



CM WebClient Mobile for CA Plex

Technology and Demonstration

CM First Group

- Information Technologies Services and Product Company
- Focus on Application Modernization on IBM environments
- Headquartered in Switzerland, Operations in USA, Italy and France
- 35 employees / over 400 customers
- CA Technologies for CA Plex / CA 2E / CA Repository
 - Sales, Services, CA SMART Certified Products
- CM First Products add value to CA Technologies Products
- Worldwide Sales through partner network

Application Development Solutions

Enterprise Architecture – Metadata

CM Meta Analytics for
CA Repository

Application Development Tools

Requirements

Analysis

CM
M3
Modeling

IDE / Code

CM
WebClient

QA / Test

Release

CA Plex / 2E

Worksoft
Certify for
CA Plex

Application Lifecycle Management
CM
MatchPoint

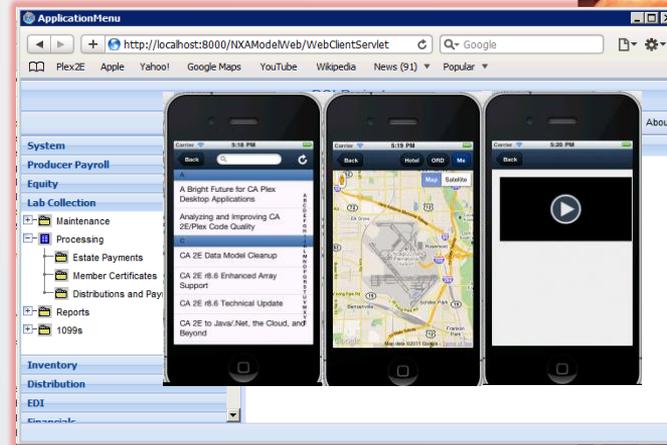
PTC/MKS Integrity for i
(CA 2E CM)

Project and Portfolio Management

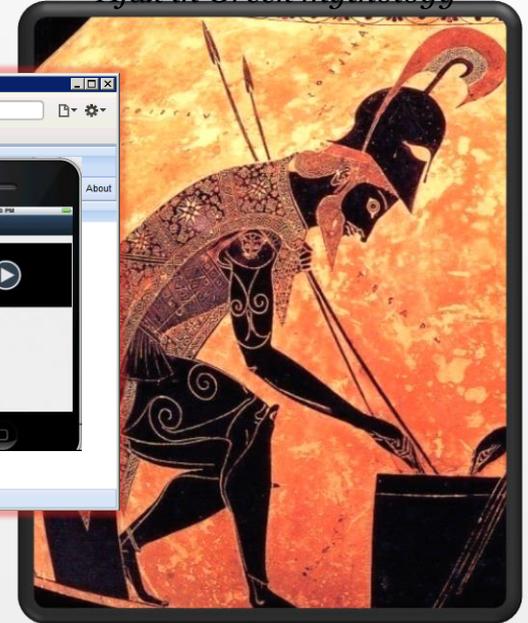
Application Performance
Availability
and
Monitoring

