Engaging Developer Communities: Lessons and Opportunities from webOS

Monday, April 19, 2010
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Transparency + Accessibility
Getting Started
Download and Install

http://developer.palm.com/
Developer Mode

upupdowndownleftrightleftrightbastart

(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
Fully Functional
Cross Platform
SDK Emulator
PDK
PDK

App Process

- HTML/Javascript Based App
- Framework
- Webkit

Linux Kernel

ARM CPU

Hardware Graphics
PDK

App Process

HTML/Javascript Based App
Framework
Webkit

Plug-In Process

C/C++
OpenGL ES 1.1/2.0

Linux Kernel

ARM CPU
Hardware Graphics
**PDK**

**App Process**
- HTML/Javascript Based App
- Framework
- Webkit

**Plug-In Process**
- C/C++
- OpenGL ES 1.1/2.0
- SDL

**Linux Kernel**

**ARM CPU**

**Hardware Graphics**
PDK

App Process
- HTML/JavaScript Based App
- Framework
- Webkit

Plug-In Process
- C/C++
- OpenGL ES 1.1/2.0
- SDL
- PDL

Linux Kernel

ARM CPU

Hardware Graphics
Stock SDL
OpenGL ES
C/C++ via gcc
ports in 7 days
$ 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)
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

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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 that are under development and may not be fully functional.
Developer Ambassadors

 SCALE
 Southern California Linux Expo
 Where Open Source Happens!

 OpenExpo
DEMO