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CRAFTING RESULTS

Live 360! Events

Conference Review

Follow along at:
http://bit.ly/15u1FQ8 or http://html5demo1.azurewebsites.net/

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BEST MANAGED COMPANIES

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Quick Summary

▸ **Historically, Visual Studio Live annual event in Orlando**

▸ **1st time "combined 4 events into 1":**
  - ▸ Visual Studio
  - ▸ SharePoint
  - ▸ SQL Server
  - ▸ Cloud & Virtualization

▸ **Often there were 16 sessions happening at once!**

▸ **First and last days were "workshops"**
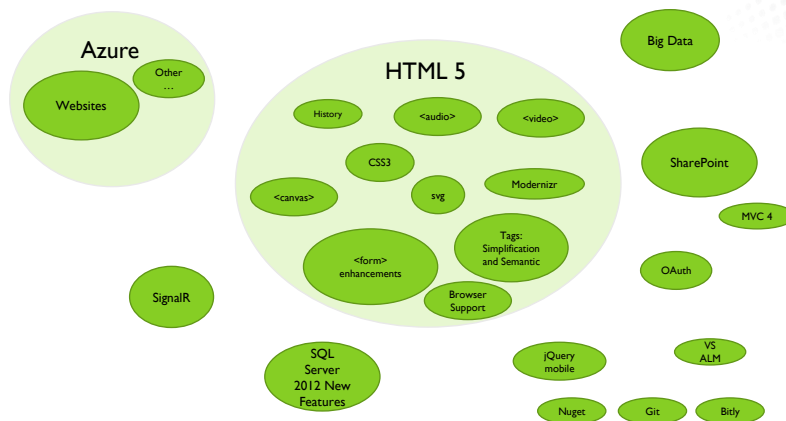
▸ **Microsoft technologies but not hosted by Microsoft**

What my objectives were…

- **HTML 5…**
  - learn more including the "state" of it and how to get browsers to work with it
- **Azure…**
  - what "state" is it in? How to use, etc
- **Mobile…**
  - Windows phone… but looked like sessions were lacking
- **Any trends?**

What I learnt
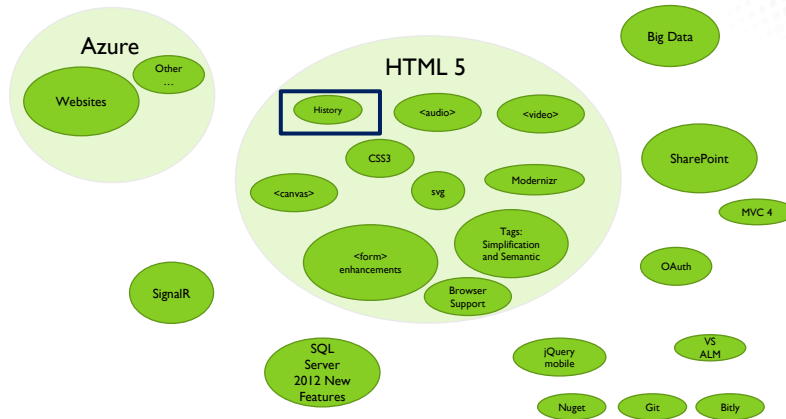
What I learnt

Azure
- Other ...
- Websites

HTML 5
- History
- <audio>
- <video>
- CSS3
- <canvas>
- svg
- Modernizr
- Tags: Simplification and Semantic
- <form> enhancements
- Browser Support

Big Data
SharePoint
MVC 4
OAuth
SignalR
SQL Server 2012 New Features
jQuery mobile
VS ALM
Nuget
Git
Bitly

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HTML 5 History

- **Wee bit of history[1]:**
  - HTML (1991), HTML2 (1994), HTML3 (1995), HTML3.2 & 4 (1997), XHTML1 (2000), XHTML 1.1 (2001)
- **W3C wanted XHTML 2... but was very strict standard**
- **Browser group formed WHATWG[2] and created HTML5**
- **W3C's XHTML 2 ultimately died on July 2, 2009**
- **WHATWG gave W3C permission to publish HTML 5... so really are 2 "specs" out there**