CM WebClient Mobile Presentation Agenda

- Technology
- Features
- Demo
- Questions

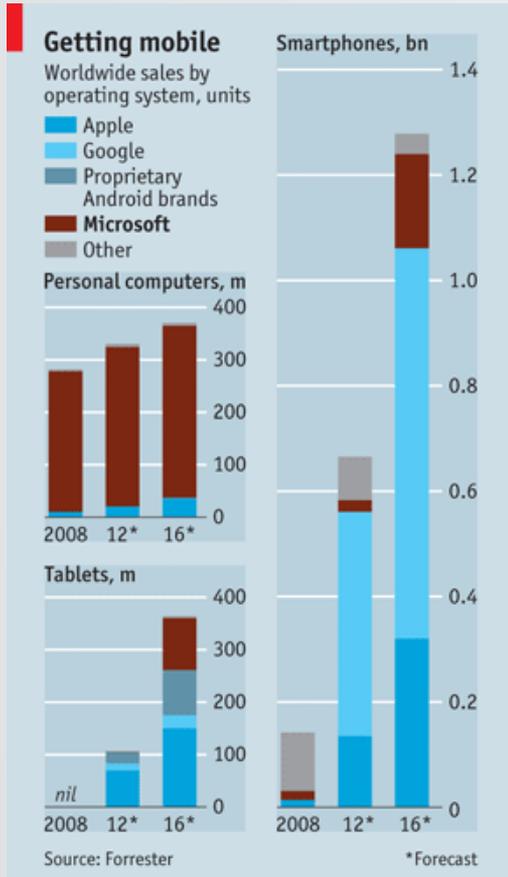


Ajax in Greek mythology





Technology



- Microsoft currently has dominant share of desktop
 - And will eventually have significant tablet and phone share
- But Apple and Google dominate total devices
- Future-proof your apps across **all platforms** by adding **JavaScript** and **HTML5** to your desktop technology – **CA Plex + CM WebClient**

AJAX / JavaScript / HTML5 / Hybrid is the new standard



TAKAYA CORP.
INDUSTRIAL EQUIPMENT DIV

HAPIMAG

DSI
Data Specialists, Inc.

MEDICAL MUTUAL
Liability Insurance Society of Maryland

Diners Club INTERNATIONAL

UNITED HERITAGE Insurance

consum COOPERATIVA

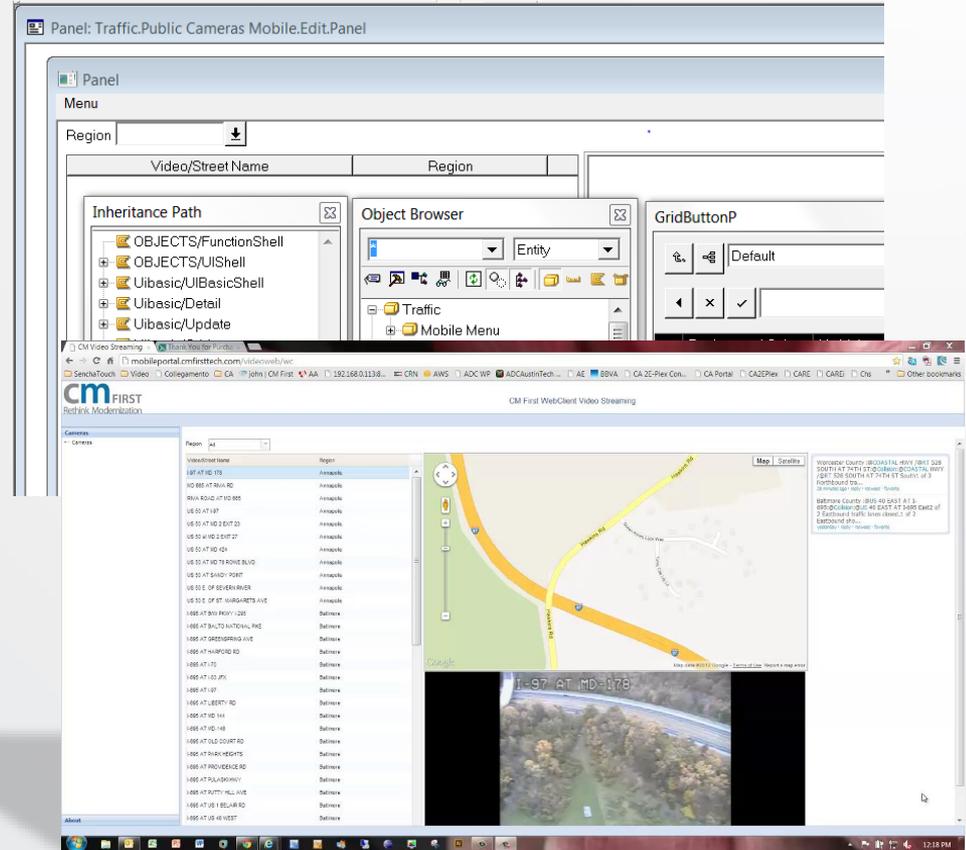
“Ajax remains the dominant RIA of choice, and HTML5 is poised to expand the power and flexibility of the browser only approach”

