

Apps mòbils amb



ionic

Índex

- Cordova Plugins
- Ionic Platform
- Native vs Hybrid
- Mobile Apps @ Trovit

Plugins

ngCordova is a collection of 70+ AngularJS extensions on top of the Cordova API that make it easy to build, test, and deploy Cordova mobile apps with AngularJS.



Plugins

Install

```
$> bower install ngCordova
```

```
<script src="lib/ngCordova/dist/ng-cordova.js"></script>  
<script src="cordova.js"></script>
```

Plugins

Install

```
$> cordova plugin add <cordova-plugin-name>
```

```
$ionicPlatform.ready(function() {  
  $cordovaPlugin.someFunction().then(success, error);  
});
```

Camera

```
module.controller('PictureCtrl', function($scope, $cordovaCamera) {  
  document.addEventListener("deviceready", function () {  
    var options = {  
      quality: 50,  
      destinationType: Camera.DestinationType.DATA_URL,  
      sourceType: Camera.PictureSourceType.CAMERA,  
      allowEdit: true,  
      encodingType: Camera.EncodingType.JPEG,  
      ...  
    };  
  
    $cordovaCamera.getPicture(options).then(function(imageData) {  
      var image = document.getElementById('myImage');  
      image.src = "data:image/jpeg;base64," + imageData;  
    }, function(err) { // error });  
  }, false);  
});
```

Geolocation

```
module.controller('GeoCtrl', function($cordovaGeolocation) {  
  
    var posOptions = {timeout: 10000, enableHighAccuracy: false};  
    $cordovaGeolocation  
        .getCurrentPosition(posOptions)  
        .then(function (position) {  
            var lat  = position.coords.latitude  
            var long = position.coords.longitude  
        }, function(err) {  
            // error  
        });  
});
```

SQLite

```
module.controller('MyCtrl', function($scope, $cordovaSQLite) {

    var db = $cordovaSQLite.openDB({ name: "my.db" });

    // for opening a background db:
    var db = $cordovaSQLite.openDB({ name: "my.db", bgType: 1 });

    $scope.execute = function() {
        var query = "INSERT INTO test_table (data, data_num) VALUES (?,?)";
        $cordovaSQLite.execute(db, query, ["test", 100]).then(function(res) {
            console.log("insertId: " + res.insertId);
        }, function (err) {
            console.error(err);
        });
    };
});
```


And many more...

- AdMob
- Battery Status
- Device orientation
- iBeacon
- Touch ID
- Oauth
- Progress indicator

Ionic Platform

Platform?

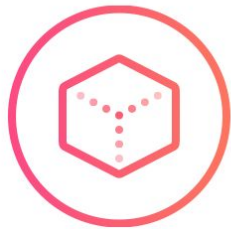
Was not a framework?

Ionic Platform

Yes, but it has a platform around.



