs

Twilio Status

Account Details

Edit Your Number

Number: **(555) 555-4217**

Voice Allow this number to receive phone calls.

URL Twilio will request and execute the TwiML at this URL via the selected HTTP method when somebody calls this phone number.

POST ▾

[Advanced Features ▾](#)

SMS Allow this phone number to receive SMS messages.

Advanced Properties Configure advanced phone number features.

SAVE

CANCEL

[Release this Number](#)

<say>Hello, Caller</say>

<play>/hello.mp3</play>

<say>Hello, Caller</say>

<say>The current time is
<%= Time.now %></say>

SSH Tunneling

Why Tunnlr?

Tunnlr removes the pain. It's a forwarding service that you can use at home, at Starbucks, or anywhere you have an Internet connection. You can configure your Facebook application once, and know that you can work from anywhere, anytime.

Don't do Facebook? Tunnlr can still help you. Do you have a web site running locally that you want to show to a friend? Just set up a tunnel and give them your public Tunnlr URL. There's no need to mess with tricky routing rules or open your laptop up to the world.

What do I need?

All you need is a computer with Internet access. If you're working with Ruby on Rails, install our plugin and tunneling is fully automatic. Other users can either create their tunnel with a simple command (provided, of course), or download our forthcoming native client.

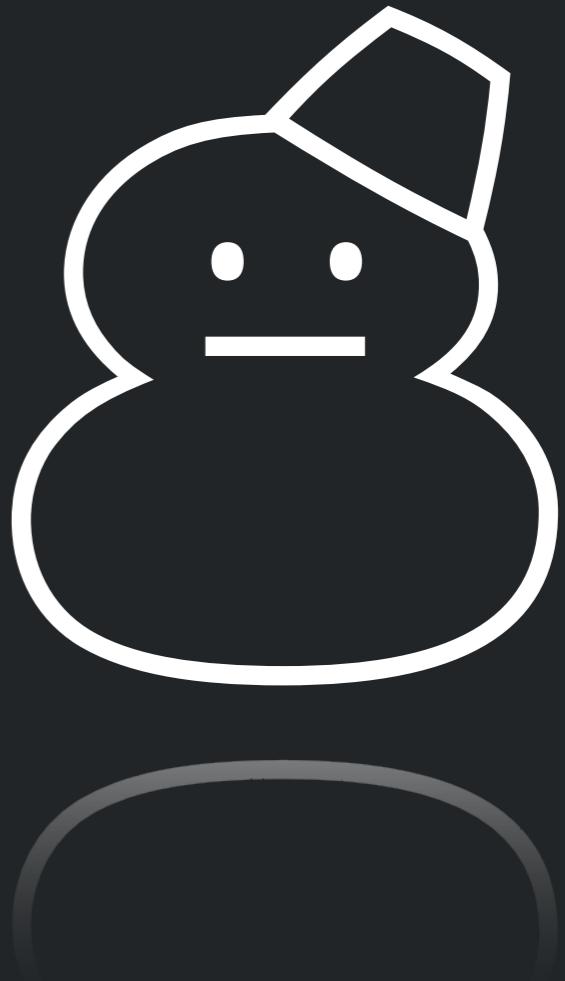
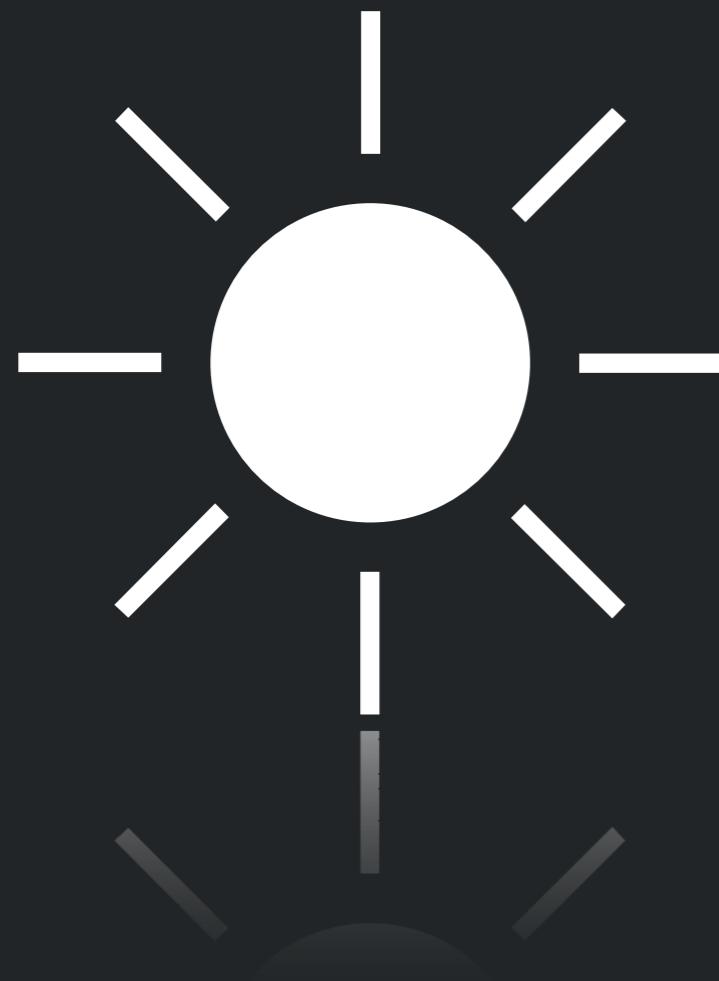
What does it cost?

