

# On-Device Prototyping with PhoneGap

A gateway drug to hybrid development

# Michael Brooks

@mwbrooks



At MobileCamp LA 2012  
the PhoneGap CLI was announced

The PhoneGap CLI was a good start

But, last year we wanted to  
take the next big step

We started by reviewing  
development workflows

Desktop web developers  
**stream** to their browsers

Mobile web developers  
**stream** to their devices



Mobile app developers  
deploy to their devices

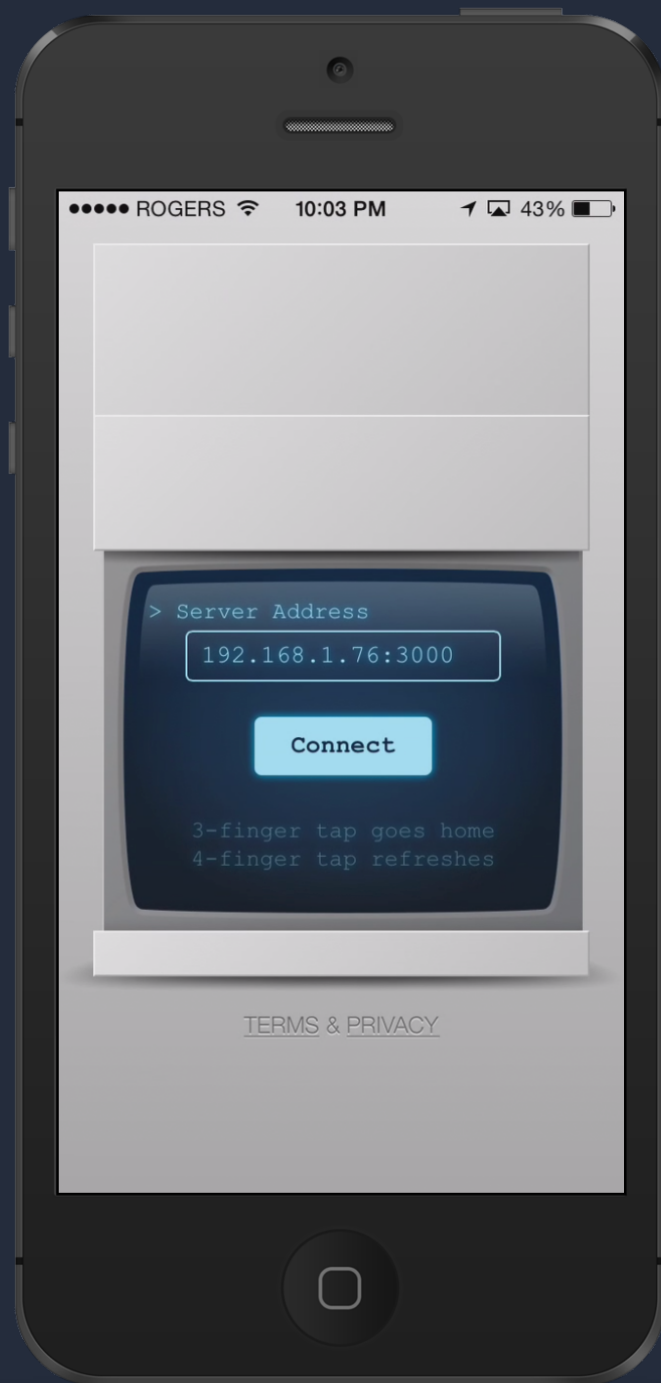
Streaming is better  
than deploying.

Yet mobile hybrid app developers...  
deploy to their devices

How can mobile hybrid app  
developers stream to their devices?

We know web developers  
download browsers

Can hybrid app developers  
download platforms?



Think of this as your browser!