Gartner Group

Code Once, with Existing Skills

= Much less cost and risk

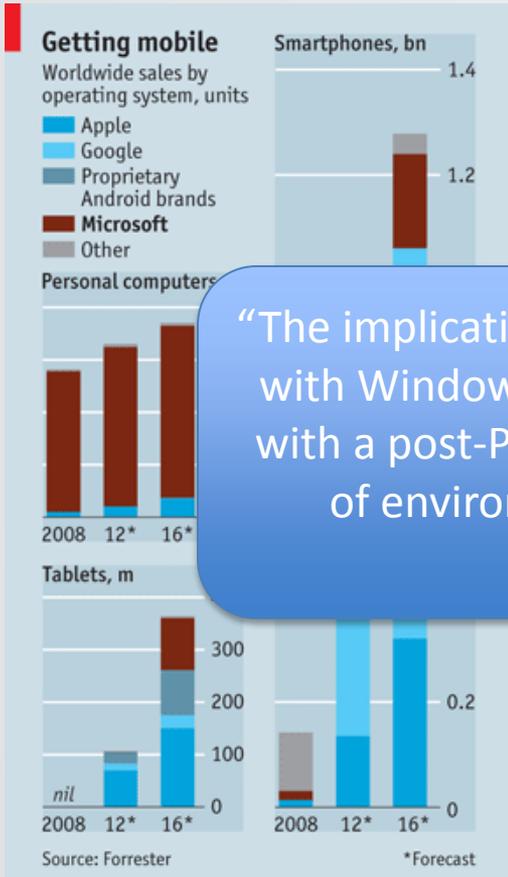
- Use Your Patterns
 - Foundation, Active, ...
 - OBASE (or your own)
 - Using Existing Designs
- A Unified Code Base
 - Client-Server / 5250
 - Web
 - Mobile
- WYSIWG Page Design
 - *within Plex limitations



Develop Rich, Standards Based Apps

- Browser/Web Targets
 - Chrome, Safari, IE, Firefox
 - No Plug Ins!
 - Portals (Websphere, Liferay, ...)
- Mobile Targets
 - iPhone, iPad, Android, BB6+, Windows
- Server Targets
 - Websphere, Tomcat, JBoss, ...
 - Any back end Plex Supports
 - .NET, Java, IBM i/p, Unix, Linux, ...





“The implications for IT is that the era of PC dominance with Windows as the single platform will be replaced with a post-PC era where Windows is one of a variety of environments that IT will need to support,”
Gartner 2013

- Microsoft currently has dominant share of desktop

– And will eventually have significant

dominate

s across all

platforms by adding JavaScript and HTML5 to your desktop technology – CA Plex + CM WebClient

Definitions

- **Native apps** are built for a specific platform with the platform SDK, tools and languages, typically provided by the platform vendor (e.g. XCode/Objective-C for iOS, Eclipse/Java for Android, Visual Studio/C# for Windows Phone).
- **Mobile Web** apps are server-side apps, built with any server-side technology (PHP, Node.js, ASP.NET) that render HTML that has been styled so that it renders well on a device form factor.
- **Hybrid apps**, like native apps, run on the device, and are written with web technologies (HTML5, CSS and JavaScript). Hybrid apps run inside a native container, and leverage the device's browser engine (but not the browser) to render the HTML and process the JavaScript locally. A web-to-native abstraction layer enables access to device capabilities that are not accessible in Mobile Web applications, such as the accelerometer, camera and local storage

Hybrid Predictions

- April 16, 2013 - Gartner Recommends a Hybrid Approach for Business-to-Employee Mobile Apps