Tunnlr is free for the first 90 days. After that, it costs \$5 a month. It's cheaper than either a static IP address or a hosting account with shell access.

How does it work?

Tunnlr uses SSH remote tunneling. It securely connects a port on your local machine to an open port on our public server. Once you start your Tunnlr client, the web server on your local machine will be available to the rest of the world through your special Tunnlr URL.

```
ssh -nNt -g -R :11000:0.0.0.0:9393 \
tunnlr000@ssh1.tunnlr.com
```



```
post '/start.xml' do
  builder :index
end
```

```
xml.instruct! :xml, :version => '1.0'  
xml.tag! :Response do  
  xml.tag! :Gather, :numDigits => 5,  
    :action => '/forecast.xml' do  
    xml.tag! :Say, "Enter your zipcode"  
  end  
  xml.tag! :Say, "No input. Goodbye!"  
end
```

```
require 'yahoo-weather'

post '/weather.xml' do
  client = YahooWeather::Client.new
  @weather = client.lookup_location(params["Digits"])
  builder :weather
end
```

```
xml.instruct! :xml, :version => '1.0'  
xml.tag! :Response do  
  xml.tag! :Say, "Current Conditions:"  
  xml.tag! :Say, "#{@weather.condition.temp} degrees "  
  xml.tag! :Say, "#{@weather.condition.text}"  
  xml.tag! :Pause, :length => 2  
end
```

```
unless @weather.forecasts.empty?
  xml.tag! :Say, "#{@weather.forecasts.length}-Day Forecast"

  @weather.forecasts.each do |forecast|
    xml.tag! :Say, "#{forecast.day} - #{forecast.text}."
    xml.tag! :Say, "High: #{forecast.high} Low: #{forecast.low}"
    xml.tag! :Pause
  end
end
```

& * % \$ £ !

Q \o o \~ !

 [twilio / twilio-ruby](#)

[Watch](#) [Fork](#) [76](#) [12](#)

Source [Commits](#) [Network](#) [Pull Requests \(3\)](#) [Issues \(5\)](#) [Graphs](#) Branch: master

[Switch Branches \(1\)](#) [Switch Tags \(8\)](#) [Branch List](#)

A Ruby gem for communicating with the Twilio API and generating TwiML — [Read more](#)

[Downloads](#)

[HTTP](#) [Git Read-Only](#) <https://github.com/twilio/twilio-ruby.git> This URL has **Read-Only** access

Added playBeep attribute to record - Kevin Chiu (@kevingc)
 **derferman** (author)
October 17, 2010

commit `7d2925a39df84b3c3159`
tree `be35926f52df2a8e535c`
parent `359dcae63fb0876a19d7`

name	age	message	history
examples/	August 31, 2010	Update examples for 2010-04-01 [minddog]	
lib/	October 17, 2010	Added playBeep attribute to record - Kevin Chiu... [derferman]	
tests/	March 11, 2010	Updated hosted gem to version 2.0.4, updated RE... [Kyle Conroy]	
Changelog	August 31, 2010	Update examples for 2010-04-01 [minddog]	
LICENSE	September 15, 2009	Intial Commit [Kyle Conroy]	
README.markdown	March 11, 2010	Updated hosted gem to version 2.0.4, updated RE... [Kyle Conroy]	
Rakefile	October 17, 2010	Added playBeep attribute to record - Kevin Chiu... [derferman]	

