

3.– 6. September 2012
in Nürnberg



Herbstcampus

Wissenstransfer
par excellence

Mind the gap!

Mobile Entwicklung mit PhoneGap und jQuery Mobile

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Entwicklung für mobile Endgeräte

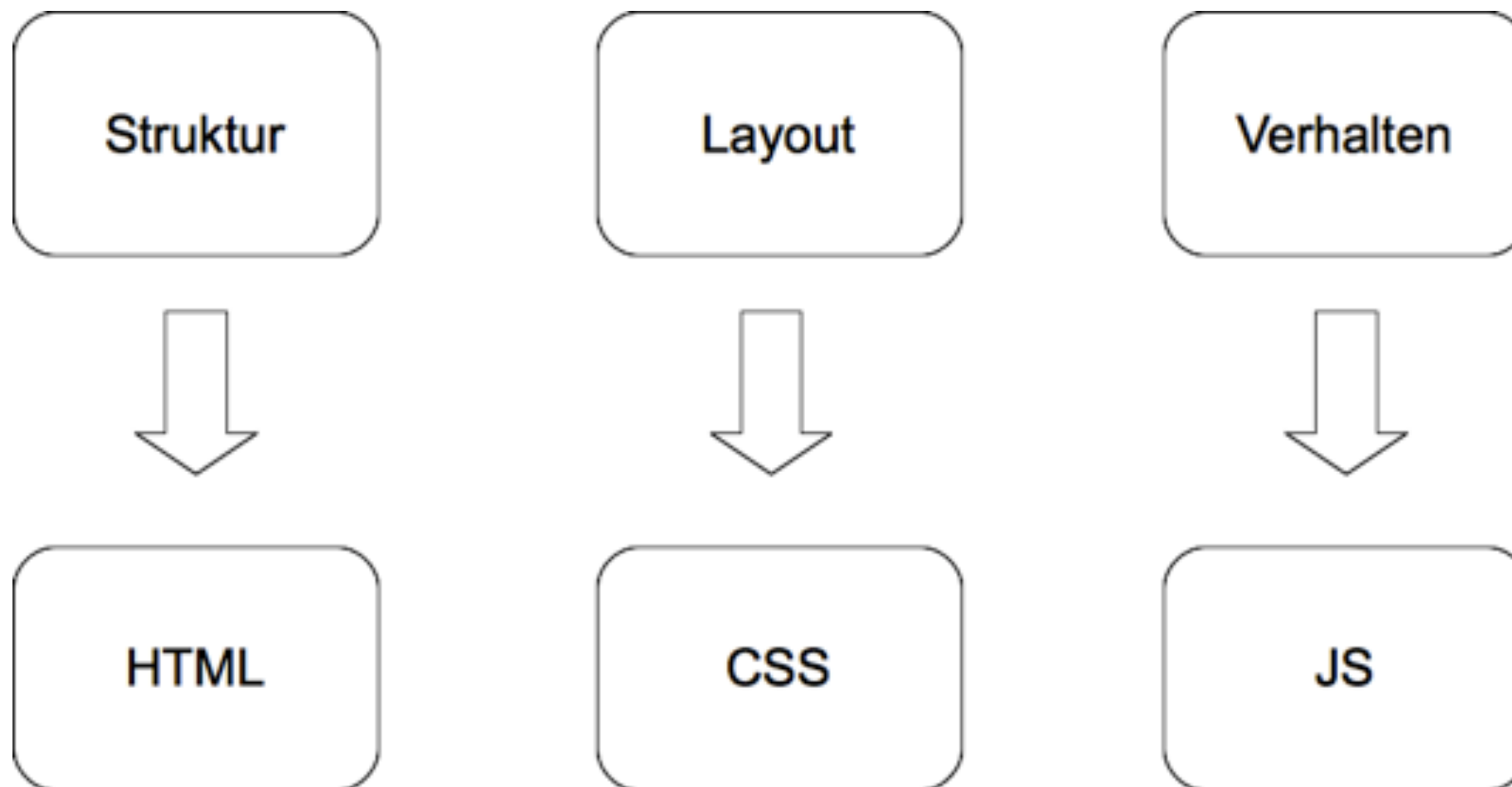


Babylonische Verhältnisse



Die VM der mobilen Welt: HTML 5

- Mehr als „nur“ neue HTML Version...



