
Web Based Mobile Linux World

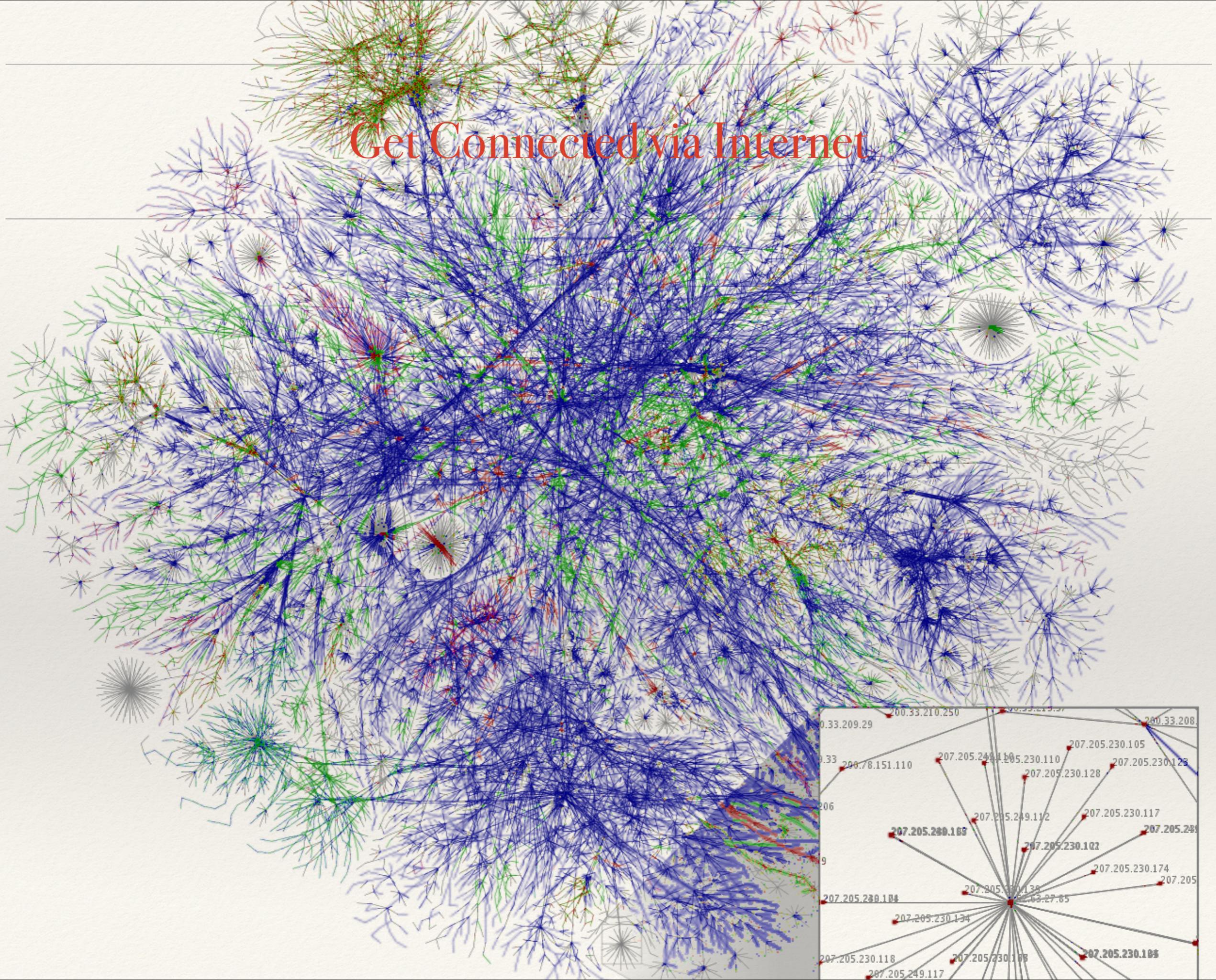
Oytun Eren Şengül

Me



- ❖ In day light; working for
“Smartface: Cross-Platform Native App Development Tool”
- ❖ At night; Tizen and Automotive Grade Linux developer
- ❖ Intel Software contributor
- ❖ Used to Nokia

Get Connected via Internet



Get Connected via Linux



PRESENTS...

Going Web

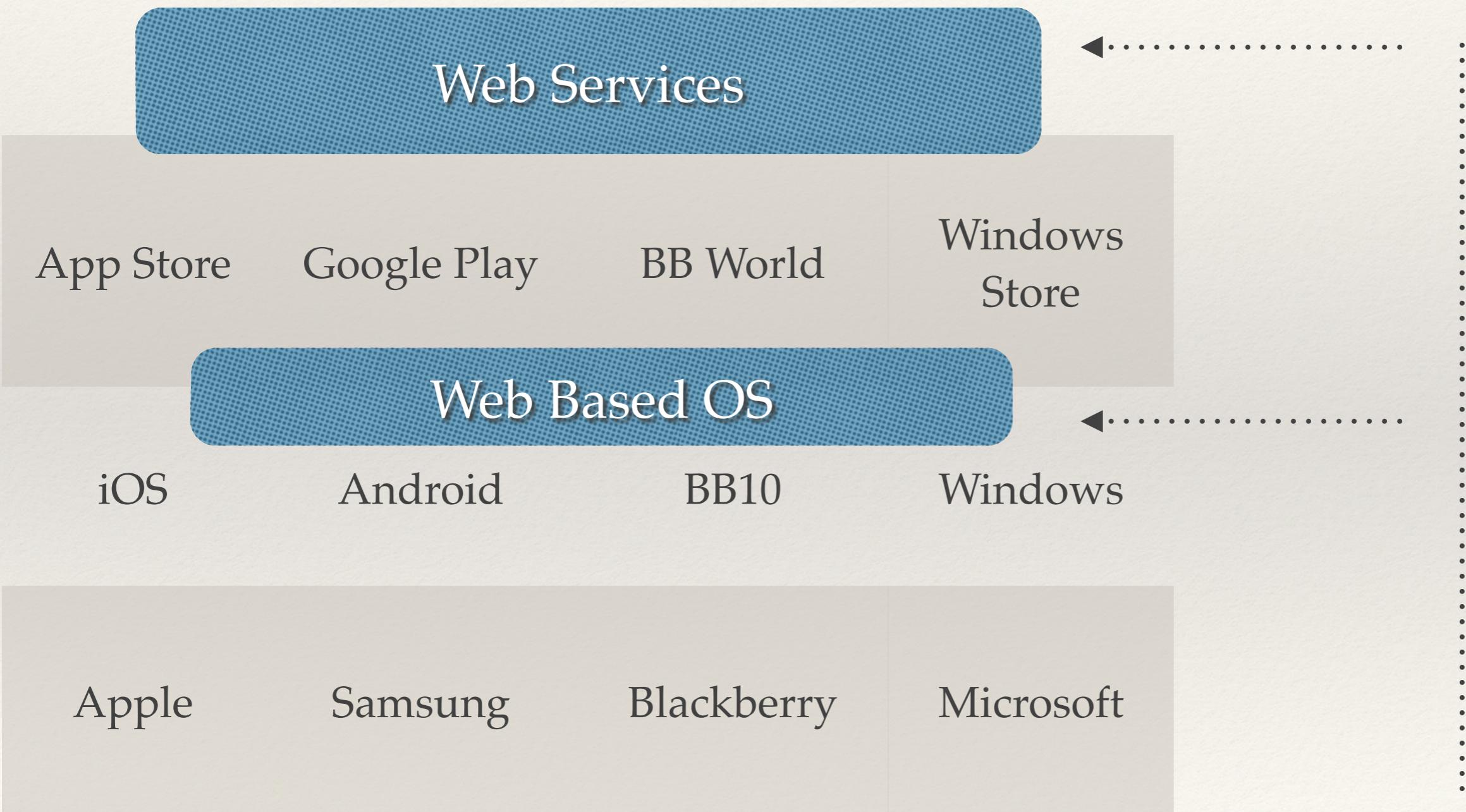
- ❖ Internet
- ❖ Linux
- ❖ Web
- ❖ Operators



- ❖ Mobile World

The Google logo, featuring the word "Google" in its signature multi-colored font.