<https://github.com/twilio/twilio-ruby>

HTTParty

<https://github.com/jnunemaker/httparty>

Phone

<https://github.com/twilio/twilio-ruby>

```
require 'httparty'
require 'phone'

Phone.default_country_code = '1'

class TwilioAPIClient
  include HTTParty
  base_uri 'https://api.twilio.com/2010-04-01/Accounts/' +
            ENV['TWILIO_ACCOUNT_SID']
  basic_auth ENV['TWILIO_ACCOUNT_SID'], ENV['TWILIO_ACCOUNT_TOKEN']
  headers 'User-Agent' => 'Ruby HTTParty'
  format :xml
end
```

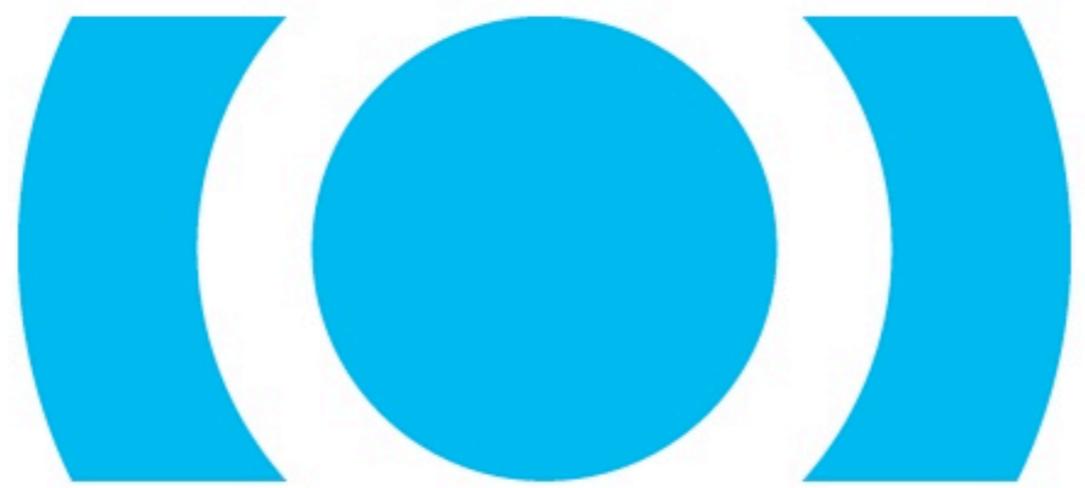
```
def call(number, url)
  options = {
    :body => {
      :To => Phone.parse(number),
      :From => ENV['TWILIO_PHONE_NUMBER'],
      :Url => url
    }
  }

  self.post("/Calls", options)
end
```

```
def sms(number, body)
  options = {
    :body => {
      :To => Phone.parse(number),
      :From => ENV['TWILIO_PHONE_NUMBER'],
      :Body => body
    }
  }

  self.post("/SMS/Messages", options)
end
```

```
TwilioAPIClient.call "555-555-4123",  
  "http://hello.herokuapp.com/hello.xml"
```



TROPO

JSON

Tropo Web API

Tropo Web API

say

Tropo Web API

say

ask

Tropo Web API

say

ask

call

Tropo Web API

say

ask

call

record

Tropo Web API

say

ask

call

record

message

```
{ "ask": {  
    "choices": Object,  
    "allowSignals": String or Array,  
    "attempts": Integer,  
    "bargein": Boolean,  
    "minConfidence": Integer,  
    "name": String,  
    "recognizer": String,  
    "required": Boolean,  
    "say": Object,  
    "timeout": Float,  
    "voice": String }  
}
```

on

```
{ "on": {  
    "event": String,  
    "name": String,  
    "next": String,  
    "required": Boolean,  
    "say": Object }  
}
```

Thy Dungeonman



Click to enter yon Dungeon

Ring Ring

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for you. Yeah, I have
The Future on the
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