

# The Open Web Platform and Automotive

Telematics Update Webinar

*27 March 2013*

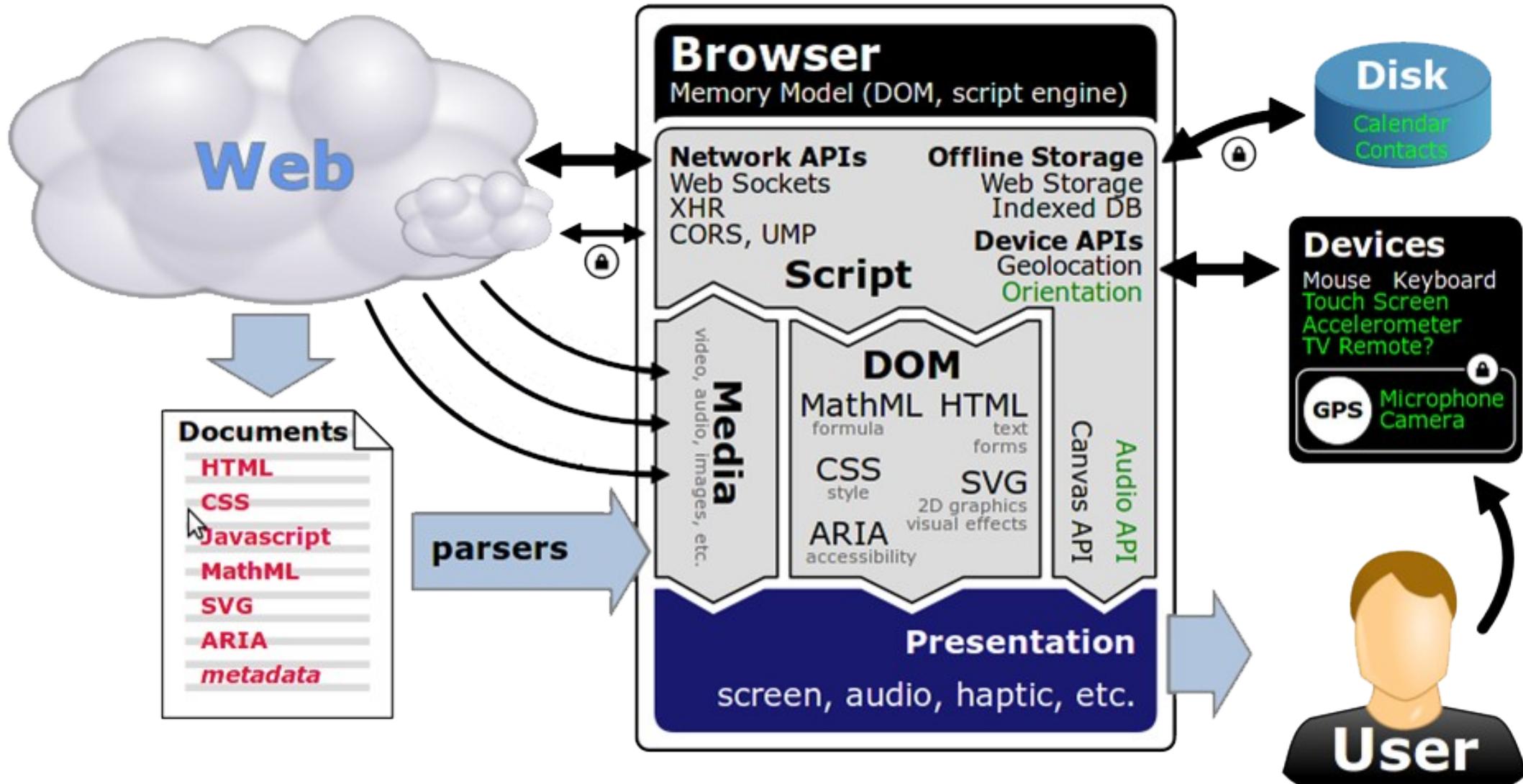
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# The Open Web Platform