- ...eine Applikationsplattform

Cross Plattform dank Webanwendung?

- Web vs. nativer Look-and-Feel
- Anwendungsstart aus Anwendungsmenü oder vom Homescreen?
- Zugriff auf Hardwarefunktionen?
- Verteilung über Market bzw. AppStore?

Webanwendung im mobilen Look

jQuery Mobile | jQuery Mobile

jquerymobile.com

jQuery UI Mobile Plugins Meetups Forum Events About Donate

jQuery mobile framework

Docs Download Platforms Themes Resources Forum Blog

JQUERY MOBILE 1.2.0 ALPHA RELEASED!

jQuery Mobile: Touch-Optimized Web Framework for Smartphones & Tablets

A unified, HTML5-based user interface system for all popular mobile device platforms, built on the rock-solid jQuery and jQuery UI foundation. Its lightweight code is built with progressive enhancement, and has a flexible, easily themeable design.

[Experimental version - 1.2.0 Alpha](#)

[Latest stable version - 1.1.1](#)

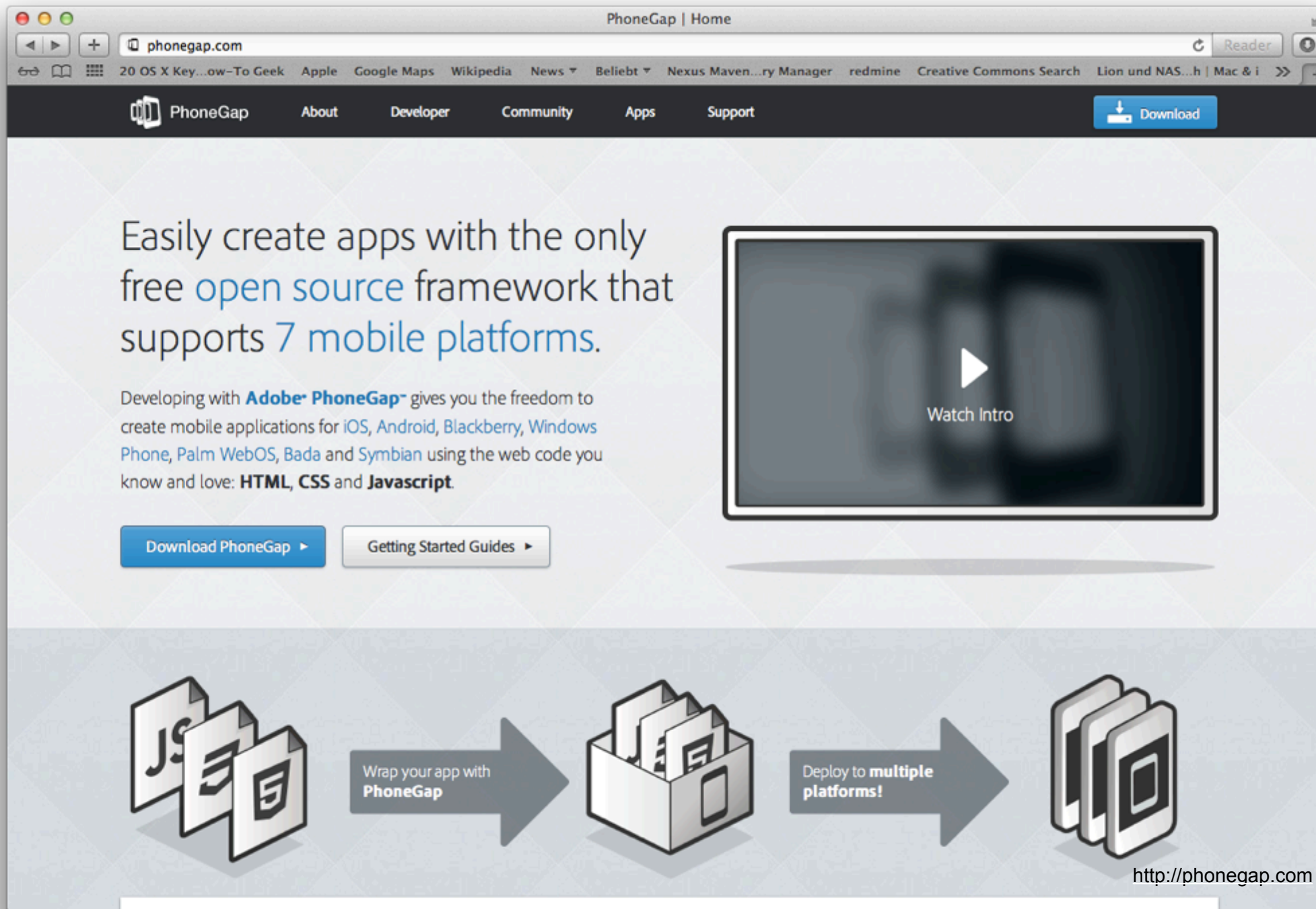
[Legacy version - 1.0.1](#)

