

palm

Engaging Developer Communities: Lessons and Opportunities from webOS

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Director, Kernel Management

Transparency + Accessibility

Getting Started

Download and Install

<http://developer.palm.com/>



Developer Mode



upupdowndownleftrightleftrightbstart

(webos20090606)

Developer Mode Demo

Project Ares Online Development



Whoops!

webOS Doctor



Developer APIs

SDK

SDK

Linux Kernel

ARM CPU

Hardware Graphics

SDK

App Process

HTML/Javascript Based App

Framework

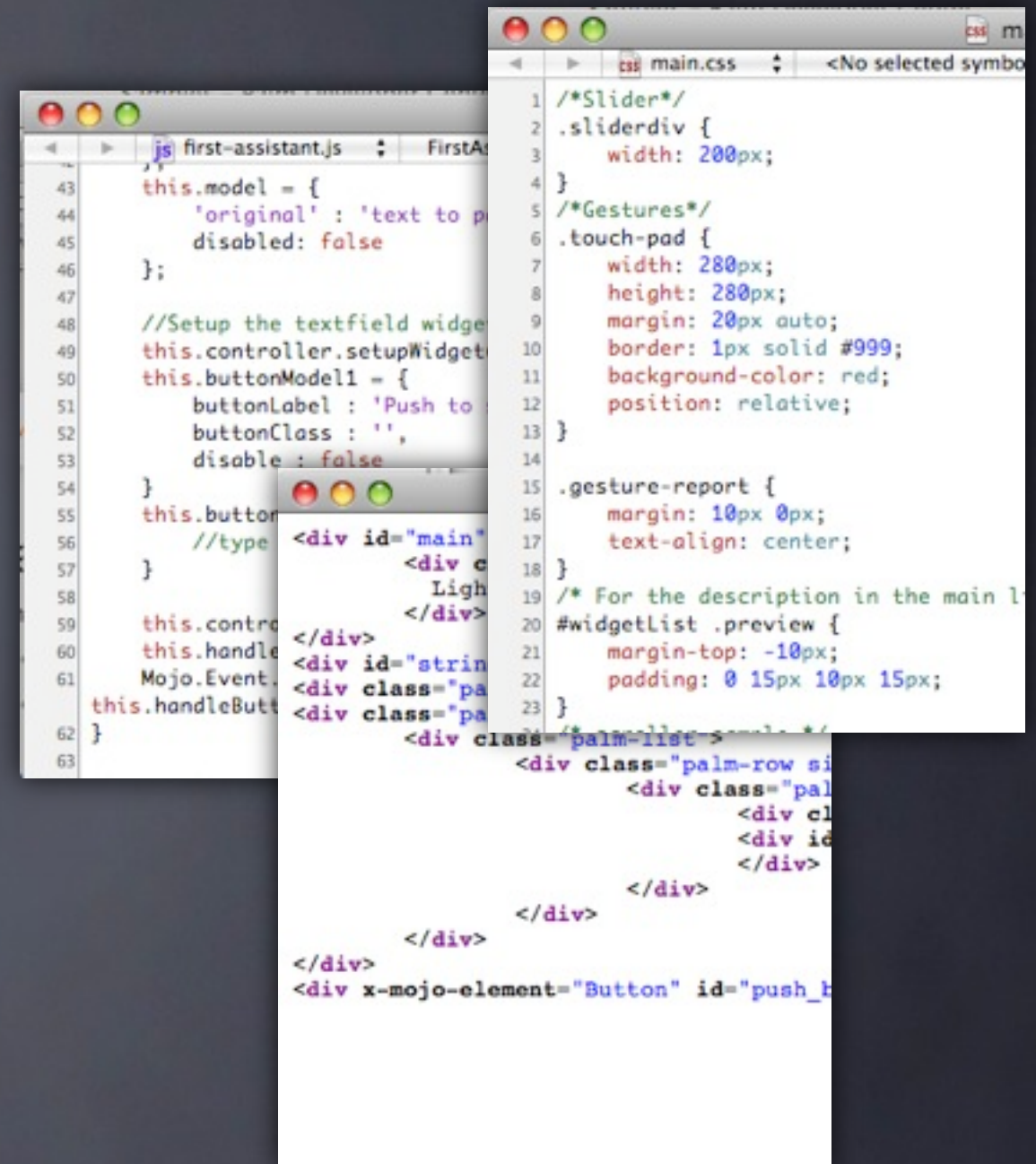
Webkit

Linux Kernel

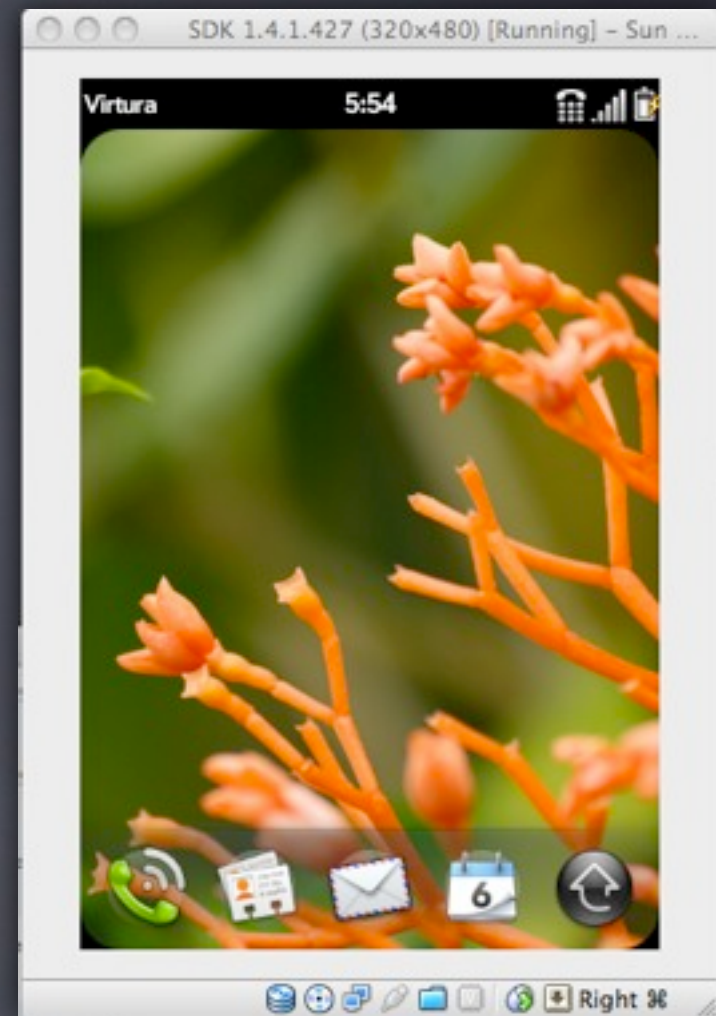
ARM CPU

Hardware Graphics

