



Sponsors

DIAMOND



























PLATINUM



























Training Partners













IS





Wellness Partners















Partner Conferences











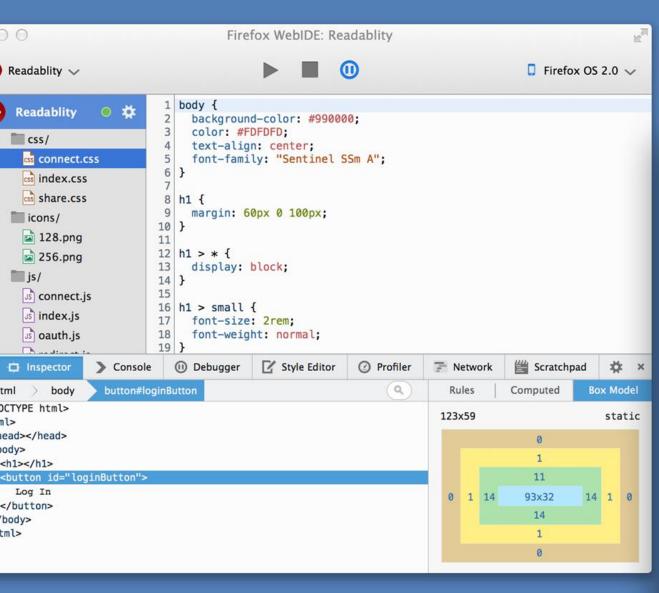


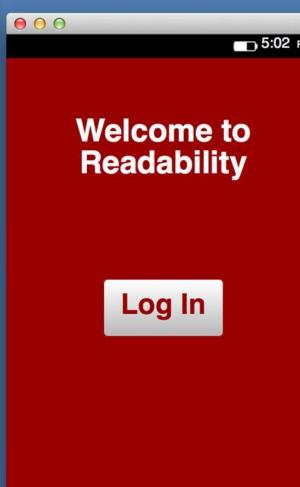












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HOME NEW POPULAR **CATEGORIES** ▼









Great Games







Hextris Free Free



White 1 Free







Nappa adve... Free

Quadz

Free

Box It Free

View all apps

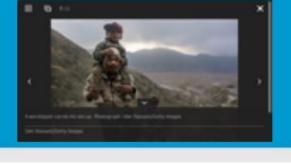


Dailymotion Dailymotion ****











PF

PhotoFunia

FireSketch

Free

Get Creative





Paint

Free

Free



Guitar-Effects

Free



Canvas



Free





Some Facts

- 12 smartphones
- 13 operators
- 24 countries

India

- Intex Cloud FX
 - 2 MP Rear camera
 - Spd 6821 1.0GHz
 - RAM-128MB
 - ROM-256MB
 - Display-3.5"HVGA
 - Dual SIM
 - 1250mAh (Li-ion)
 - Bluetooth/Wi-Fi
- Price?



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29 March 2012



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Booting to the Web

Mozilla believes that the web can displace proprietary, single-vendor stacks for application development. To make open web technologies a better basis for future applications on mobile and desktop alike, we need to keep pushing the envelope of the web to include --- and in places exceed --- the capabilities of the competing stacks in question.

We also need a hill to take, in order to scope and focus our efforts. Recently we saw the pdf.js project expose small gaps that needed filling in order for "HTML5" to be a superset of PDF. We want to take a bigger step now, and find the gaps that keep web developers from being able to build apps that are --- in every way --- the equals of native apps built for the iPhone, Android, and WP7.

To that end, we started a project we're calling Firefox OS, formerly Boot to Gecko m (B2G), to pursue the goal of building a complete, standalone operating system for the open web. It requires work in a number of areas.

- New web APIs: build prototype APIs for exposing device and OS capabilities to content (Telephony, SMS, Camera, USB, Bluetooth, NFC, etc.)
- Privilege model: making sure that these new capabilities are safely exposed to pages and applications
- Booting: prototype a low-level substrate for mobile devices (phones and tablets)
- Applications: choose and port or build apps to prove out and prioritize the power of the system.

We will do this work in the open, we will release the source in real-time, we will take all successful additions to an appropriate standards group, and we will track changes that come out of that process. We aren't trying to have these native-grade apps just run on Firefox, we're trying to have them run on the web.

This page was last modified on 21 July 2012, at 14:12.

This page has been accessed 22,790 times.

Privacy policy About MozillaWiki







Apps, Apps, Apps!

```
"name": "My App",
    "description": "My elevator pitch goes here",
    "launch_path": "/index.html",
    "icons": {
        "512": "/img/icon-512.png",
        "128": "/img/icon-128.png"
},
    "developer": {
        "name": "Your name or organization",
        "url": "http://your-homepage-here.org"
},
    "default_locale": "en"

https://developer.mozilla.org/en-US/Apps/Build/Manifest
```

Web APIs

API	Description	Standardization	Availability		ility	See also
WebTelephony	Allow placing and answering phone calls as well as build incall UI.	W3C ED (SysApps)	D	A	В	bug 674726, Security
II VIDESTION API	Control device vibration for things like haptic feedback in games. Not intended to solve things like vibration for notification.	W3C CR (Device APIs)	D	A	В	bug 679966, Security
WebSMS	Send/receive SMS messages as well as manage messages stored on device.	W3C ED (SysApps)	D	A	В	bug 674725, Security
Idle API	Get notifications when user is idle.	Needs plan	D	A	В	bug 715041, Security
Screen Orientation	Get notification when screen orientation changes as well as control which screen orientation a page/app wants.	W3C WD (WebApps)	D	A	В	bug 720794 bug 740188 bug 673922, Security
	Set system-wide configurations					bug

https://wiki.mozilla.org/WebAPI

Web APIs (hosted apps)

