A close-up photograph of a white puppy and a brown deer fawn in a grassy field. The puppy is on the left, facing right, with its head tilted up towards the deer. The deer is on the right, facing left, with its head tilted down towards the puppy. They appear to be nuzzling or playing. The background is a soft-focus green field.

IONIC SERVICES

WHO AM I?

I'M NOT RAY



MIKE HARTINGTON

Developer for Ionic

We've probably talked before

@mhartington

STILL NOT RAY

BUT I SHALL PRESENT HIS WORK

and take all the credit

ASSETS

<https://github.com/cfjedimaster/IonicServicesPresentation>

THANKS!



@ericbobbitt

AGENDA

What do Ionic Services require?

Discuss each Ionic Service

ALPHA WARNING

GETTING STARTED

WHAT YOU NEED

Latest version of the CLI

Signup at apps.ionic.io (free)

PREPARING AN APP

Create your app (or pick an existing one)

Add the platform web client:

```
$ ionic add ionic-platform-web-client
```

Upload the application to the Ionic Platform:

```
$ ionic io init
```

Aside: **ionic config build**

IONIC USERS

"Support" service

No authentication

Helps you with Ids

I fight for the users!

Just a data storage type system

IONIC USERS

```
Ionic.io();  
  
// this will give you a fresh user or the previously saved 'current user'  
var user = Ionic.User.current();  
  
// if the user doesn't have an id, you'll need to give it one.  
if (!user.id) {  
  user.id = Ionic.User.anonymousId();  
  // user.id = 'your-custom-user-id';  
  //persist the user  
  user.save();  
}  
}
```

IONIC USERS

```
var user = Ionic.User.current();

user.set("name", "Mike");
user.set("age", 26);

//persist the user
user.save();

console.log(user.get("name"));
```



PUSH

WHAT IS PUSH?

Messages (text/data) from a server to your app

Messages can be sent to specific users

Requires(*) external setup (Google/Apple)

Only testable on real devices

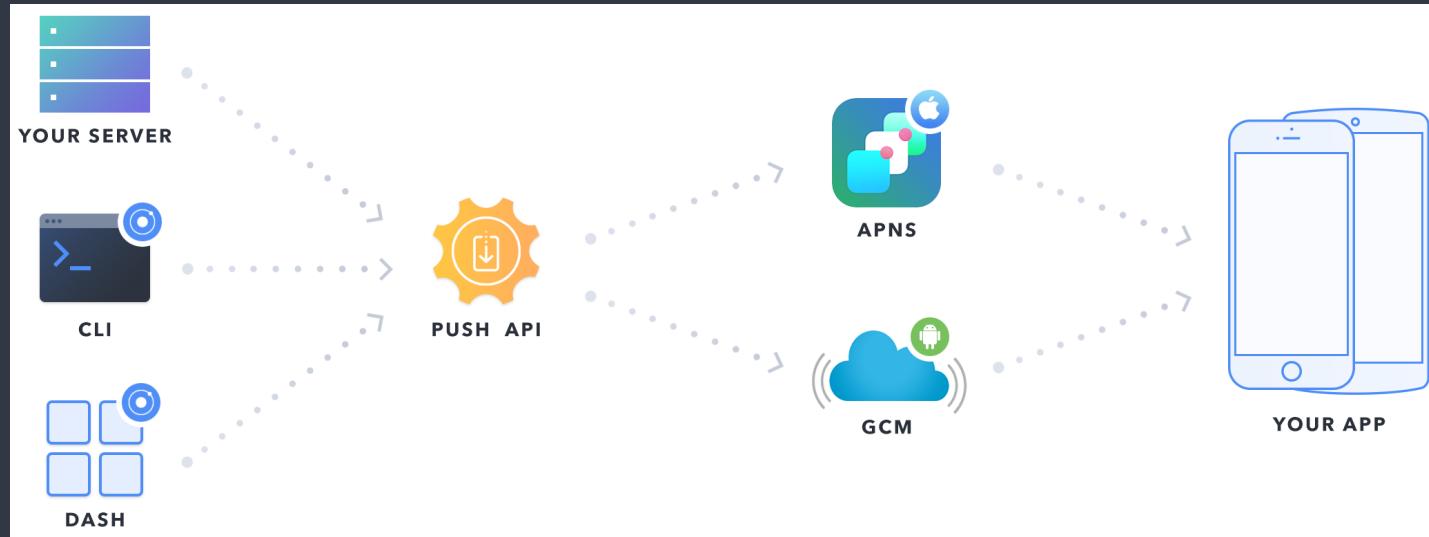
WHAT DOES IONIC GIVE YOU?