CREATE



PACKAGE



ANALYZE



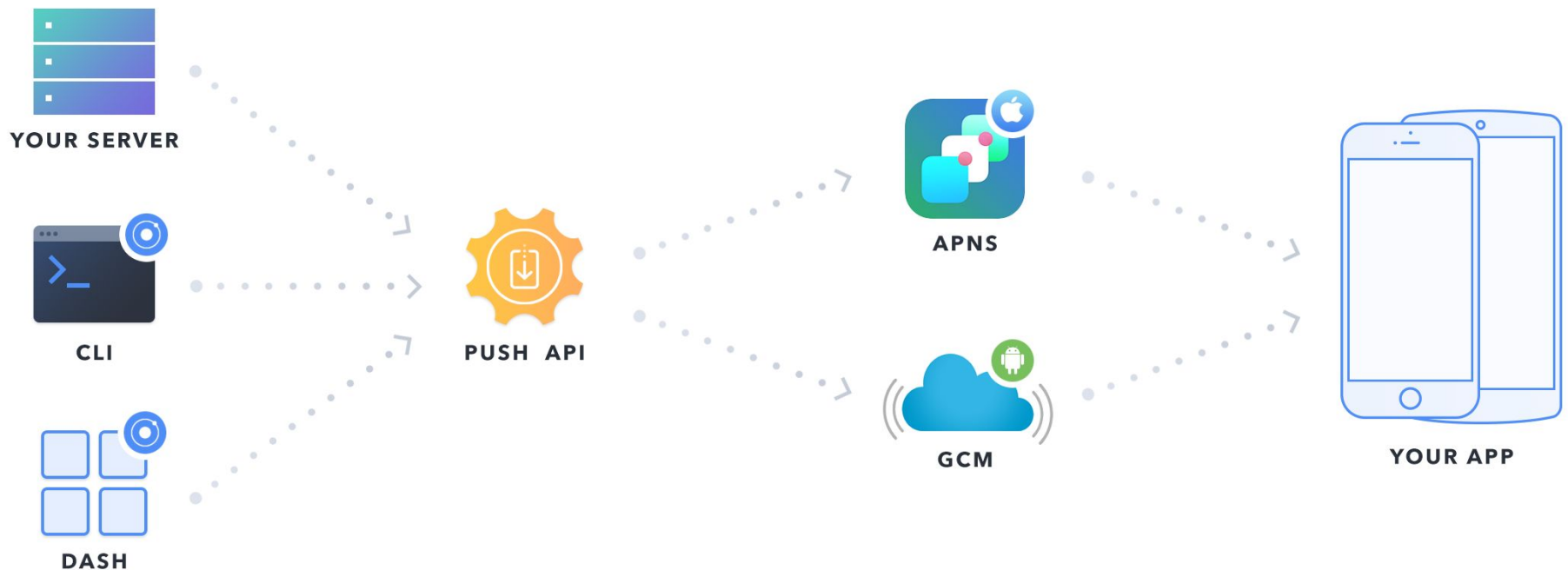
UPDATE



PUSH

Ionic Push

Ionic Push lets you create targeted push notifications through a simple dashboard that will be sent automatically when users match specific criteria, and offers a simple API to send push notifications from your own servers.



Ionic Push

Set up

```
ionic plugin add phonegap-plugin-push
```

```
.run(function($ionicPlatform) {  
  $ionicPlatform.ready(function() {  
    var push = new Ionic.Push({  
      "debug": true  
    });  
  
    push.register(function(token) {  
      console.log("Device token:", token.token);  
    });  
  });  
})
```

Ionic Push

Receive push notifications

```
$ionicPush.init({  
  "debug": true,  
  "onNotification": function(notification) {  
    var payload = notification.payload;  
    console.log(notification, payload);  
  },  
  "onRegister": function(data) {  
    console.log(data.token);  
  }  
});
```