Accessible and Standards Compliant HTML5 Javascript & CSS



Fully Functional Cross Platform SDK Emulator



PDK

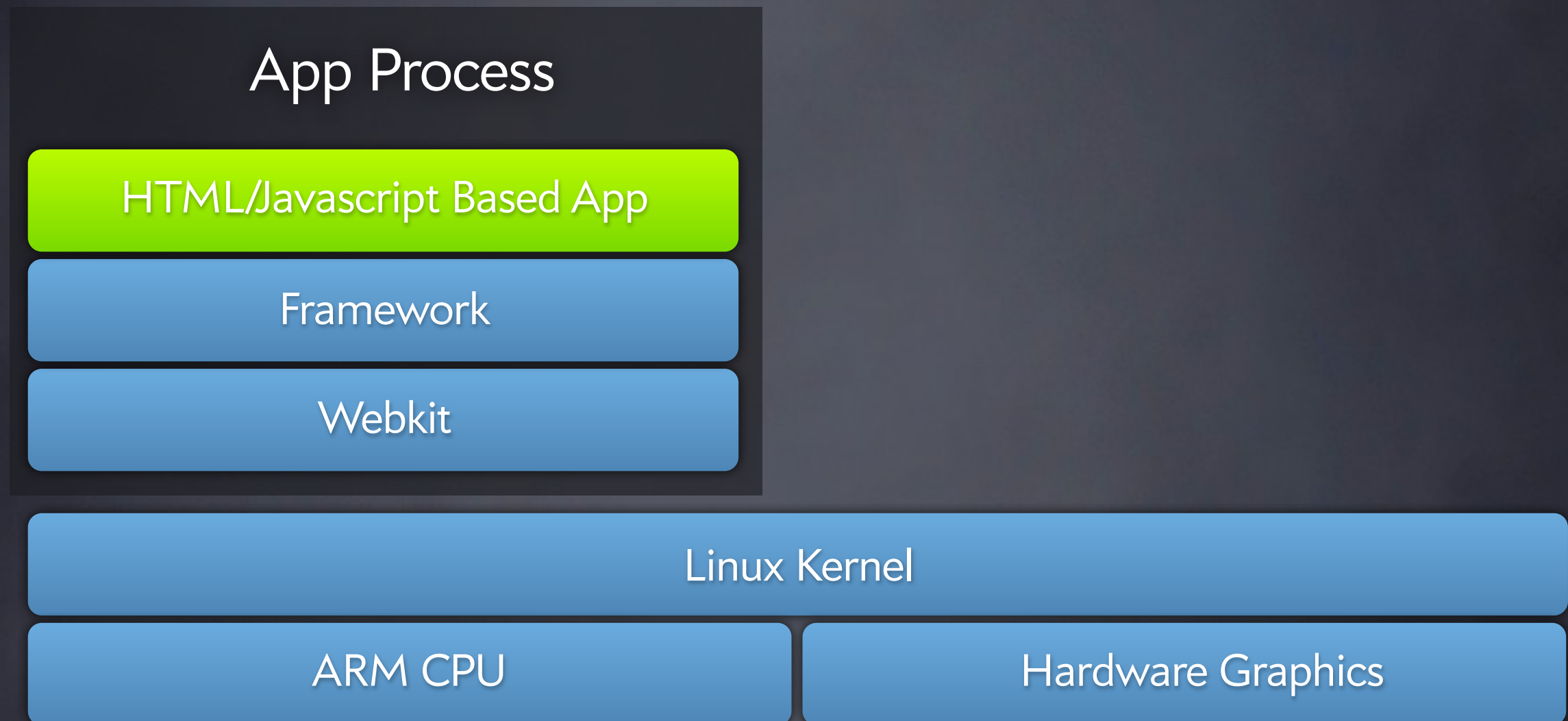
PDK

Linux Kernel

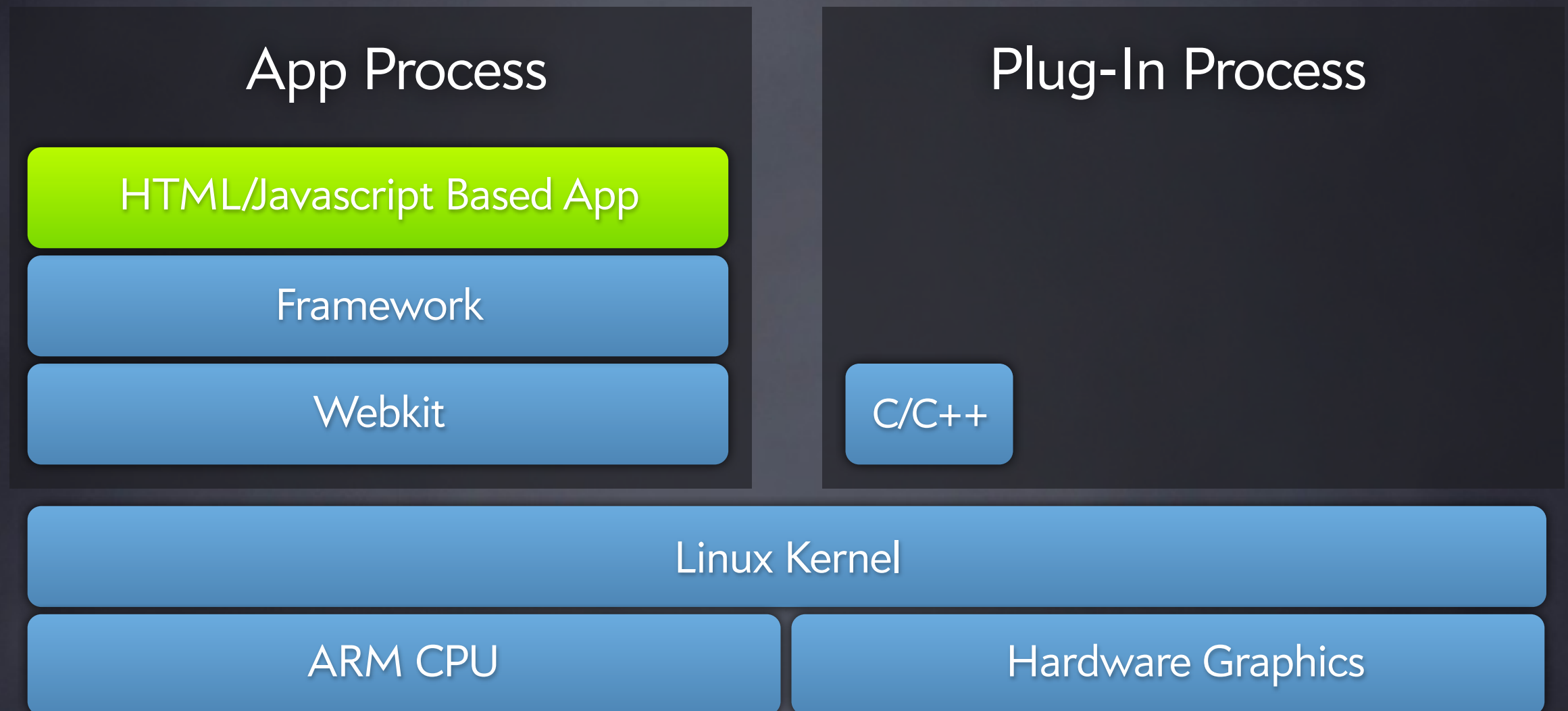
ARM CPU

Hardware Graphics