# PhoneGap Developer App



Apple App Store

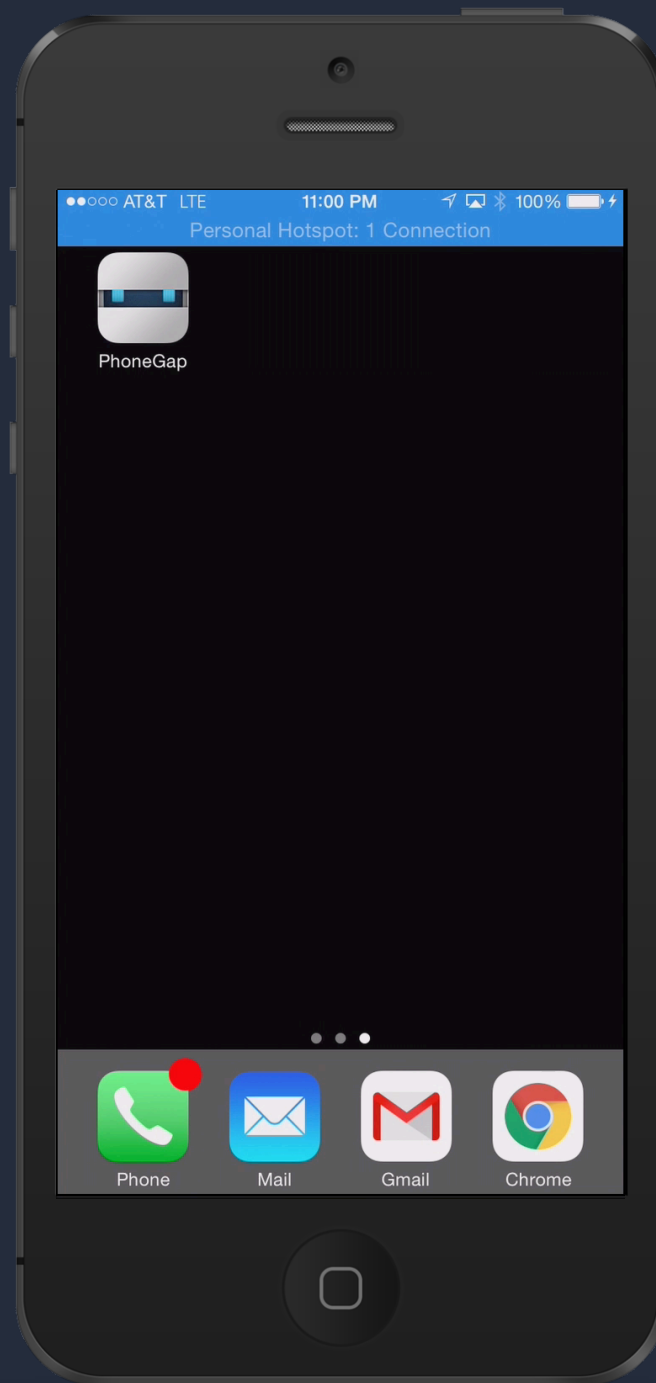


Google Play Store



Windows Phone Store

Send thanks to [@timkim](#)







We are improving this headache!

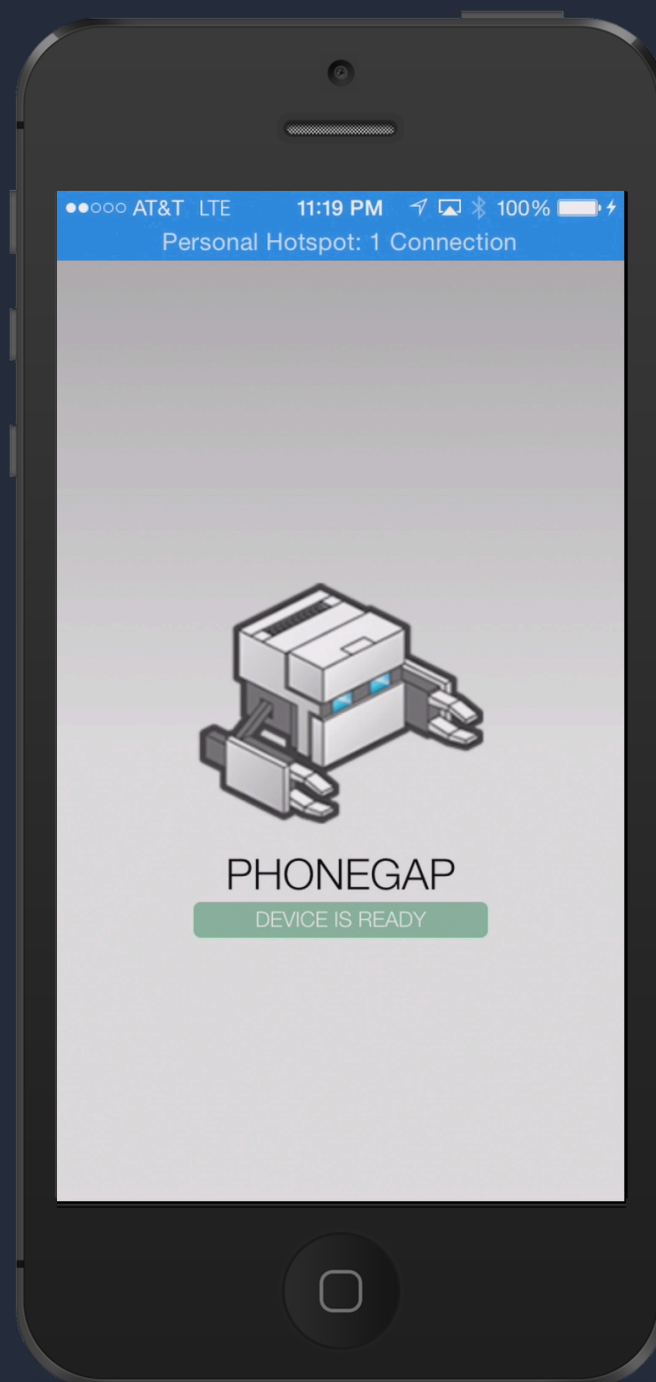
```
3 -->
content="user-scalable=no, initial-
=1, minimum-scale=1, width=device-width,
target-densitydpi=device-dpi" />
type="text/css" href="css/index.css" />
tle>
```

```
dy" class="blink">
t listening">Connecting to Device</p>
t received">Device is Ready</p>
```

```
ascript" src="cordova.js"></script>
ascript" src="js/index.js"></script>
ascript">
```