- Vibration API
- Screen Orientation
- Geolocation API
- Mouse Lock API
- Open WebApps
- Network Information API
- Battery Status API
- Alarm API
- Push Notifications

API

- WebFM API / FMRadio
- WebPayment
- IndexedDB
- Ambient light sensor
- Proximity sensor
- Notification

Battery API

```
var battery = navigator.battery || navigator.mozBattery || navigator.webkitBattery;

function updateBatteryStatus() {
    console.log("Battery status: " + battery.level * 100 + " %");

if (battery.charging) {
    console.log("Battery is charging");
    }

battery.addEventListener("chargingchange", updateBatteryStatus);
battery.addEventListener("levelchange", updateBatteryStatus);
updateBatteryStatus();
```

Web APIs (privileged apps)

- Device Storage API
- Browser API
- TCP Socket API
- Contacts API
- systemXHR

```
1 // first way: setting the properties directly
var person = new mozContact();
                                                    Contacts API
 person.givenName = ["John"];
  person.familyName = ["Doe"];
  person.nickname = ["No kidding"];
  // second way: using a value object
8 var contactData = {
    givenName: ["John"],
    familyName: ["Doe"],
    nickname: ["No kidding"]
12 };
14 var person = new mozContact(contactData); // Firefox OS 1.3 takes a parameter to initialize the object
15 if ("init" in person) {
    // Firefox OS 1.2 and below uses a "init" method to initialize the object
    person.init(contactData);
  // save the new contact
var saving = navigator.mozContacts.save(person);
23 saving.onsuccess = function() {
    console.log('new contact saved');
   // This update the person as it is stored
    // It includes its internal unique ID
    // Note that saving.result is null here
28 };
30 saving.onerror = function(err) {
    console.error(err);
```

32 };

Web APIs (certified apps)

- WebTelephony
- WebSMS
- Idle API
- Settings API
- Power
 Management API
- Mobile Connection
 API

- WiFi Information API
- WebBluetooth
- Permissions API
- Network Stats API
- Camera API
- Time/Clock API
- Attention screen
- Voicemail

Web Activities to the rescue!

- configure
- costcontrol
- dial
- open
- pick
- record
- save-bookmark

- share
- view
- new, f.e type:"websms/sms" or"webcontacts/contact"

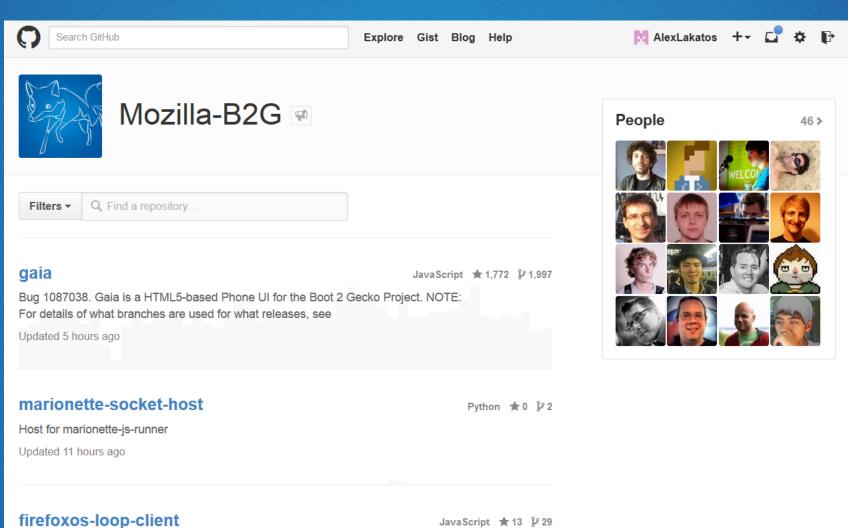
Sending a picture to your app

```
var activity = new MozActivity({
    // Ask for the "pick" activity
    name: "pick",
    // Provide the data required by the filters of the activity
    data: {
     type: "image/jpeg"
  activity.onsuccess = function() {
    var picture = this.result;
    console.log("A picture has been retrieved");
16 activity.onerror = function() {
   console.log(this.error);
18 };
```

They work on Android!



Write some code!



Firefox OS client for the Loop service

Updated 15 hours ago

https://github.com/mozilla-b2g

Test, test, test!



AVAILABLE TASKS



mozilla 🗸

Contribute to Mozilla QA - One task at a time, One day at a time.

One and Done gives users a wide variety of ways to contribute to Mozilla. You can pick an easy task that only takes a few minutes - or take on a bigger challenge. This includes working on manual testing, automation, bug verification, mobile testing and more. Tasks are from all QA teams - so you can get involved with Automation, Firefox OS, Desktop Firefox, Mozilla websites, Services, or Thunderbird.



Tasks

Exploratory Testing for Mozillians

Exploratory Manual UI Testing for Mozillians

Firefox OS Exploratory Testing

Tell us how it feels to use Firefox OS in your daily life.

Firefox OS Integrated Browser

Help us test the complete integration of the browser into Firefox OS

Firefox OS Rocketbar

Help us test the complete integration of search into Firefox OS

https://oneanddone.mozilla.org/

Simulate!





CODECAMP



FEEDBACK

Thanks

Alex Lakatos Xoomworks Tech Lead @lakatos88

Slides:

https://alexlakatos.github.io/slides/codecamp/slides.pdf

CODECAMP