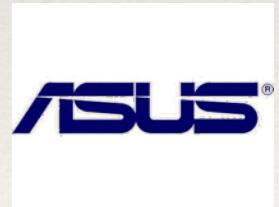
Mobile Trends



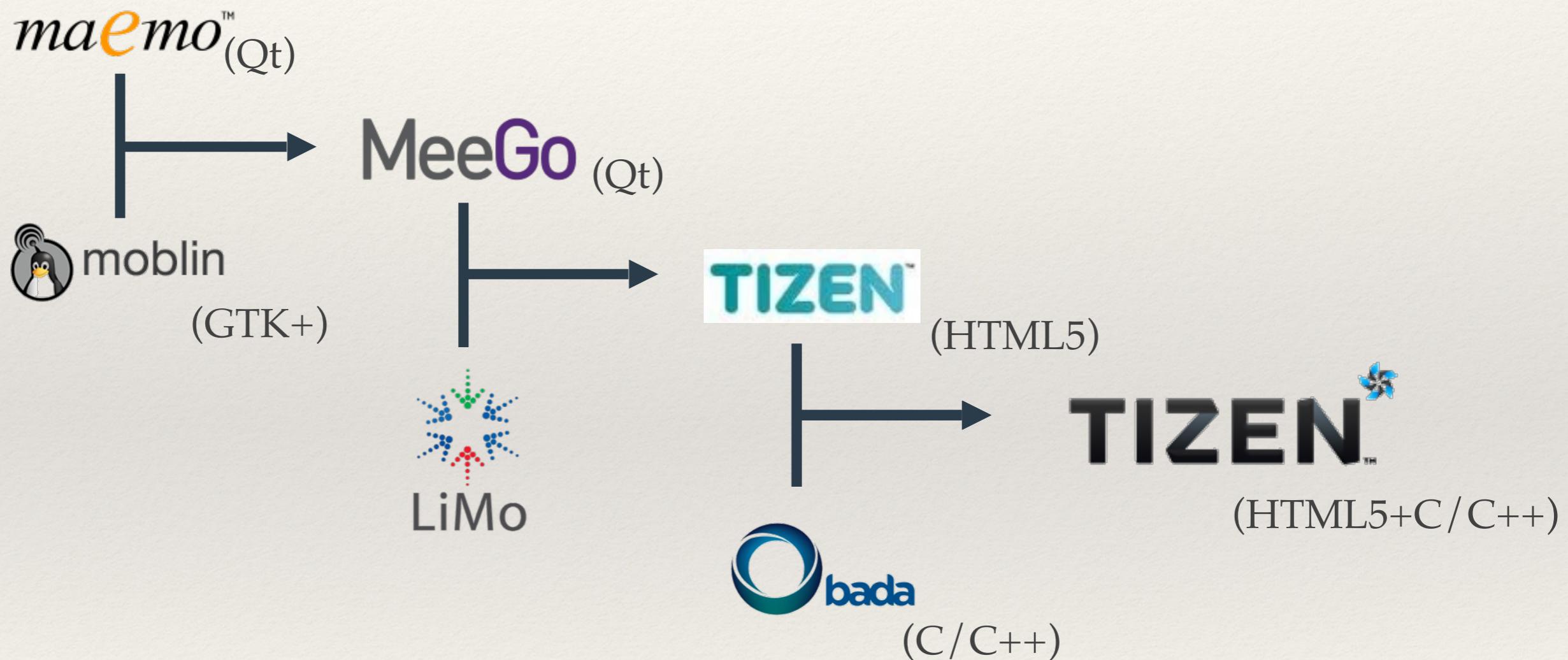
TIZEN

Cross Platform (x86 / ARM):

- ❖ Smart Phones
- ❖ Tablets
- ❖ Notebooks
- ❖ In Vehicle Infotainment (IVI)
- ❖ Smart TV
- ❖ Embedded Systems



TIZEN History



TIZEN Architecture

Web Apps

Native Apps

Web Framework
(WebKit)

Native Framework

Services and APIs

Linux Kernel and Device Drivers

Firefox OS



Blaze Your Own Path

We're enabling operators, phone manufacturers and developers to manage, customize and improve relationships with their customers directly through our mobile products: [Firefox OS](#), [Firefox Marketplace](#) and [Firefox for Android](#).

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[**ZTE** 中兴](#)

[**TELECOM** ITALIA](#)

[**SingTel**](#)

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[**etisalat**](#)

[**LG**](#)

[**américa móvil**](#)

[**KDDI**](#)

[**kt**](#)

[**QUALCOMM**](#)

[**ALCATEL onetouch.**](#)

[**Sprint**](#)

[**VimpelCom**](#)

