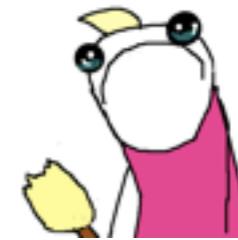




# ALL THE THINGS

*fiction from the Web's immediate future*





# Join the millions of businesses that have gone Google.

Each day, thousands of companies are going Google by switching to Google Apps – a web-based suite of messaging and collaboration applications. It's all hosted by Google, and designed with security and reliability in mind, saving your company the frustrations and hassles of managing traditional IT solutions yourself. Find out how others have switched from [Microsoft® Exchange](#) or [Lotus Notes](#) to Google Apps.

[Contact Google](#)

## Get an Easy-To-Use Web-Based Contact Manager (CRM)

*30 Day Free Trial. 30 Seconds to Sign Up. No Credit Card Required.*



**BigContacts CRM Will Help You...**



Office Web Apps on Facebook [Like](#) 9k

### EXTEND YOUR OFFICE EXPERIENCE TO THE WEB

Access, edit, and share your Word, Excel, PowerPoint and OneNote documents online from almost anywhere.

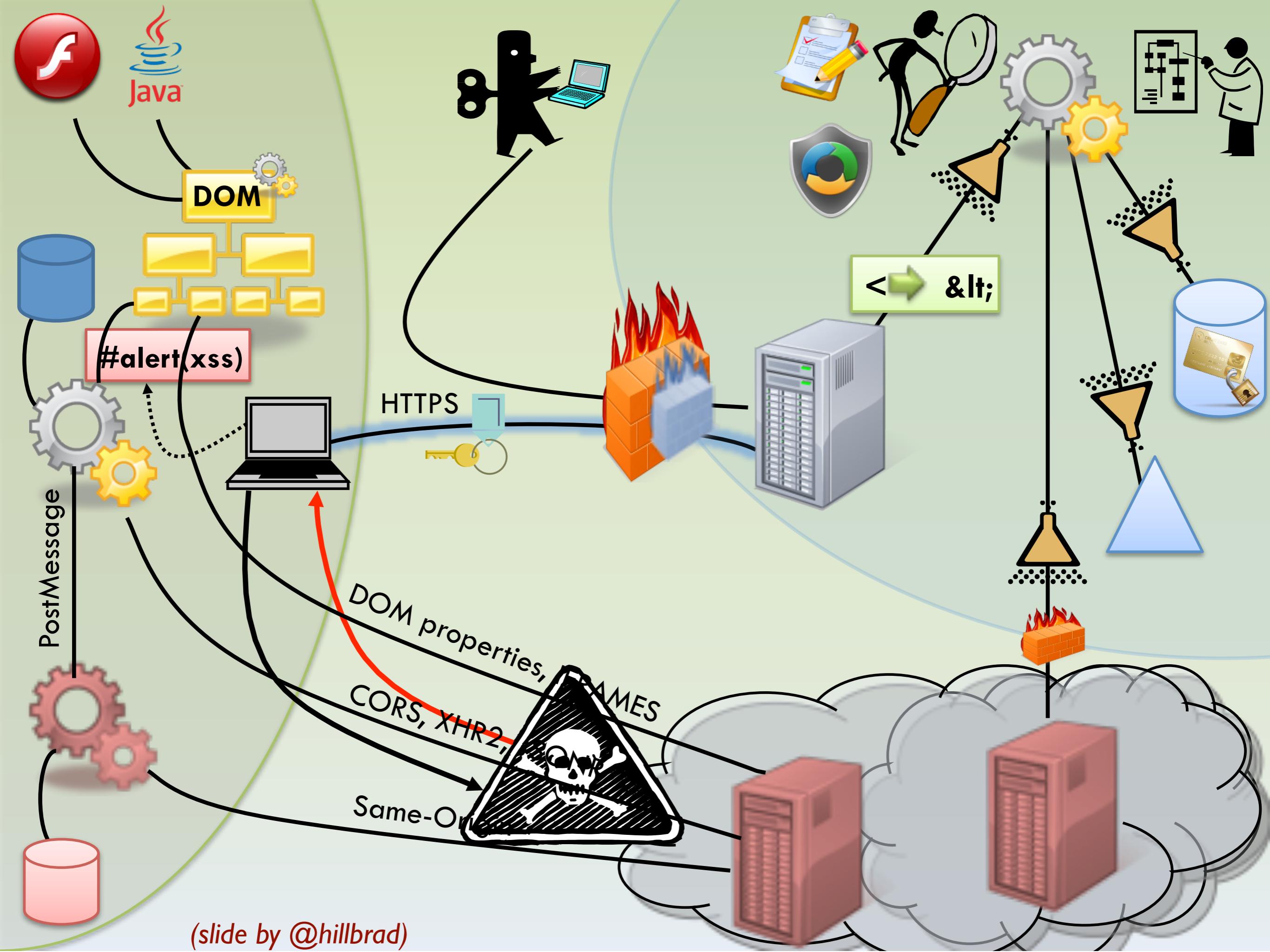
[Get started free](#)



See how—and why—to use Office Web Apps.

**W3C**





(slide by @hillbrad)

**new capabilities**  
**(webRTC, hybi, ...)**

# **assets in the cloud attacks on the Web**

**good-bye Web Security,  
welcome Web Application  
Security**

# 100

Join the millions of businesses  
that have gone Google.

Each day, thousands of companies are going Google by switching to Google Apps – a web-based suite of business and collaboration applications. It's all hosted by Google, and designed with security and reliability in mind. Making your company's frustrations and hassles of managing traditional IT solutions yourself. Find out how other companies have switched from Microsoft® Exchange or Lotus Notes to Google Apps.

Google Apps

Contact Google

Get an Easy-To-Use Web-Based Contact Manager (CRM)

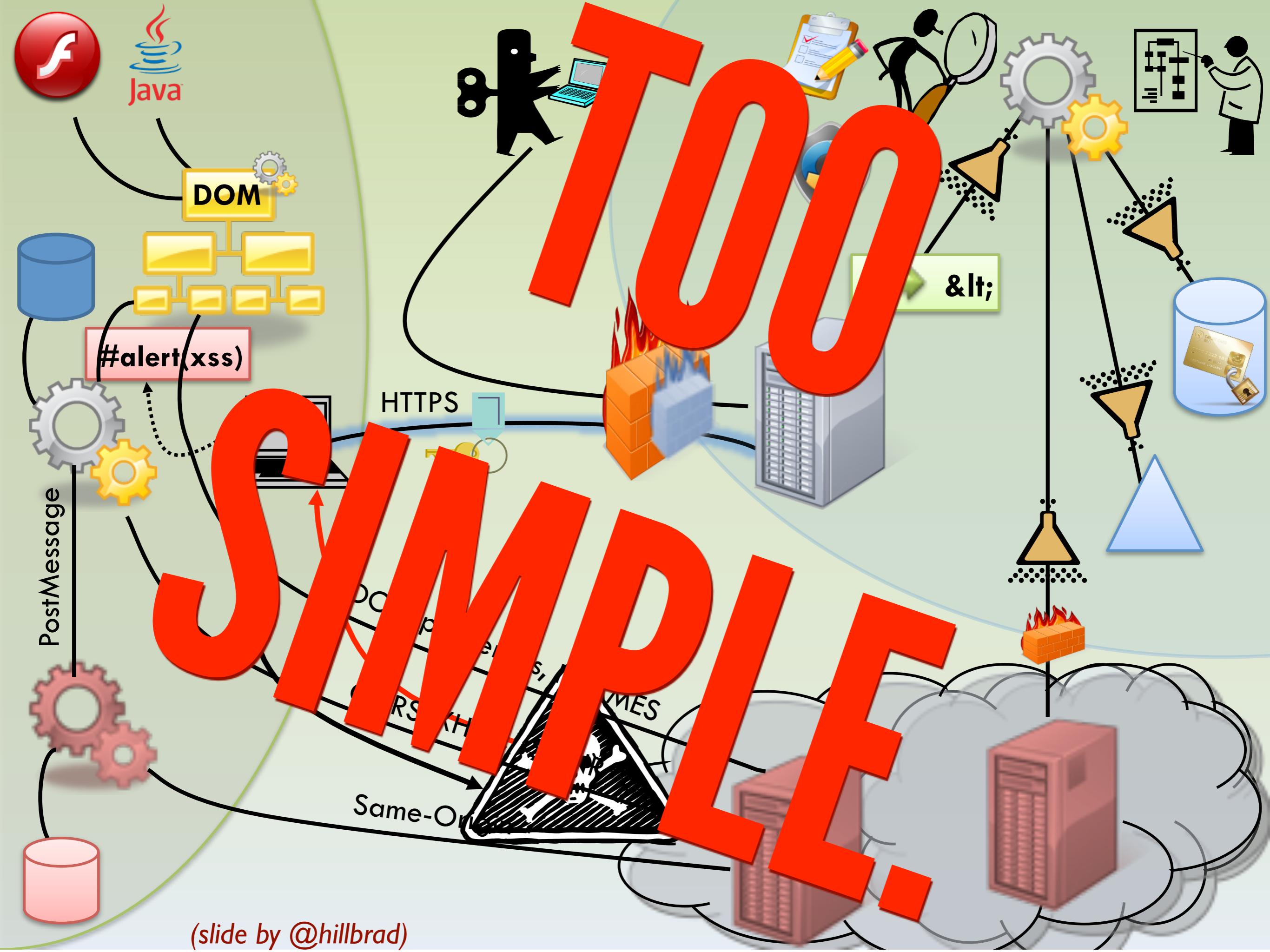
30 Day Free Trial. 30 Seconds to Sign Up. No Credit Card Required.