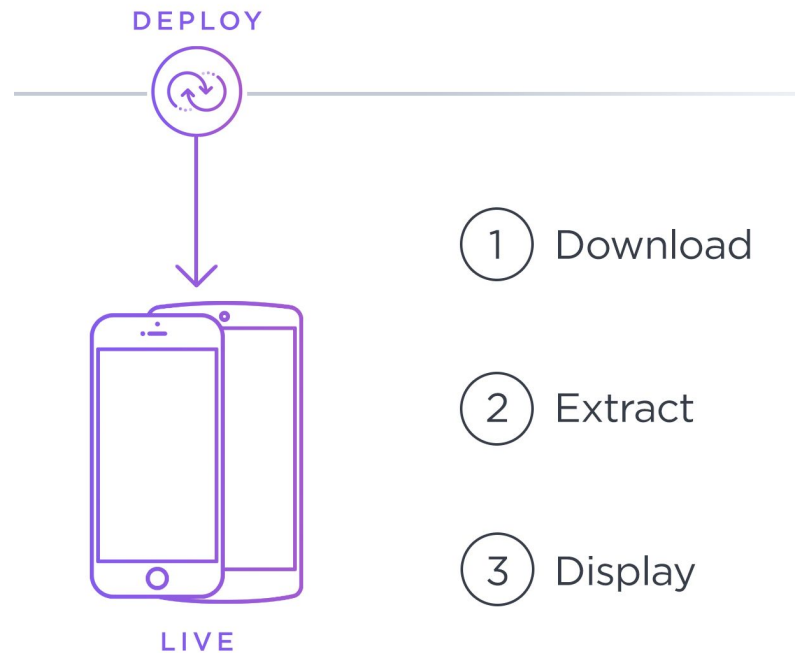
Ionic Push

Send push notification

```
{  
  "tokens": [  
    "b284a6f7545368d2d3f753263e3e2f2b7795be5263ed7c95017f628730edeaad",  
    "d609f7cba82fdd0a568d5ada649cddc5ebb65f08e7fc72599d8d47390bfc0f20"  
  ],  
  "notification": {  
    "alert": "Hello World!",  
    "android": {  
      "collapseKey": "foo",  
      "delayWhileIdle": true,  
      "timeToLive": 300,  
      "payload": {  
        "key1": "value",  
        "key2": "value"  
      }  
    }  
  }  
}
```

Ionic Deploy


Ionic Deploy lets you update your app on demand, for any changes that do not require binary modifications, saving you days, or even weeks, of wait time.



Ionic Deploy

```
.controller('DashCtrl', function($scope) {  
  var deploy = new Ionic.Deploy();  
  // 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);  
    });  
  };  
})
```



Ionic Deploy

**new version**



Deployed 8:37 AM on 2015-07-01 · 5d2accce · Uploaded by Eric

channel: Production ▾



RECENT ACTIVITY



new version: rollback
5d2accce · 7:51 AM on 2015-07-01 by Eric



text change: deploy
ad92d2ce · 7:50 AM on 2015-07-01 by Eric · [Roll back to here](#)



text change: upload
ad92d2ce · 7:50 AM on 2015-07-01 by Eric

EDIT

DEPLOY

Ionic Analytics

Ionic Analytics uses event data to model user interactions in your app. An event represents a single action at a single point in time, such as a purchase, scroll, signup, or login.

Automatically it collects the following:

- Load
- Tap
- State change

Ionic Analytics

Global properties

```
$ionicAnalytics.setGlobalProperties({  
  app_version_number: 'v0.1.3',  
  day_of_week: (new Date()).getDay()  
});
```