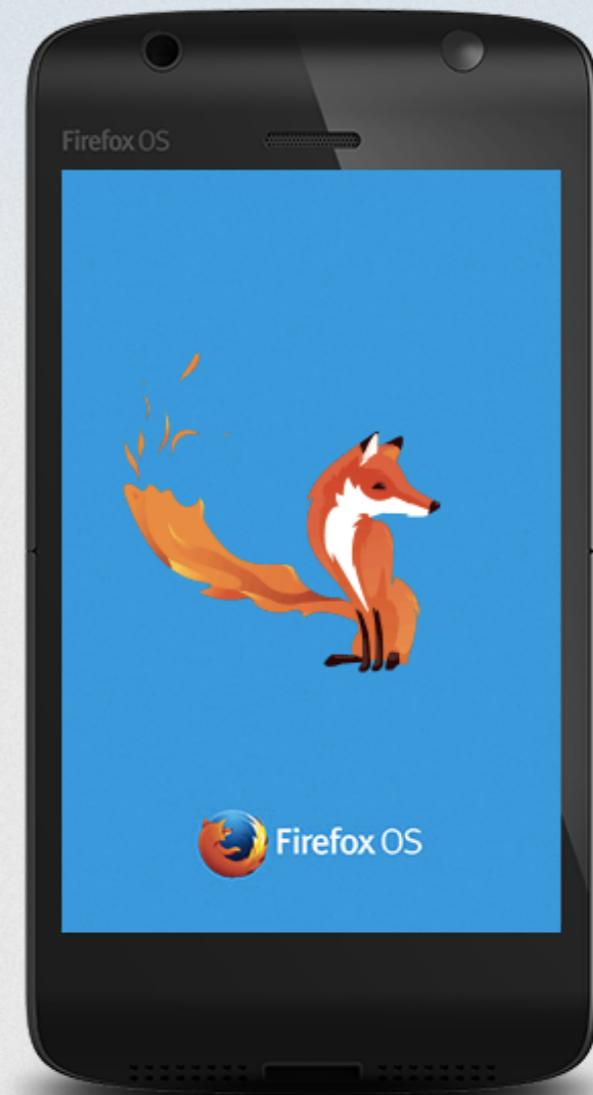
See more partners →



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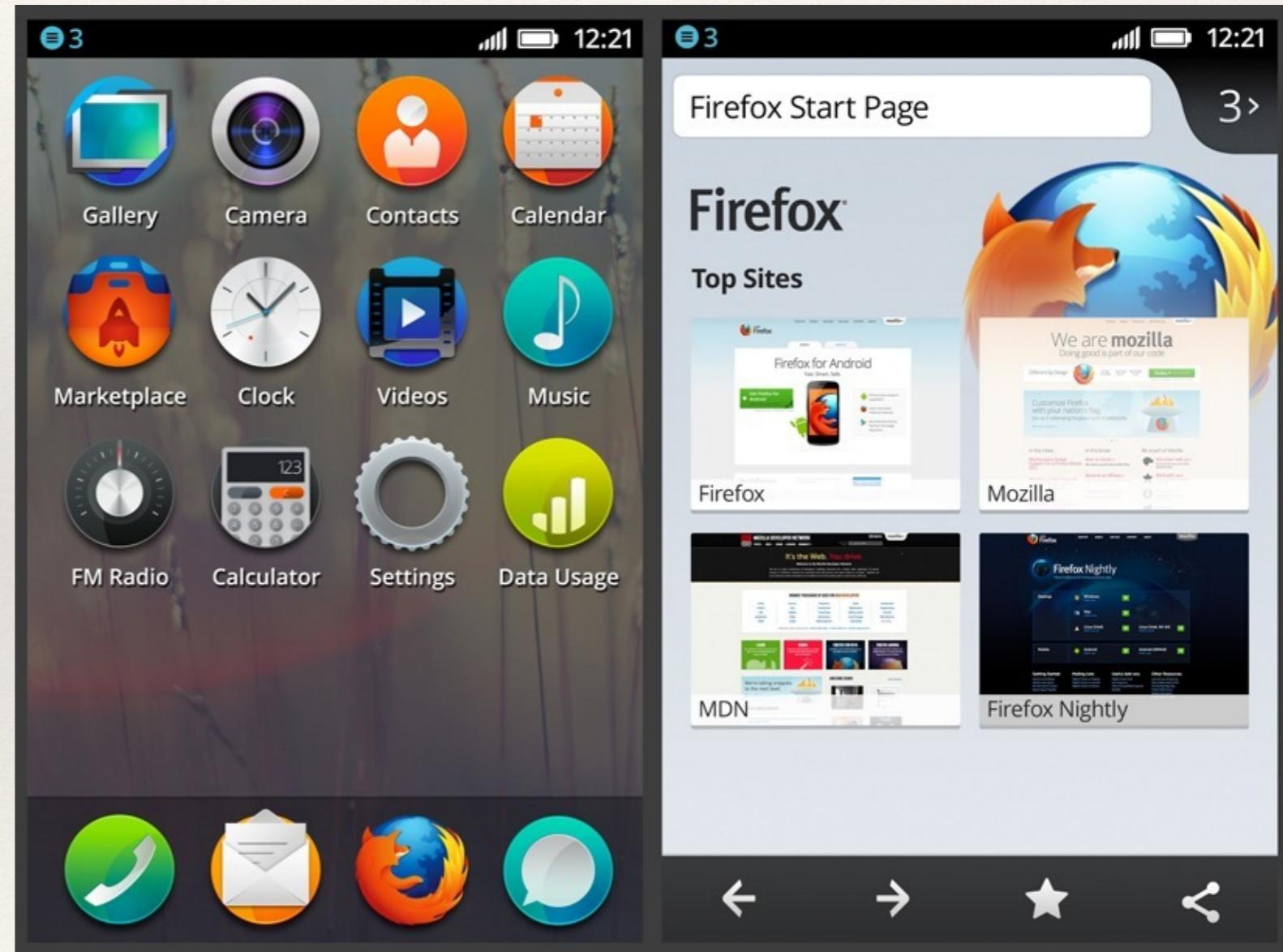
RECENT NEWS

- Mozilla and partners prepare to launch first Firefox OS smartphones
- Watch our wrap-up video from Mobile World Congress 2013