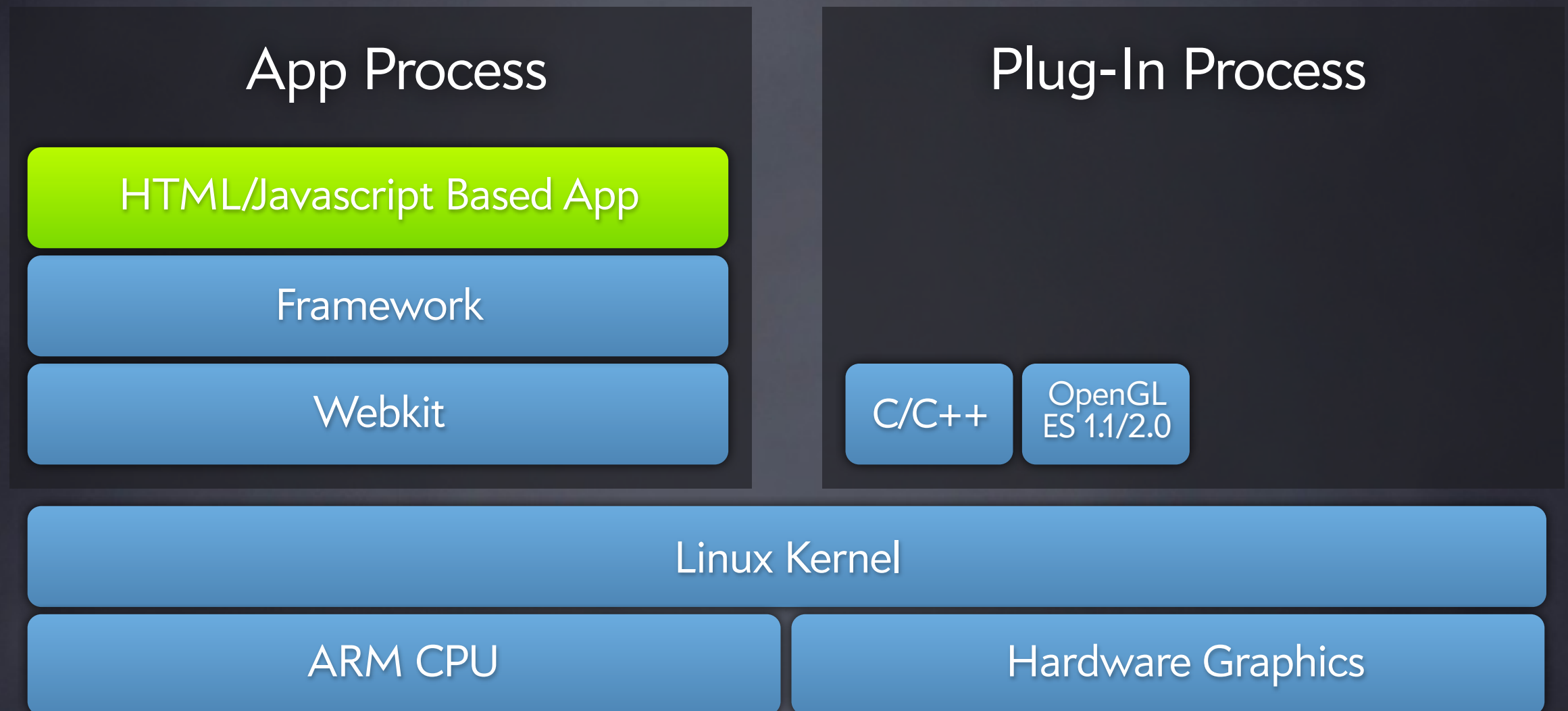
PDK



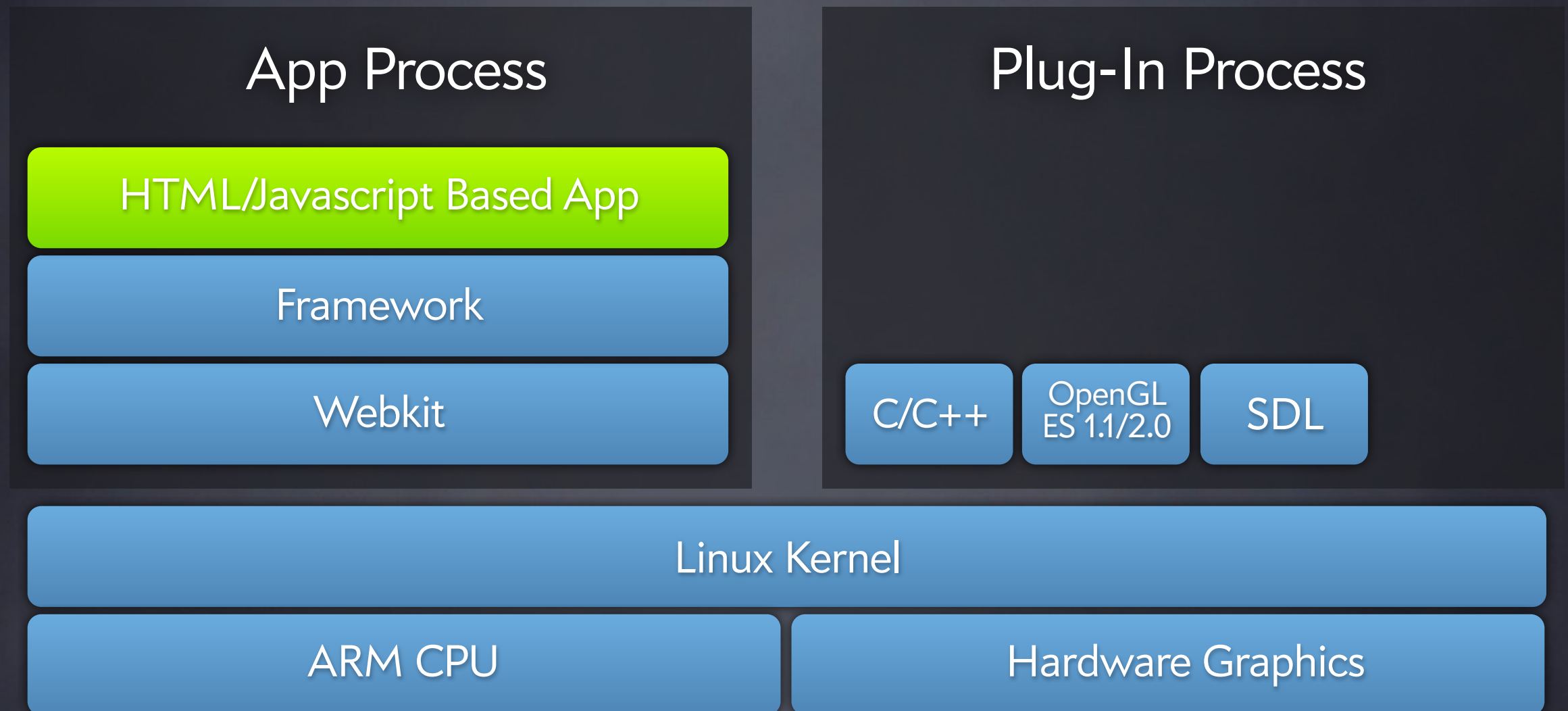
PDK



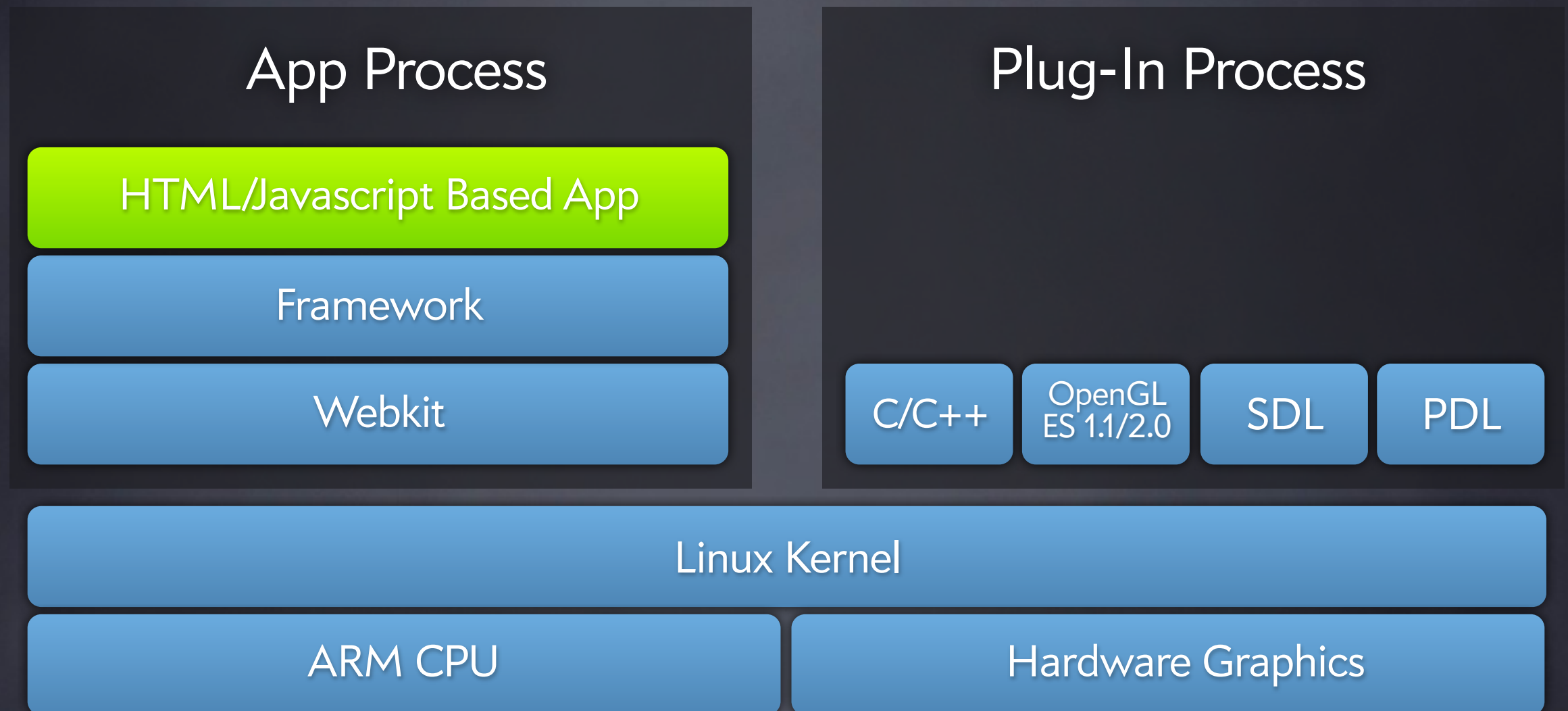
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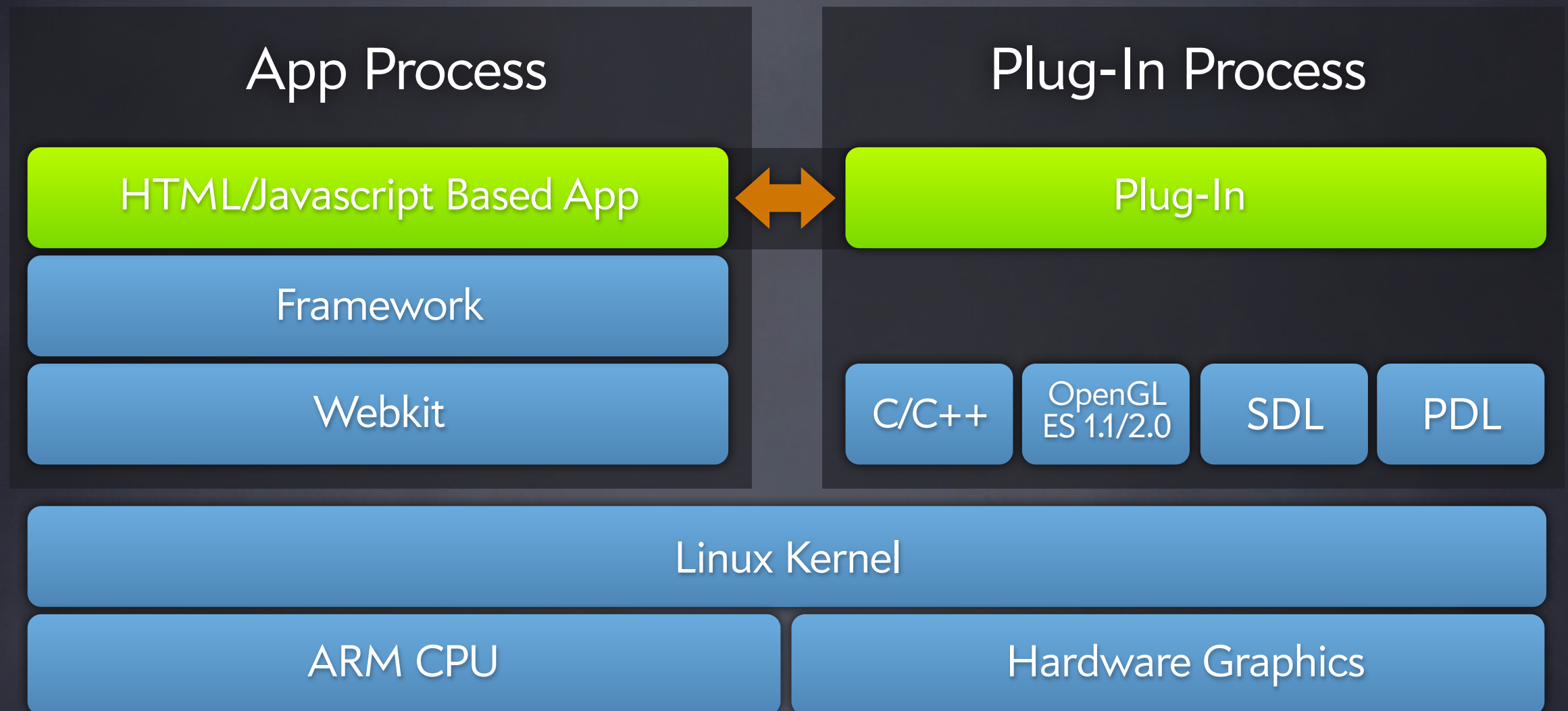
PDK