BigContacts CRM Will Help You...



W3C





good-bye ~~W3C~~ security,  
we come Web Application  
**SIMPLY** ~~SAFE~~!





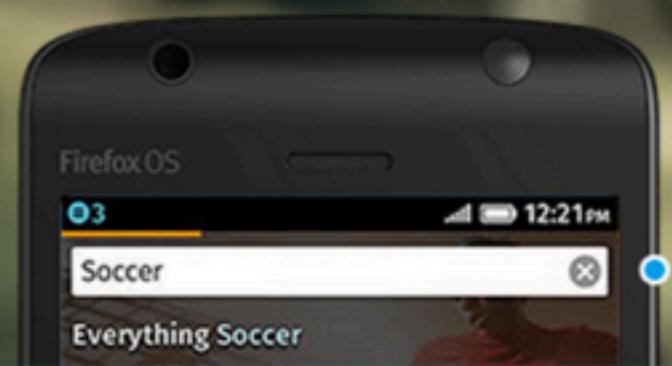
Firefox OS

[The Adaptive Phone](#)

[The Features](#)

[The Mission](#)

[Sign me up](#)



## Adaptive App Search

# Have it all

Firefox OS is packed with the features that made you want a smartphone in the first place. It fits your life perfectly so you can fit in with the world around you.



Social



Photos



Music



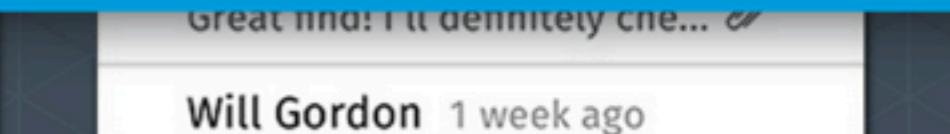
Maps



Messages



Marketplace



Great find! I'll definitely che...

Will Gordon 1 week ago

W3C



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TIZEN APP  
CHALLENGE  
\$4,040,000  
IN PRIZES

Learn More

## TIZEN 2.2 RELEASE

Download the latest  
your application toda

DOWNLOAD THE S



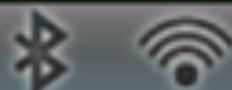


W3C



John Smith | 8:26 AM | 25 °C

ONX



FLUID LEVELS

TRACTION SYSTEM

BRAKING SYSTEM

POWERTRAIN SYSTEM

ELECTRICAL SYSTEM



VEHICLE

00  
SC  
MAIN





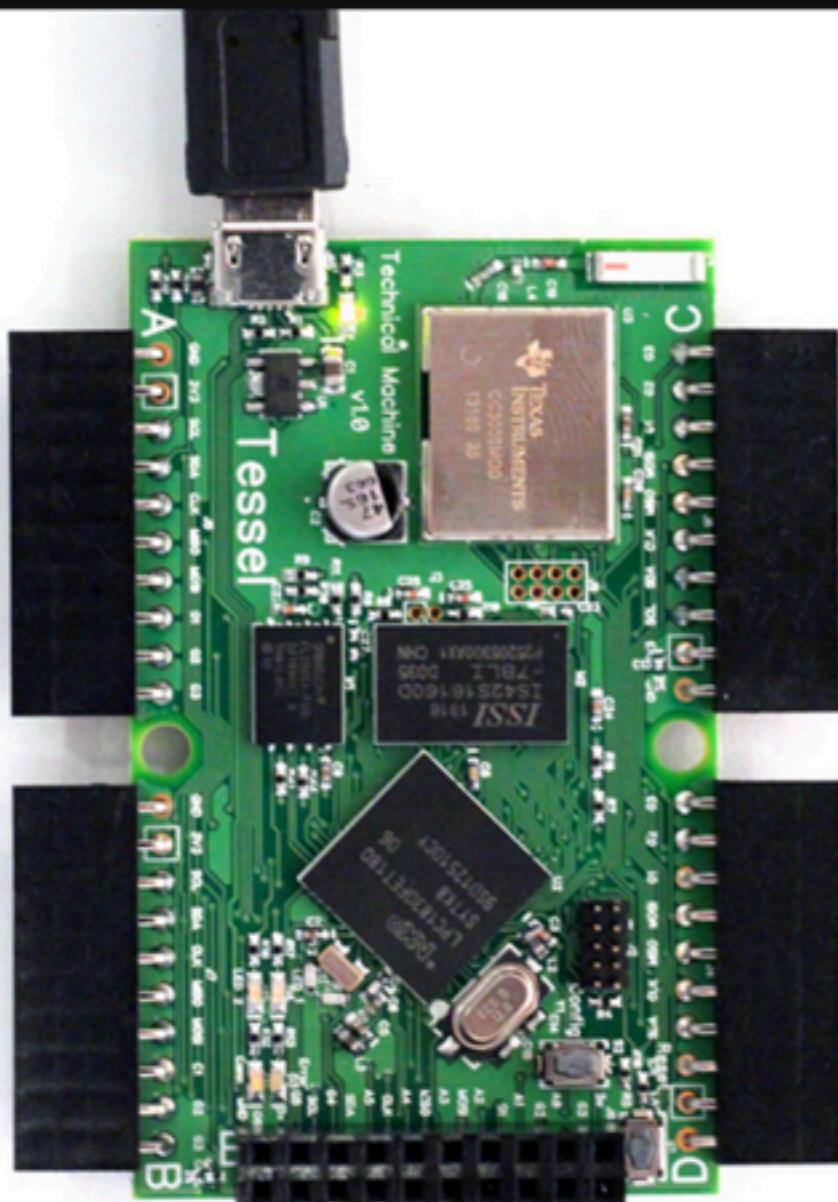






W3C





JavaScript right on the hardware.

We're launching soon! Sign up for our mailing list and we'll let you know:

[Submit](#)

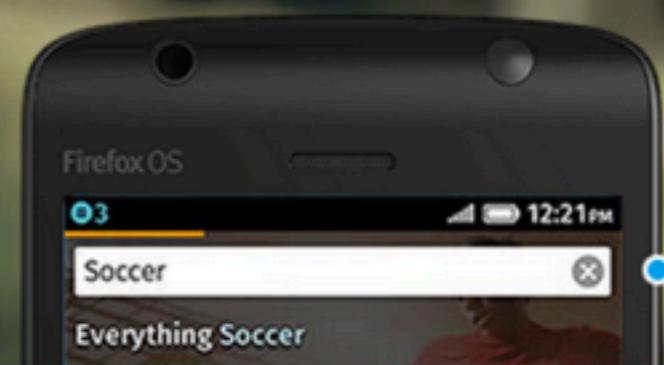
# HTML5 / JS as Application Platform

# Trusted Applications

# App Stores

# Reviews

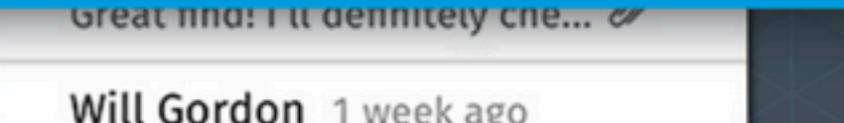
# Device Features



# Adaptive App Search

## Have it all

Firefox OS is packed with the features that made you want a smartphone in the first place. It fits your life perfectly so you can fit in with the world around you.

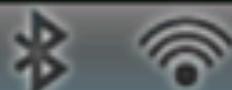
[Social](#)[Photos](#)[Music](#)[Maps](#)[Messages](#)[Marketplace](#)

Great find! I'll definitely che...

