

Mobilizando OpenUi5 com Apache Cordova

Bruno Lucattelli

**YOU ARE LEAVING
SAP BACKEND SECTOR
Вы ВЫЕЗЖАЕТЕ ИЗ
АМЕРИКАНСКОГО СЕКТОРА
VOUS SORTEZ
DU SECTEUR SAP BACKEND
SIE VERLASSEN DEN SAP BACKEND SEKTOR**

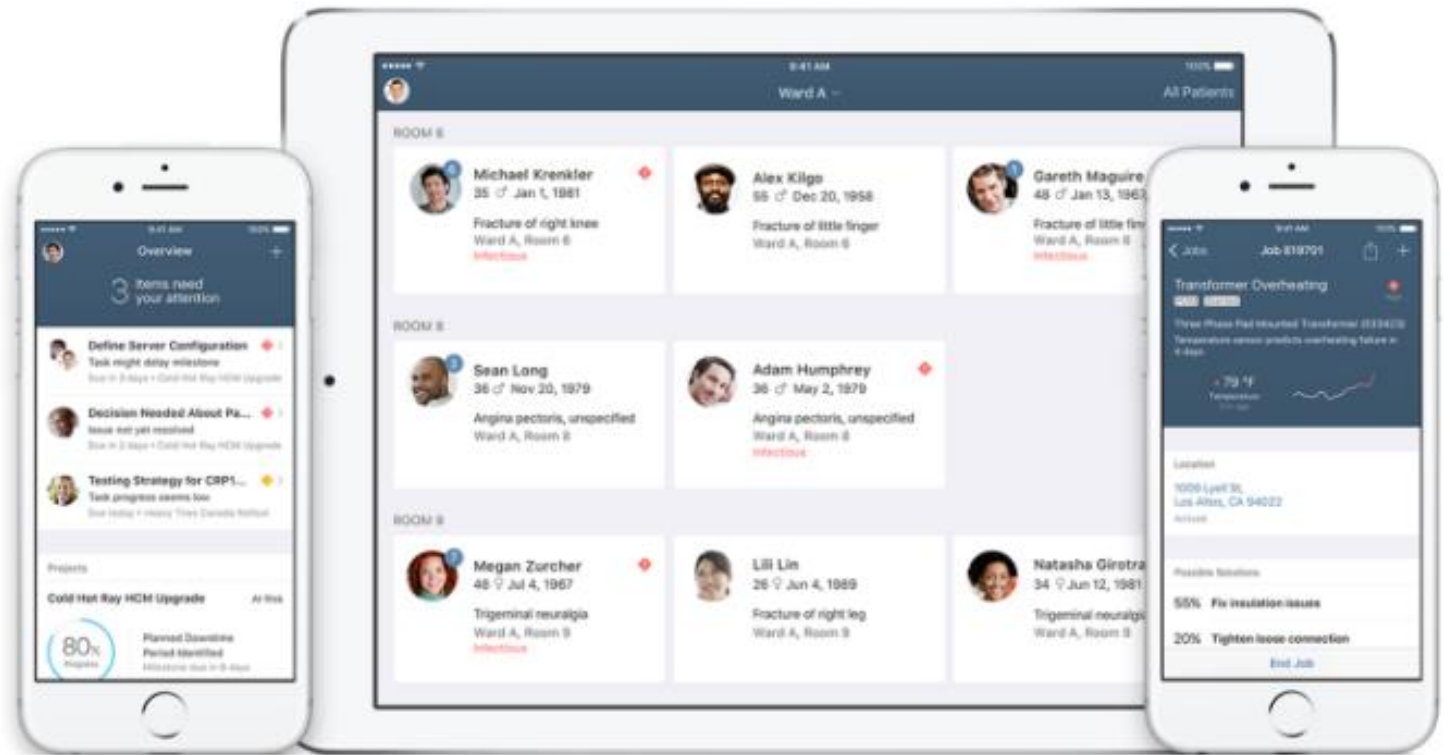
U15 ARMY



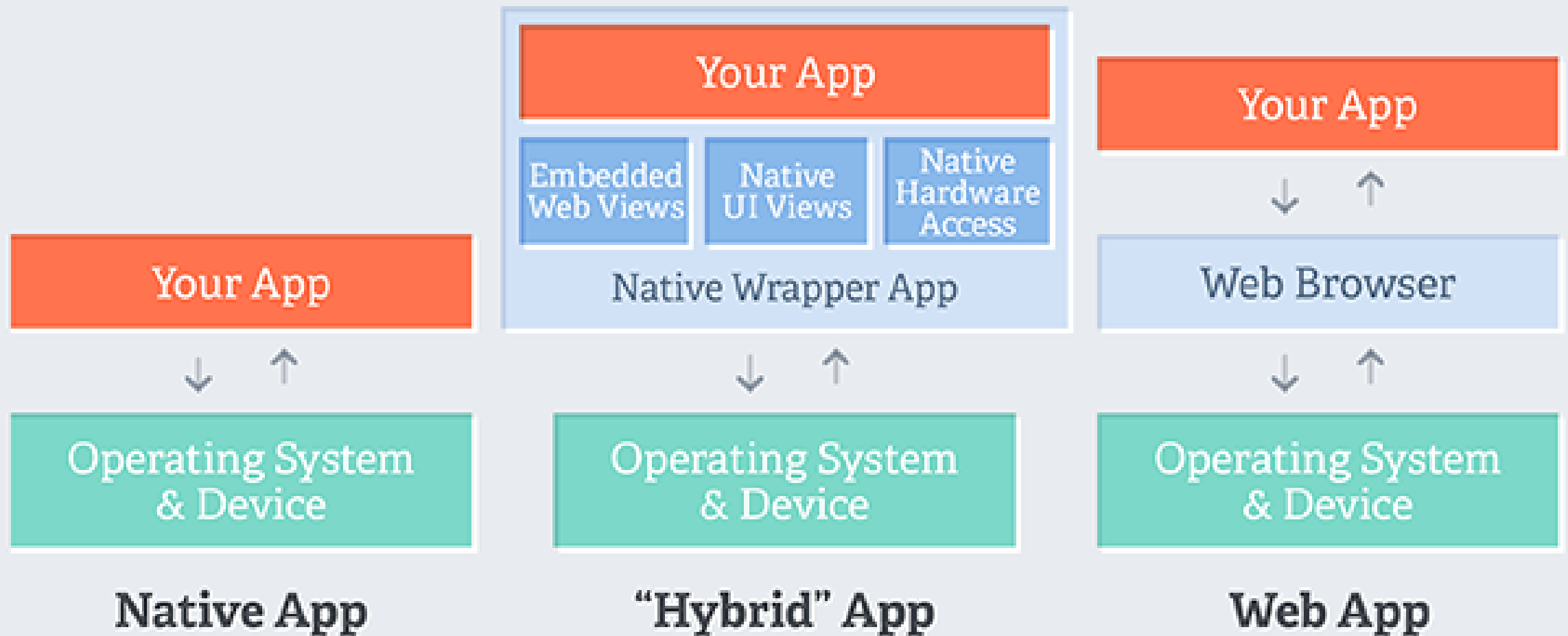
- Não tem push notification
- Não tem off-line
- Não tem acesso a muitos recursos do dispositivo, como gps, câmera, microfone, acelerômetro, etc...

SAP Fiori for iOS

We created a design language that unifies our deep understanding of business user needs and the rigorous requirements of the modern enterprise with the principles of good iOS design. Through this partnership, we deliver beautiful, native mobile apps.