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HTML 5 History

▸ **Apple's affect:**
  ▸ "The world is moving to HTML 5" – Steve Jobs
  ▸ iDevices have no support for Flash

▸ **Logo**

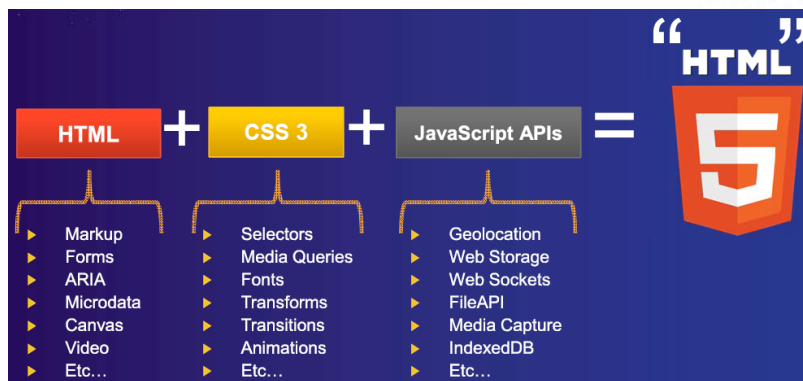▸ **Marketing material**

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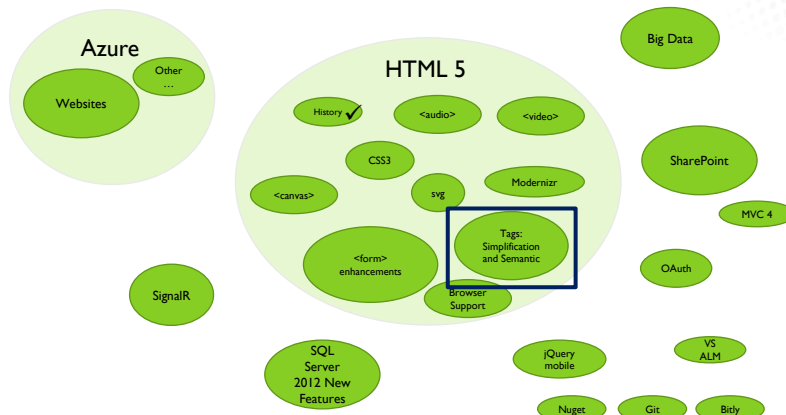**SOLVERA**

HTML 5 – What is it?

▸ **What is it? HTML + CSS3 + JavaScript APIs**

HTML	CSS 3	JavaScript APIs
Markup	Selectors	Geolocation
Forms	Media Queries	Web Storage
ARIA	Fonts	Web Sockets
Microdata	Transforms	FileAPI
Canvas	Transitions	Media Capture
Video	Animations	IndexedDB
Etc…	Etc…	Etc…

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What I learnt

Azure

Other ...

Websites

HTML 5

History ✓

<audio>

<video>

CSS3

svg

Modernizr

<canvas>

Tags: Simplification and Semantic

<form> enhancements

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HTML 5 – Simplification

<!DOCTYPE html>

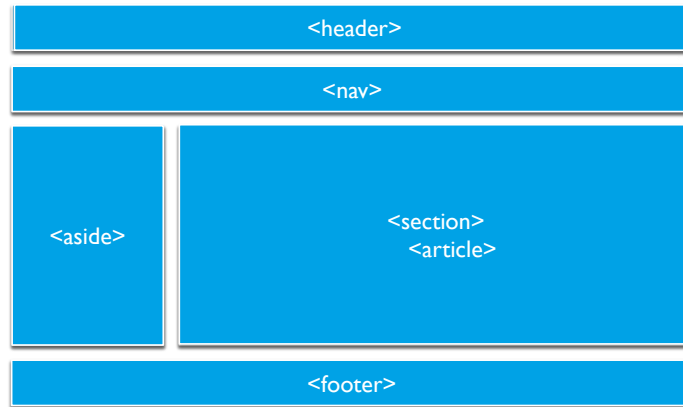<html lang="en">

<meta charset="utf-8">

Some others:

- ▶ **The type attribute is no longer required on <style> and <script> tags**
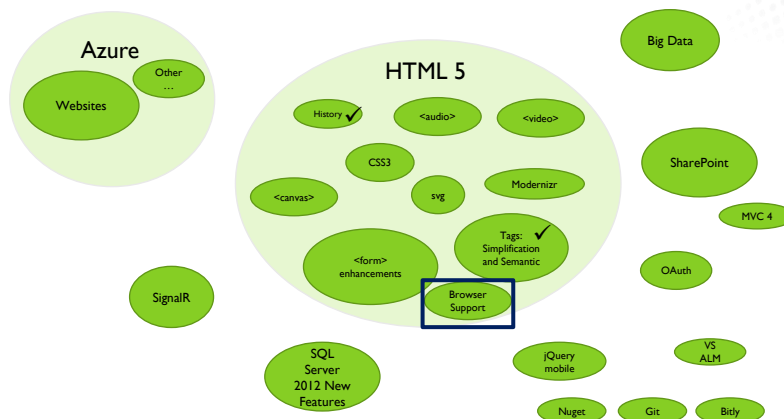- ▶ **Elements that are by nature self-closing now do not need "/"**
  - ▶ img
  - ▶ br

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HTML 5 – New Tags

<header>
<nav>

<aside>	<section> <article>

<footer>

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What I learnt

- Azure
  - Websites
  - Other …
- HTML 5
  - History ✓
  - <audio>
  - <video>
  - CSS3
  - Modernizr
  - <canvas>
  - svg
  - <form> enhancements
  - Tags: Simplification and Semantic ✓
  - Browser Support
- Big Data
- SharePoint
- MVC 4
- OAuth
- SignalR
- SQL Server 2012 New Features
- jQuery mobile
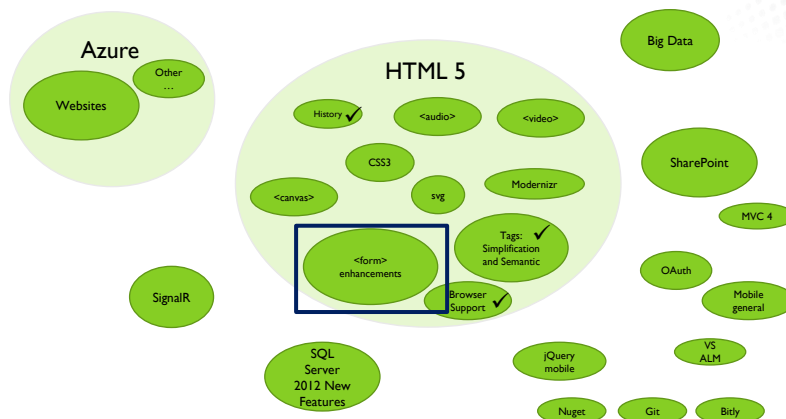- VS ALM
- Nuget
- Git
- Bitly

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HTML 5 - Browser Support

▶ **Spec moves through:**
  ▶ 1st Published Working Draft -> Working Draft -> Last Call -> Candidate Recommendation -> Recommendation

▶ **IE goal is CR and up … as a result, they "score" much lower… but are getting better**
  ▶ One easy option is Google Chrome Frame for <=8[1]

▶ **Don't sniff browsers… test for features**

▶ **Html5test.com, Canluse.com, and lots of others**

▶ **Adoption strategies: lowest common denominator, polyfill[2] enriched**

▶ **DEMO 1 – 3**
  ▶ http://html5demo1.azurewebsites.net/Index.html

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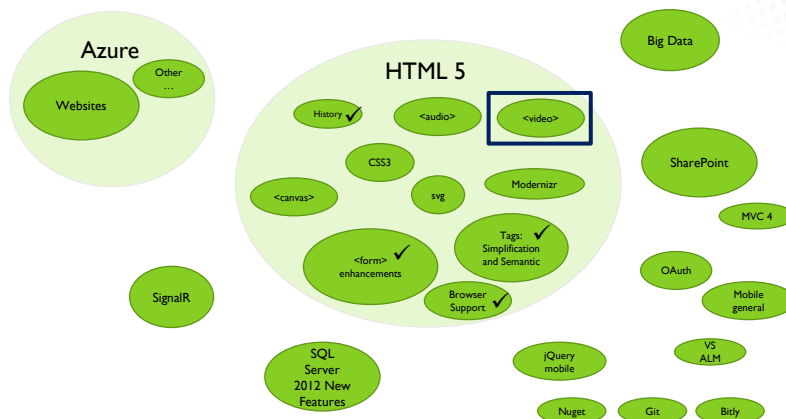# What I learnt