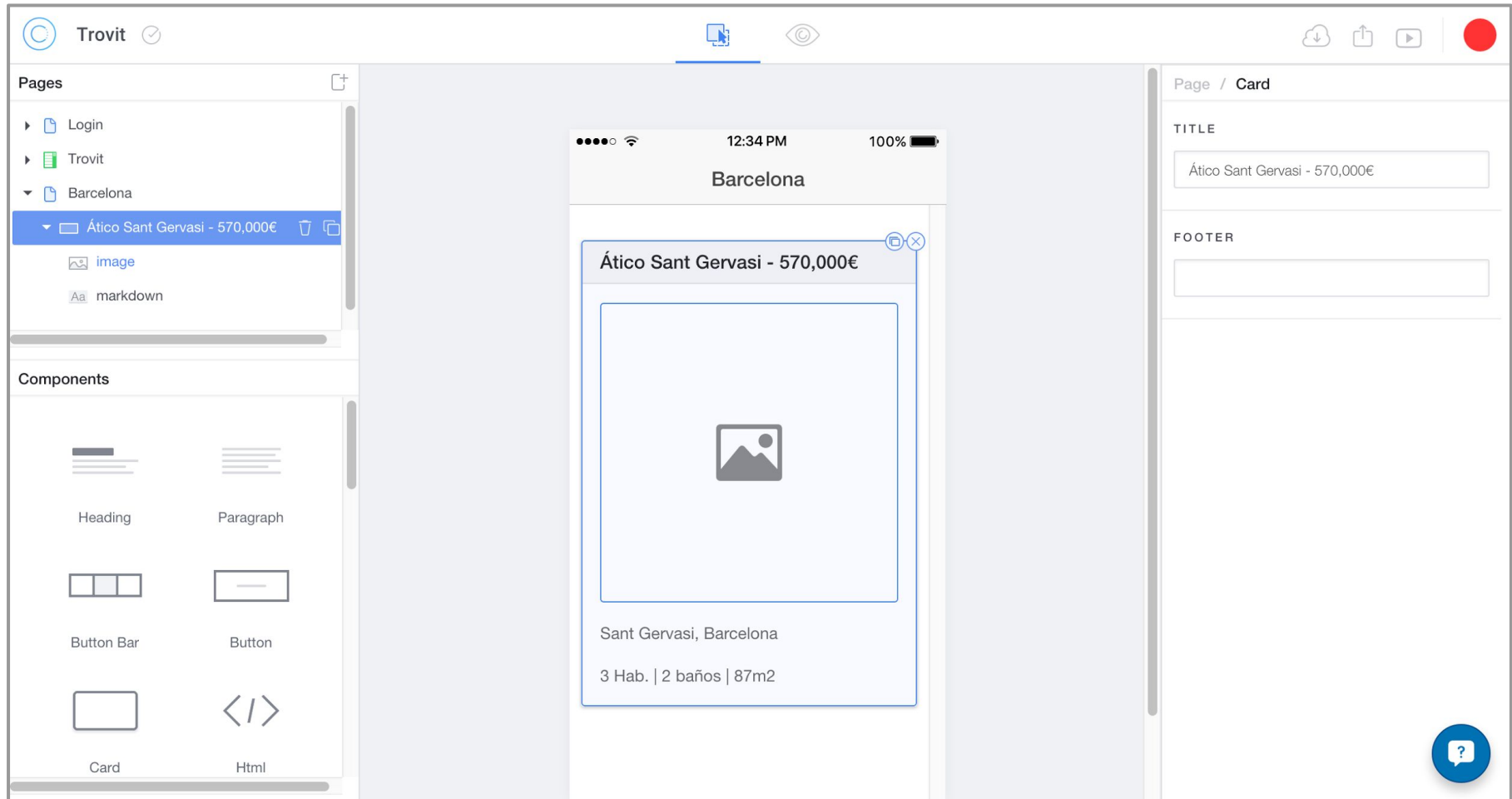
Custom events

```
$ionicAnalytics.track('Purchase Item', {  
  item: {  
    id: 'lpdsx',  
    name: 'Leopard Socks'  
  }  
});
```

