

What is Hybrid Apps

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Native Apps

Native UX

High Performance

Full Device Resource

App Store

Gaming Machine

Native Apps

High Cost

Too Difficult

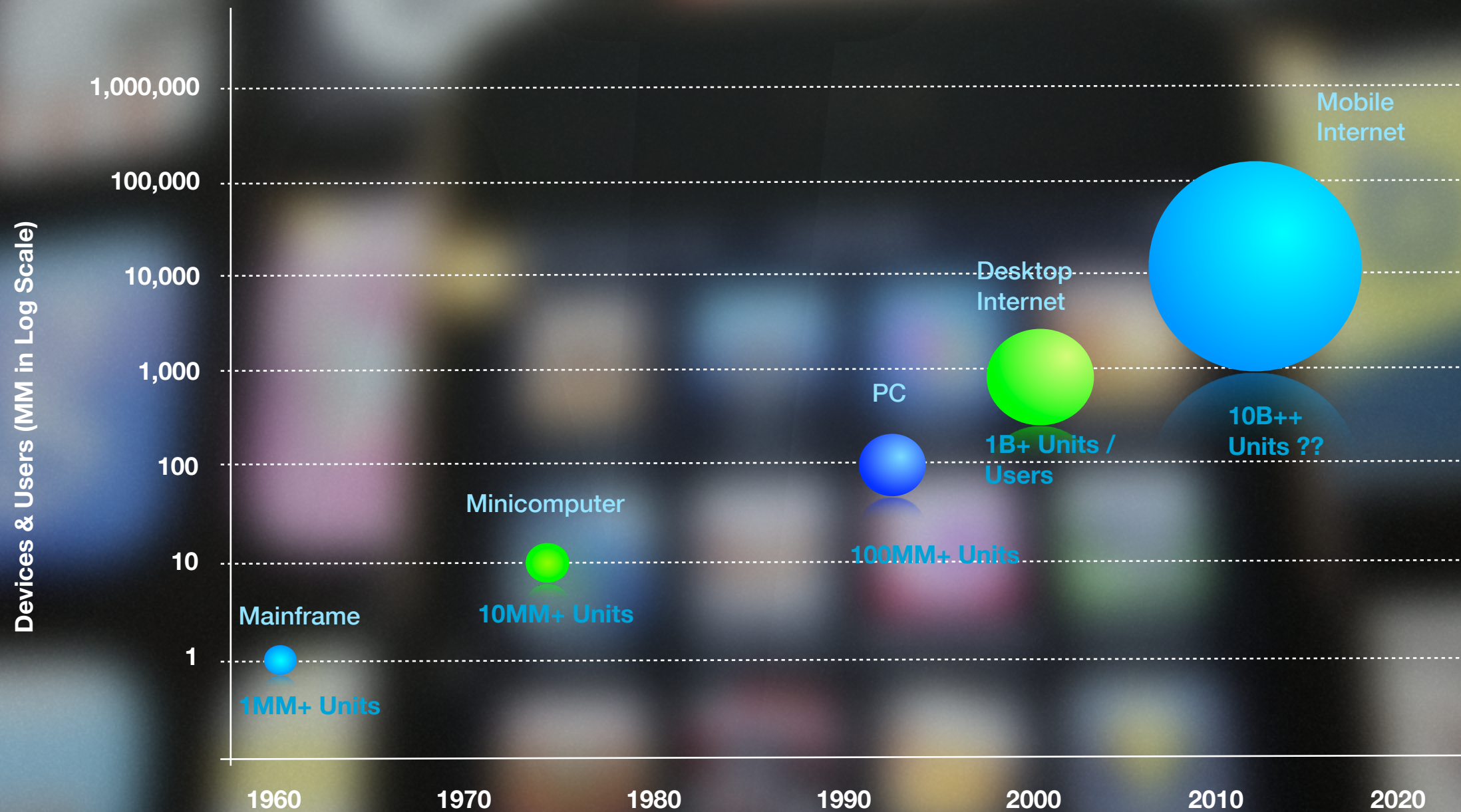
Long Store Process

Too Many Device

Too Many Platform

Version Management

Native Apps



Native Apps



WebApps



Open Web Standard

HTML, CSS, JS

Multi Device

Multi Platform

Realtime Update

WebApps



Device Resource

Accessibility

Confidence

Cross-domain

Performance

WebApps



The Solution







Awesome!!

