

# PORTING CORDOVA TO TIZEN

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# SUMMARY

- Intel and Cordova
- Tizen
- Cordova port
- Current Status
- Get More Information?
- Next Steps

# INTEL AND CORDOVA

- Intel Open source Technology Center (OTC)
- A long term Community Member  
(Apache CLA, events sponsoring)
- Intel Engineers involved  
(Apache ICLAs, Contributors, Committers)
- Involved in several platform ports  
(Tizen, Windows 7, Windows 8 [Metro?])
- Cordova Build system
- Cordova Applications portfolio
- Attract Developers to Tizen



# TIZEN™

- **A Linux Foundation Project**
- Supported by Intel OTC & Samsung
- A growing Community of Developers
- A Web Runtime based on webkit
- Enriched by a Set of Web APIs, from W3C, from Khronos Group and others and Tizen Device APIs
- No native APIs
- Web applications: HTML5/CSS3/JS/jQuery/jQuery Mobile, Tizen UI widgets
- **Tizen 1.0 Larkspur SDK**, (Eclipse, **Rapid Interface Builder(RIB)**, **Web Simulator(RIM/Ripple)**, Device Emulator (quemu))
- Tizen Source Code

*“ The browser is your operating system. ”*

# TIZEN™ SDK

- **Tizen 1.0 Larkspur SDK**
- Available at [www.tizen.org](http://www.tizen.org)
- Eclipse IDE
- Webkit debug tools
- Qemu to emulate a device
- Tizen Rapid Interface Builder **(RIB)**
- Tizen Web simulator, based on **RIM/Ripple**
- No native APIs

# CORDOVA PORT

- Using new Cordova.js JavaScript API
- A Shimlayer (Adaptor & Proxy Design Patterns)
- Rely on Tizen Web APIs
- Most Cordova API covered
- No native plug-ins

# CORDOVA PORT TO TIZEN, CURRENT STATUS

- A first release
- Already in repositories
- Tizen specific documentation was added
- New format for the platform repository: incubator-cordova-tizen
  
- **incubator-cordova-js**
- **the tizen plugin**
- **incubator-cordova-tizen**



# CORDOVA API COVERAGE ON TIZEN

Accelerometer:W3C Device Motion API

Compass:W3C Device Orientation API

Connection:Tizen Device Information API

Contacts:Tizen Device Contacts API

Device:Tizen System Information API

File:W3C File, Directories, Writer API

Geolocation:W3C Geolocation API

Media:HTML5 Audio tag, no recording

Notification:W3C Vibrate, HTML5 Audio, Custom Dialogs

Storage:W3C WebStorage, WebSQL Database

# CORDOVA API COVERAGE ON TIZEN

**Events:**power, on/off line events ok, key and App status events not supported

**Camera:**not yet supported

**Capture:**not yet supported

## CORDOVA PORT TO TIZEN, INTEL TEAM

- Christophe Guiraud, Senior Software Engineer, christophe.guiraud@intel.com, cguiraud
- Regis Merlino, Senior Software Engineer, regis.merlino@intel.com, rmerlino
- Paul Plaquette, Senior Software Engineer paul.plaquette@intel.com, pplaquette

# GET MORE INFORMATION ?

Tizen Community

- [www.tizen.org](http://www.tizen.org)
- [Tizen mailing lists](#)

Cordova Community

- [Cordova mailing list](#)
- [Apache Cordova Web site](#)

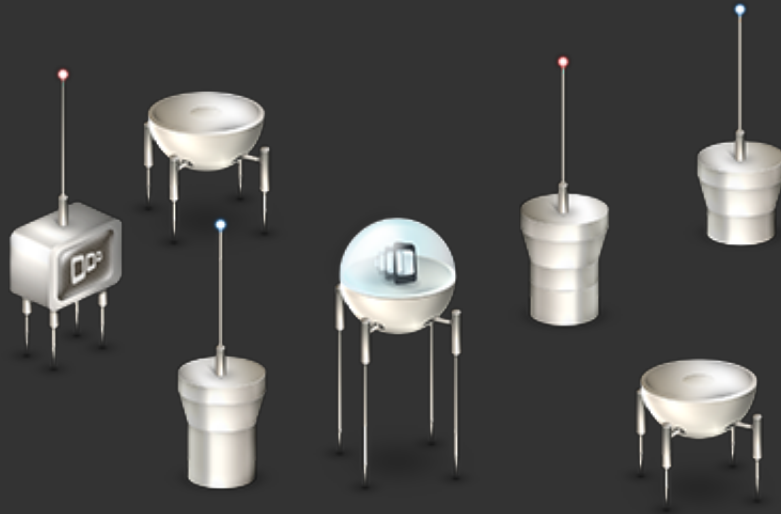
Others

- [Intel OTC 01.org & 01.org Cordova page](#)
- [Tizen Association, an industry consortium](#)
- [Tizen Experts, a news web site](#)

# NEXT STEPS

- Pass mobileSpec tests
- Cordova build integration
- Follow new Tizen SDK delivery
- Follow Cordova.js evolution
- Reconcile Tizen and Cordova evolutions as needed
- May be plug-ins (or not) depending on Tizen SDK evolution

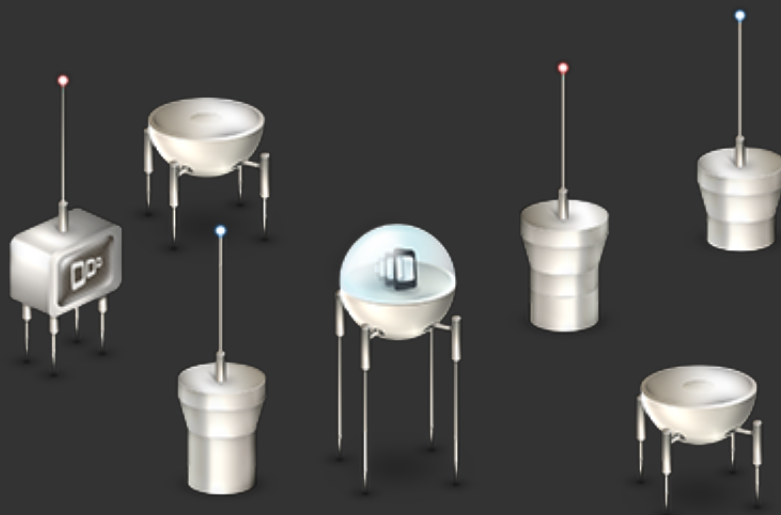
# PORTING CORDOVA TO TIZEN



**TIZEN™**



# Q&A



**TIZEN™**



- <http://www.linuxfoundation.org/>
- <https://www.tizen.org/>
- <https://developer.tizen.org/sdk>
- <https://www.tizen.org/community/mailing-lists>
- <https://01.org/rib/>
- <https://01.org/html5webapps/>
- <https://01.org/projects/cordova>
- <https://01.org/web-simulator/>
- <http://blackberry.github.com/ripple/index.html>
- <http://incubator.apache.org/cordova/#mailing-list>
- <http://incubator.apache.org/cordova/>
- <http://incubator.apache.org/cordova/#mailing-list>
- <https://github.com/apache/incubator-cordova-js>
- <https://github.com/apache/incubator-cordova-js/tree/master/lib/tizen/plugin/tizen>
- <https://github.com/apache/incubator-cordova-tizen>
- <http://www.tizenassociation.org/en/>
- <http://www.tizenexperts.com/>
- <http://www.tizenexperts.com/>



