### Eclipse vs. The Mobile World

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# Cross Platform App Development can be a problem!

## "for the Developer"

Languages

Tools

Target Platforms + Versions

OS Concepts

### "for the Team"

Hardware (PC, Mac)

No Experience

### "for the End-User"

Look&Feel Tradeoffs

Poor Performance

Feature Limitations

# Cross Platform App Development should be...

## "for the Developer"

One Language

One IDE

One API

One Ul Concept

### "for the Team"

Your Hardware

Your precious Experience

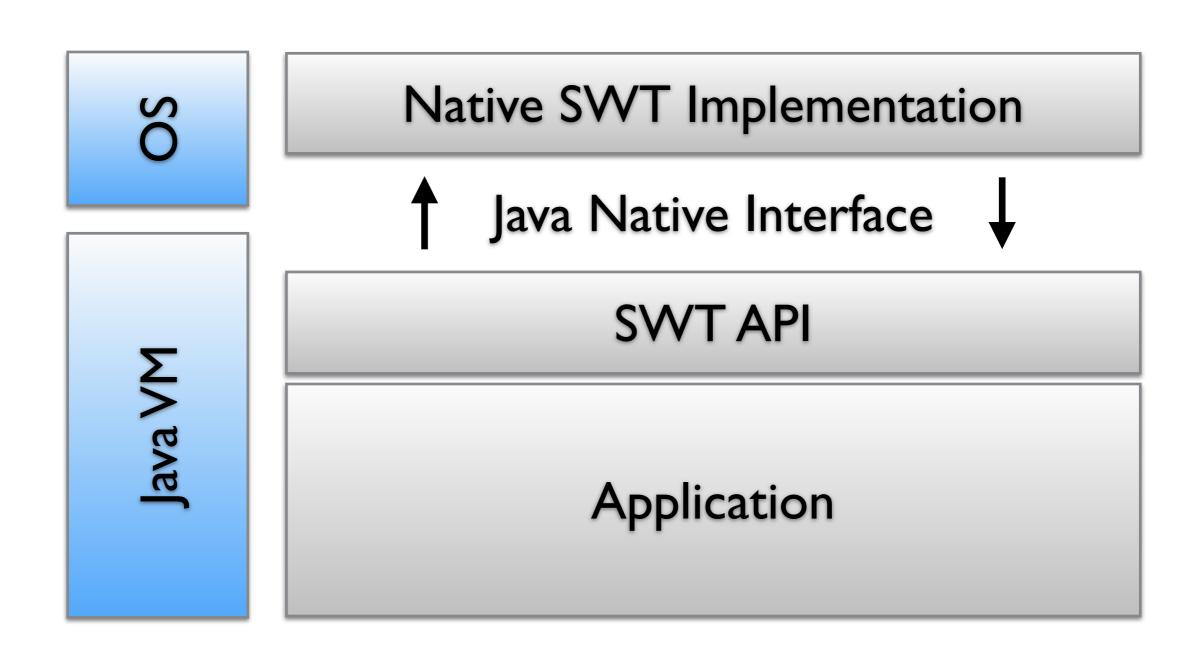
### "for the End-User"