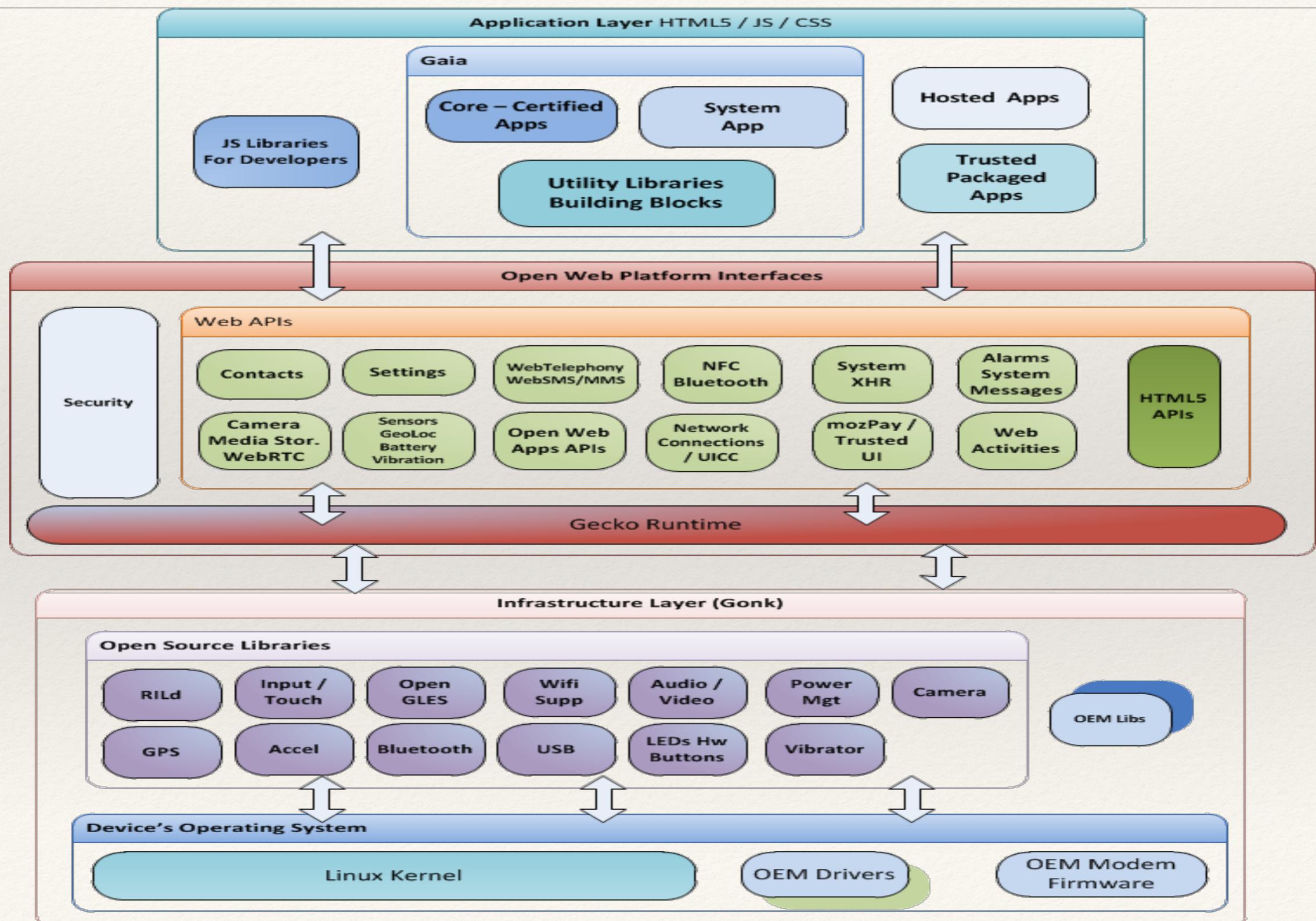


Firefox OS

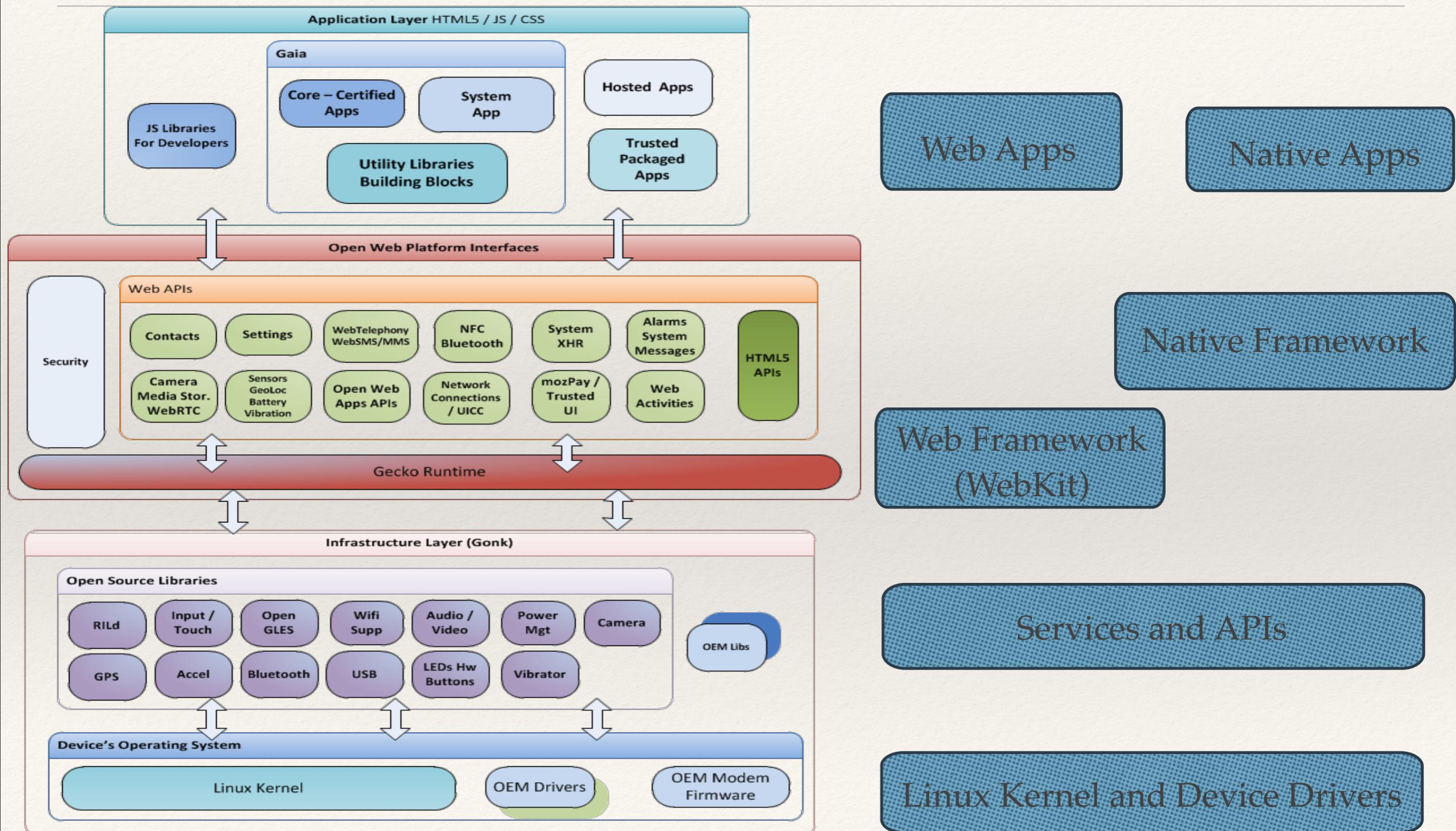
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  "description": "My elevator pitch goes here",  
  "launch_path": "/",  
  "icons": {  
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  },  
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    "name": "Your name or organization",  
    "url": "http://your-homepage-here.org"  
  },  
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}  
  
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Firefox OS Architecture



Firefox OS - TIZEN



What's Next for Android?