Spaces: 4

HTML



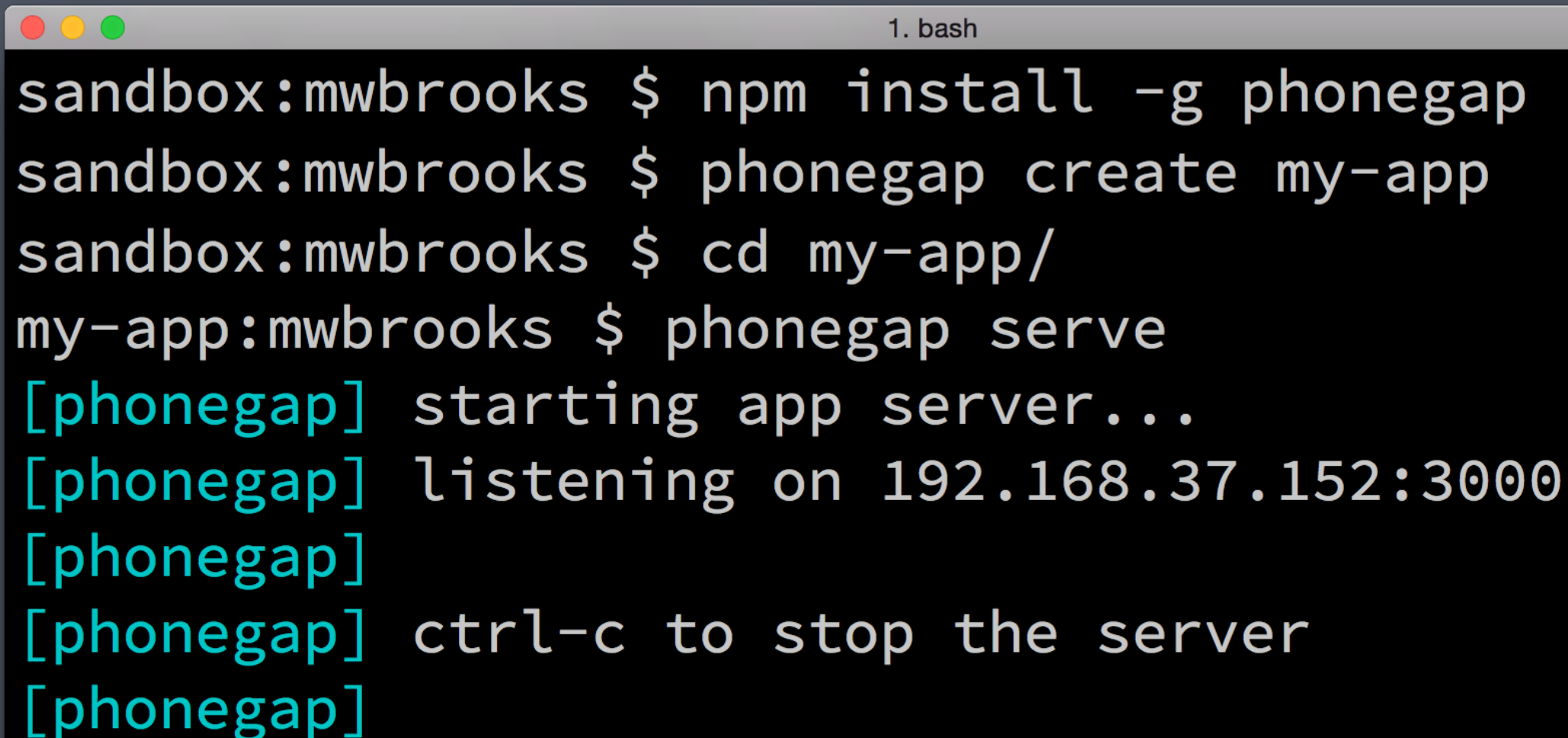
In web development

A web page is served by  
a web server

In hybrid app development

A hybrid app is served  
by the PhoneGap CLI

# Serving an app with the PhoneGap CLI



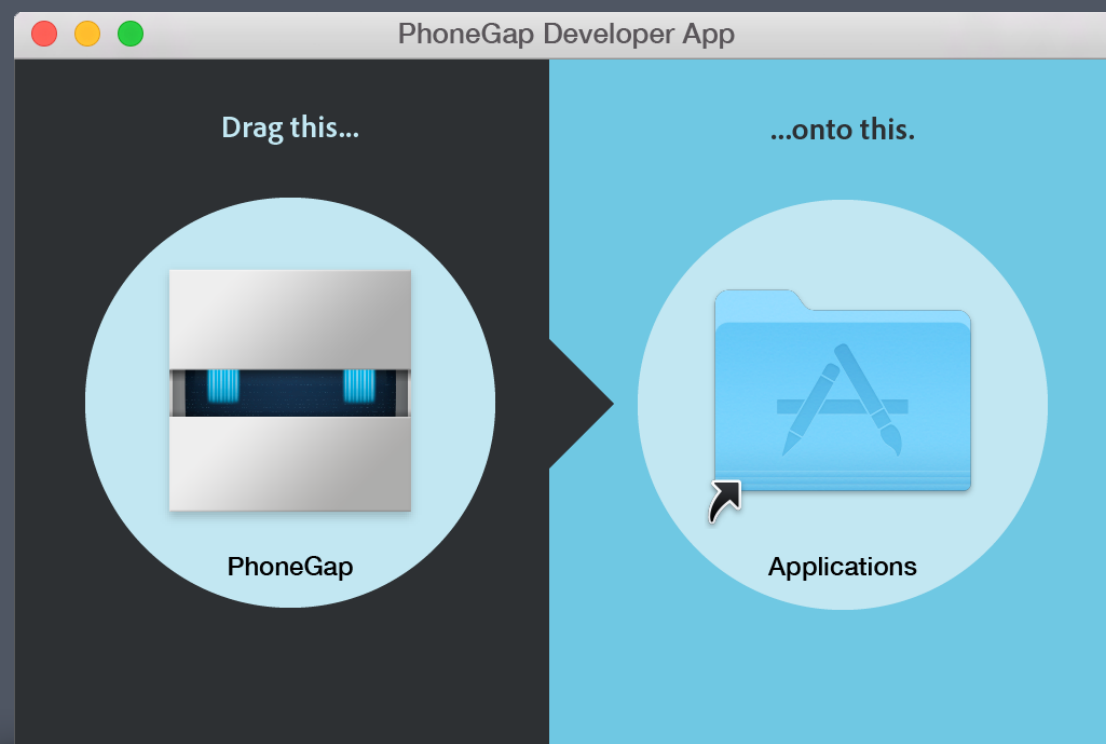
```
1. bash
sandbox:mwbrooks $ npm install -g phonegap
sandbox:mwbrooks $ phonegap create my-app
sandbox:mwbrooks $ cd my-app/
my-app:mwbrooks $ phonegap serve
[phonegap] starting app server...
[phonegap] listening on 192.168.37.152:3000
[phonegap]
[phonegap] ctrl-c to stop the server
[phonegap]
```

A terminal window with a title bar containing three colored circles (red, yellow, green) and the text "1. bash". The terminal displays a series of commands and their outputs. The commands are: `npm install -g phonegap`, `phonegap create my-app`, `cd my-app/`, and `phonegap serve`. The outputs are: `[phonegap] starting app server...`, `[phonegap] listening on 192.168.37.152:3000`, and `[phonegap] ctrl-c to stop the server`. The prompt `[phonegap]` is shown at the end of the last line.