## **CODE ONCE, REACH PEOPLE EVERYWHERE.**



# The Open Web Platform



# Open Web Platform

- Communicate with HTTP, Web Sockets, XML and JSON
- Markup with HTML5
- Style sheets with CSS
- Rich graphics
  - JPEG, PNG, GIF
  - Canvas and SVG
  - Audio and Video
- Scripting with JavaScript
  - Expanding range of APIs
- Designed for the World's languages
- Accessibility with support for assistive technology



# Advantages of the Open Web Platform

- HTML5 and the Open Web Platform as the obvious choice when you want to reach out to many devices
  - Non-proprietary open standards, that can be implemented free of royalties
  - Huge pool of developers
  - Reduced learning curve, and lower costs!
- New – HTML for system applications
  - Trusted apps with rich connection to the device
    - <http://www.w3.org/2012/sysapps/>

# Other related work

- Rich set of application APIs
  - Geolocation for location aware applications
  - Network information (wifi or mobile)
  - Ability to process and synthesize audio streams directly in script.
  - Web cryptography
  - And many more ...
- New work on testing, performance, and payment APIs
- Work on speech APIs
  - Both local and remote speech processing
- Multiscreen support
  - Head unit, smart phone, head up display

# W3C Web & Automotive Workshop



[WEB AND AUTOMOTIVE]  
**Shift into High Gear  
on the Web**

**W3C WORKSHOP**  
**14-15 NOVEMBER 2012, ROME, ITALY**  
HOSTED BY INTEL



- <http://www.w3.org/2012/08/web-and-automotive/>

# Web & Automotive Workshop

- Key topics for discussion
  - Putting safety first
  - Relationship between car and mobile phone
  - Creating markets for automotive applications
  - Improving quality and reducing costs through Web technologies
  - Unique opportunities for the automotive user experience
- Main outcome of workshop – launch of Business Group

# Workshop Participants

- ACCESS, AKQA, Alpine Electronics, Audi, Black Duck, BMW, Bosch, CSC, Delft Uni Technology, Ericsson, eSolutions, DFKI, Harman Automotive, Hitachi, Honda R&D, Hyundai Motor, Igalia, Intel, jambit, KDDI, LG Electronics, Magneti Marelli, GENIVI, Mitsubishi, NTT DoCoMo, PayPal, QNX, Renault, RIM, SciSpike, SMK, Strategy Analytics, Toyota, VALCON, Visteon, Vodafone, Volkswagen and W3C

# Web & Automotive Workshop



- Co-chaired by Adam Abramski, Intel Open Source Technology Center, and Dave Raggett, W3C
- 36 papers submitted, 67 participants, 21 presentations over 2 days
- See [workshop summary report](#)

# Automotive and Web Platform Business Group

- Feed needs of automotive industry into work on the Open Web Platform
- Help automotive industry to understand how to engage effectively in W3C standards work
- Initial focus on application API for exposing appropriate vehicle data
  - **Deliverables:** specification, test suite and non-normative reports
- If successful, further work is expected on topics such as
  - Mitigating driver distraction and improving safety

<http://www.w3.org/community/autowebplatform/>

# Participants

- Current list as of 11 March 2013
  - Intel, SYM Software, Verisign, Nokia, Waze, Vodafone, GENIVI Alliance, Fraunhofer FOKUS, KDDI, LG Electronics, Mobile Web Forum, Electronics and Telecommunications Research Institute (ETRI), Auto.sohu.com, OpenStream, Visteon Software Technologies, Neusoft Corporation, plus numerous people as individual contributors
  - Process for selecting chairs set out in the [charter](#)
- To join, see:
  - <http://www.w3.org/community/autowebplatform/participants>
  - [W3C Community Contributor License Agreement \(CLA\)](#)
  - Free for W3C Member organizations
  - Fee for others depending on organization size
  - [More details](#)

# Any other questions?

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Join W3C to help drive the Web to its full potential – <http://www.w3.org/>