PORTING CORDOVA TO TIZEN
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Paul Plaquette,
Senior Software Engineer,
Intel Open Source Technology Center
paul.plaquette@intel.com
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
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 1.0 Larkspur SDK**
• Available at 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
- 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
- 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://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-tizen
- http://www.tizenexperts.com/
- http://www.tizenexperts.com/