Native Look&Feel

Native Performance

State-of-the-Art Features

## Standard Widget Toolkit



### SVVT is so 2001

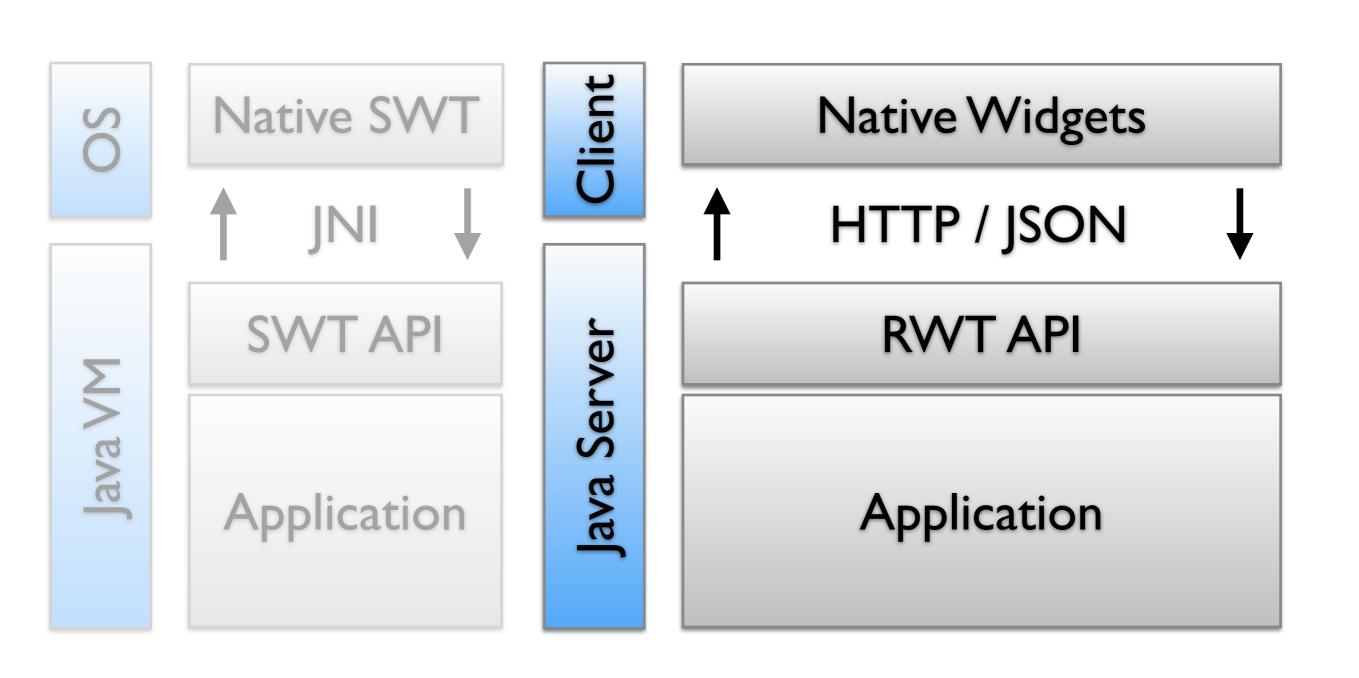




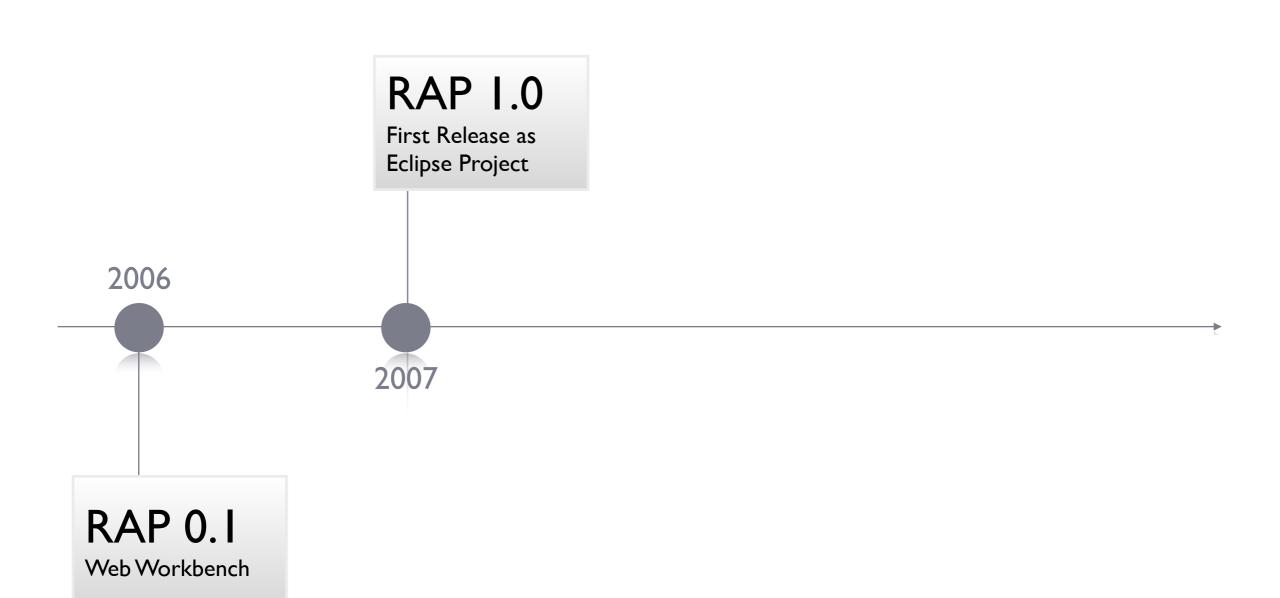