Seriously cross-platform with HTML5

jQuery mobile framework takes the "write less, do more" mantra to the next level: Instead of writing unique apps for each mobile device or OS, the jQuery mobile framework allows you to design a single highly-branded web site or application that will work on all popular smartphone, tablet, and desktop platforms. [Device support](#)

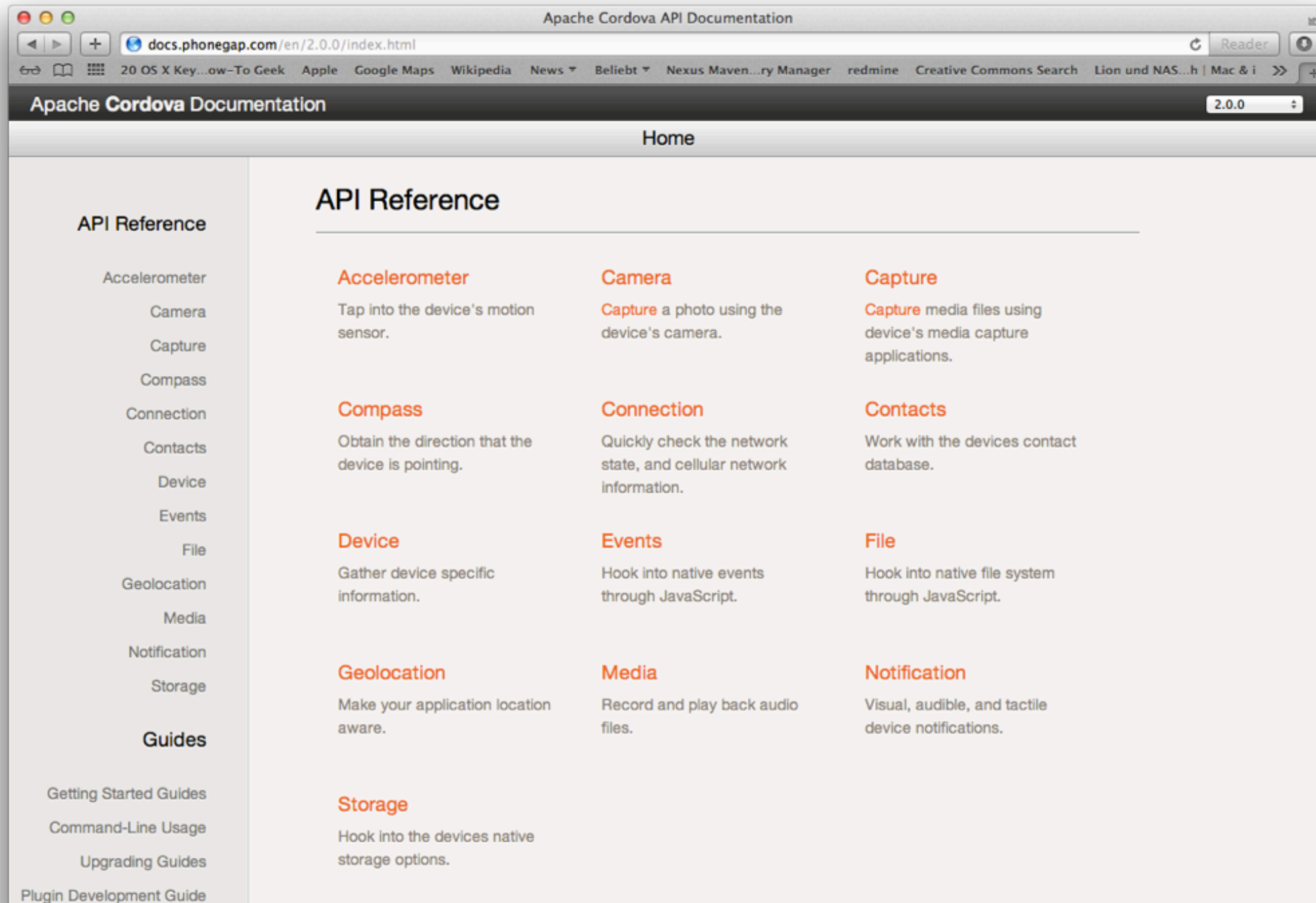
<http://jquerymobile.com>

Einbindung in die native Welt



The screenshot shows the PhoneGap website homepage in a browser window. The browser title is "PhoneGap | Home" and the address bar shows "phonegap.com". The navigation menu includes "PhoneGap", "About", "Developer", "Community", "Apps", "Support", and a "Download" button. The main content area features the headline "Easily create apps with the only free open source framework that supports 7 mobile platforms." Below this, it states: "Developing with **Adobe PhoneGap** gives you the freedom to create mobile applications for [iOS](#), [Android](#), [Blackberry](#), [Windows Phone](#), [Palm WebOS](#), [Bada](#) and [Symbian](#) using the web code you know and love: **HTML**, **CSS** and **Javascript**." There are two buttons: "Download PhoneGap" and "Getting Started Guides". To the right is a video player with a play button and the text "Watch Intro". At the bottom, a process diagram shows three icons representing code files (labeled JS, CSS, HTML) on the left. An arrow labeled "Wrap your app with PhoneGap" points to a box containing the code files and a mobile phone icon. A second arrow labeled "Deploy to multiple platforms!" points to three mobile phone icons. The URL "http://phonegap.com" is visible at the bottom right of the page.

Die Möglichkeiten



The screenshot shows a web browser window displaying the Apache Cordova API Documentation. The browser's address bar shows the URL `docs.phonegap.com/en/2.0.0/index.html`. The page title is "Apache Cordova API Documentation". The main content area is titled "API Reference" and lists various device APIs with brief descriptions:

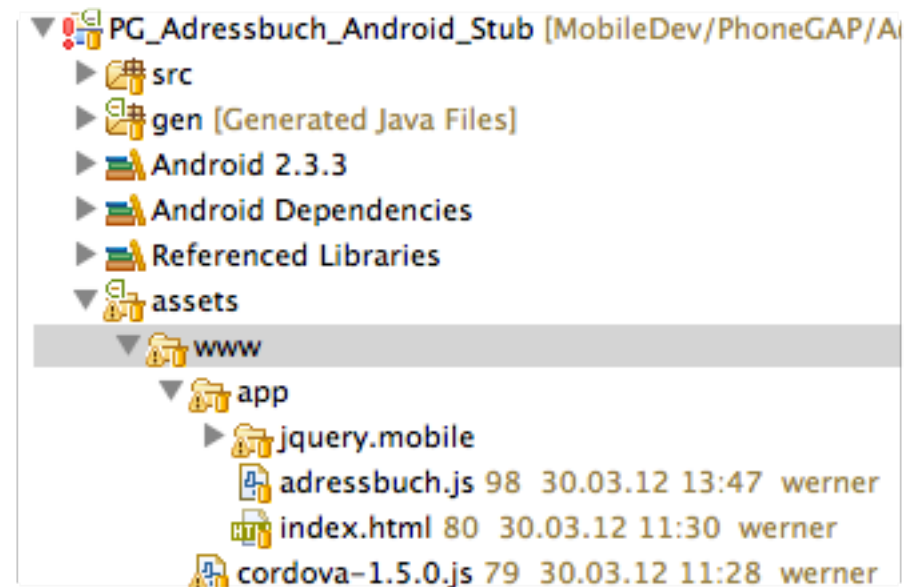
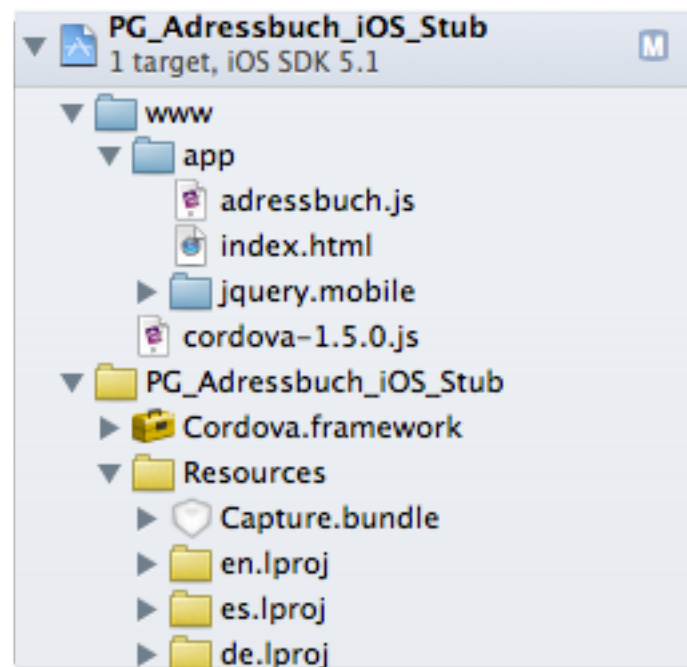
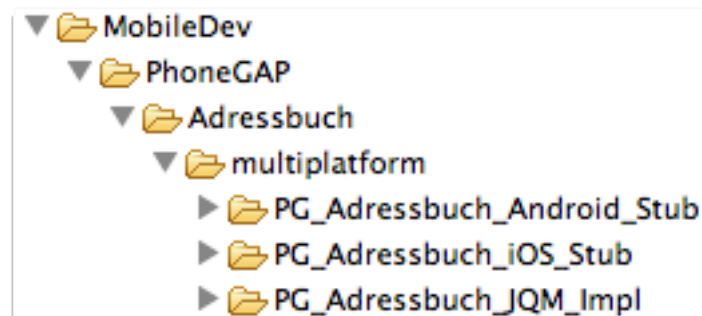
- Accelerometer**: Tap into the device's motion sensor.
- Camera**: **Capture** a photo using the device's camera.
- Capture**: **Capture** media files using device's media capture applications.
- Compass**: Obtain the direction that the device is pointing.
- Connection**: Quickly check the network state, and cellular network information.
- Contacts**: Work with the devices contact database.
- Device**: Gather device specific information.
- Events**: Hook into native events through JavaScript.
- File**: Hook into native file system through JavaScript.
- Geolocation**: Make your application location aware.
- Media**: Record and play back audio files.
- Notification**: Visual, audible, and tactile device notifications.
- Storage**: Hook into the devices native storage options.

A sidebar on the left contains a navigation menu with the following items:

- API Reference
 - Accelerometer
 - Camera
 - Capture
 - Compass
 - Connection
 - Contacts
 - Device
 - Events
 - File
 - Geolocation
 - Media
 - Notification
 - Storage
- Guides
 - Getting Started Guides
 - Command-Line Usage
 - Upgrading Guides
 - Plugin Development Guide