Will Gordon 1 week ago

John Smith | 8:26 AM | 25 °C

ONX



FLUID LEVELS

TRACTION SYSTEM

BRAKING SYSTEM

POWERTRAIN SYSTEM

ELECTRICAL SYSTEM



VEHICLE

00  
SC  
MAIN



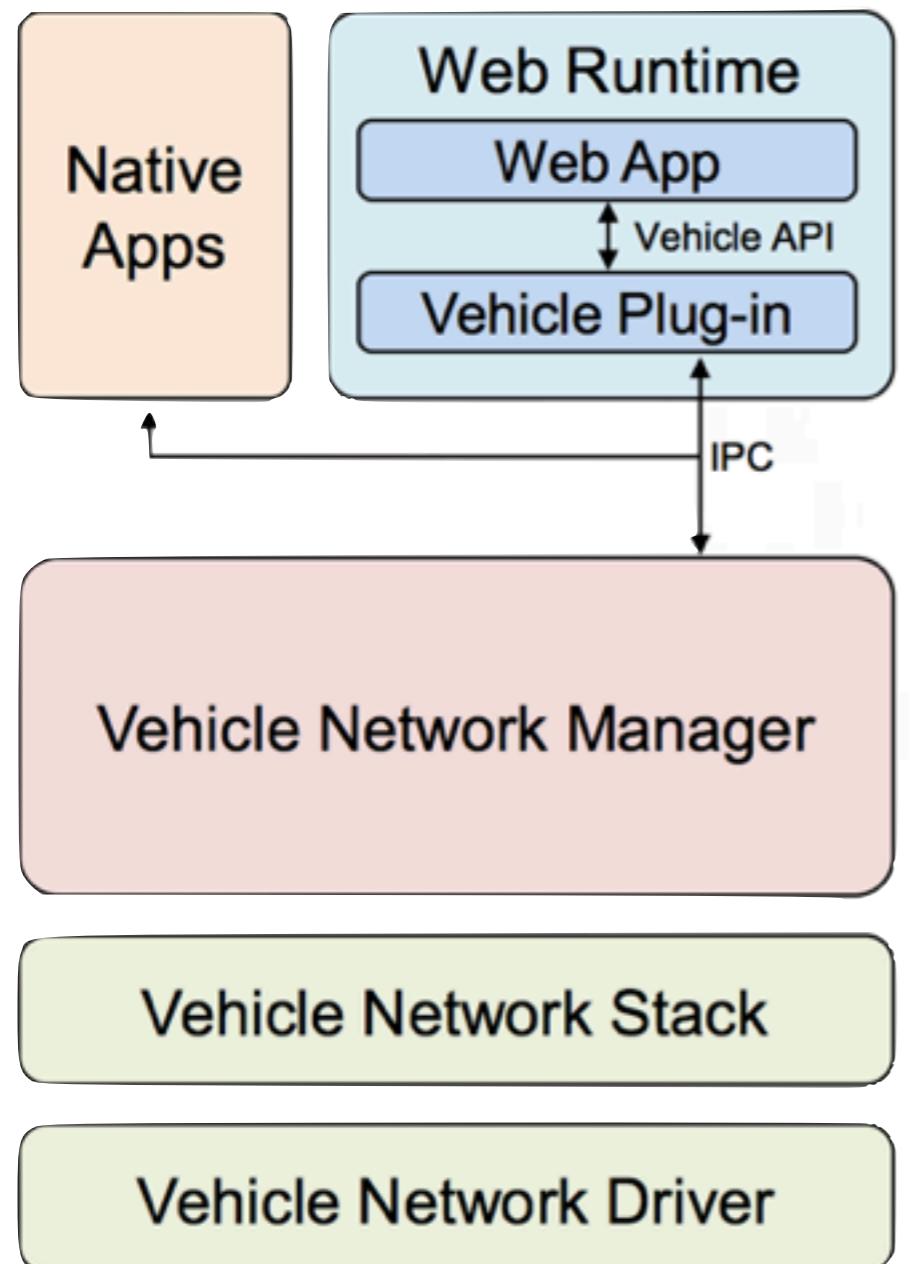
## API Description – Example (2/6)

### □ Getting a single vehicle data

- Let's get the tire pressure status for the front left tire and notice the status to the driver
- Call the get function with a callback function (handleVehicleData)

```
vehicle.get('maintenance_tire_pressure_status_front_left', handleVehicleData, handleError);
function handleVehicleData(data) {
    if (data.tirePressureStatusFrontLeft == 0) {
        alert('Tire pressure status (front-left) is normal.');
    } else if (data.tirePressureStatusFrontLeft == 1) {
        alert('Tire pressure status (front-left) is low.');
    } else if (data.tirePressureStatusFrontLeft == 2) {
        alert('Tire pressure status (front-left) is high.');
    }
}
```

Layered architecture according to characteristics of vehicle network

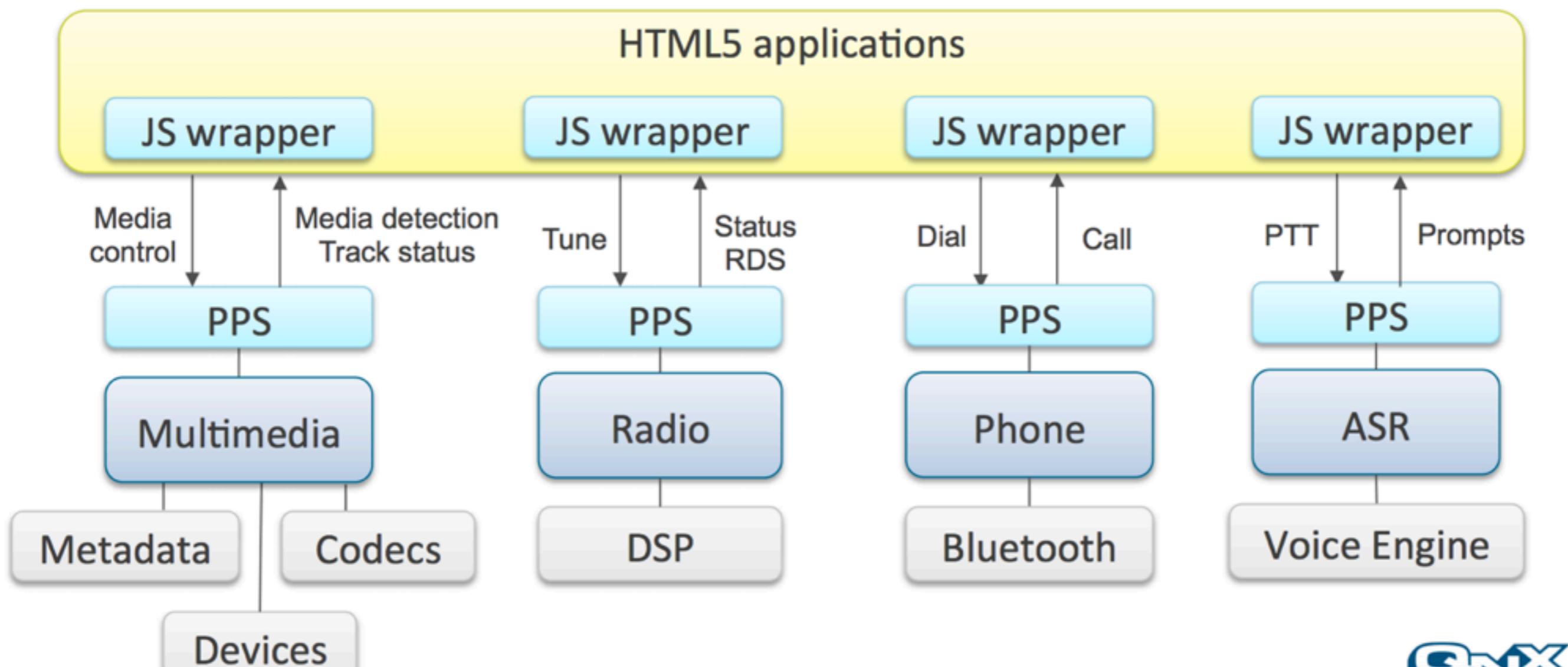


- ❑ Various ways to implement it
- ❑ IPC should cover both web and native apps
- ❑ Gateway to vehicle network for Apps
  - Broadcast updates of values
  - Keep the latest values
  - Message encoding/decoding
- ❑ Commercial solution is usually used
  - Full tool chain – simulation, monitoring, automatic code-generation to apply the change of message database