A library to register for and respond to push messages

A console + CLI + REST API to send push messages

The ability to ping a server on registration/unsub

The ability for your app to know it opened up via notification and
load a state (with params) on notification



REQUIREMENTS FOR IONIC PUSH

The Stuff I Already Mentioned

A Push plugin: `ionic plugin add phonegap-plugin-push`

External IDs/certs (optional, but required for production)

```
.run(function($ionicPlatform) {
  $ionicPlatform.ready(function() {
    Ionic.io();

    var push = new Ionic.Push();

    push.register(function(pushToken) {
      console.log('Registered token:', pushToken.token);
      user.addPushToken(pushToken);
      user.save(); // you NEED to call a save after you add the token
    });
  })
})
```

IOS STUFF

Do "stuff"

You'll do the cert/prof/etc dance

You install the cert via cli:

```
ionic push --ios-dev-cert
```

ANDROID STUFF

You'll do the simpler setup

```
ionic push --google-api-key your-google-api-key
```

```
ionic config set gcm_key your-gcm-project-number
```

WEB HOOKS

"Ping my server on registration"

```
ionic push webhook_url http://example-server.com/example-api-endpoint
```

POST with JSON data in the body

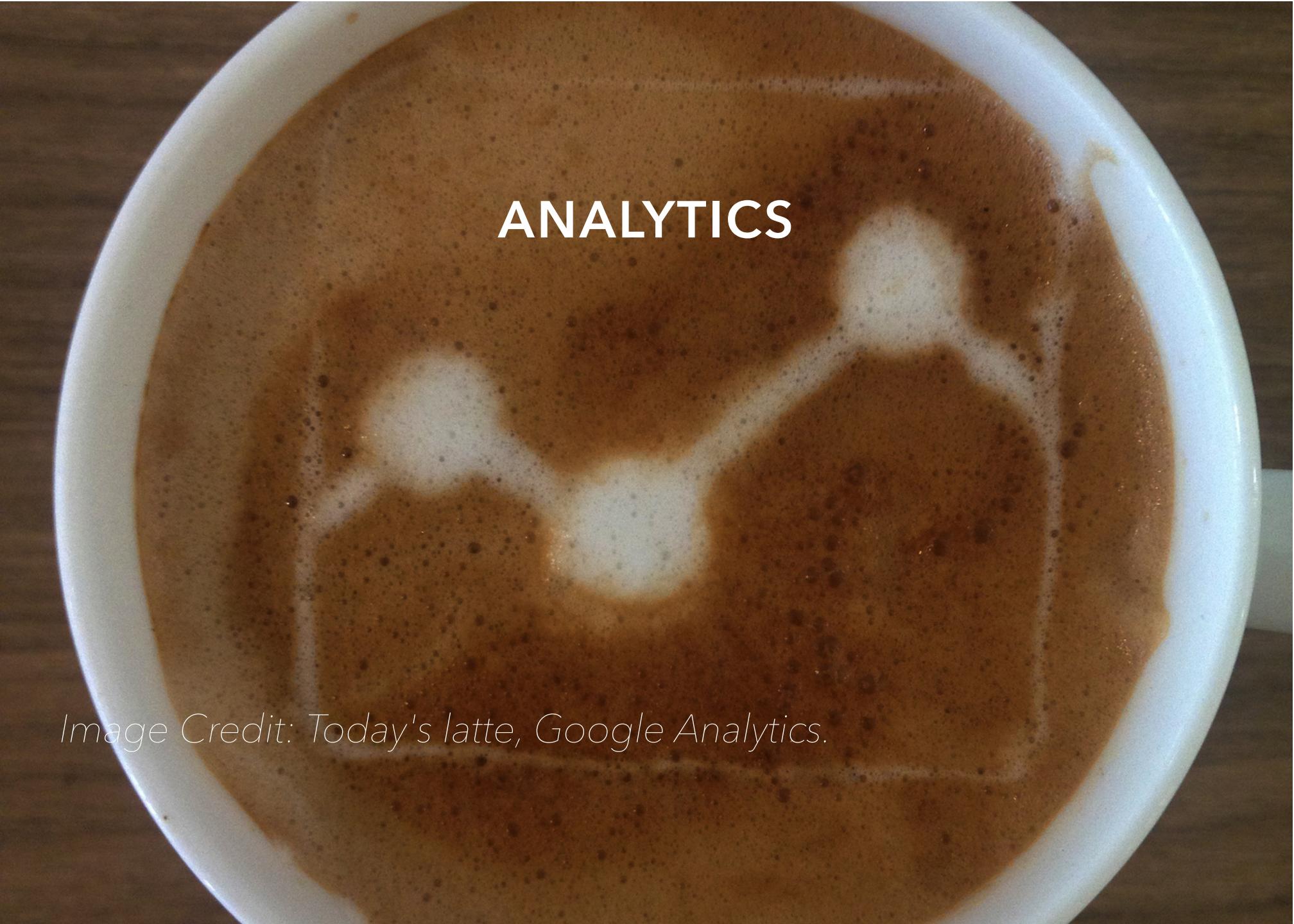
Ionic Push Webhooks w/Bluemix

PUSH MESSAGE OPTIONS

To specific users (instead of tokens)

For a later time

Push items like sound, badge, etc,
are documented here:[Push Plugin](#)



ANALYTICS

Image Credit: Today's latte, Google Analytics.

WHAT ARE ANALYTICS?

Data about the type of users using your app

Data about how users are using your app

Data about specific paths (people who did X, Y, Z)

WHAT DOES IONIC GIVE YOU?

A library to do this

A way to automate collection

A way to view reports

REQUIREMENTS FOR IONIC ANALYTICS

The Stuff I Already Mentioned

Slight modification to code

A "register" call

WHAT'S TRACKED?

load

state change

tap

CUSTOM TRACKING

```
$ionicAnalytics.track(name, data);
```

MORE ANALYTIC STUFF

Global properties feature

Customize how often data is sent

ion-track directive

```
<button class="button button-positive"  
       ion-track-tap="Tap Face"  
       ion-track-data="scopeData">Tap Here</button>
```

A photograph of two fluffy orange cats sitting side-by-side. Each cat has a white Stormtrooper action figure standing on its back. The cats are looking towards the camera. The background is a soft-focus outdoor scene with greenery and flowers.