Mobile App Technology Stacks



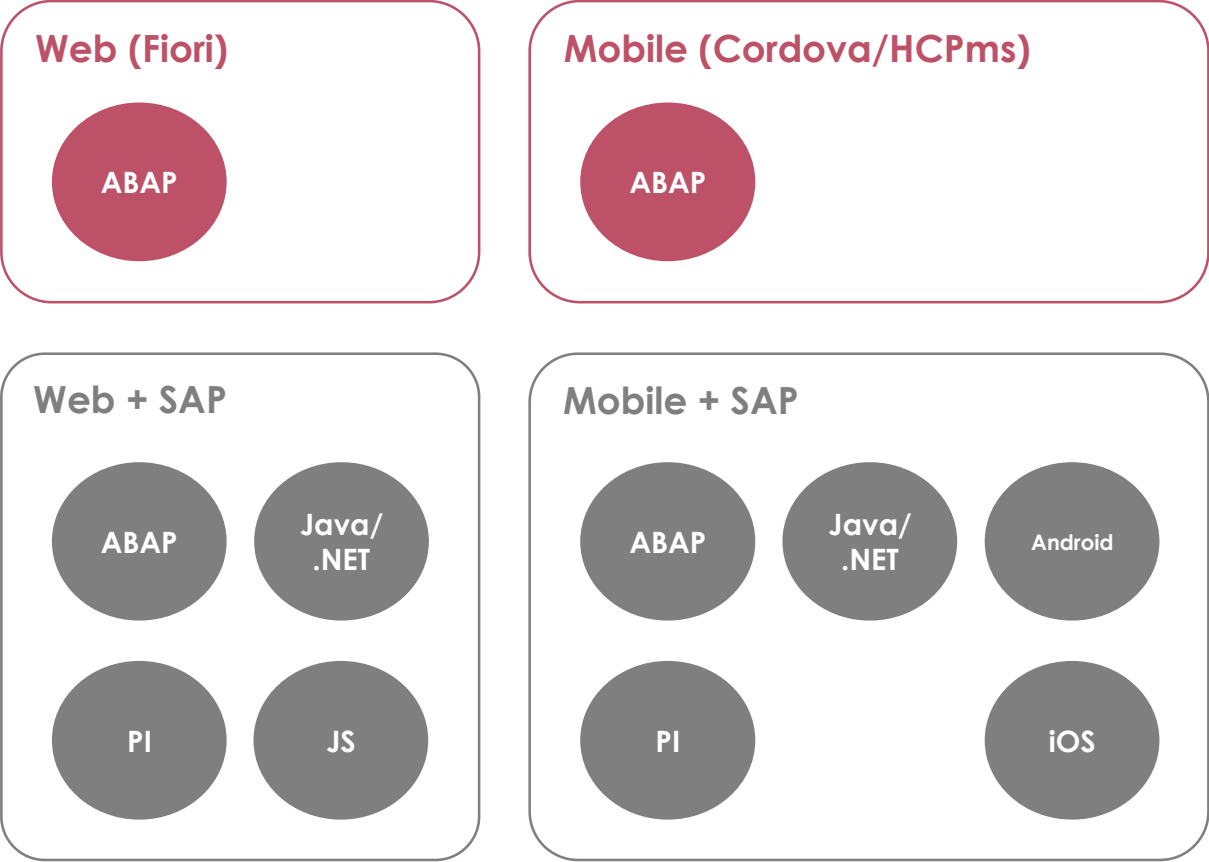


“ Any application that can be written in JavaScript, will eventually be written in JavaScript. ”
Atwood's Law, 2007

Front End	Segurança	Integração	Back End	Recursos	Total
ASP.NET / Java	IIS @ DMZ / Tomcat @ DMZ	SAP PI / .NET Connector / JCo	SAP Business Suite	JavaScript, C#, Infra, PI, ABAP, Basis	6 (3)
iOS & Android	Java/.NET/PHP REST @ DMZ	SAP PI / JCo	SAP Business Suite	iOS, Android, Java/.NET/PHP, Infra, PI, ABAP, Basis	7 (5)
SAPUI5		SAP Netweaver (Fiori) Gateway	SAP Business Suite	ABAP, PI, Basis	3 (2)
Cordova + OpenUI5 / SAP HAT	SAP Web Dispatcher @ DMZ	SAP Netweaver (Fiori) Gateway	SAP Business Suite	ABAP, Infra, PI, Basis	4 (2)