IVI Layered Architecture

# JavaScript access to platform services

17



**QNX**  
QNX SOFTWARE SYSTEMS

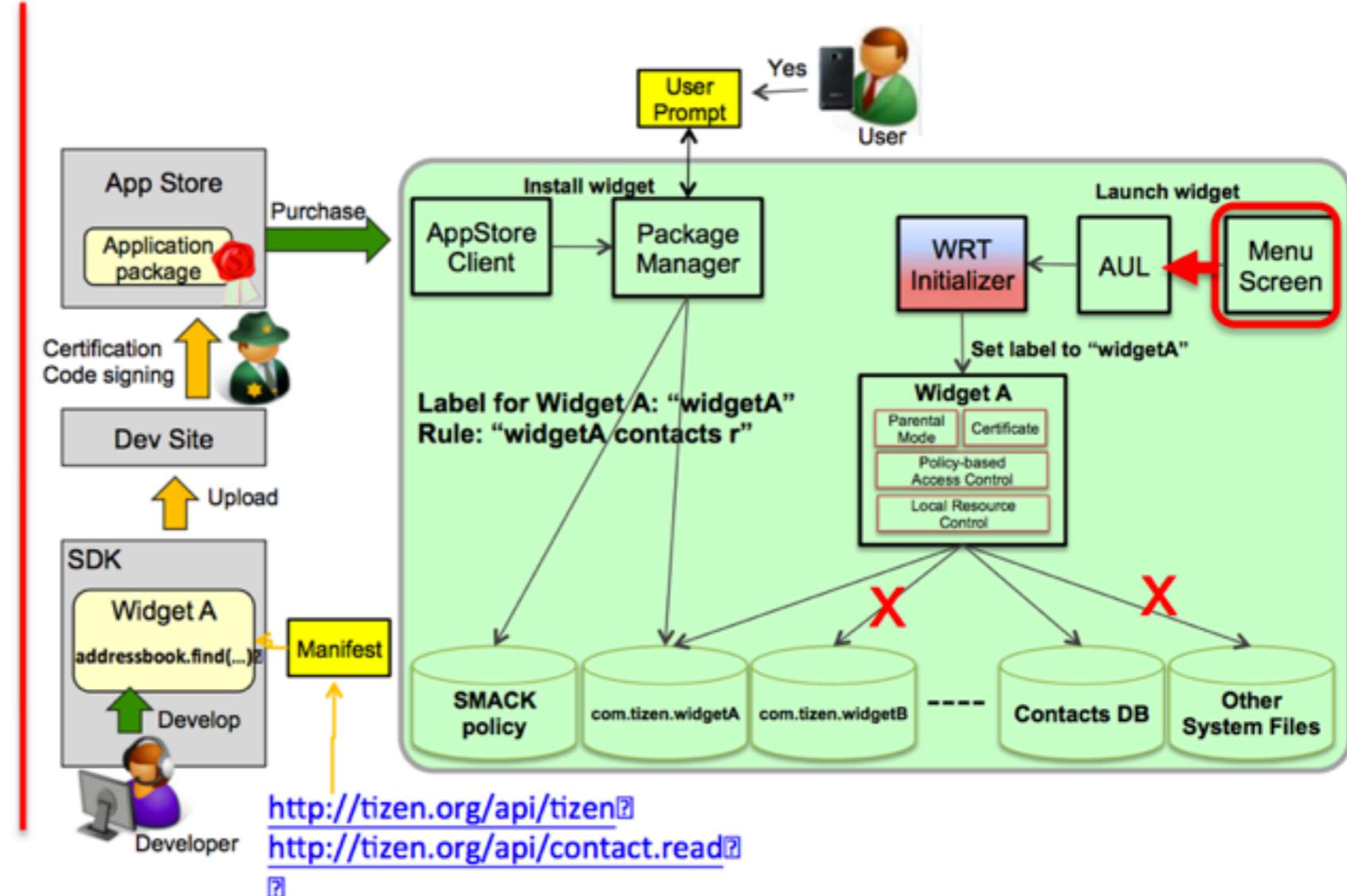
# Access Control Enforcements on Tizen WebApps

- **SMACK Sandbox Example Flow:**

- Widget A contains this code snippet

```
...  
addressbook =  
tizen.contact.getDefaultAddressBook();  
addressbook.find(...);  
...
```

- **Read access to contacts DB file**
  - Assume device policy requires **blanket prompt** (\*depends on the actual policy on the device)





# Runtime and Security Model for Web Applications

W3C Editor's Draft 09 May 2013

**This version:**

<http://www.w3.org/2012/sysapps/runtime/>

**Latest published version:**

<http://www.w3.org/TR/runtime/>

**Latest editor's draft:**

<http://www.w3.org/2012/sysapps/runtime/>

**Editors:**

Mounir Lamouri, [Mozilla](#)

金明 (Ming Jin), [Samsung Electronics, Co., Ltd](#)

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## Abstract

This document specifies two classes of Web application: *hosted Web applications* and *packaged applications*. These applications differ from traditional Web applications in their life cycle, security model, and access to APIs that are not normally available to Web applications. Conceptually, the application manifest indicates that an application can be "installed" on an end-user's device. What distinguishes a traditional Web application from a hosted web application is an application manifest: this is a JSON resource that contains application specific metadata (e.g., the name of the application), and optionally various security related permission requests to resources on the Web and/or services and capabilities on the device.



# The app: URI scheme

Editor's Draft- Last updated 22 May 2013

**This Version:**

<http://www.w3.org/2012/sysapps/app-uri/>

**Git Repo:**

<https://github.com/sysapps/app-uri>

**Version history:**

[Github commits](#)

**Bug tracker:**

[Issue tracker on github](#)

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## Abstract

This specification defines the `app:` URI scheme and rules for dereferencing an `app:` URI, which can be used to address resources inside a package (e.g., a packaged application). The dereferencing model relies on HTTP semantics to return resources in a manner akin to a HTTP GET request. Doing so allows this URI scheme to be used with other technologies that rely on HTTP responses to function as intended, such as [\[XHR\]](#).

## Status of This Document

*This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the [W3C technical reports index](#) at <http://www.w3.org/TR/>.*

## Challenges - Functional API definition (2/2)

- **Remain connected (Social network, ...)**
- **Entertainment for all passengers (Audio, Video, ...)**
- **User centric**
  - **Easier daily life (Calendar, Yellow pages, ...)**
  - **Help (BCall, HelpCall,..)**
- **Trip optimization (Traffic, Parking...)**
- **Trip and car centric**
  - **Multimodality**
  - **Save money (Eco-driving, PAYD, ...)**
  - **Maintenance facilities (Manual, After-sales offers, ...)**

## Challenges - Functional API definition (2/2)

### User centric

- Remain connected (Social network, ...)
- Entertainment for all passengers (Audio, Video, ...)
- Easier daily life (Calendar, Yellow pages, ...)
- Help (BCall, HelpCall,..)

### Trip and car centric

- Trip optimization (Traffic, Parking...)
- Multimodality
- Save money (Eco-driving, PAYD, ...)
- Maintenance facilities (Manual, After-sales offers, ...)

# THE WEB as Programming Platform

Connected  
Linked  
Mashed-up





Q withings

Search

[Advanced Search](#)

Results for withings

0.05 seconds



[eudamon](#): My weight: 215.1 lb. 23.1 lb to go. weight measured by [www.withings.com](http://www.withings.com) <http://withings.com>

6 minutes ago from WiTwit · [Reply](#) · [View Tweet](#)



[metabonow](#): わたしの体重 : 67.7 kg. 測定なう ! <http://withings.com>

8 minutes ago from WiTwit · [Reply](#) · [View Tweet](#)



[LifeMeasure](#): My weight: 186.7 lb. 17.7 lb to go. <http://withings.com>

12 minutes ago from WiTwit · [Reply](#) · [View Tweet](#)



[thom\\_lb4lb](#): My weight: 336.3 lb. <http://withings.com>

32 minutes ago from WiTwit · [Reply](#) · [View Tweet](#)



[lees\\_scale](#): My weight: 179.2 lb. <http://withings.com>

44 minutes ago from WiTwit · [Reply](#) · [View Tweet](#)



[kevinsweight](#): My weight: 215.8 lb. my weight today <http://withings.com>

about 1 hour ago from WiTwit · [Reply](#) · [View Tweet](#)



[wol1982](#): My weight: 72.1 kg. 自炊開始 <http://bit.ly/9O7eya> (expand)

<http://withings.com>

about 1 hour ago from WiTwit · [Reply](#) · [View Tweet](#)



UncleLo: My weight: 227 lb. 25 lb to go. according to my Withings scale

[Feed for this query](#)

[Tweet these results](#)

Show tweets **written in:**

[Any Language](#)

[Translate to English](#)

**Trending topics:**

- [#nowplaying](#)
- [#itsoverwhen](#)
- [Poland](#)
- [#StraitUp](#)
- [#iDoit2](#)
- [#FF](#)
- [#DoctorWho](#)
- [Harry Potter](#)
- [#TLS](#)
- [Doctor Who](#)

**Nifty queries:**

- [cool filter:links](#)
- ["is down"](#)
- [movie :\)](#)
- ["happy hour" near:SF](#)
- [#haiku](#)
- ["listening to"](#)
- [love OR hate](#)

# RunKeeper



## The Personal Trainer In Your Pocket.

RunKeeper makes tracking your workouts fun, social, and easy to understand so that you can improve the quality of your fitness.



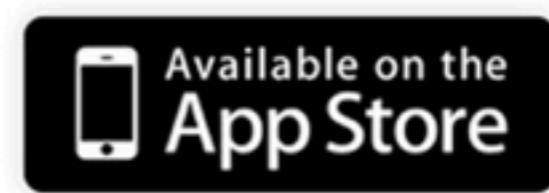
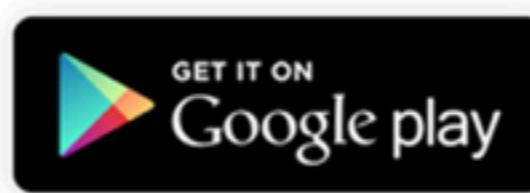
[Sign Up With Facebook](#)

or [Sign Up with Your Email](#)

---

**or Get the App**

---



**W3C**





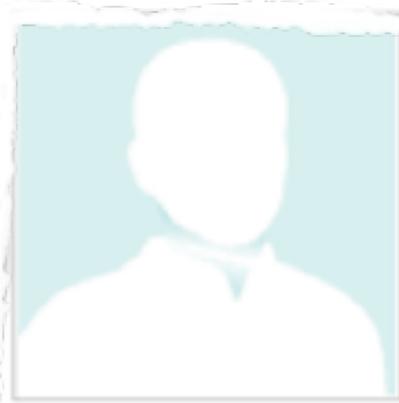
Connects with  Microsoft HealthVault™



LOCATIONS		
TIME	MEGAN	ROBER
11:00 AM	HOME	
12:30 PM	EASTVIEW ADULT TOY STORE	HOME
1:30 PM	HOME	
2:00 PM	LAKETOWN SEX TOY SHOP	SCHOOL
2:30 PM	HOME	
3:00 PM	FRY'S ELECTRONICS	
3:30 PM	ED'S POWER TOOL EMPORIUM	SUBWAY
4:00 PM	HOME	
4:10 PM	HOSPITAL BURN WARD	







jeff

Male

Joined Dec 9, 2010

jeff has not uploaded any pictures

Overall

Food

Activities

Weight

Journal

## Logged Activities

Fri, Dec 10

Select ▾

Activity	Distance	Duration	Cals	Fav
Sexual Activity	N/A	4 hours 15 minutes	347	★
Active, vigorous effort started at 2:00 pm				
Total	N/A	4 hours 15 minutes	347	

W3C



# Fitbit Moves Quickly After Users' Sex Stats Exposed

[+ Comment Now](#) [+ Follow Comments](#)

Over the holiday weekend, there were fireworks over at Fitbit.com after techie Andy Baio [noticed](#) that the self-trackers the company caters to were revealing their sexual activity stats online.