DEPLOY

WHAT IS DEPLOY?

Ability to update your application...
without doing an app store release!

Ability to undo that update

WHAT DOES IONIC GIVE YOU?

A library to do this in your app

A way to deploy new versions (and roll back)

A way to deploy new versions to select channels

A way to view deployment history

WHAT IS SUPPORTED?

"small text updates or other non-binary updates"

WHAT IS SUPPORTED?

Text (html, JS, css)

Graphics (images, sound files)

Basically everything under www

WHAT IS NOT SUPPORTED?

Anything outside of `www/`

Cordova Plugins

REQUIREMENTS FOR IONIC DEPLOY

The Stuff I Already Mentioned

A plugin (ionic-plugin-deploy)

Code to check for an update and/of do the update

```
var deploy = new Ionic.Deploy();

// Check Ionic Deploy for new code
$scope.checkForUpdates = function() {

  console.log('Ionic Deploy: Checking for updates');
  deploy.check().then(function(hasUpdate) {

    console.log('Ionic Deploy: Update available: ' + hasUpdate);
    $scope.hasUpdate = hasUpdate;

  }, function(err) {
    console.error('Ionic Deploy: Unable to check for updates', err);
  });
}
```

```
// Update app code with new release from Ionic Deploy
$scope.doUpdate = function() {

  deploy.update().then(function(res) {
    console.log('Ionic Deploy: Update Success! ', res);

  }, function(err) {

    console.log('Ionic Deploy: Update error! ', err);

  }, function(prog) {

    console.log('Ionic Deploy: Progress... ', prog);
  });
};
```

DOING UPDATES (V1)

```
ionic upload --note "purple bar"
```

Then deploy from the site.

DOING UPDATES (V2)

```
ionic upload --note "purple bar" --deploy=production
```

A dark, atmospheric scene of a city at night. In the center, a bright, glowing path leads through a dense grid of buildings, illuminated by numerous streetlights and building lights. The architecture is modern and somewhat abstract. In the foreground, there's a dark, possibly metallic or concrete structure. The overall mood is mysterious and futuristic.

PACKAGE

SERVICE BASED COMPILATION

100% CLI based

Alpha Alpha

New Feature: Security Profiles

WRAP UP

Remember everything I showed you will be different tomorrow

User system

REST API

QUESTIONS?



Credit: Flickr: S. Elizabeth

@mhartington

@raymondcamden