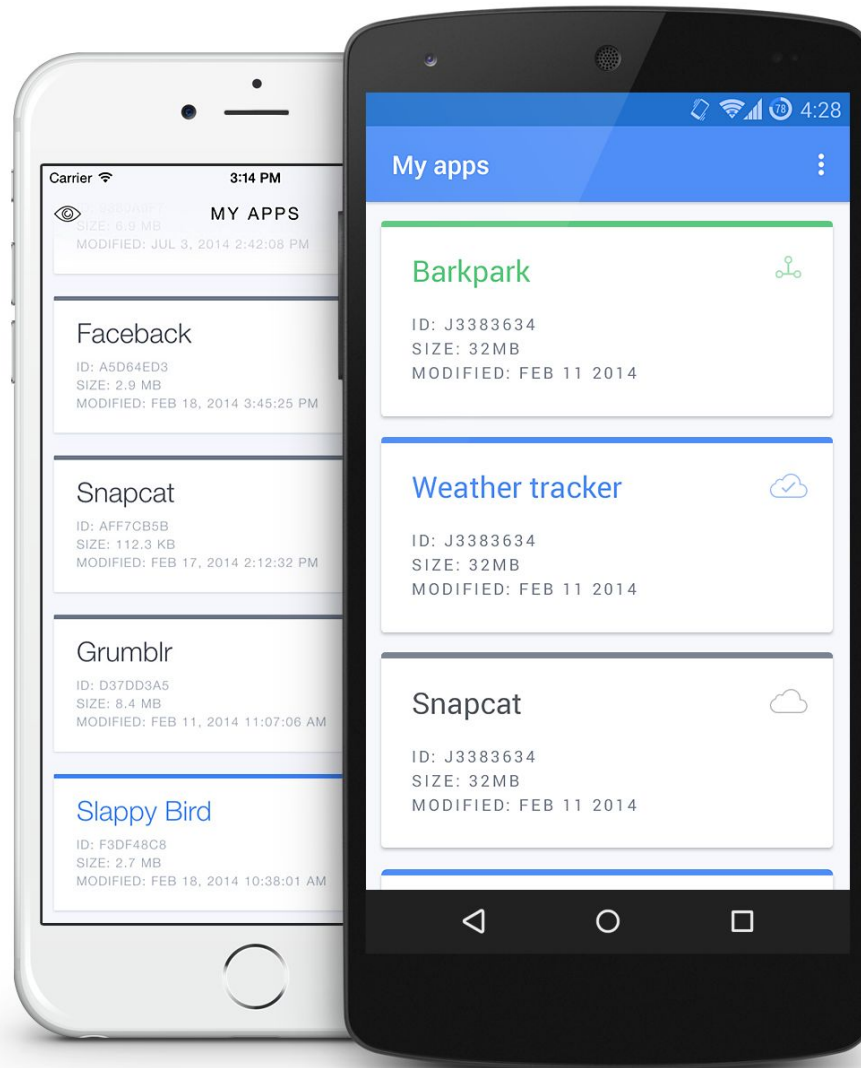
Ionic Creator

Creator is a drag-&-drop prototyping tool for creating great apps using Ionic, with just a click of the mouse.

Ionic Creator



Ionic View



Native vs Hybrid

Native

Pros

- Best performance and provides full access to the underlying device hardware
- UI Elements consistent with the platform's look and feel

Cons

- Proficiency in each platform required
- Entirely separate code bases
- Timely & Expensive development

Native vs Hybrid

Hybrid

Pros

- Web technologies (easy to learn)
- Single code base
- Low development cost

Cons

- Slow performance compared to Native apps (even though the gap is smaller nowadays)
- Problems with look and feel between platforms

Native vs Hybrid

When should you build a hybrid mobile apps?

Native vs Hybrid

Have a **multi-million dollar budget?**

Have a large team of experienced native developers?