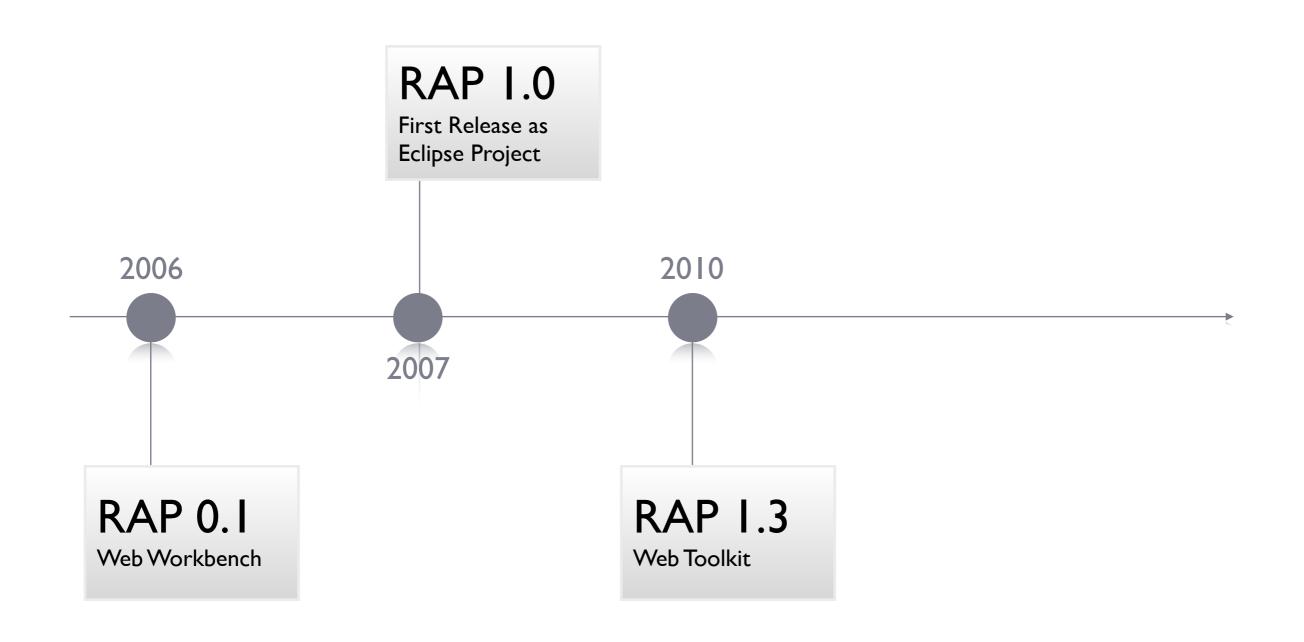


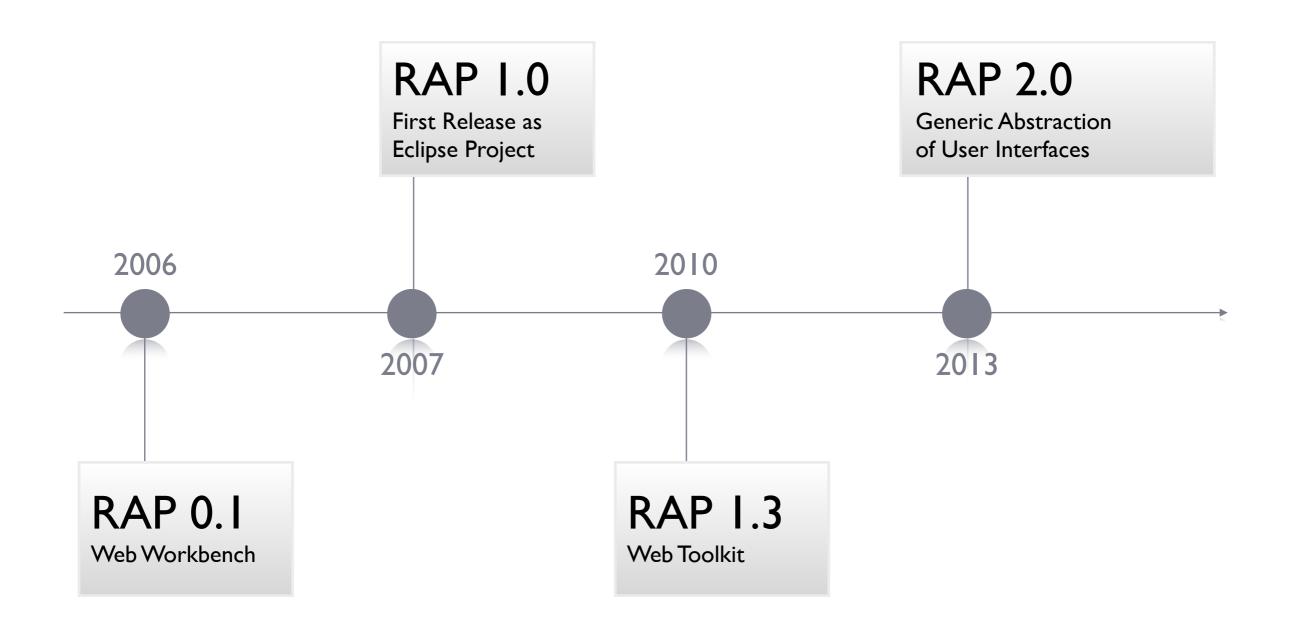


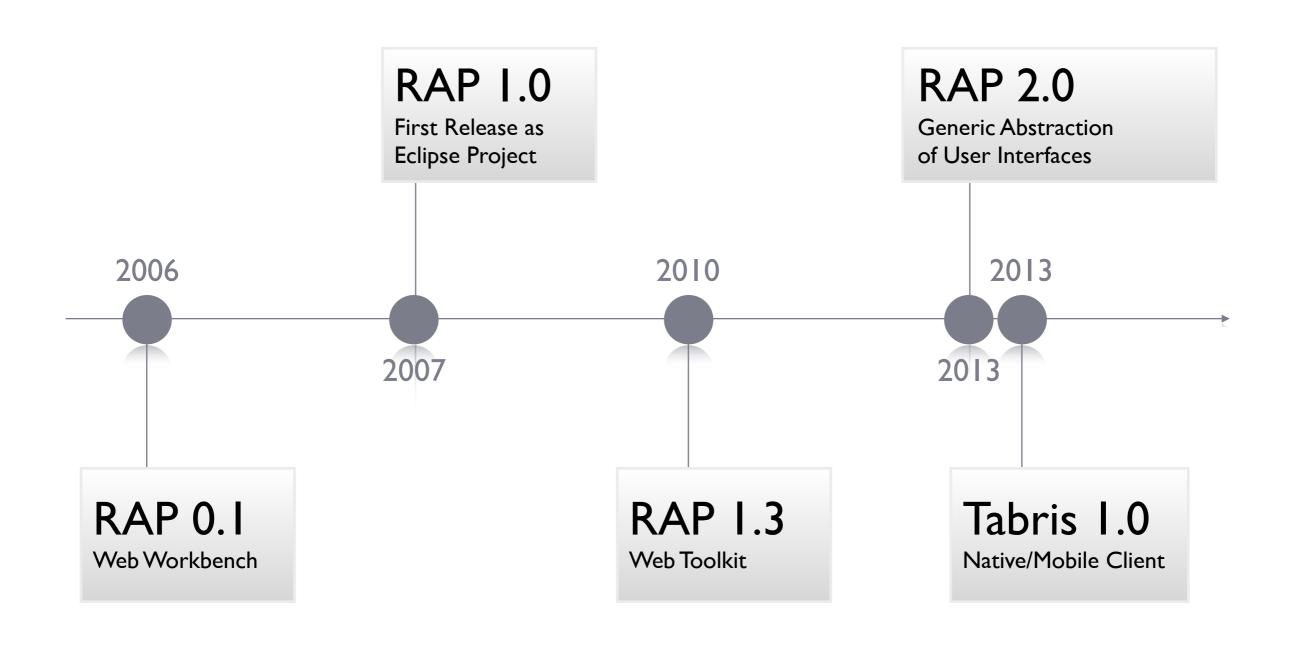




















### RAP + Native Mobile = Tabris



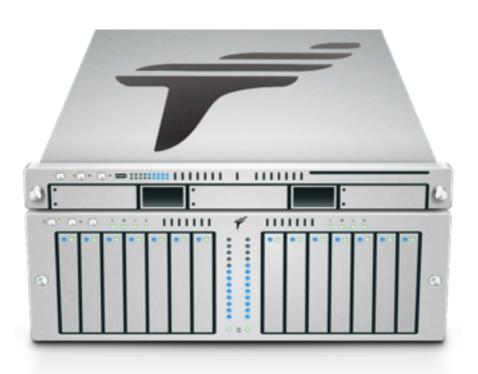
Tabris is the first mobile framework that allows you to develop apps completely in Java while still leveraging the power of native Uls.