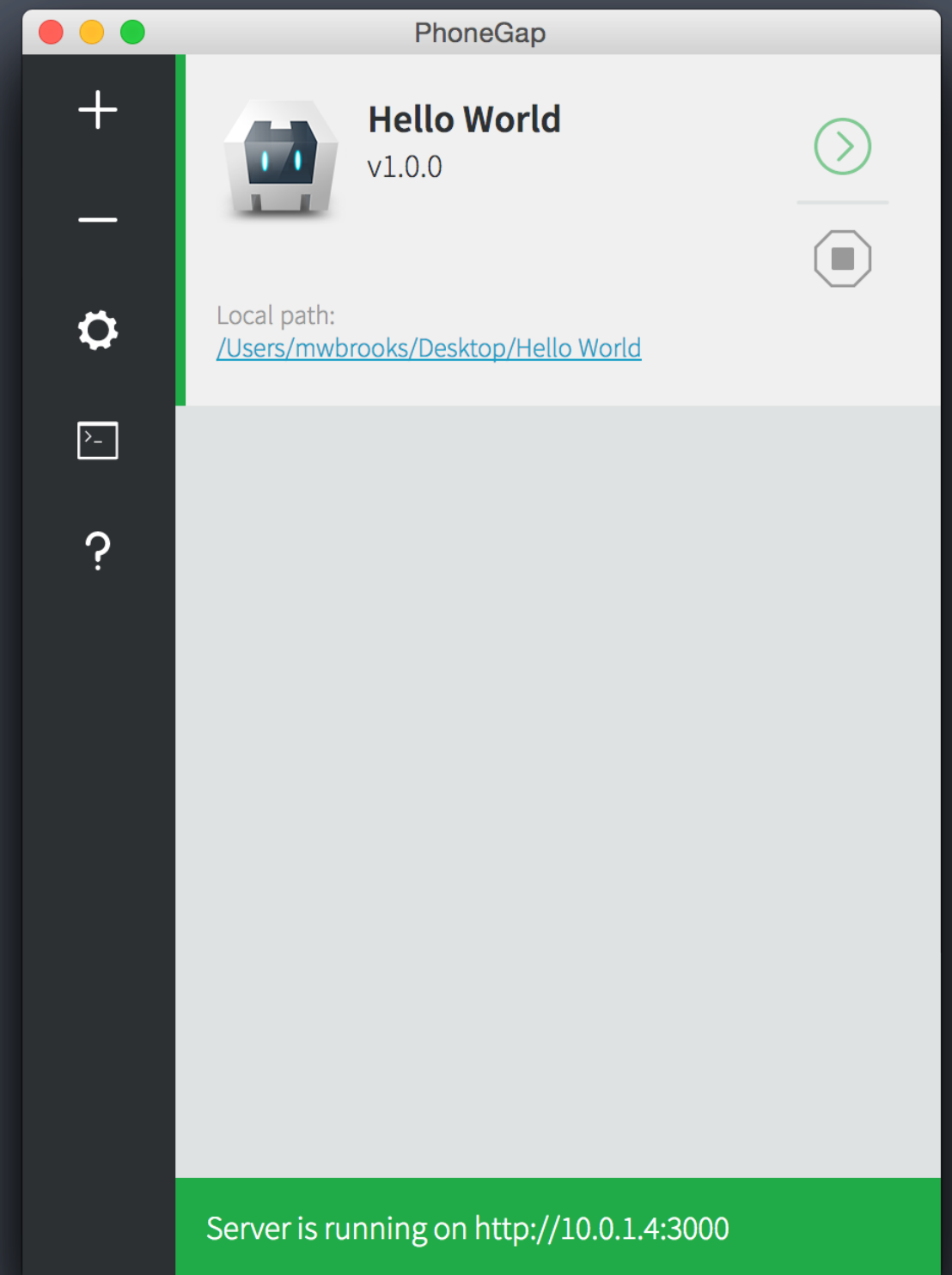
Terminal not your kinda window?