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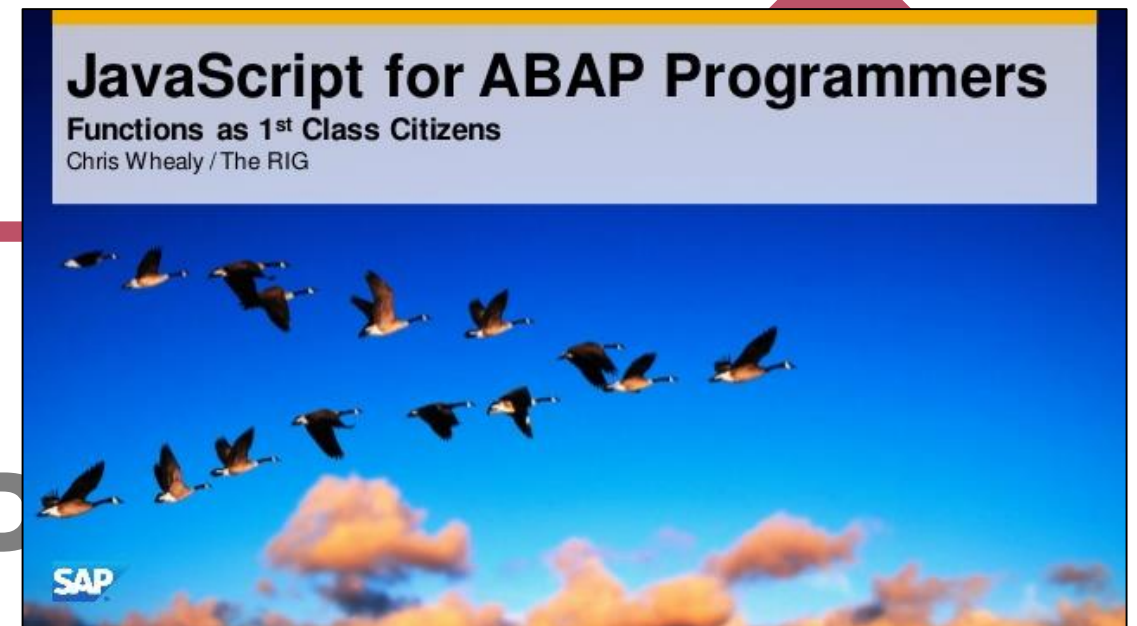


“

Any application that can be written in JavaScript, will eventually be written in JavaScript.

”

Atwood's Law, 2007



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Feb 6 · 6 min read

React Native at Instagram

React Native has come a long way since it was open-sourced in 2015. Fewer than two years later, it's being used not only in Facebook and Facebook Ads Manager, but also in many other companies, from Fortune 500 companies to hot new startups.

*Developer velocity is a defining value of Instagram's mobile engineering. In early 2016, we started exploring using React Native to allow product teams to **ship features faster** through *code sharing* and *higher iteration speeds*, using tools like Live Reload and Hot Reloading that eliminate compile-install cycles.*