#### Server

Java

Business-Logic

**UI-State** 



#### Client

**Native** 

Native Widgets

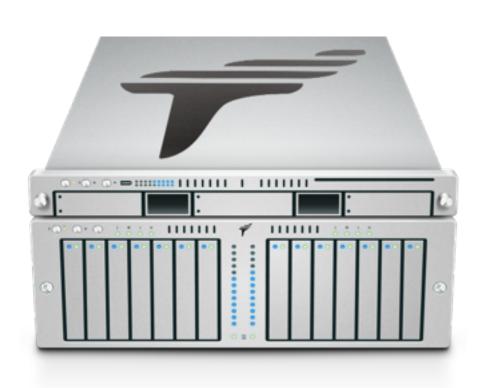


#### Server

Java

Business-Logic

**UI-State** 

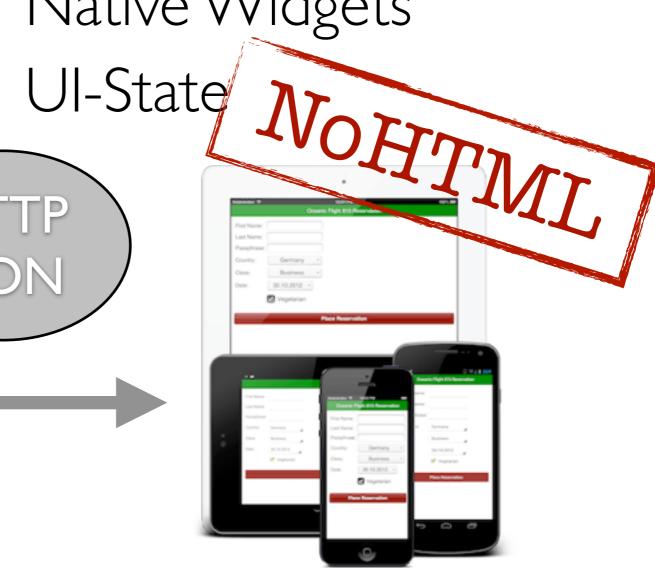


#### Client

**Native** 

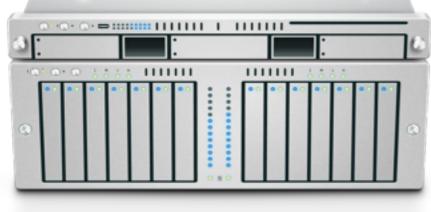
Native Widgets





## Server-Side Apps

RAP Server (Java+SWT API)