Angel-funded start-up Fitbit makes thumb-sized, plastic, accelerometer-equipped devices that track users' steps, sleep and calories burned. As I noted when I reviewed the device in February, you can also keep track of your exercise manually, [including sexual activity](#) — ranging from "passive, light effort" to "active and vigorous;" unfortunately, even at its most "difficult," it doesn't burn nearly as many ~~calories as the elliptical at the gym.~~

Active, vigorous effort  
started at 2:00 pm

Total	N/A	4 hours 15 minutes	347
-------	-----	--------------------	-----



The new Smart Hub allows you to seamlessly navigate through live TV, movies, streaming content, social networks, apps and more so you can enjoy everything you love in one place.



## Stay connected with who you love.

Instantly check Facebook and Twitter to see what your best friends are up to, plus make Skype calls with your favorite people using Smart TV's built-in webcam. It's never been easier stay connected.

\*Requires separate membership to sites.



On Tv



Movies & TV Shows



Photos, Videos,  
and Music



Social



Apps

Internet service required. Available Apps may vary by product, model, location and may require fees. Specifications and product information are subject to change.

[DISCOVER MORE OF THE NEW SMART HUB](#)



W3C



## Challenges - Functional API definition (2/2)

### User centric

- Remain connected (Social network, ...)
- Entertainment for all passengers (Audio, Video, ...)
- Easier daily life (Calendar, Yellow pages, ...)
- Help (BCall, HelpCall,..)

### Trip and car centric

- Trip optimization (Traffic, Parking...)
- Multimodality
- Save money (Eco-driving, PAYD, ...)
- Maintenance facilities (Manual, After-sales offers, ...)

Golf-Club auf 432

A: Hamburg Airport, Flughafenstr. 1-3, 22335 Hamburg, X  
B: Scandic Hotel Hamburg Emporio, Dammtorwall 19, 20318 Hamburg, S

Rel Naturschutzgebiet Raakmoor Popper Help & Fee

Options

Drive via B433 · 10.6 km 18 min Step-by-step Show traffic • Currently 21 min

Drive via B433 and Mittelweg · 10.3 km 18 min

Drive via B447 · 12.4 km 20 min

Drive via B433 · 10.6 km 18 min

Drive via B433 and Mittelweg · 10.3 km 18 min

Drive via B447 · 12.4 km 20 min

Drive 18 min 10.6 km

Drive 18 min 10.3 km

Scandic Hotel Hamburg Emporio

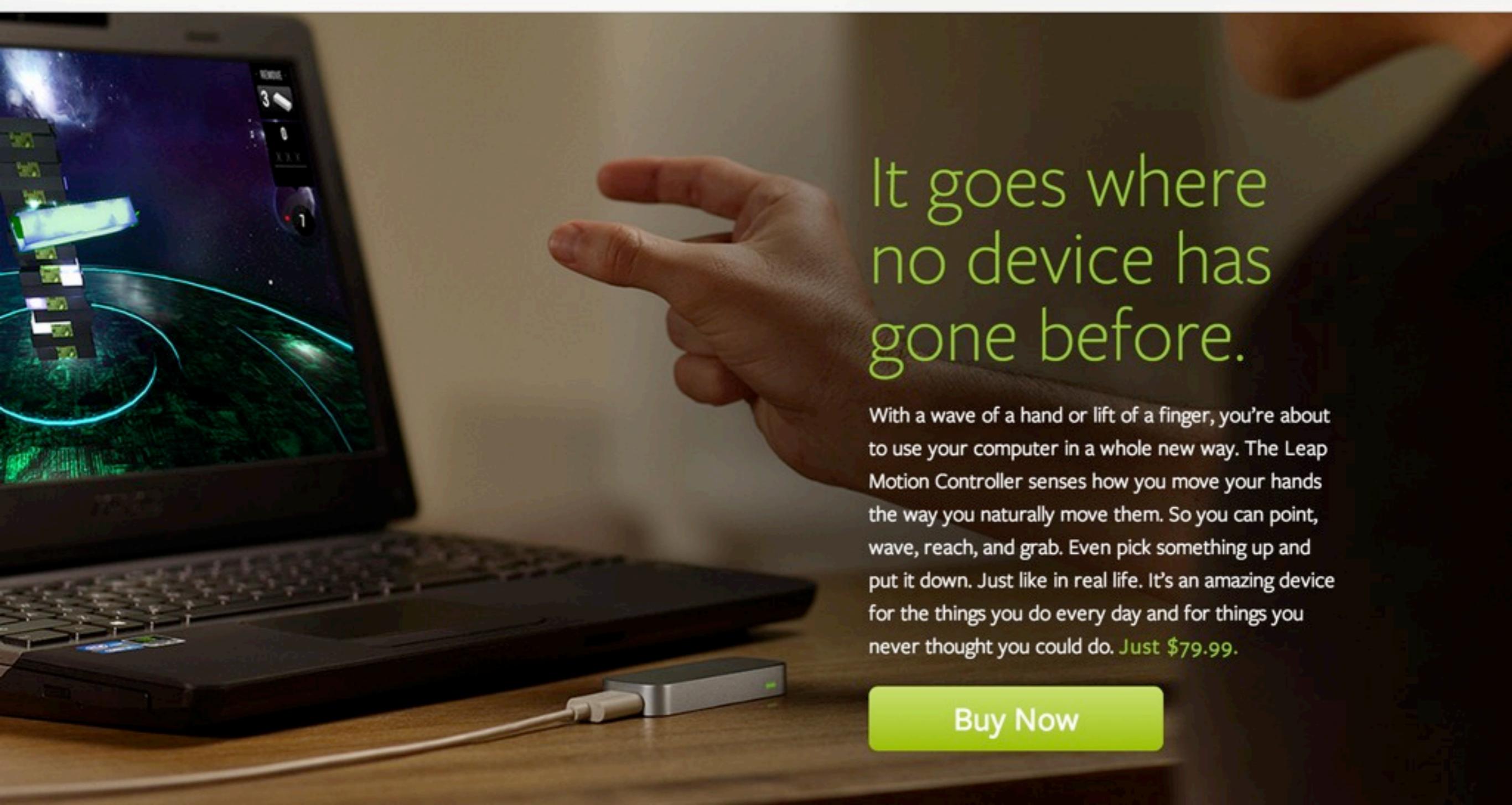
Earth

Google Kleiner Grasbrook

The map displays a route from Hamburg Airport (A) to Scandic Hotel Hamburg Emporio (B). The primary route is shown in blue, consisting of a segment via B433 (10.6 km, 18 min) and another segment via B433 and Mittelweg (10.3 km, 18 min). An alternative route via B447 is shown in orange and takes 20 minutes. The map includes labels for districts like Schenefeld, Lurup, Bahrenfeld, Osdorf, Stellingen, Eimsbüttel, Altona, and Wandsbek. Landmarks such as the Botanischer Garten, Altonaer Fischmarkt, and HafenCity are also visible. The Elbe river flows through the city. A legend at the top shows icons for car, bus, pedestrian, cyclist, and plane. A 'Step-by-step' button is available for the blue route. The 'Options' menu is open, showing the three route choices. The 'Show traffic' button indicates a current travel time of 21 minutes for the blue route.

Welcome to  
the Web!

# NEW INTERACTION MODELS

[OUR DEVICE](#)[APPS](#)[DEVS](#)[BLOG](#)[SUPPORT](#)[BUY](#)A photograph showing a person's hand interacting with a computer screen. The screen displays a 3D interface with glowing green and blue elements. The Leap Motion controller is connected to a laptop keyboard in the foreground. The text "It goes where no device has gone before." is overlaid on the right side of the image.

It goes where  
no device has  
gone before.

With a wave of a hand or lift of a finger, you're about to use your computer in a whole new way. The Leap Motion Controller senses how you move your hands the way you naturally move them. So you can point, wave, reach, and grab. Even pick something up and put it down. Just like in real life. It's an amazing device for the things you do every day and for things you never thought you could do. Just \$79.99.