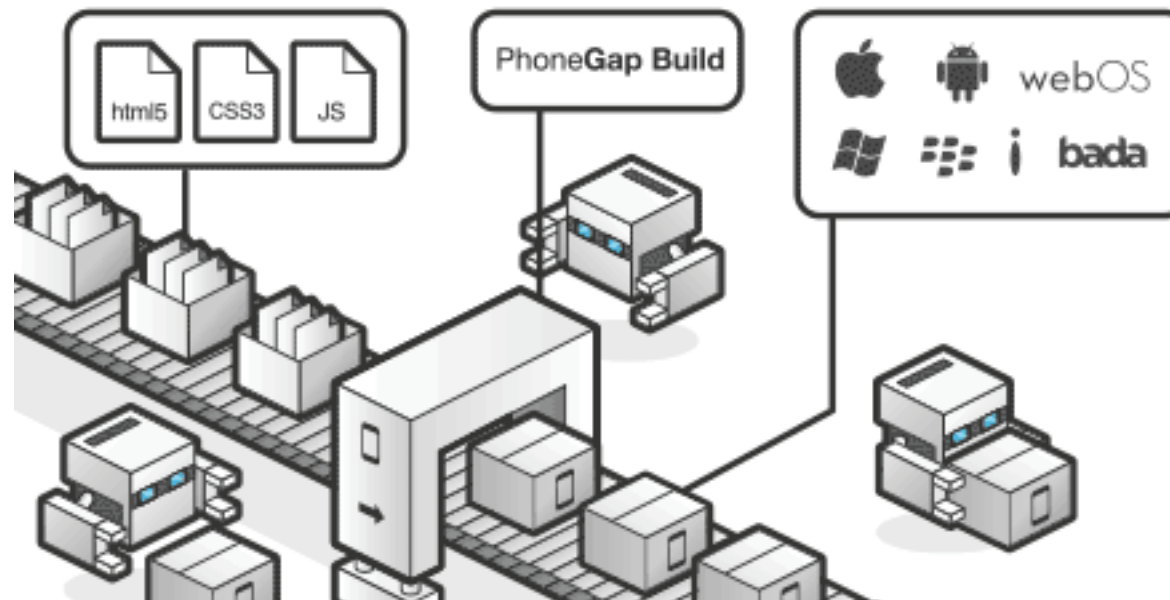
Multiplattform Projekte

- Trennung von Plattformspezifika und Anwendung
- Zusammenführung z.B. mittels svn:externals

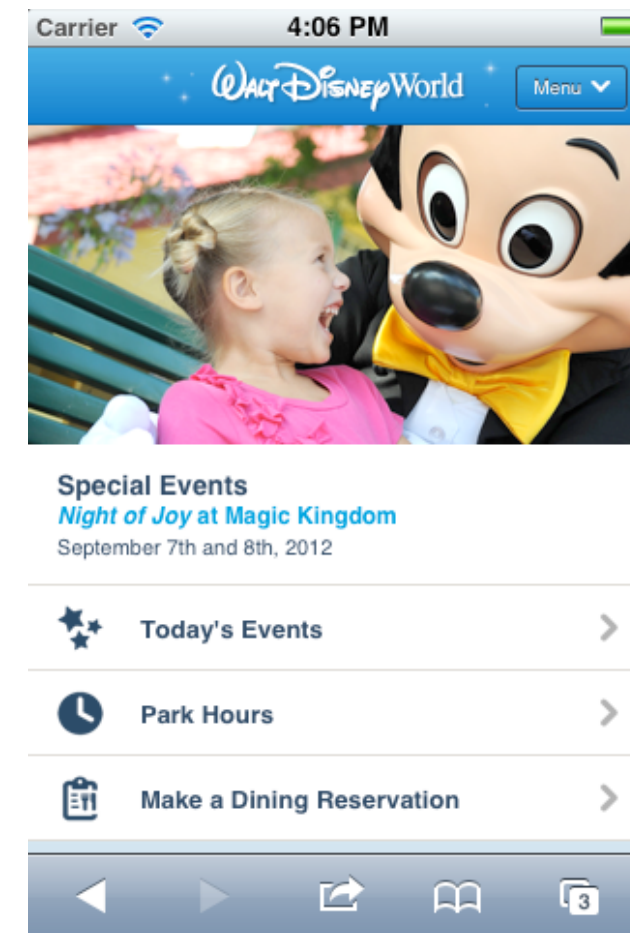


PhoneGap Build

- Cloud-basiertes Buildsystem
- Ergebnis in „AppStore-tauglich“



Spielzeug oder ernstzunehmende Basis?



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Vielen Dank!

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