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HTML5 in a Plasma Active World

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Overview

- What is WAC?
- What so special about HTMLv5?
- Plasma Active, which is... ?
- What is this all about?
- Who really cares?
- So what did you do?
- What's supported now and how does it work?
- Again why do I care?
- Conclusions???
- So what's next?
What is this all about?

- Linux SDK
- HTML5 and WAC
- Qt/Plasma Quick
- Linux mobile devices
What is WAC?

- WAC == Wholesale Applications Community
- An open global alliance made up of the world’s largest mobile phone network operators and manufacturers and is dedicated to making life easier for developers to create and distribute compelling digital content.

- WAC has a few versions of its specifications
  - v1.x JIL (Joint Innovation Lab)
  - v2.x JavaScript
    - Recently added GSMA's OneAPI support
What so special about HTML v5?

<!doctype html>
No more Googling to remember what doctype looks like, it has been simplified to this...

<meta http-equiv="content-type" content="text/html"; charset="utf-8">
Meta tag no long needs http and html content description...

<link type="text/css" rel="stylesheet" href="nofoo.css"> CSS is now default style

<script type="text/javascript" src="nofoo.js"></script>
JavaScript is now default scripting language

Native support for audio and video, tags, tags, tags, descriptive markup, new <canvas> to provide better graphics and animations, better offline access, client side storage, lots of new stuff in CSS, types, types, types, and of course better mobile layout support, etc...
Plasma Active, which is...?

- Plasma Active aims at creating a cross-device user experience for emerging devices such as tablet computers, media centers, smartphones, and more...

- UX environment built using Qt and Qt Quick, KDE plasma and a few other KDE libraries
- Common Linux desktop stack (Linux kernel, Qt and KDE's Plasma Framework)
- UI, Plasma Quick (Plasmoids supported)

Project details...
http://community.kde.org/Plasma/Active
What is this all about?

- Linux SDK
- HTML5 and WAC
- Qt/Plasma Quick
- Linux mobile devices
Who really cares?

- Designers
- Developers
- OEM, Vendors
- Community (at least I do)
So what did you do?

- WeTab, Archos 101G9, Advent Vega hardware platforms
- MeeGo 1.2 OS, Mer OS
- Plasma Active Two UI Toolkit
- webRTC
What's supported now and how does it work?

- WAC 2.0 but missing some system API's support
- Partial HTML5 on MeeGo 1.2, fully support on latest Mer build
- Widgets HTML, C++, QML, Python etc. in the same canvas (almost seemlessly)
Again why do I care?

- WAC is not there yet
- HTML5 is a big spec
- All WebKits are not equal
Conclusions???

- WebKit 1.x missing bits
- Qt Quick 1.x not really HTML5
- Hardware CPU bound
- Plasma Active performance
So what's next?

- Qt 5.x
- Faster Hardware
- Optimized Plasma Active
- Larger HTML5 features
- WAC support description
- webRTC API's and WAC
How can I help?

- **Plasma-Active**
  - [http://plasma-active.org/](http://plasma-active.org/)
  - mailing list: active@kde.org

- **WebKit**
  - [http://www.webkit.org/](http://www.webkit.org/)
  - mailing list: webkit-dev@webkit.org

- **W3C**
  - [http://www.w3.org/](http://www.w3.org/)

- **WAC**
  - [http://www.wacapps.net/](http://www.wacapps.net/)
Quick Facts basysKom

- **Business focus**
  High Quality Embedded Development Services
  Reliable Partner for Realizing Innovative Products

- **Owner**
  Dr.-Ing. Eva Brucherseifer
  KDE e.V. President 2005 - 2007

- **Team**
  45
  25 Certified Qt Developers, thereof 6 Qt Specialists, 2 Qt Ambassadors

- **Locations**
  Darmstadt, Germany (Headquarter)
  Nürnberg, Germany
  California, US (planned)

- **Milestones**
  2003 Market entry
  2004 first Embedded project, Qt based
  2005 Qt Partner
  2005 first browser software project
  2008 first project in the mobile market
  2010 founding member of Plasma Active
  2011 offering WebKit & HTML5 development
Contact

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