[Buy Now](#)





# “Siri, where can I bury that body?”

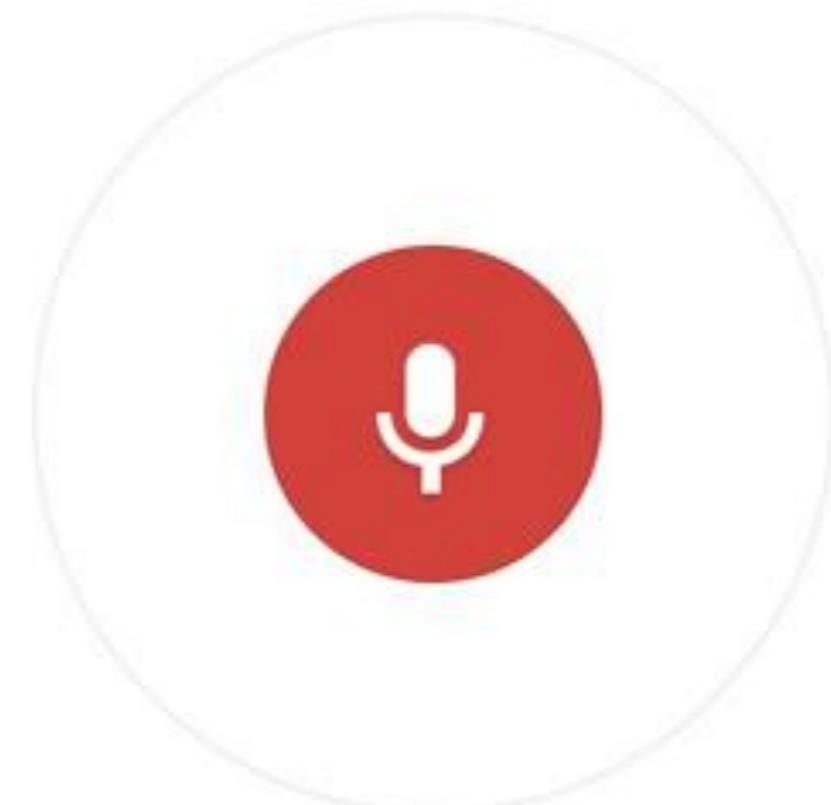


**Siri.** Beta  
Your wish is  
its command.

Siri lets you use your voice to send messages, schedule meetings, place phone calls, and more.\* Ask Siri to do things just by talking the way you talk. Siri is so easy to use and does so much, you'll keep finding more and more ways to use it.



Listening...



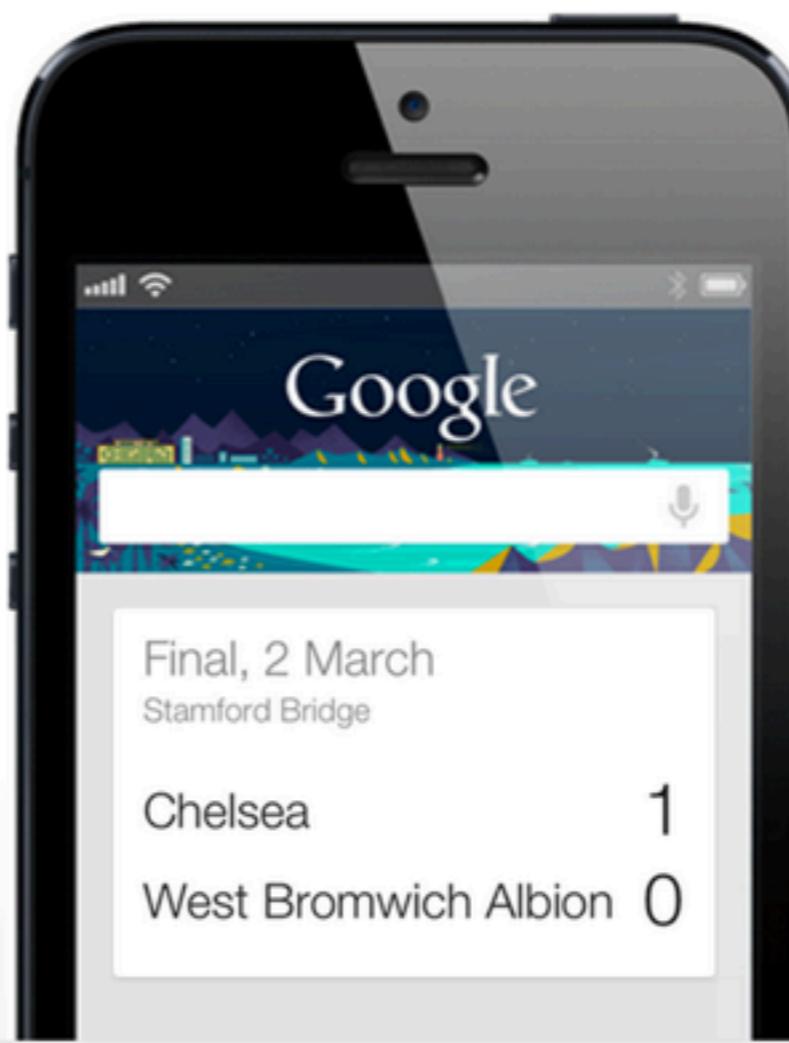
# NEW PERSONALIZATION MODELS



# Google Now. The right information at just the right time.

See helpful cards with information you need throughout your day, before you even ask.

 The Google Search App



## Sports

Get live scores for your favorite teams

# “Siri, where can I bury that body?”



**Siri.** Beta  
Your wish is  
its command.

Siri lets you use your voice to send messages, schedule meetings, place phone calls, and more.\* Ask Siri to do things just by talking the way you talk. Siri is so easy to use and does so much, you'll keep finding more and more ways to use it.





when does my flight arrive



Web

Images

Maps

Shopping

More

Search tools

About 24,700,000 results (0.98 seconds)



Flights

Only you can see these results

From Delta Air Lines

Delta Air Lines Flight 7514

SFO

SEA

Departs San Francisco, 6/9/13

Arrives Seattle, 6/9/13

Time

Terminal

Gate

Time

Terminal

Gate

W3C



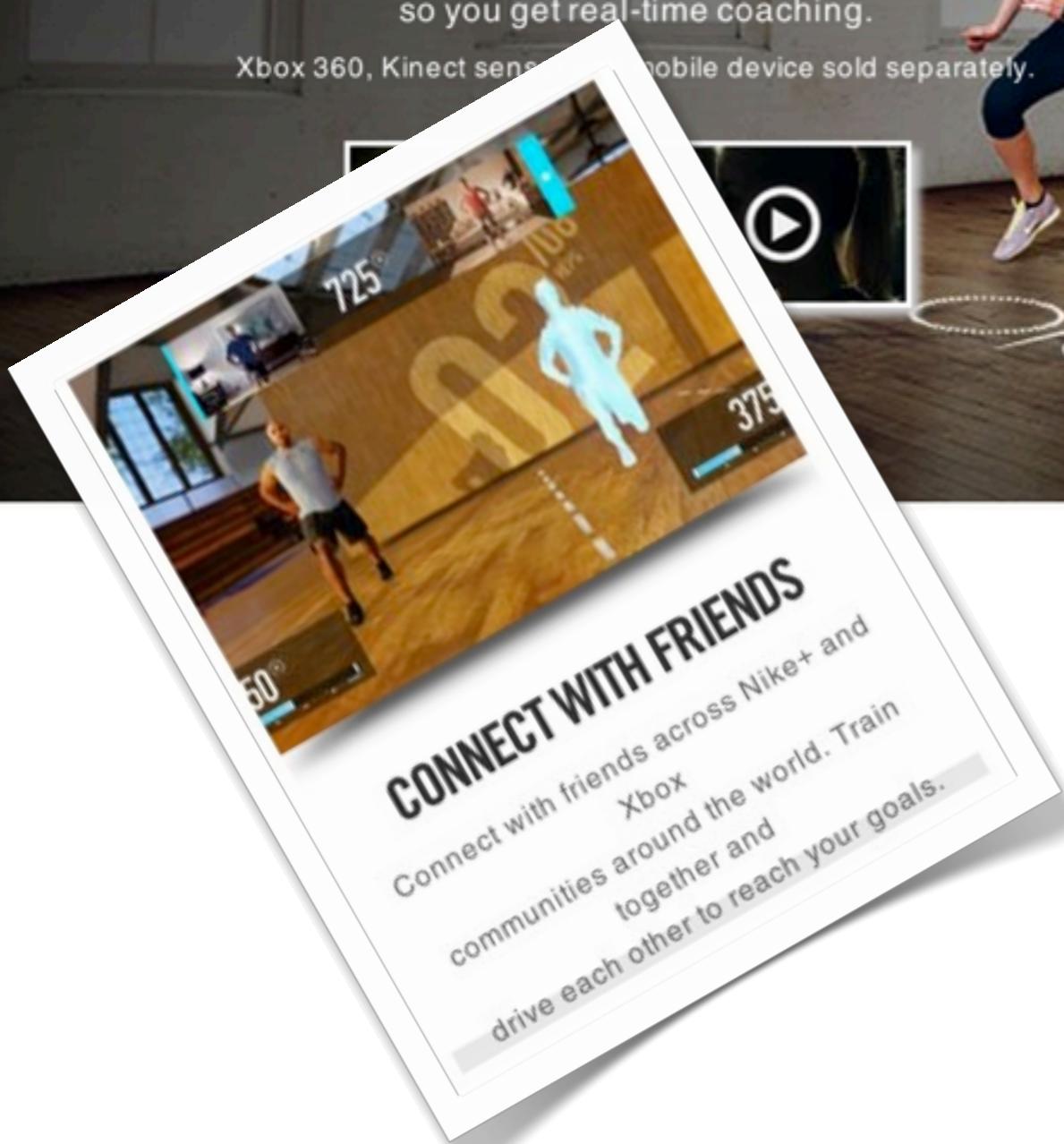
NIKE+ KINECT TRAINING : [Tweet](#)

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Personalized Nike Training, in your home.  
Kinect for Xbox 360 tracks your every move  
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# Take control with Smart Interaction



## Face Recognition

Easily log in to your Smart Hub profile by simply standing in front of your Smart TV's built-in camera. It will recognize your face, giving you instant access to the content it knows you love.