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HTML 5 Form Enhancements

- ▶ **<input type=**
  - ▶ Email, url, search, number, date, time, color, etc
- ▶ **New attributes**
  - ▶ Placeholder, autofocus
- ▶ **Contenteditable**
- ▶ **Remember sites mentioned previously: Html5test.com, canluse.com**
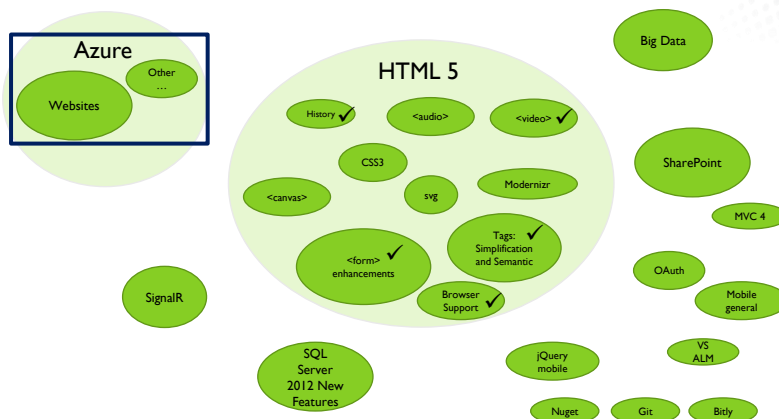- ▶ **Demo 4**
  - ▶ http://html5demo1.azurewebsites.net/Demo04-NewInputTypes.html

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What I learnt

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HTML 5 MultiMedia Enhancements

▶ **New "audio" and "video" tags**
▶ **Demo 5**
  ▶ http://html5demo1.azurewebsites.net/Demo05-Multimedia.html

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What I learnt

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Azure

- **What is it?**
  - cloud computing is really doing just-in-time provisioning and scaling of services, software and solutions delivered as a service on a pool of hardware
  - On demand provisioning
  - scaling resources... example "tonight I need 10,000 nodes for an hour until batch is done"
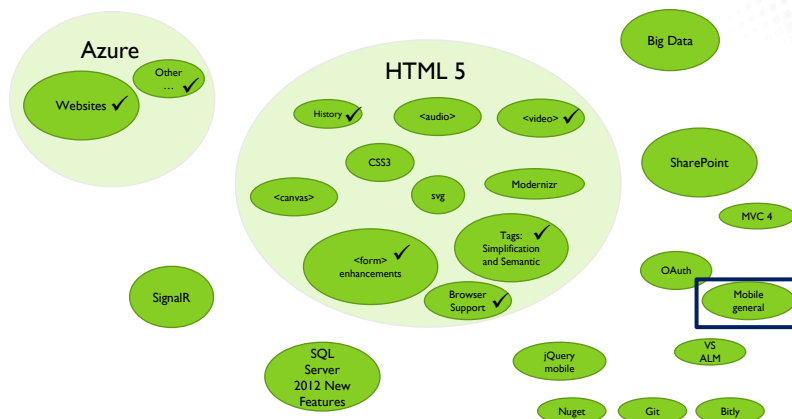 - abstraction over resources
- **Demo 6**
  - Create a website using Azure... show other options here
    - https://manage.windowsazure.com
  - Link to my github repository
  - Create new site and download publish settings for deploying in Visual Studio
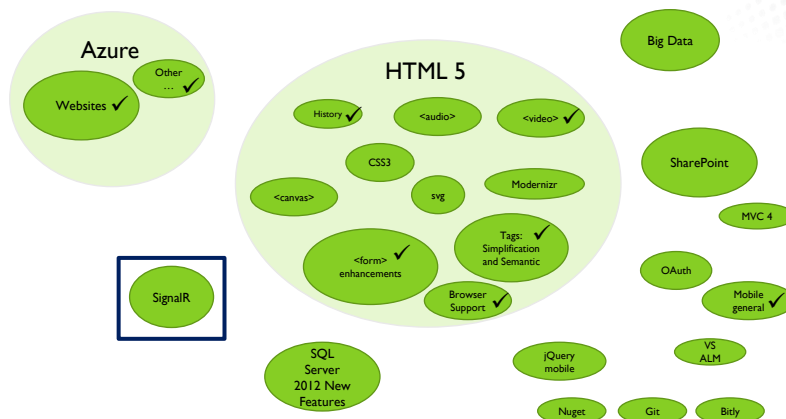
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What I learnt