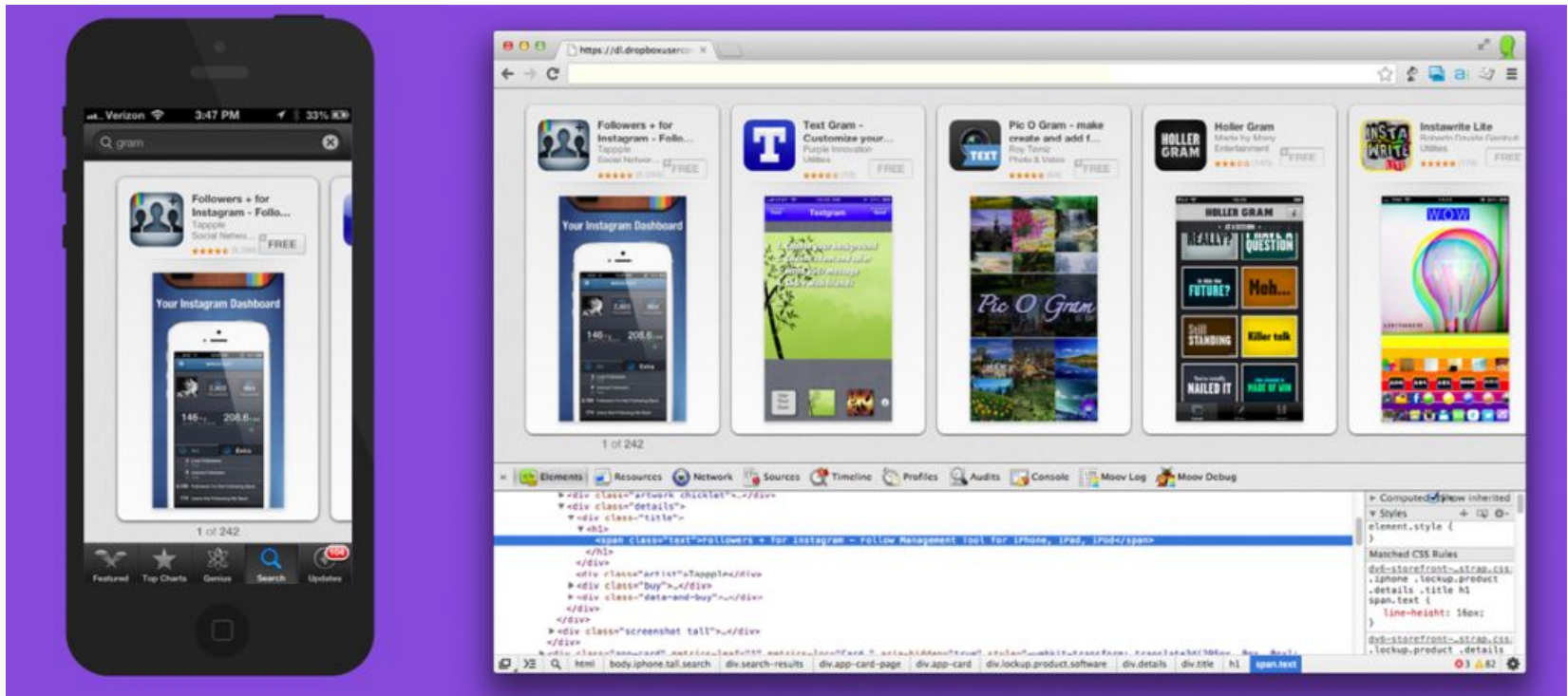
Established company?