Try the PhoneGap Desktop app

Coming next week!



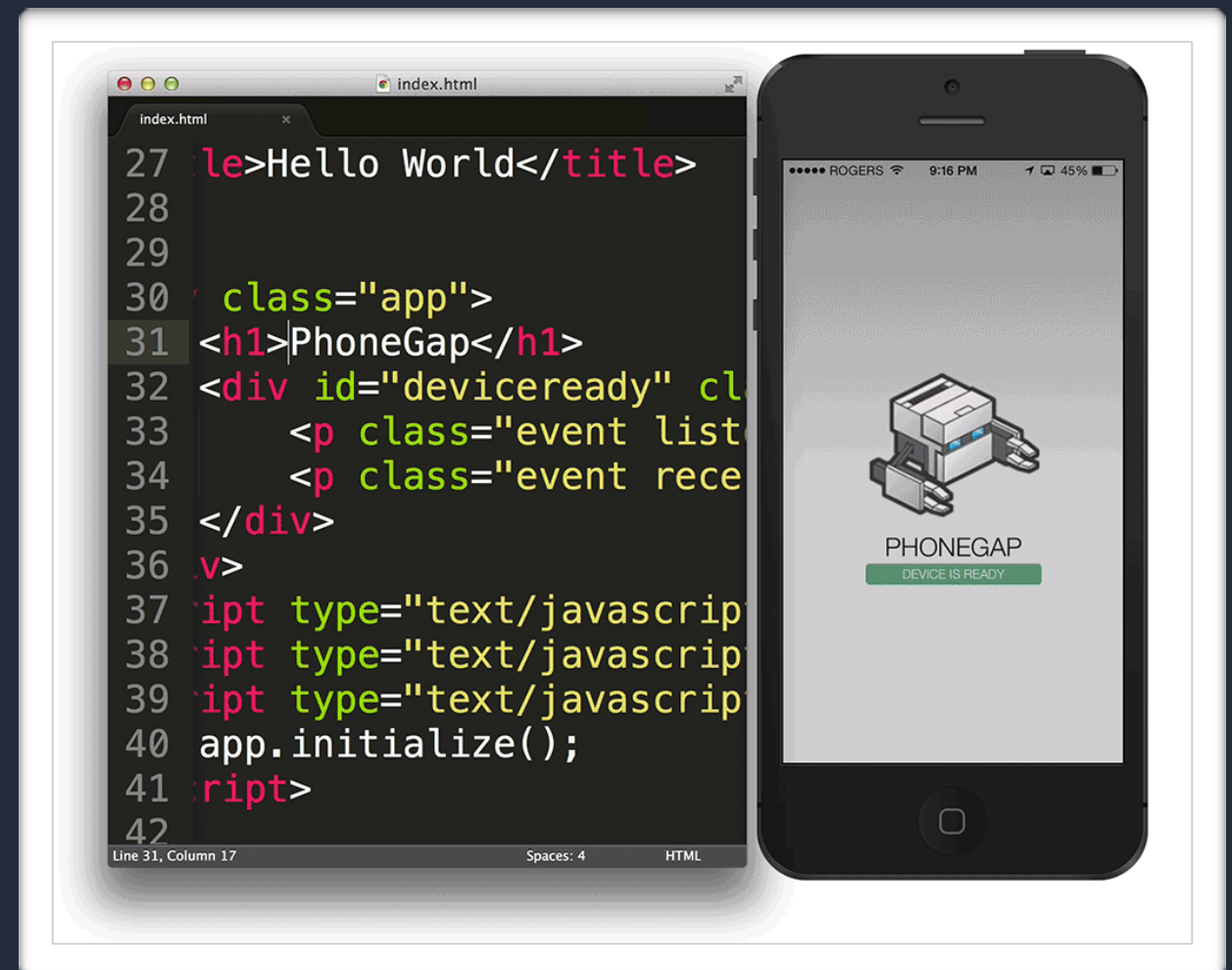
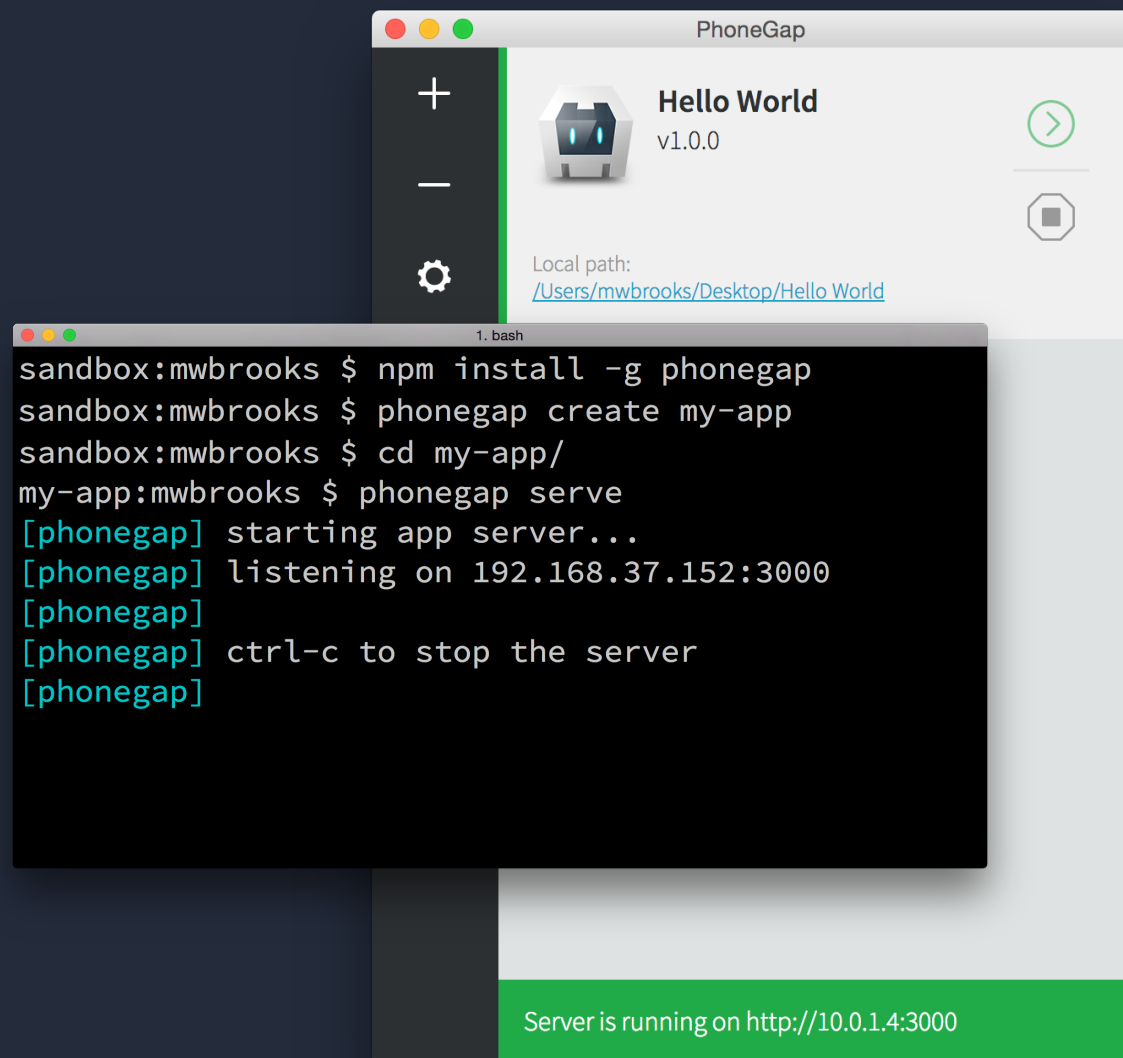
Windows supported too!



Send thanks to [@hermwong](#)



# Putting it all together



# We've got you covered



Got **questions**, requests, or complaints?  
Every bit is **open sourced**!

[github.com/phonegap/phonegap-cli](https://github.com/phonegap/phonegap-cli)  
[github.com/phonegap/phonegap-app-desktop](https://github.com/phonegap/phonegap-app-desktop)  
[github.com/phonegap/phonegap-app-developer](https://github.com/phonegap/phonegap-app-developer)

Cheers!

@mwbrooks

[michaelbrooks.ca](http://michaelbrooks.ca)

Thank you!

@hermwong

@timkim