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.

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...

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.
DOM properties, CORS, XHR2, JSONP, Same-Origin

#alert(xss)

CORS, XHR2, JSONP

DOM

POSTMessage

HTTPS
new capabilities
(webRTC, hybi, ...
assets in the cloud
attacks on the Web
good-bye Web Security, welcome Web Application Security
Join the millions of businesses that have gone Google.

Each day, thousands of companies are going Google by switching to Google Apps—a suite of online productivity and collaboration applications. It's all hosted by Google, and designed with simplicity and reliability in mind—so you can say goodbye to the frustration and hassles of managing traditional IT solutions yourself. Find out how office web apps from Google can help you.

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

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

BigContacts CRM Will Help You...

Office Web Apps
HTTPS

DOM

#alert(xss)

CORS, XHR2, JSONP

DOM properties, IFrames

Same-Origin

PostMessage

TOOR

SIMPLE

(slots by @hillbrad)

TOO SIMPLE.
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.
TIZEN

TIZEN APP CHALLENGE
$4,040,000 IN PRIZES
Learn More

TIZEN 2.2
RELEASE

Download the latest Tizen SDK for your application today.

DOWNLOAD THE SDK
JavaScript right on the hardware.

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

your@emailaddress

Submit
HTML5 / JS as Application Platform
Trusted Applications
App Stores Reviews
Device Features
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.
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)

```javascript
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.');
    }
}
```
Overall IVI Architecture for Vehicle APIs

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
JavaScript access to platform services

HTML5 applications

- JS wrapper
  - Media control
  - Media detection
  - Track status
  - PPS
  - Multimedia
    - Metadata
    - Codecs
    - Devices

- JS wrapper
  - Tune
  - Status RDS
  - PPS
  - Radio
    - DSP

- JS wrapper
  - Dial
  - Call
  - PPS
  - Phone
    - Bluetooth

- JS wrapper
  - PTT
  - Prompts
  - PPS
  - ASR
    - Voice Engine
Access Control Enforcements on Tizen WebApps

- **SMACK Sandbox Example Flow**
  - Widget A contains this code snippet
    ```javascript
    ... 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*)

- **SMACK Policy**
  - `com.tizen.widgetA` and `com.tizen.widgetB` are enforced with restrictions.
  - `contacts` domain is restricted.

- **API References**
  - [http://tizen.org/api/tizen](http://tizen.org/api/tizen)
  - [http://tizen.org/api/contact.read](http://tizen.org/api/contact.read)
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

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, ...)
- Easier daily life (Calendar, Yellow pages, ...)
- Help (BCall, HelpCall, ...)
- Trip optimization (Traffic, Parking...)
- Multimodality
- Save money (Eco-driving, PAYD, ...)
- Maintenance facilities (Manual, After-sales offers, ...)

User centric

Trip and car centric
Challenges - Functional API definition (2/2)

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Renault - DREAM  
14-15 Nov 2012  
RENAULT PROPERTY  
9  
DRIVE THE CHANGE  
RENAULT
THE WEB as Programming Platform
Connected
Linked
Mashed-up
6 minutes ago from WiTiw · Reply · View Tweet

metabonow: わたしの体重: 67.7 kg. 測定なら！ http://withings.com
8 minutes ago from WiTiw · Reply · View Tweet

LifeMeasure: My weight: 186.7 lb. 17.7 lb to go. http://withings.com
12 minutes ago from WiTiw · Reply · View Tweet

32 minutes ago from WiTiw · Reply · View Tweet

44 minutes ago from WiTiw · Reply · View Tweet

kevinsweight: My weight: 215.8 lb. my weight today http://withings.com
about 1 hour ago from WiTiw · Reply · View Tweet

about 1 hour ago from WiTiw · Reply · View Tweet

Heclo!: My weight: 287 lb. 25 lb to go, according to my Withings scale
about 1 hour ago from WiTiw · Reply · View Tweet
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

Available on the App Store
Logged Activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Distance</th>
<th>Duration</th>
<th>Cals</th>
<th>Fav</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sexual Activity</td>
<td>N/A</td>
<td>4 hours 15 minutes</td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>Active, vigorous effort started at 2:00 pm</td>
<td>N/A</td>
<td>4 hours 15 minutes</td>
<td>347</td>
<td></td>
</tr>
</tbody>
</table>

Total | N/A | 4 hours 15 minutes | 347  |
Fitbit Moves Quickly After Users' Sex Stats Exposed

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.

<table>
<thead>
<tr>
<th>Active, vigorous effort started at 2:00 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
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
Challenges - Functional API definition (2/2)

- Remain connected (Social network, ...)
- Entertainment for all passengers (Audio, Video, ...)

User centric

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- Help (BCall, HelpCall,...)

Trip and car centric

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

Renault - DREAM
14-15 Nov 2012

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NEW INTERACTION MODELS

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.
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

- Get it on Google Play
- Download on the App Store

Sports
Get live scores for your favorite teams

Final, 2 March
Stamford Bridge

Chelsea 1
West Bromwich Albion 0
“Siri, where can I bury that body?”

Siri.  
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.
Google

when does my flight arrive

About 24,700,000 results (0.98 seconds)

From Delta Air Lines

Delta Air Lines Flight 7514

SFO  SEA

Departs San Francisco, 6/9/13  Arrives Seattle, 6/9/13
NIKE+ KINECT TRAINING

Personalized Nike Training, in your home. Kinect for Xbox 360 tracks your every move so you get real-time coaching.

Xbox 360, Kinect sensor, and mobile device sold separately.

CONNECT WITH FRIENDS

Connect with friends across Nike+ and Xbox communities around the world. Train together and drive each other to reach your goals.
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.
CHALLENGES
ok, glass: set language cantonese
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universal today: passwords
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:

- Smartcard
- Signing Stick
- Signing Server (Token)
- Signing Server (SMS)
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.
execution
context
MULTI-TENANT DEVICES
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.

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DISCOVER MORE OF THE NEW SMART HUB
Google Chrome, Firefox Adding 'Do Not Track' Tools

NEW YORK — The Firefox and Google Chrome browsers are getting tools to help users block advertisers from collecting information about them. James J. Bowler, 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 users' 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 Inc.
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
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