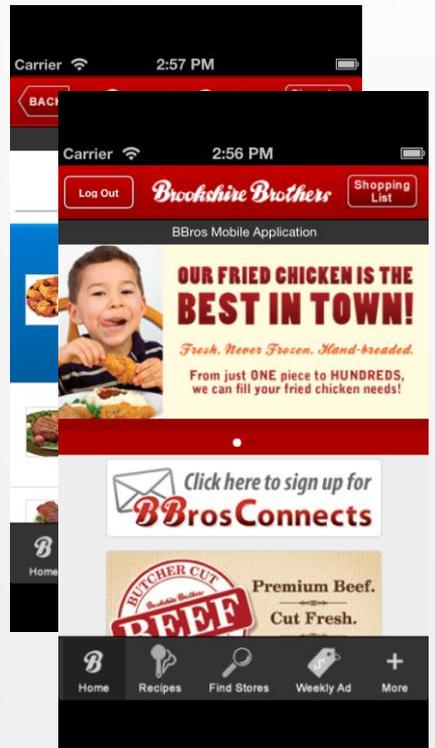
Category	Native	Hybrid	Web
Consumer	40	40	20
Enterprise	10	60	30

Table 1
Consumer/Enterprise Split in 2015
Source: Gartner (November 2012)

Pragmatic Reasons

- Skills required – you probably already know HTML and CSS (or someone at your org does)
- Code/Test once (mostly)
- Performance and capabilities generally equal native

CM First Customer Example Touch Apps





Current Mobile Features – 1.8.2



Mobile Features

- Icon Menus
- Themes
- Advanced Geo
- Audio
- Video
- Email
- Address Book
- Local Storage
- Encryption
- Facebook Login
- Camera
- Signature
- Adobe Cordova (PhoneGap)
- HTML Forms
- Embedded pages
- Upload
- **Mobile Service Pack Nov 2013**

Device Support / PhoneGap



- Wrap HTML5 app
- Device support
 - Camera, address book, etc.
- App Stores
 - Google Play, iTunes

A screenshot of the Google Play Store page for the app "United Heritage Preeed Calc" by Roger Griffith. The page includes a search bar at the top, a navigation menu with "SHOP", "MY BOOKS", "MY MOVIES", and "MY APPS", and a main content area. The app's title and developer name are displayed above a green "INSTALL" button. Below this, there are recommendations for other apps like "Tip Calculator. AD FREE", "LogMeIn Ignition", and "LINE". The right side of the page shows the app's description, developer links, and a section for "App Screenshots" with three preview images of the app's interface.



Demo

Demo Scenario

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** CM Video Streaming, Thank You for Purcha...
- Address Bar:** mobileportal.cmfirsttech.com/video/web/wc
- Page Title:** CM First WebClient Video Streaming
- Logo:** cm FIRST Rethink Modernization
- Left Panel (Cameras):**
 - Region: All
 - Table with columns: Video/Street Name, Region
- Center Panel (Map):** Google Map showing a road network with a yellow highlighted path. Labels include "Hawkins Rd", "Hawkins Rd", "Canaan-Pines Lane W...", and "The Green Ln".
- Right Panel (Info):**
 - Worcester County: 8COASTAL HWY /BRT 528 SOUTH AT 74TH ST@COLLIS@COASTAL HWY /BRT 528 SOUTH AT 74TH ST South of 3 Northbound tra... 28 minutes ago | reply | retweet | favorite
 - Baltimore County: BUS 40 EAST AT I-695@COLLIS@BUS 40 EAST AT I-695 East of 2 Southbound traffic times check: 1 of 2 Eastbound sho... yesterday | reply | retweet | favorite
- Bottom Panel (Video):** Video feed titled "I-97 AT MD-178" showing a highway with a white car.
- Taskbar:** Windows taskbar with various application icons and a system clock showing 12:18 PM.



What is Next?