PDK



PDK



Stock SDL
OpenGL ES
C/C++ via gcc

ports in 7 days



Linux

Linux

Native ARM Applications

Linux Kernel

ARM CPU

Hardware Graphics

```
$ novaterm  
root@webos-device: /#
```


Native Tools

ipkg
gzip
awk
grep

strace
gdb
oprofile

vmstat
iostat
top

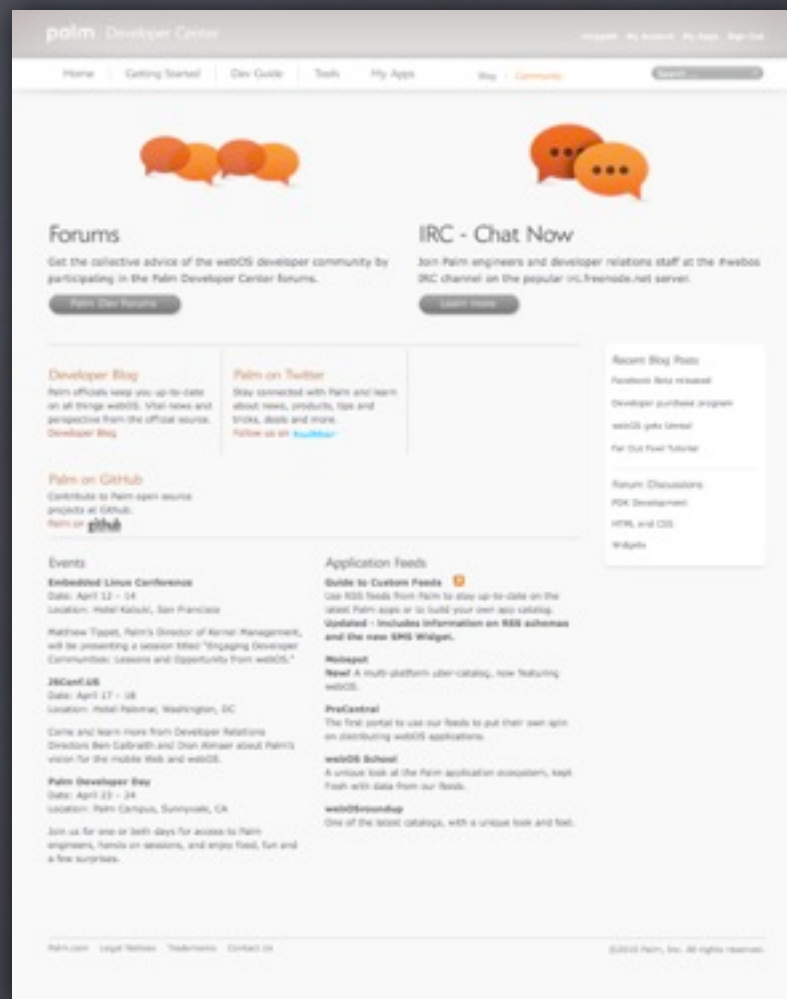
3rd Party Binaries

optware = apache
php
gcc
ctorrent
& 1319 more

Communities

(The one we created)

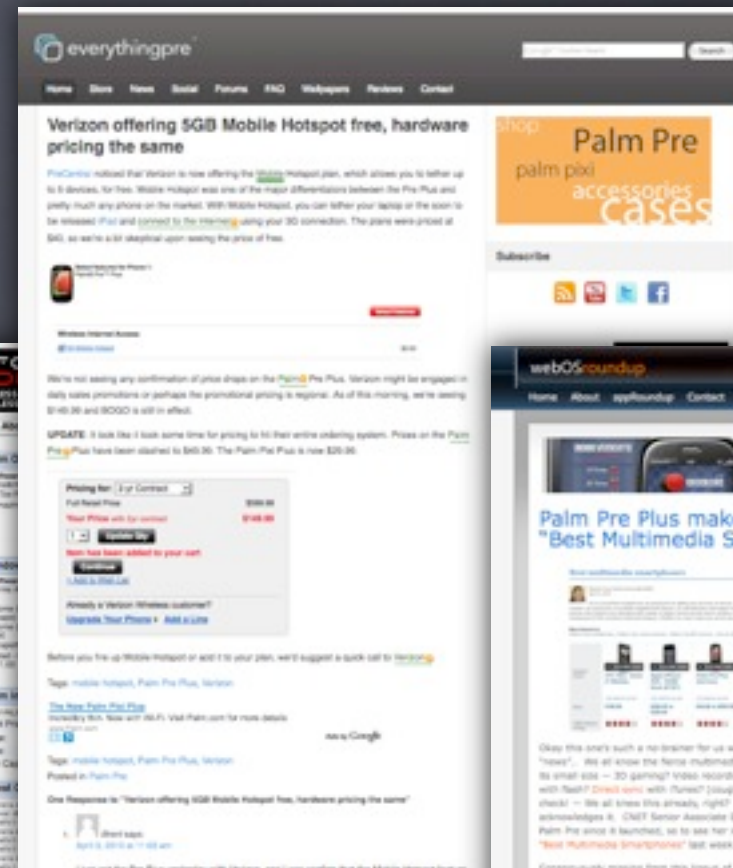
<http://developer.palm.com/>



Communities

(The ones we didn't create)