Challenges



1.6K



26



Next story

10 React mini-patterns



APACHE

CORDOVA™

Mobile apps with **HTML, CSS & JS**

Target multiple platforms with **one code base**

Free and **open source**



GET STARTED

DOCUMENTATION



Reusable code
across
platforms



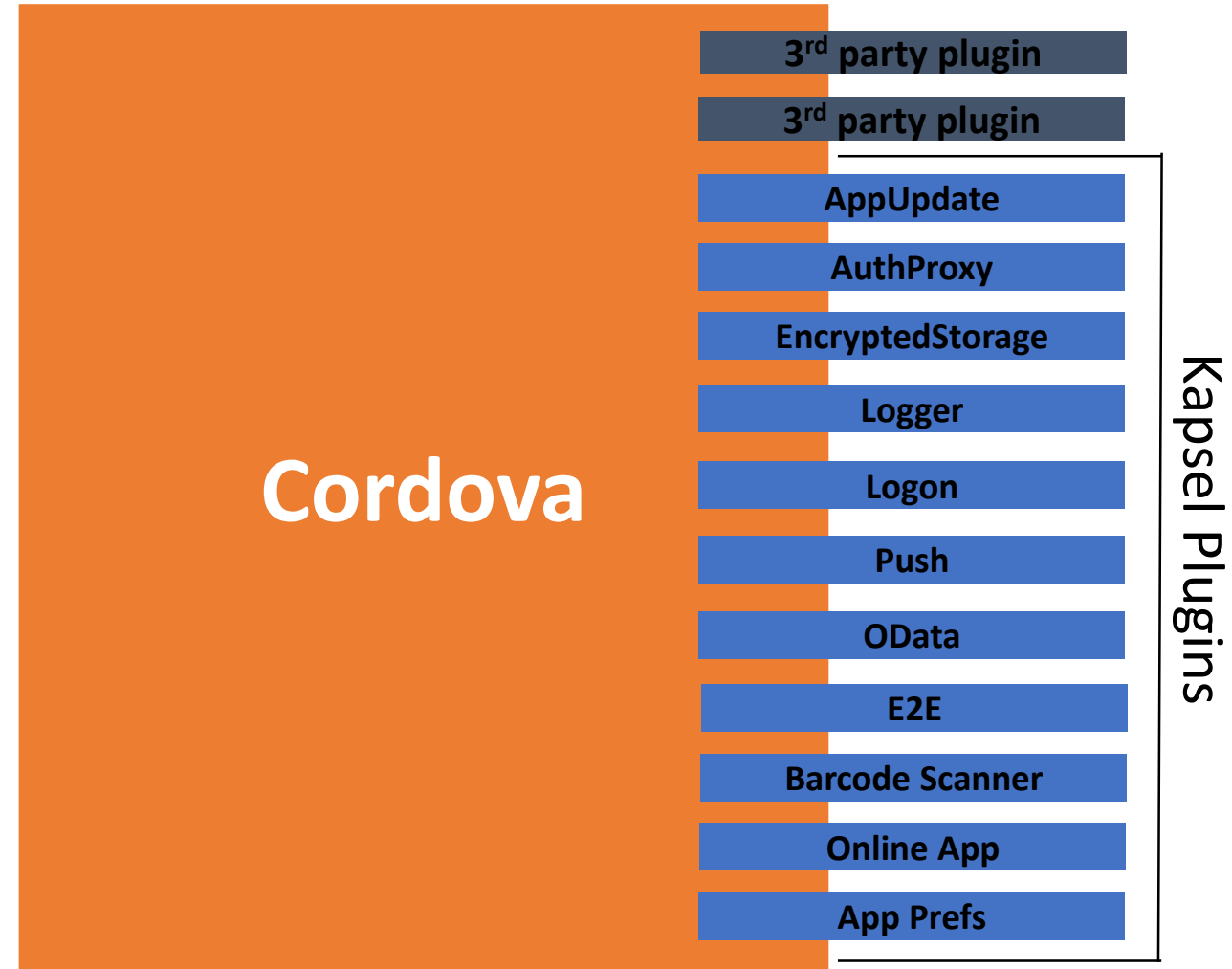
Support for
offline scenarios



Access native
device APIs

Kapsel