Native vs Hybrid

Do Native Apps

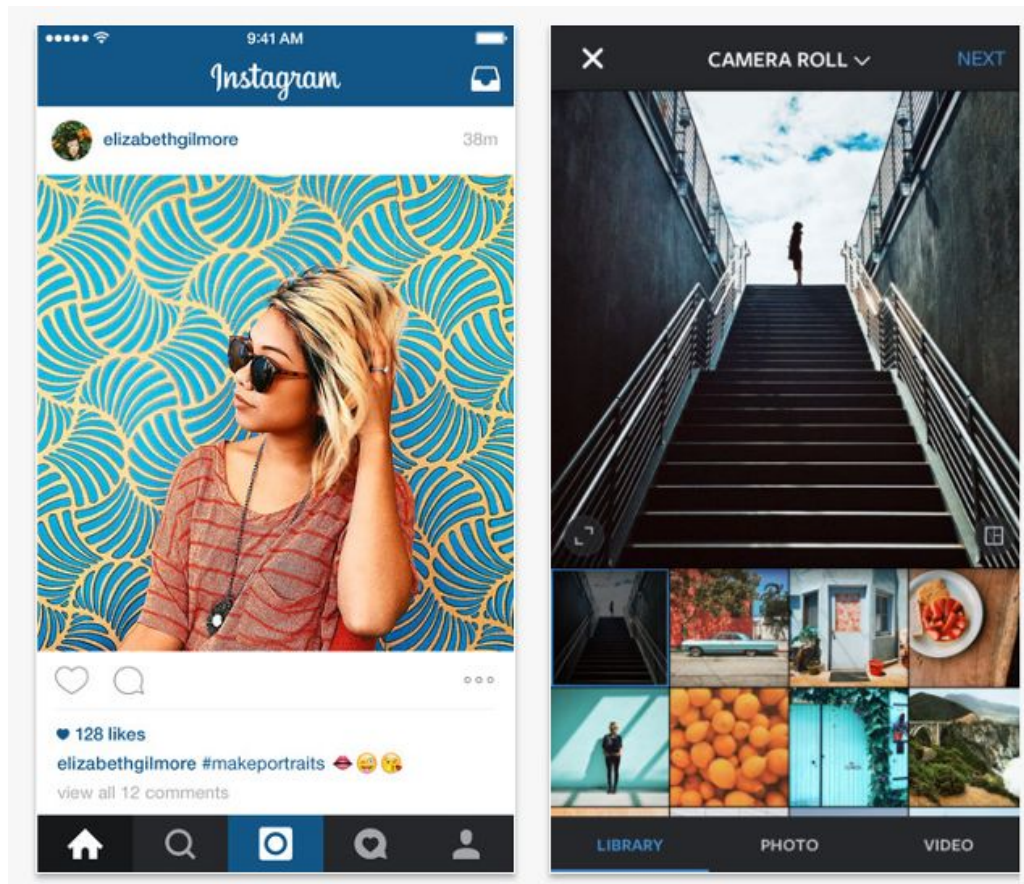
Hybrid Apps

App Store



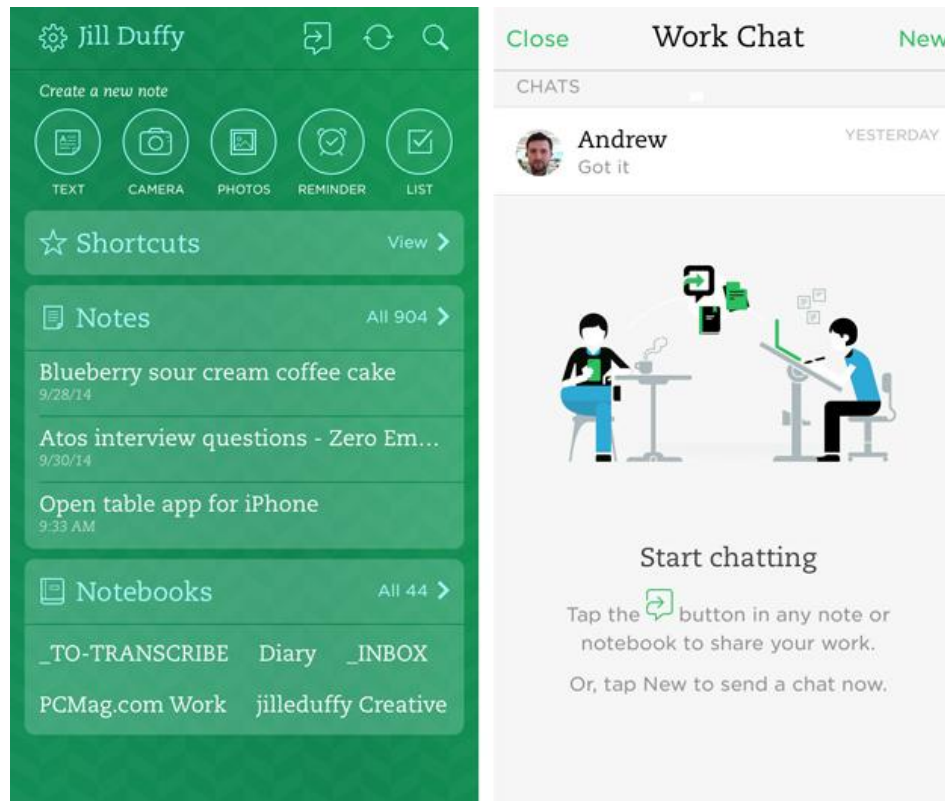
Hybrid Apps

Instagram



Hybrid Apps

Evernote



Mobile Apps @ Trovit

Android



iOS



Q&A