News and Community Sites



Homebrew Developers



<http://webos-internals.org/>

Deep Dive: webos-internals

Rooting the Pre

~~Hacking~~
~~Jailbreaking~~
~~Rooting~~

novaterm for a shell

Hardware

Accelerometer

Ambient Light Sensor

LEDs (all of them)

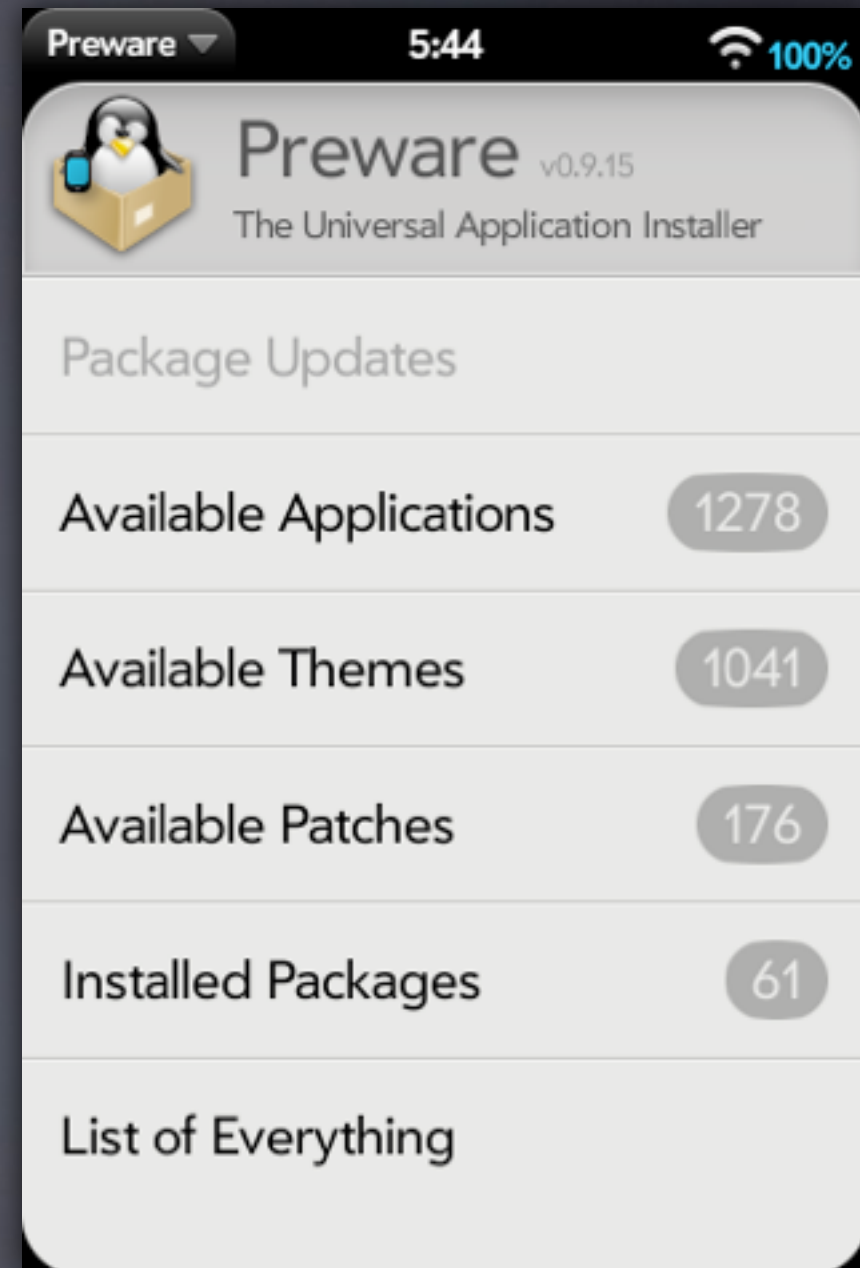
Vibrator

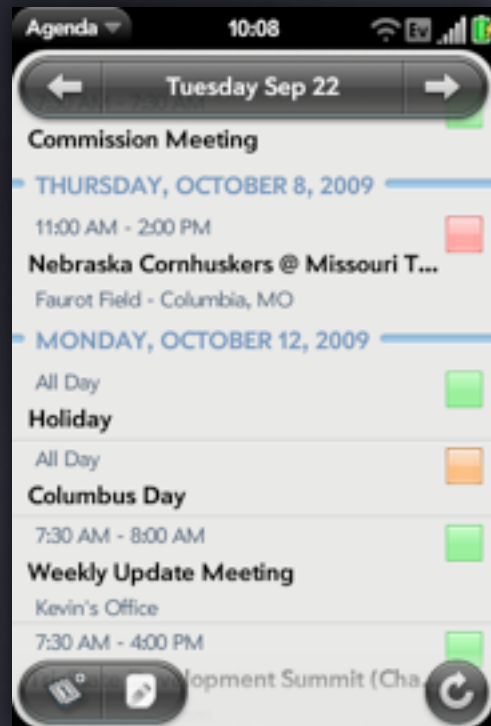
LED/flashlight

ARM

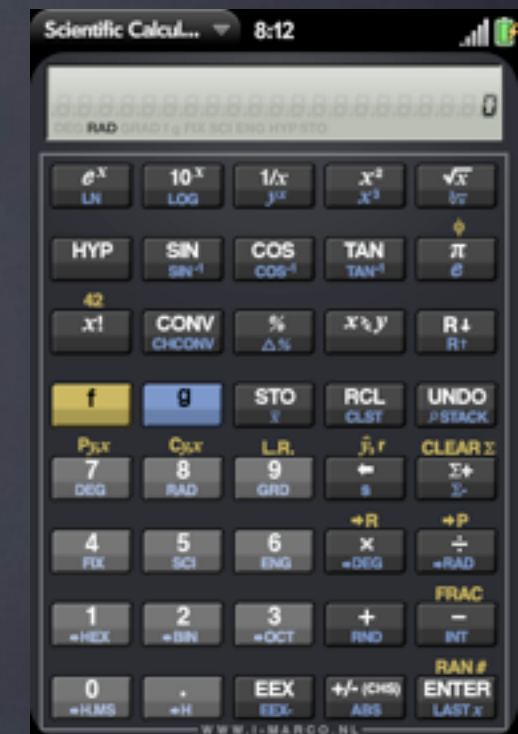
<http://opensource.palm.com/>

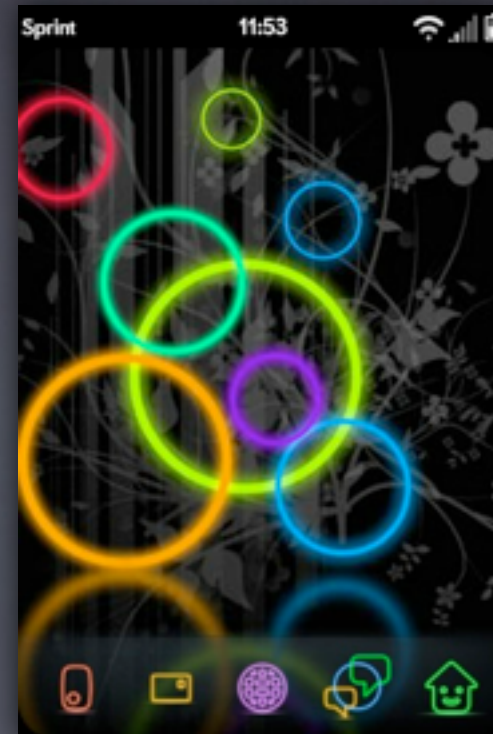
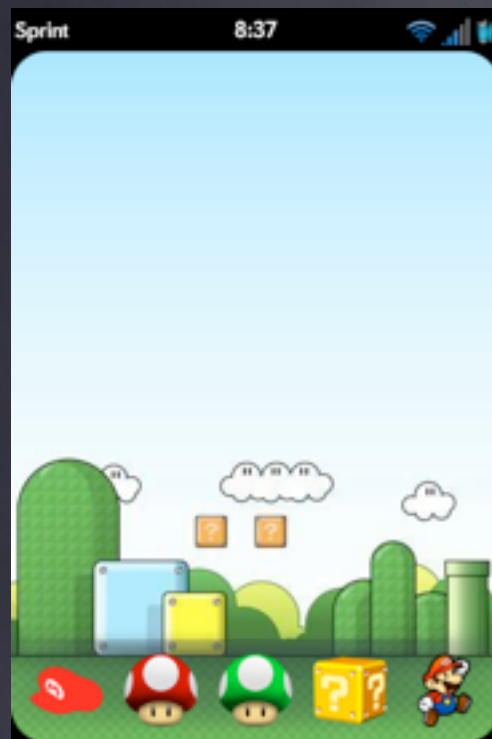