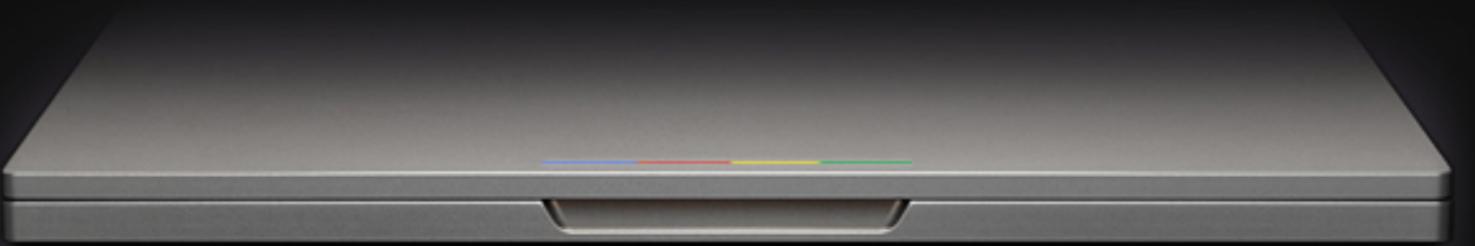


Google chrome
Operating System

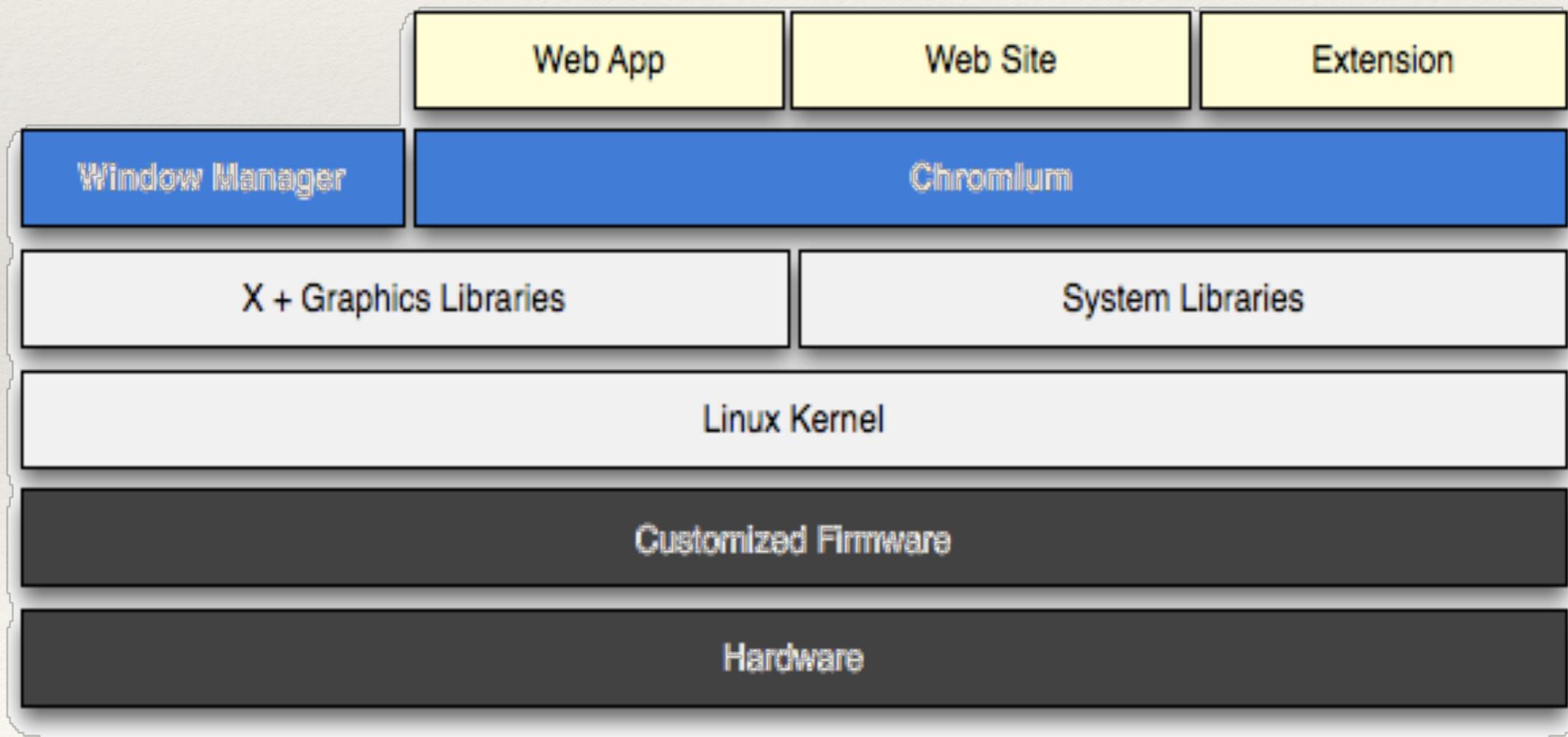
Chromebook Pixel

For what's next

The Chromebook Pixel is a laptop that brings together the best in hardware, software, and design to inspire future innovation.

A dark grey or black Chromebook Pixel laptop is shown from a top-down perspective, slightly angled. The laptop has a thin profile and a visible hinge area. A small decorative element consisting of three horizontal lines in blue, red, and green is positioned just above the center of the laptop's body.

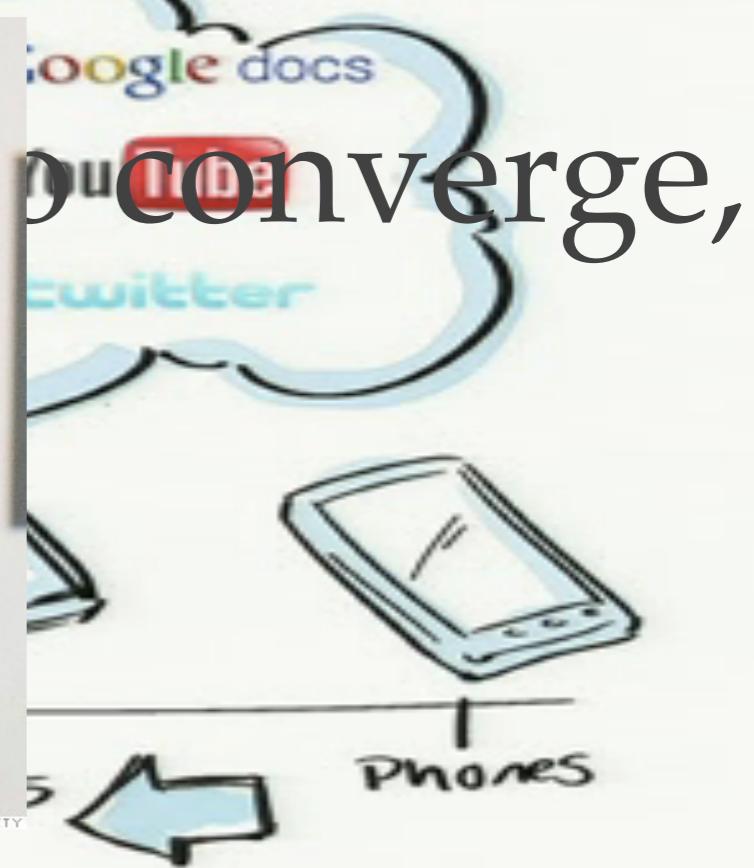
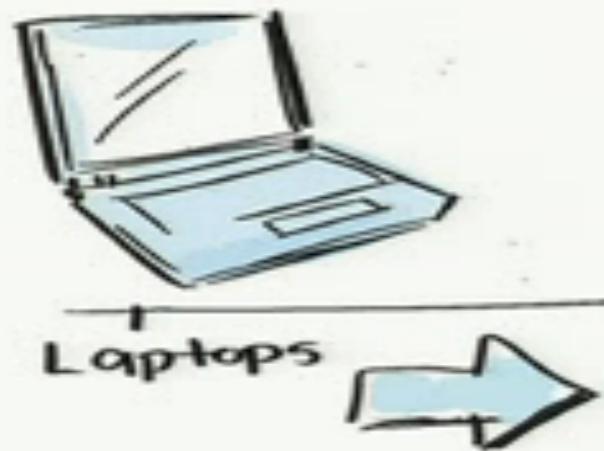
Chrome OS Architecture