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Mobile

- **Unfortunately not the conference to learn a lot of mobile**
- **Concentration on HTML5 including CSS3 for formatting with mobile in mind**
- **3 good takeaways**
  - JSON for serialized data for smaller payload
  - Opera mobile emulator
  - By default, add the below "viewport" to all web pages:
    - <meta name="viewport" content="width=device-width, user-scalable=no">
- **Demo 7**
  - Opera mobile emulator
  - Page with and without meta tag
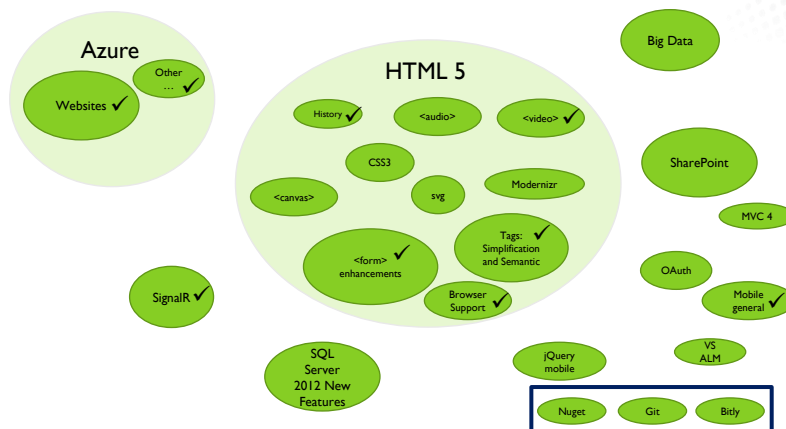
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What I learnt

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Trends - SignalR

▸ **Makes real-time HTTP so easy it seems like "magic" [1]**

▸ **An open source series of libraries that provide an abstraction around persistent HTTP connections[2]**

▸ **Demo 8**

  ▸ Start up demo site on Azure
  ▸ 2 different demos here:
    ▸ HitCounter
    ▸ Chat

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What I learnt

Azure
- Websites ✔
- Other … ✔

HTML 5
- History ✔
- <audio>
- <video> ✔
- CSS3
- <canvas>
- svg
- Modernizr
- Tags: Simplification and Semantic ✔
- <form> enhancements ✔
- Browser Support ✔

SignalR ✔

Big Data

SharePoint

MVC 4

OAuth

Mobile general ✔

SQL Server 2012 New Features

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Nuget   Git   Bitly

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Other observations

- ▶ <u>Nuget</u>
    - ▶ Visual Studio add-in to import in external resources easily
- ▶ <u>Git</u>
    - ▶ <u>Cvs -> svn -> git</u>
- ▶ <u>Bit.ly</u>
    - ▶ Less and less people using tinyurl.com
- ▶ "<u>Big data</u>"
    - ▶ still in infancy (IMO)

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Overall Opinion of Conference

- ▶ **While there…**
    - ▶ Wanted more… more HTML 5, more mobile
    - ▶ Logistics… felt could have been better
    - ▶ Accomodations… beautiful, close to Universal Studios
    - ▶ Not a "swag" conference
- ▶ **Looking back…**
    - ▶ I am surprised at how much I did actually learn… or at least spark an interest in
    - ▶ Would recommend in the future
    - ▶ Ability to jump from session to session because of so many running concurrently was a big benefit

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