Preware





Applications





Themes



Patches





Alternate Universes



debian

Community Discussions



IRC

Join us in [#webos-internals](#) 

The same rules apply as those on the wiki for discussion.



webOS Patches

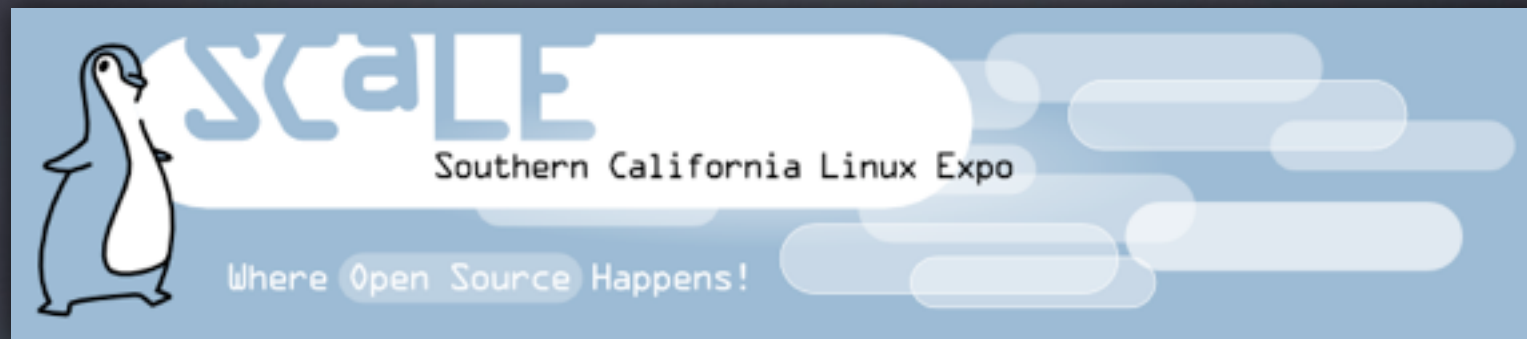
Discuss about webOS Patches and its future.



Homebrew Apps

Download and discuss beta test webOS apps. These apps are under development and may not be ready for production.

Developer Ambassadors



DEMO

Transparency + Accessibility

Q&A

palm