Google's World

Perfect storm of converging trends

Brin: Google

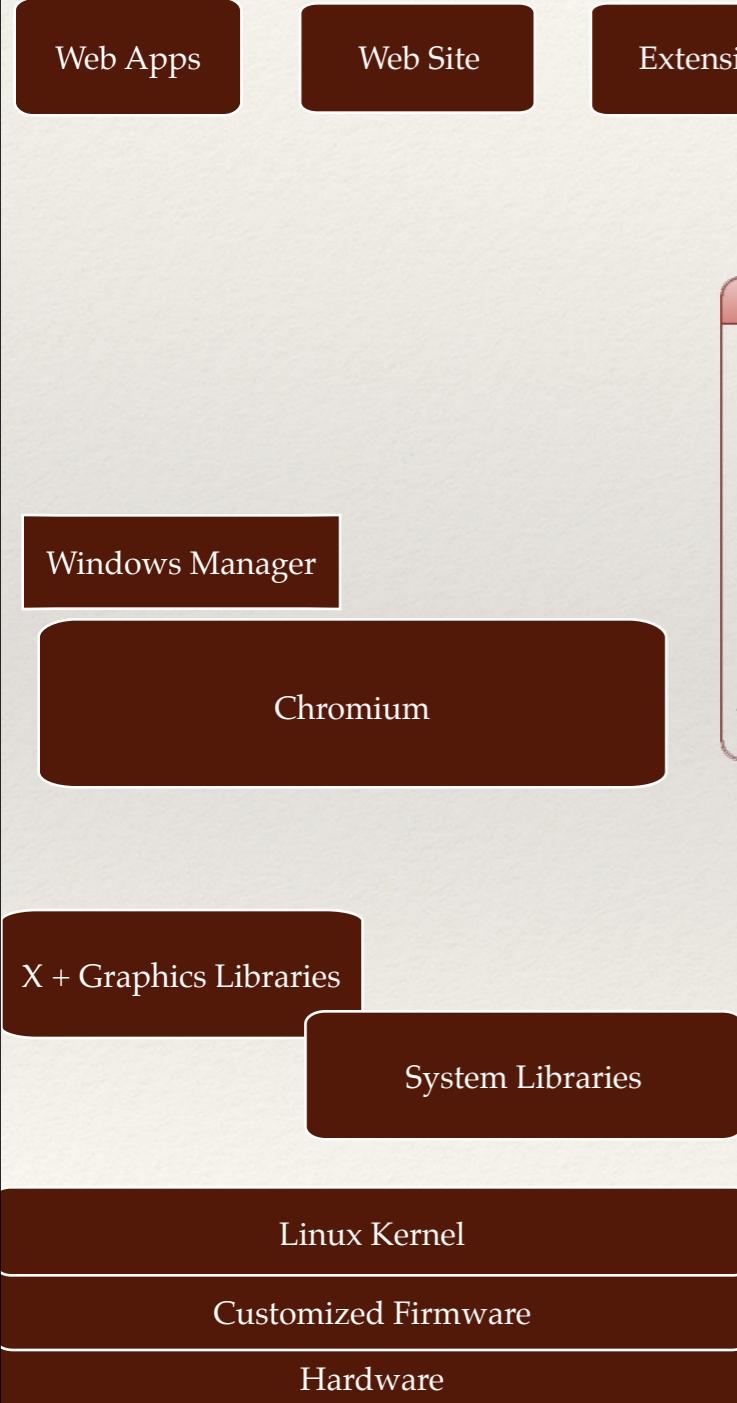


* ABIresearch - Nov 4th, 2009

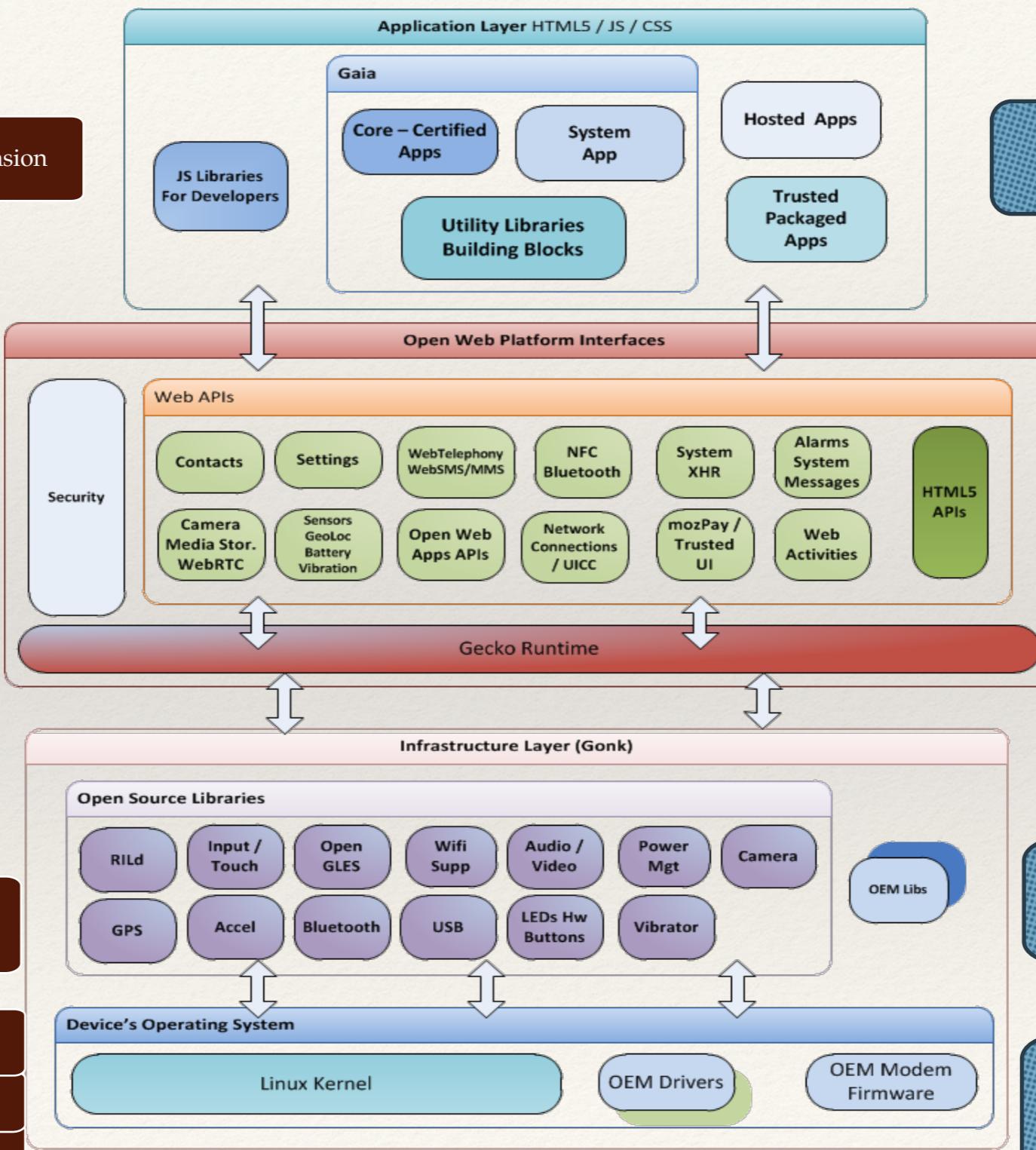
Sundar Pichai, 2013



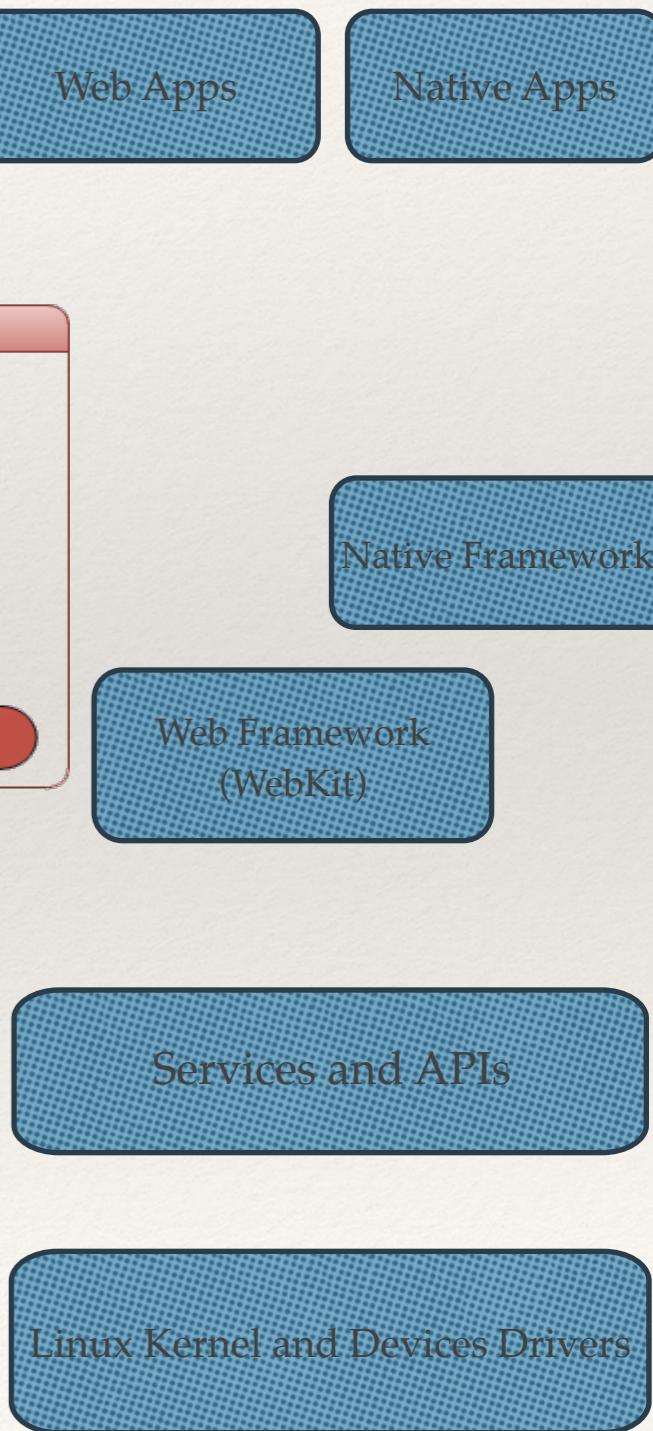
Chrome OS



Firefox OS



TIZEN



Future of Mobile



JavaScript



HTML

What's Reality?

Zuckerberg: Our Biggest Mistake Was Betting Too Much On HTML5

After that widely quoted sentence: "It's not that HTML5 is bad. I'm actually, on long-term, really excited about it. One of the things that's interesting is we actually have more people on a daily basis using mobile web Facebook than we have using our iOS or Android apps combined. So mobile web is a big thing for us."