Hybrid Apps

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Hybrid Apps

①

Convert
WebApps to
Native Apps



Hybrid Apps

①

PhoneGap



Hybrid Apps

①

PhoneGap



Open Source and Free

Wrap it with PhoneGap

Deploy to Multi Platform

Access Native Features

Supported Plugins

Hybrid Apps

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PhoneGap

						
GEO LOCATION	✓	✓	✓	✓	✓	✓
NOTIFICATION VIBRATION	✓	✓	✓	✓		✓
NOTIFICATION SOUND	✓	✓	✓		✓	✓
ACCELEROMETER	✓	✓	✓	✓	✓	✓
CAMERA	✓	✓	✓	✓		
COMPASS	✓	✓				
CONTACTS	✓	✓	✓	✓		✓
FILE		✓	✓			
MEDIA (AUDIO RECORDING)	✓	✓				✓
STORAGE	✓	✓	✓		✓	

Hybrid Apps

PhoneGap



①

Apppresso



Hybrid Apps

①

Apppresso



Eclipse IDE

WAC Waikiki 2.0 API

Enhanced Native API

Plug-in Development Kit

Include JS Framework

On the fly development

Hybrid Apps

1

Appspresso

WAC



iPhone OS

4

Hybrid Apps

1

Appspresso

The image shows the Eclipse IDE interface with the Appspresso project open. The Project Explorer on the left shows the project structure: HelloWorld, JavaScript Resources, PluginLibraries, src, js, splash, splash_android.png, splash_ios.png, icon_ios.png, icon.png, index.html, project.xml, and Kitchensink. The main editor displays the index.html file with the following code:

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4   <script type="text/javascript" src="/appspresso/appspresso.js"></script>
5   <meta http-equiv="pragma" content="no-cache"/>
6   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
7   <script>
8     //activate ax.log(), remove when you release app
9     ax.runMode = Ax.MODE_DEBUG;
10  </script>
11 </head>
12 <body>
13   <h1>Hello World...</h1>
14 </body>
15 </html>
```

Two dialog boxes are open. The 'New Appspresso Project' dialog shows the 'Choose a Template' section with options: BLANK, Sencha Touch 1.0, and JQuery Mobile. The 'Run As' dialog shows the 'Select a way to run 'index.html':' section with options: Android Application, Appspresso(Android), and Appspresso(iOS). The 'Run As' dialog also has a 'Description' field and 'Cancel' and 'OK' buttons.

Hybrid Apps



CS53 Animation

카메라 효과

Build Native Apps
with Web
Technology



Hybrid Apps

Titanium

2



Hybrid Apps

Titanium

2

Open Source and Free

Full Featured API

Cross-platform Publishing

Use Web Technology

Titanium is Native



Hybrid Apps

Titanium



Native User Experience

Native Performance + Native UX
(tables, view, tabs, alert, button or more)

Location-based Service

GeoLocation, Compass, Native maps

Social Networking

Facebook, Twiter, Yahoo YQL, and more

Rich Multimedia

Camera, Video Camera, Streaming

Analytics

User, Session and Event Analytics

Unlimited Extensibility

Hybrid Apps

Titanium

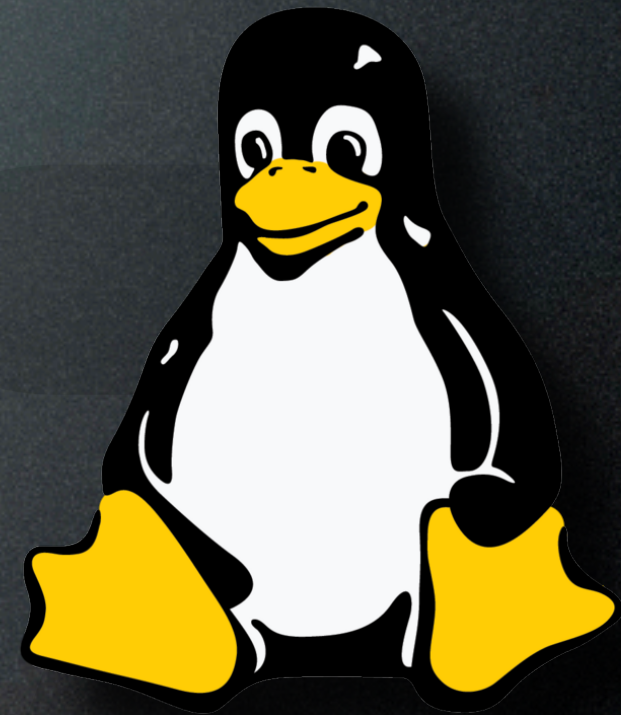
2



Hybrid Apps

Titanium

2



Hybrid Apps

Titanium



```
var t = Titanium.UI.create2DMatrix().scale(0);

var w = Titanium.UI.createWindow({
  backgroundColor: '#336699',
  height: 400,
  width: 300,
  borderRadius: 10,
  transform: t
});

var t1 = Titanium.UI.create2DMatrix().scale(1.1);
var a = Titanium.UI.createAnimation();
a.transform = t1;
a.duration = 200;

a.addEventListener('complete', function()
{
  .....
});
```

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Thank you!

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