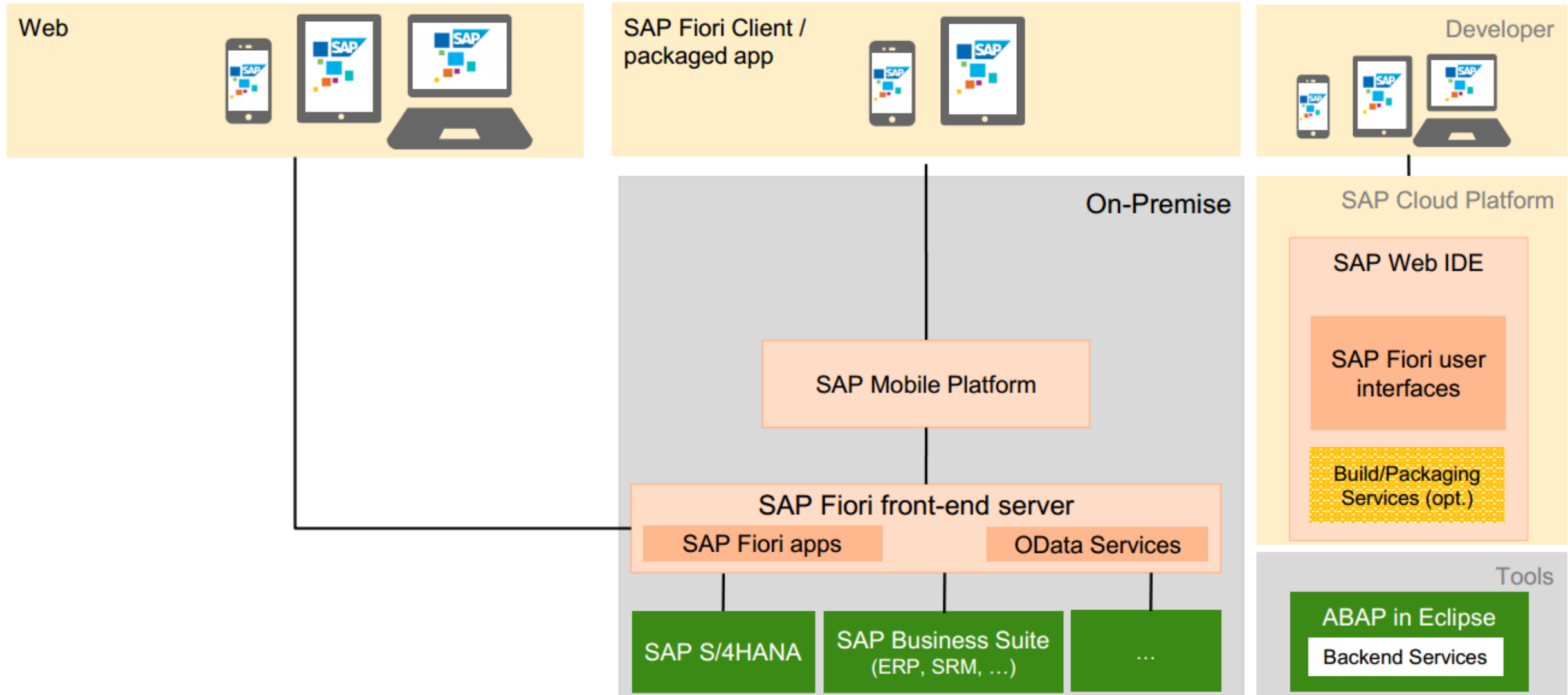
- Kapsel is a set of SAP specific plugins for Apache Cordova
- Provides enterprise capabilities to a Cordova application
- Fits cleanly within existing Cordova development environments and processes
- Supports Android (4.0+), iOS (6.0+) and Windows 8.1 / Windows Phone 8.1
- A single web application can be provisioned into the container