"If the web can be evolved to include the missing APIs and have better performance, [developers] won't need to go beyond the web." Brendan Eich, Mozilla.

Depends on your Needs!

Facebook+HTML5= Fastbook



Most Downloaded Apps

iOS

1. Facebook
2. Pandora Radio
3. Instagram
4. YouTube
5. Skype
6. Words With Friends Free
7. The Weather Channel
8. Twitter
9. Temple Run
10. Google Search
11. Netflix
12. Shazam
13. Angry Birds Free
14. Draw Something Free
15. Flashlight
16. Facebook Messenger
17. Google Earth
18. Fruit Ninja Free
19. iHeartRadio
20. Movies by Flixster, with Rotten Tomatoes
21. Bump
22. eBay
23. PAC-MAN Lite
24. Groupon
25. Google Maps

Facebook
Pandora Radio

Instagram
YouTube
Skype
The Weather Channel
Twitter
Google Search
Netflix
Shazam
Flashlight
Facebook Messenger
Google Earth
iHeartRadio
Movies by Flixster Bump
eBay
Groupon
Google Maps
Google Play services
Gmail
WhatsApp Messenger
Chrome Browser
Street View on Google Maps
Adobe Flash Player 11
Adobe Reader
Voice Search
Google+
Google Search
Google Play Books
Google Play Music
Viber
Dropbox
Google Play Movies TV

Android

1. Google Play services
2. Google Maps
3. Gmail
4. YouTube
5. Facebook
6. WhatsApp Messenger
7. Angry Birds
8. Chrome Browser
9. Skype
10. Twitter
11. Adobe Flash Player 11
12. Facebook Messenger
13. Fruit Ninja Free
14. Street View on Google Maps
15. Adobe Reader
16. Voice Search
17. Google+
18. Google Search
19. Google Play Books
20. Tiny Flashlight + LED
21. Instagram
22. Google Play Music
23. Viber
24. Dropbox
25. Google Play Movies TV

Web/Server Based

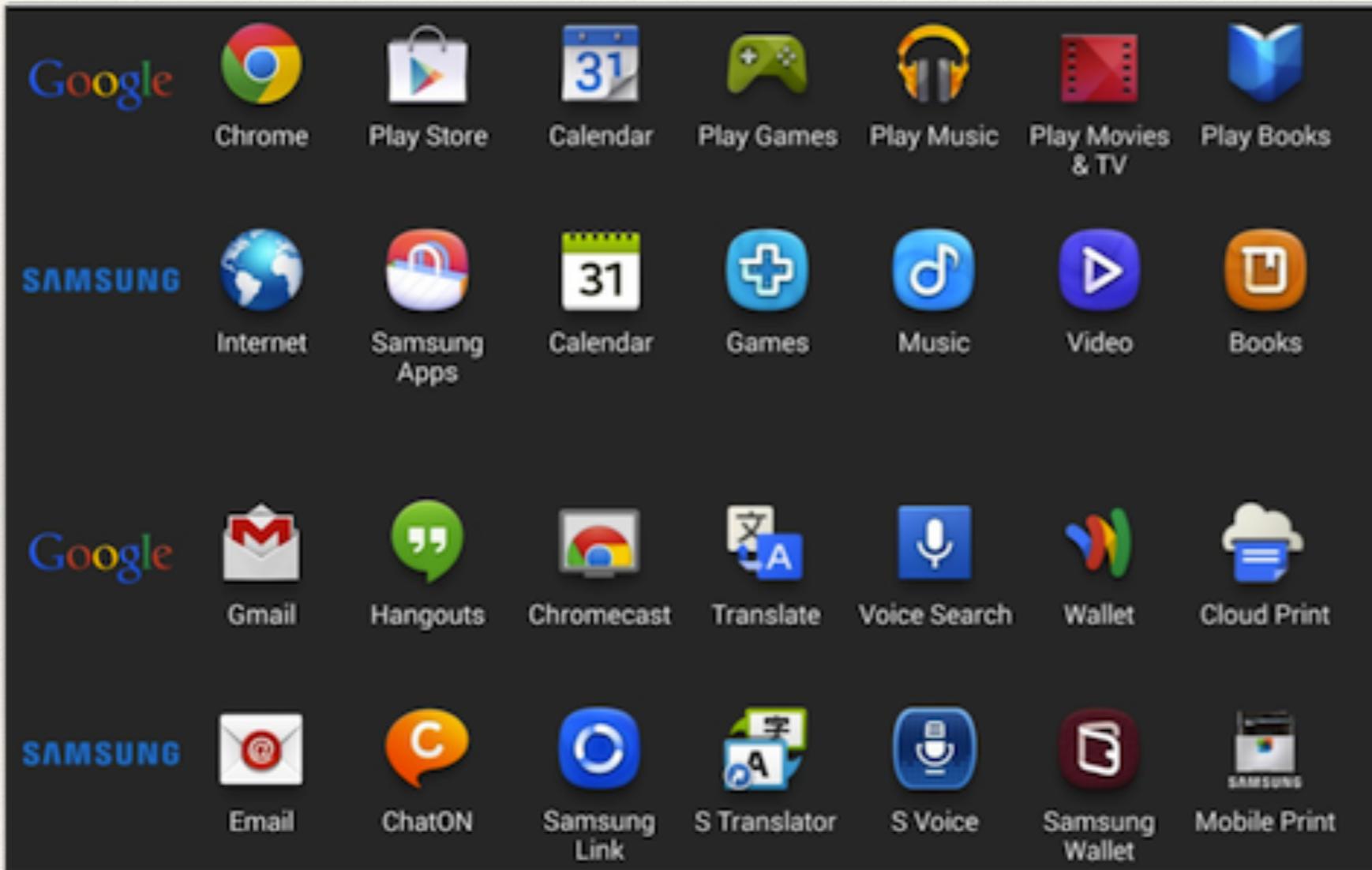
Google's Move



Source: Google | The Naked Android | November 2013
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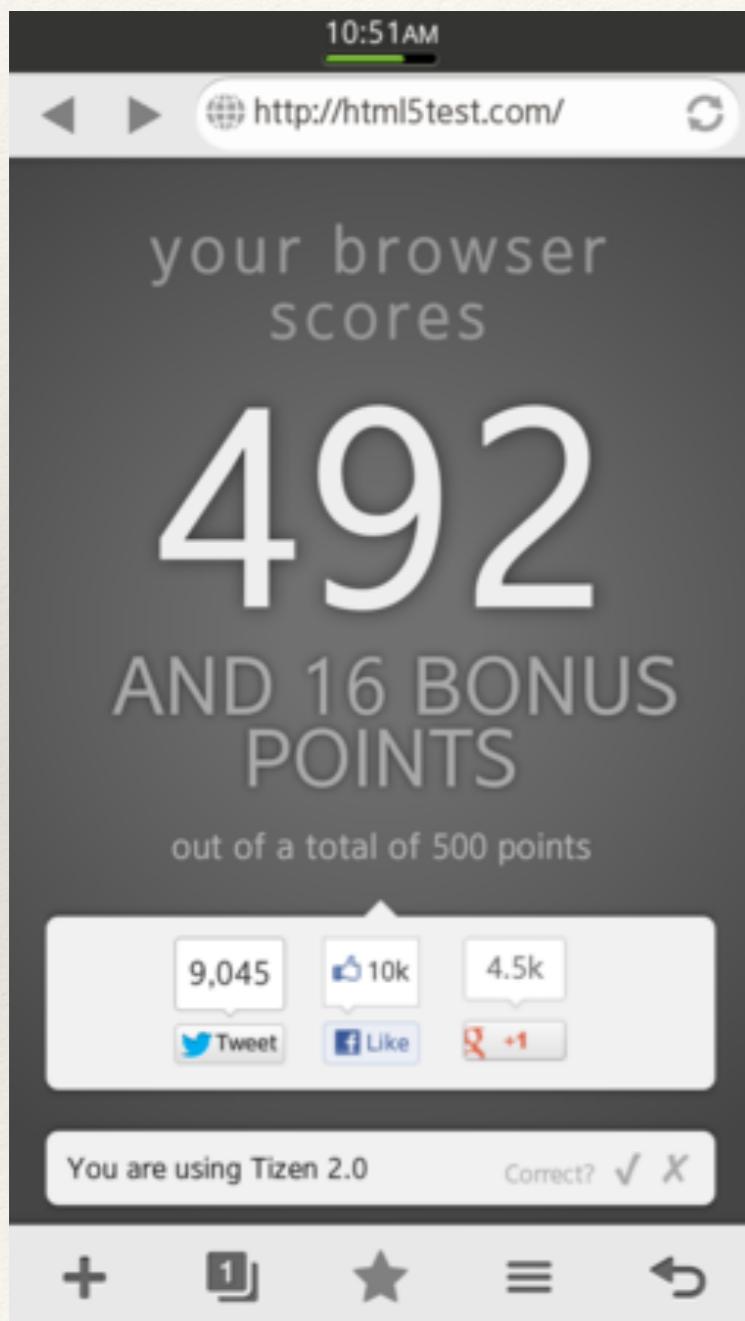
Samsung's Move