## Server-Side Apps



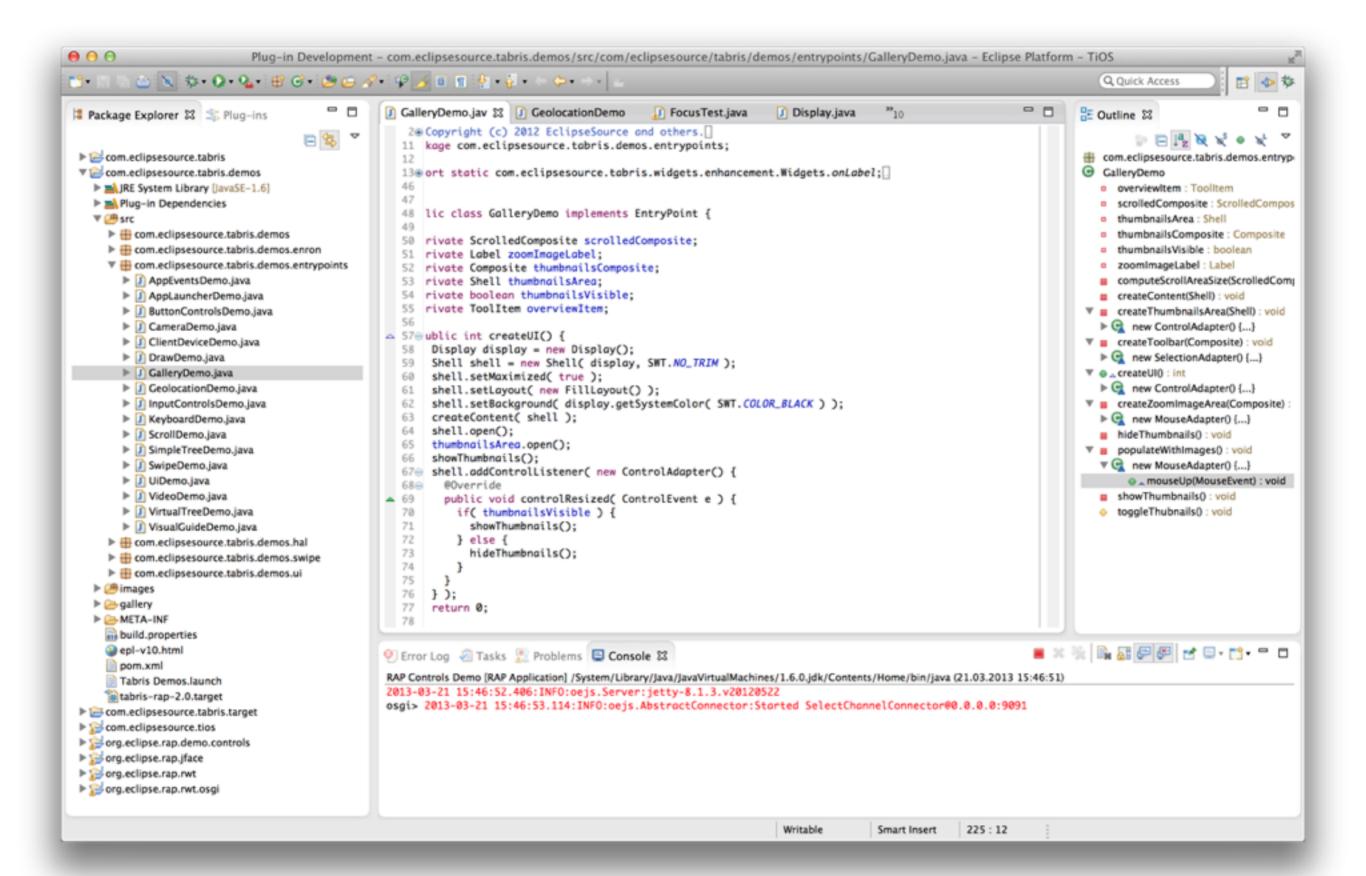


	REMOTE APPLICATION PLATFORM	
Button		
Canvas		<b>✓</b>
Combo		<b>✓</b>
Composite		<b>✓</b>
TabFolder		<b>✓</b>
DateTime		<b>✓</b>
Group		<b>✓</b>
Label		<b>✓</b>
List		<b>✓</b>
Menu		<b>✓</b>
ProgressBar		<b>✓</b>
Shell		<b>✓</b>
Scale		<b>✓</b>
TabFolder		<b>✓</b>
Text		<b>✓</b>
ToolBar		<b>✓</b>



Tree		
<b>Browser Client</b>		<b>✓</b>
TabrisUI		
Native Clients	X	<b>✓</b>
Client Services	X	<b>✓</b>
Widget Enhancements	X	<b>✓</b>
<b>Grouped Events</b>		<b>✓</b>
Scrolling		<b>✓</b>
Responsive Design		<b>✓</b>
List Styling	X	<b>✓</b>
XCallbackUrl	X	<b>✓</b>
ClientCanvas	X	<b>✓</b>
Video	X	<b>✓</b>
Swipe	X	<b>✓</b>
<b>PagingIndicator</b>	<b>✓</b>	<b>✓</b>

## Widgets are not enough!





## Lightweight Abstraction

## Lightweight Abstraction





## Live Coding





```
**** COMMODORE 64 BASIC V2 ****
 64K RAM SYSTEM 38911 BASIC BYTES FREE
READY.
LOAD "TABRIS",8,1■
```



## One more thing...

a 11101 a ci 11112...



## Tabris. is

### Questions & Feedback

developer.eclipsesource.com/tabris

github.com/eclipsesource/tabris

eclipse.org/rap

@hstaudacher, @jordibohmelopez



Platform	Named Developer License	Enterprise License
iOS	\$500 / 400€	\$15,000 / 12.000€
Android	\$500 / 400€	\$15,000 / 12.000€
Combi- Package	\$980 / 780€	\$29,000 / 23.200€