Click and drag to use face recognition.



Watch shows like *The Big Bang Theory* on CBS, *Suburgatory* on ABC and *Two and a Half Men* on CBS.

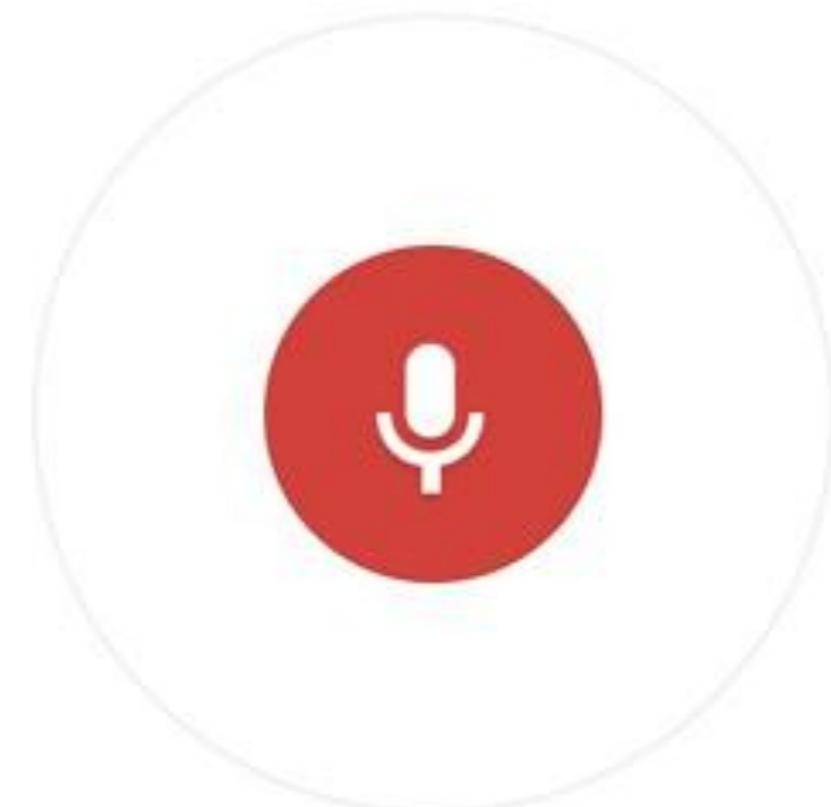


W3C



# CHALLENGES

Listening...





ok, glass.

set language  
cantonese

# NFC Ring

by John McLear

Home

Updates 8

Backers 7,078

Comments 537

Bradford, United Kingdom

Technology



**7,078**

backers

**£219,088**

pledged of £30,000 goal

**40**

hours to go

**Back This Project**

£1 minimum pledge

This project will be funded on Monday Aug 19, 8:30am EDT.

#### Funding period

Jul 20, 2013 - Aug 19, 2013 (30 days)

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[Embed](#)

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**W3C**



# Take control with Smart Interaction



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Watch shows like *The Big Bang Theory* on CBS,  
*Suburgatory* on ABC and *Two and a Half Men* on CBS.



W3C



universal today:  
passwords



**MON CERTIFICAT****Gestion certificat**

Activation  
Suspension  
Réactivation  
Révocation  
Prolonger (Rekey)

**Gestion password  
(Token & Solution SMS)**

Changer mot de passe  
Récupérer mot de passe

**Gestion PIN  
(Smartcard & Signing  
Stick)**

Changer PIN  
Débloquer PIN

**Statut du Certificat**

Test & Print

**SSL**

Récupération

[Mon certificat](#) > Procédure d'activation

# Procédure d'activation

Tous les produits LuxTrust doivent être activés avant la première utilisation.

## Choix du produit à activer

Veuillez sélectionner le produit que vous souhaitez activer:



(+352) 24 550 550



## MON CERTIFICAT

### Gestion certificat

- Activation
- Suspension
- Réactivation
- Revocation
- Prolonger (Rekey)

### Gestion password

#### (Token & Solution SMS)

- Changer mot de passe
- Récupérer mot de passe

### Gestion PIN

#### (Smartcard & Signing Stick)

- Changer PIN
- Débloquer PIN

### Statut du Certificat

- Test & Print

### SSL

- Récupération

[Mon certificat](#) > Procédure d'activation

## Procédure d'activation

Tous les produits LuxTrust doivent être activés avant la première utilisation.

Test de votre configuration en cours. Merci de patienter.

*Si le test de votre configuration n'aboutit pas au bout de 2 minutes, cela signifie que JAVA, indispensable pour utiliser votre produit LuxTrust, n'est pas correctement installé sur votre ordinateur.*

*Dans ce cas, cliquez [ici](#) pour installer gratuitement JAVA et recommencez ensuite la procédure d'activation.*

*Vous pouvez également consulter les guides d'installation/activation dans notre [rubrique FAQ](#).*



»



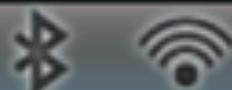
(+352) 24 550 550





John Smith | 8:26 AM | 25 °C

ONX



FLUID LEVELS

TRACTION SYSTEM

BRAKING SYSTEM

POWERTRAIN SYSTEM

ELECTRICAL SYSTEM



VEHICLE

00  
SC  
MAIN



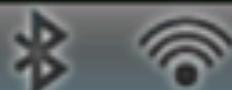
# execution context



# MULTI-TENANT DEVICES

John Smith | 8:26 AM | 25 °C

ONX



FLUID LEVELS

TRACTION SYSTEM

BRAKING SYSTEM

POWERTRAIN SYSTEM

ELECTRICAL SYSTEM



VEHICLE

00  
SC  
MAIN

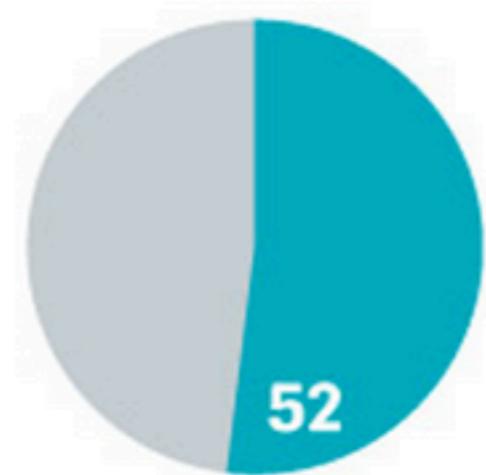


# authentication?

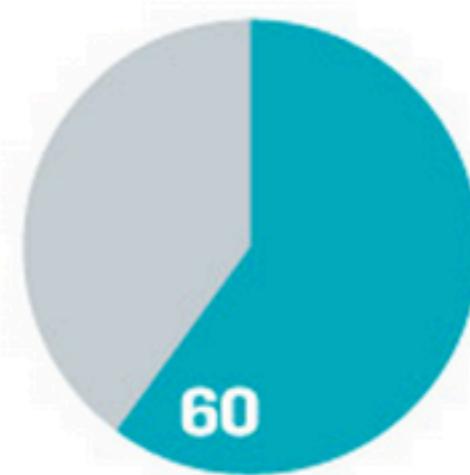
# privacy?

# control?

## And multiscreen use is rising



Among those with a TV and computer, 52% are somewhat or very likely to use another device while watching television, per IAB



Among those with a smartphone, TV and computer, 60% are multitasking



# multi-headed webapps

just another  
display?



# node-object-sync

---

[Check out a running demo of the test/ directory here](#)

node-object-sync transparently synchronizes objects across multiple connected clients. It's a low-level library that aims to take the pain out of synchronizing state across clients.

Many webapps and games offer a 'multiplayer' components (for webapps that would be called collaboration or social feature). Many such apps use socket.io for realtime communication and some other framework on top of that to manage models (views, controllers and whatever else). Oftentimes the glue between model-land and socket.io on the client and socket.io and the database on the server is a bunch of complicated custom code. node-object-sync is an attempt to replace that code with something more generic.