SAP Fiori Architecture

High-Level Overview – advanced mobilization on-premise with SAP Mobile Platform

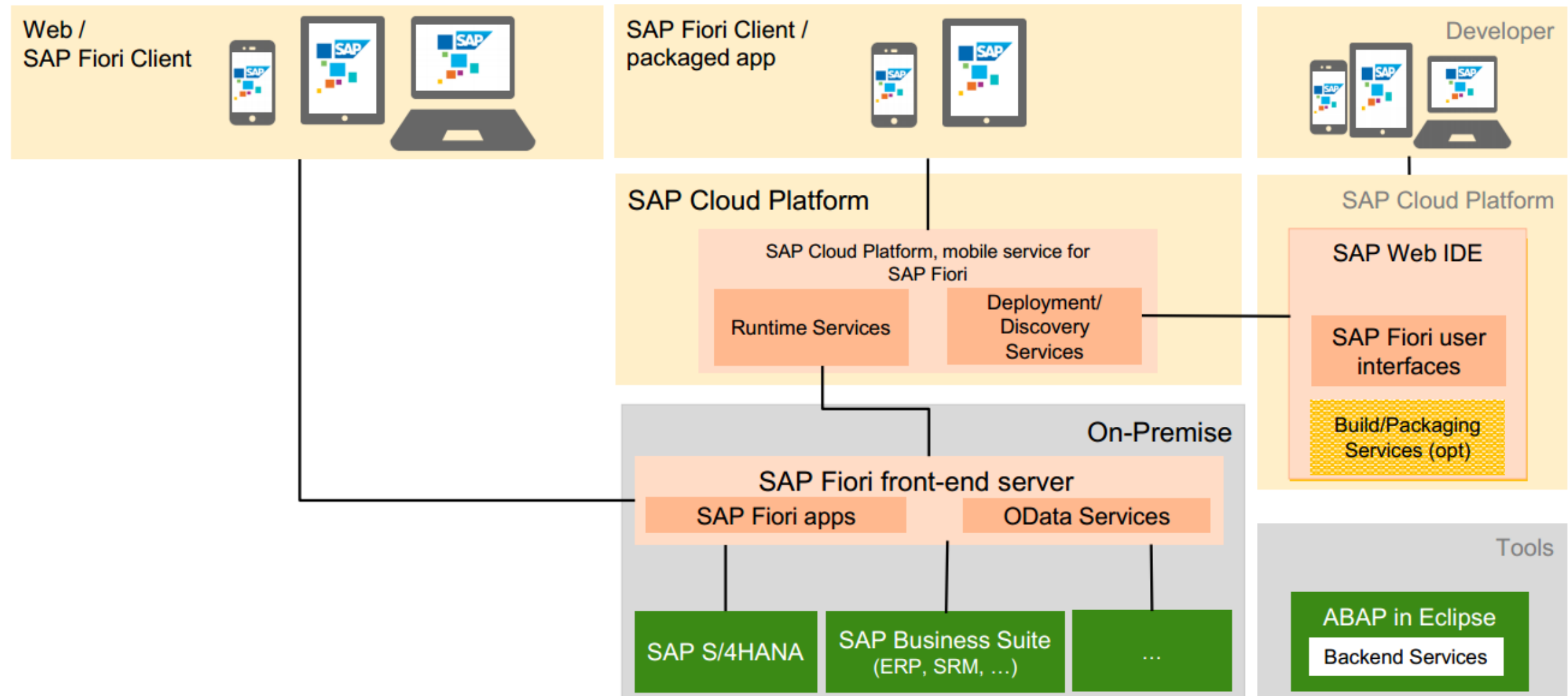
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SAP Fiori Architecture

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High-Level Overview – SAP Cloud Platform, mobile service for SAP Fiori – for on-premise



```
$ npm install -g cordova
```

```
$ cordova create app_name
```

```
$ cordova platform add android
```

```
$ cordova platform
```

```
$ cordova build android
```

```
$ cordova emulate android
```

```
$ cordova plugin add cordova-plugin-camera
```



```
<script type="text/javascript" charset="utf-8" src="cordova.js"></script>
```

```
<Button text="Camera" press="openCamera" />  
<Image src="{image}/src" densityAware="false" width="200px" >  
  <layoutData>  
    <FlexItemData growFactor="1" />  
  </layoutData>  
</Image>
```

```
openCamera: function () {  
    var view = this.getView();  
    navigator.camera.getPicture(function(imageData){  
        var imgJSONModel = new sap.ui.model.json.JSONModel();  
        var imgb64data = "data:image/jpeg;base64," + imageData;  
        imgJSONModel.setData({ src : imgb64data });  
        view.setModel(imgJSONModel, "image");  
    }, function(message){  
        alert('Failed because: ' + message);  
    }, {  
        quality: 50,  
        destinationType: Camera.DestinationType.DATA_URL  
    });  
}
```