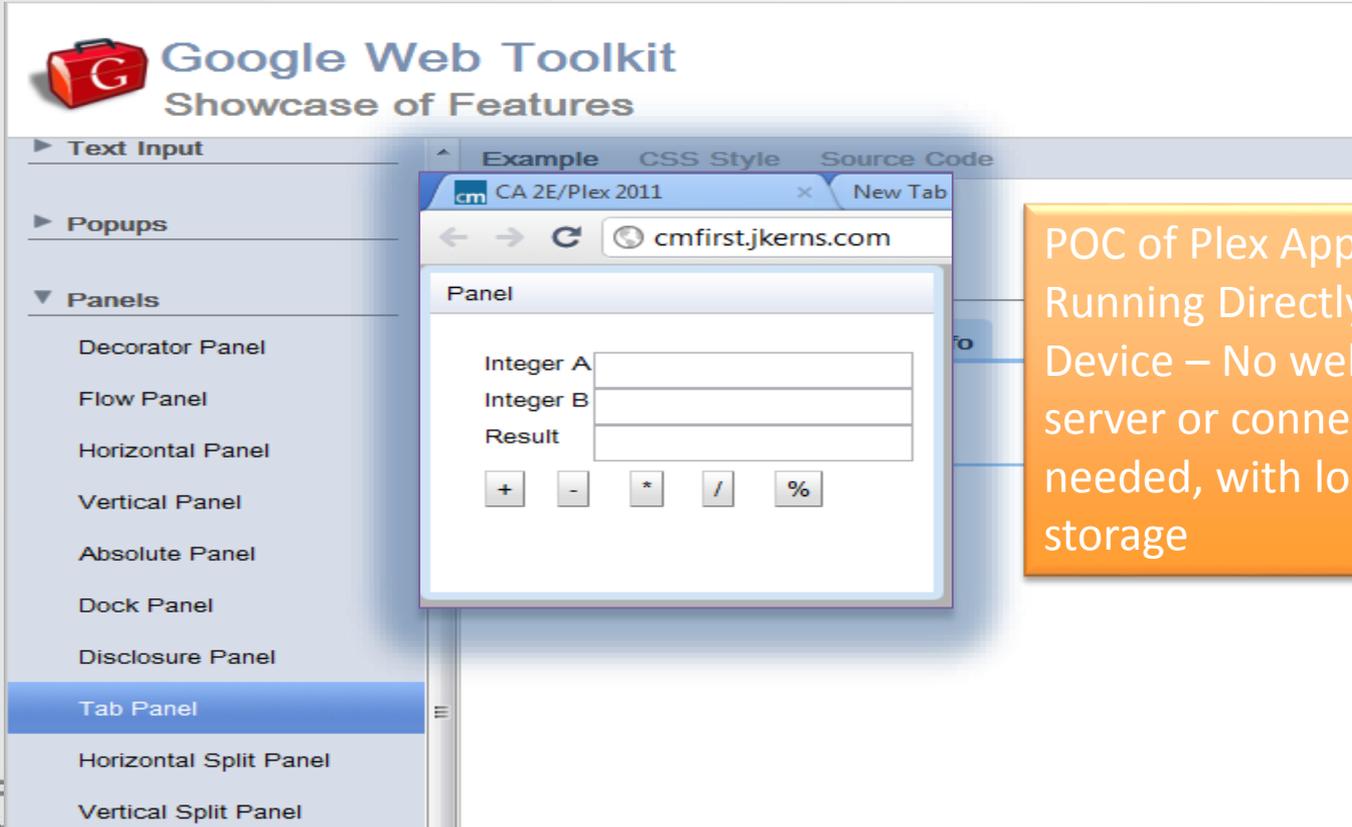
WebClient 2.0 – 2014

On the drawing board

- Planned Feature Set
 - More Mobile Templates
 - Tablet Optimized Templates
 - Offline storage model



Enterprise JavaScript



The screenshot displays the Google Web Toolkit (GWT) 'Showcase of Features' interface. On the left, a sidebar lists various widget categories: Text Input, Popups, and Panels. The 'Panels' category is expanded, showing options like Decorator Panel, Flow Panel, Horizontal Panel, Vertical Panel, Absolute Panel, Dock Panel, Disclosure Panel, Tab Panel (which is highlighted), Horizontal Split Panel, and Vertical Split Panel. The main content area shows a browser window with the URL 'cmfirst.jkerns.com'. The browser displays a 'Panel' widget with three input fields labeled 'Integer A', 'Integer B', and 'Result'. Below these fields are five buttons representing arithmetic operations: '+', '-', '*', '/', and '%'. The browser's address bar shows 'cmfirst.jkerns.com' and the page title is 'Panel'.

POC of Plex Application
Running Directly on
Device – No web
server or connection
needed, with local
storage

Q&A, Discussion

<http://cmfirstgroup.com>

cm FIRST
Rethink Modernization