This is the first cut implementation. While there's still a lot to do, I think this is already pretty useful. Check out the test directory for a little game that has surprisingly little multiplayer networking code :)

Note: All examples and the implementation are in [coffee-script](#). CoffeeScript is great and you should probably use it. If you don't want to use CoffeeScript, you can easily convert it using the 'Try CoffeeScript' button on the aforementioned website.

***Any contributions are more than welcome***



also,  
authentication

# monetization & other observers

This has implications  
for advertisers trying to get consumers'  
attention as media multitasking  
is likely to grow more common



The new Smart Hub allows you to seamlessly navigate through live TV, movies, streaming content, social networks, apps and more so you can enjoy everything you love in one place.



## Stay connected with who you love.

Instantly check Facebook and Twitter to see what your best friends are up to, plus make Skype calls with your favorite people using Smart TV's built-in webcam. It's never been easier stay connected.

\*Requires separate membership to sites.



On Tv



Movies & TV Shows



Photos, Videos,  
and Music



Social



Apps

Internet service required. Available Apps may vary by product, model, location and may require fees. Specifications and product information are subject to change.

DISCOVER MORE OF THE NEW SMART HUB



W3C



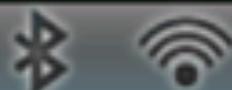


W3C



John Smith | 8:26 AM | 25 °C

ONX



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Google Chrome, Firefox Adding 'Do Not Track' Tools

http://www.huffingtonpost.com/2011/01/2

**THE HUFFINGTON POST**

FEBRUARY 7, 2011

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## Google Chrome, Firefox Adding 'Do Not Track' Tools

DANA WOLLMAN | 01/24/11 05:20 PM | 

Inspiring | Funny | Obsolete | Scary | Must-Have | Amazing | Innovative | Nerdy

Read More: [Chrome Do Not Track](#), [Firefox Do Not Track](#), [Firefox Tracking](#), [Google Chrome](#), [Google Chrome Do Not Track](#), [Google Chrome OS](#), [Technology News](#)

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NEW YORK — The Firefox and Google Chrome browsers are getting tools to help users block advertisers from collecting information about them.

Chris Fowler, a technology and privacy officer for Firefox maker Mozilla, said the "Do Not Track" tool will be the first in a series of steps designed to guard privacy. He didn't say when the tool will be available.

Google Chrome users can now download a browser plug-in that blocks advertisers — but only from ad networks that already let people decline personalized, targeted ads. According to Google Inc., these include the top 15 advertising networks, as rated by the research group comScore, a group that includes AOL Inc., Yahoo Inc. and Google itself.

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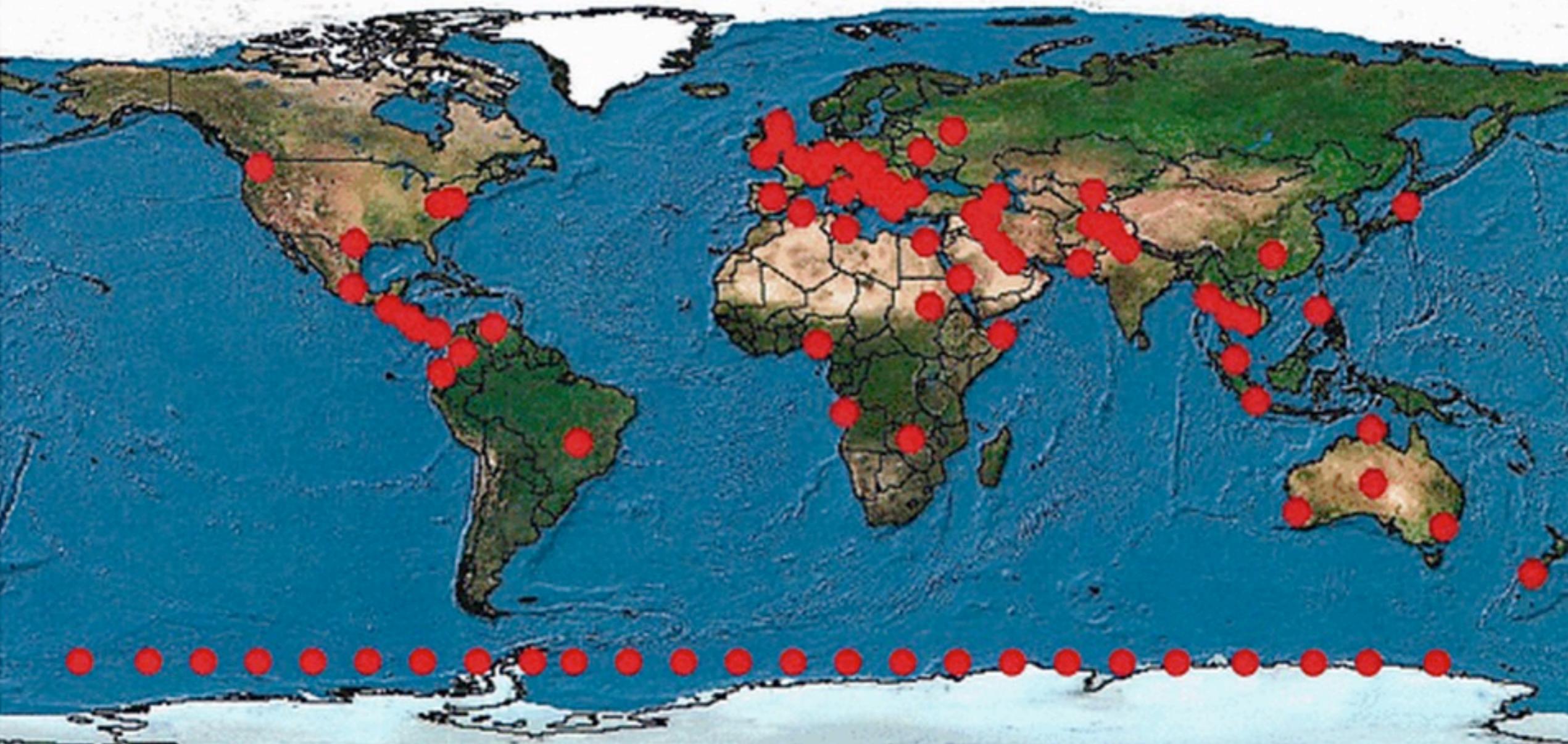
WATCH: Christina Aguilera Totally Messes Up National

# How to Prevent the 'Do Not Track' Arms Race

BY PETER SWIRE 04.24.13 8:00 AM



# Where is X-KEYSCORE?



Approximately 150 sites

Over 700 servers

TOP SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

our headaches for  
the next two years

**“devices”**  
**cars, TVs, your home**

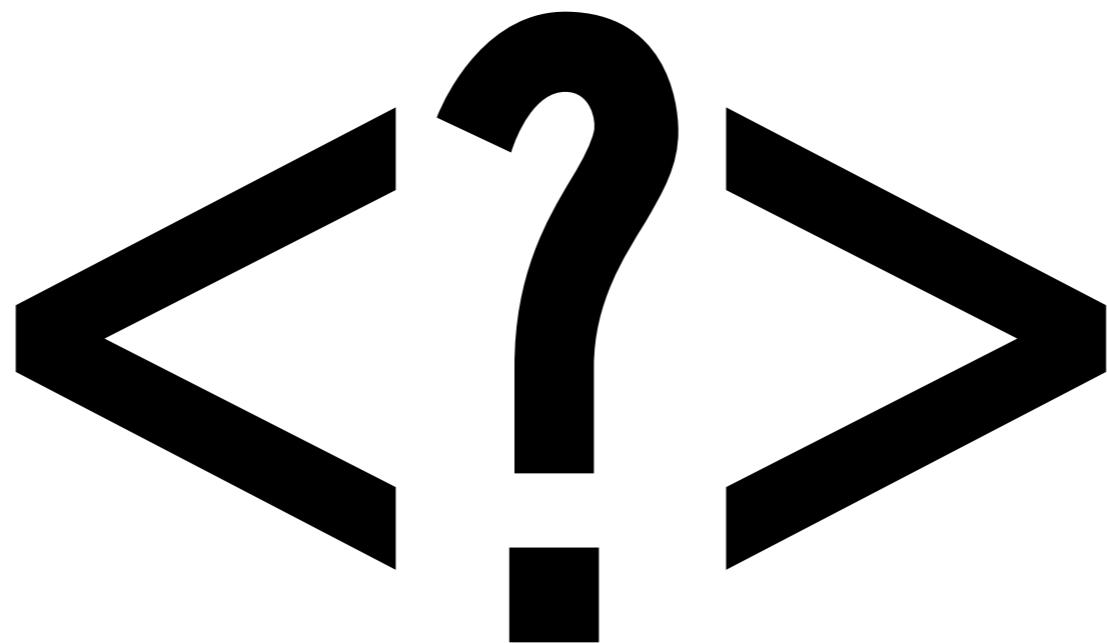
# new interactions

# web app execution & security models

# seamless authentication

p.s. predictions will turn out to be

wrong



@roessler / tlr@w3.org

roessler@gmail.com