Samsung develops alternatives to Google apps and services



Source: Ars Technica | The Naked Android | November 2013
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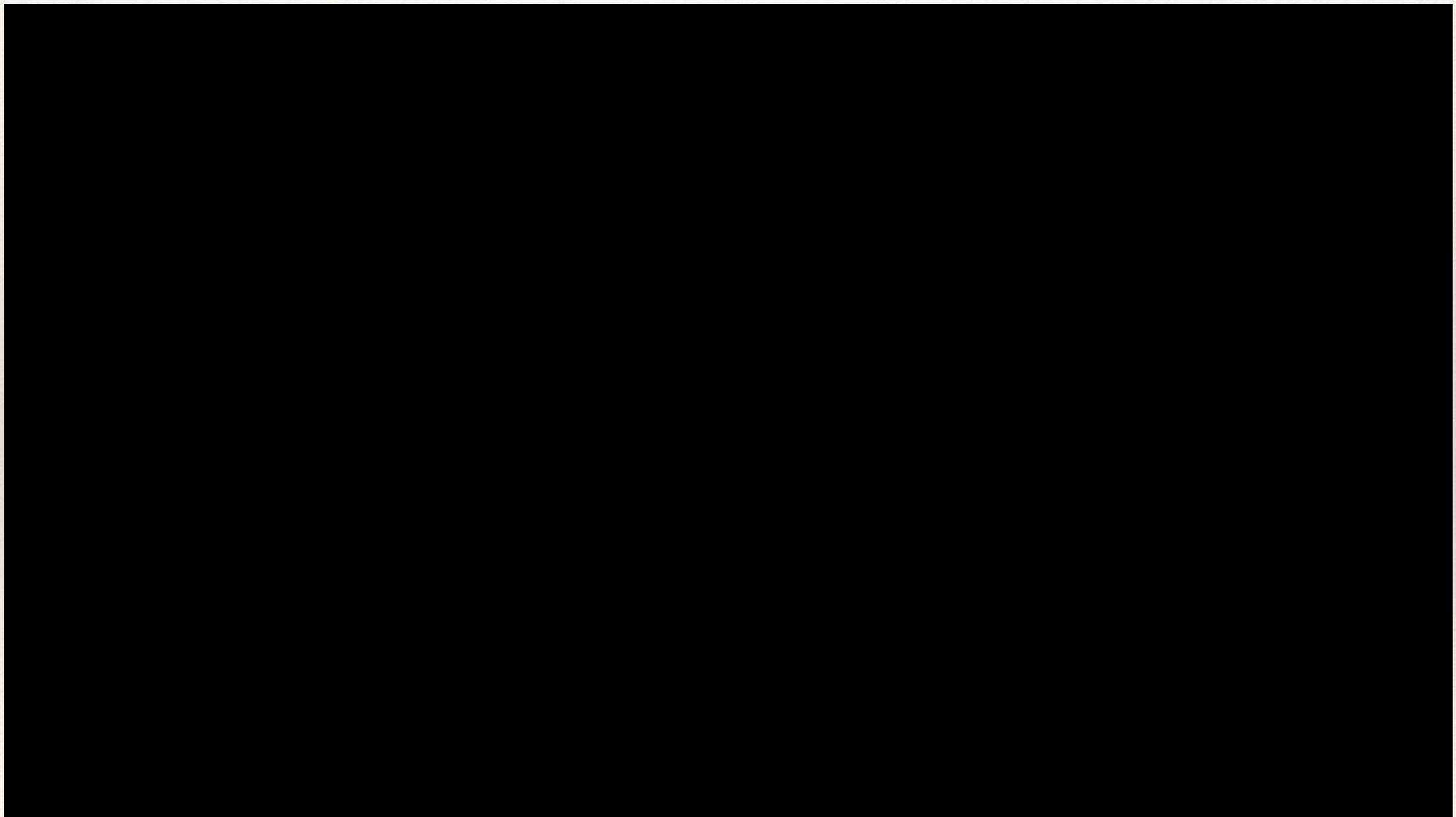
HTML5 Performance



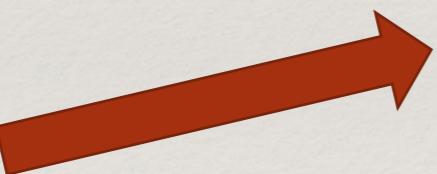
TOP 50 DEVICES

BASEMARK GUI FREE		BROWSERMARK	BASEMARK ES2V1 TAIJI FREE	
#	Operator	OEM	Device	Score
1	Stock Model	Samsung	GT-I9500	2540.35
2	Stock Model	Apple	iPhone 5	2416.34
3	AT&T	Samsung	SGH-I747 Galaxy S III LTE	2359.17
4	Stock Model	Samsung	SHW-M440S Galaxy S3	2343.56
5	Stock Model	Sony	Xperia GX LT29i	2332.08
6	NTT DoCoMo	Samsung	SC-02E Galaxy Note II	2318.61
7	Stock Model	Samsung	GT-N7100 Galaxy Note II	2305.46
8	Stock Model	Samsung	SHV-E210L Galaxy S III LTE	2230.63
9	Stock Model	Samsung	GT-I9100M Galaxy S II	2226.61
10	Sprint	Samsung	SPH-L710 Galaxy S III LTE	2204.83
11	Stock Model	KTTech	KM-E100	2173.92
12	NTT DoCoMo	Fujitsu	Arrows X F-10D	2158.20
13	KDDI	HTC	J ISW13HT	2151.95
14	Stock Model	LG	VS930 4G	2142.54
15	Stock Model	Samsung	SHV-E170K Galaxy R Style	2137.45

HTML5 Apps



Future with TIZEN



Mobile World Big Picture

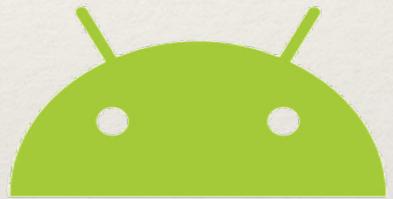


iOS



MOTOROLA

Google



Microsoft



Windows Phone



TIZEN™

Q/A

?¿



OytunAtLinux



oytuneren.net



oytuneren

Thanks...

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