



## Live 360! Events

Conference Review

Follow along at:

<http://bit.ly/15u1FQ8> or <http://html5demo1.azurewebsites.net/>

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## Quick Summary

- ▶ Historically, was a [Visual Studio Live](#) annual event in Orlando
- ▶ 1<sup>st</sup> 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



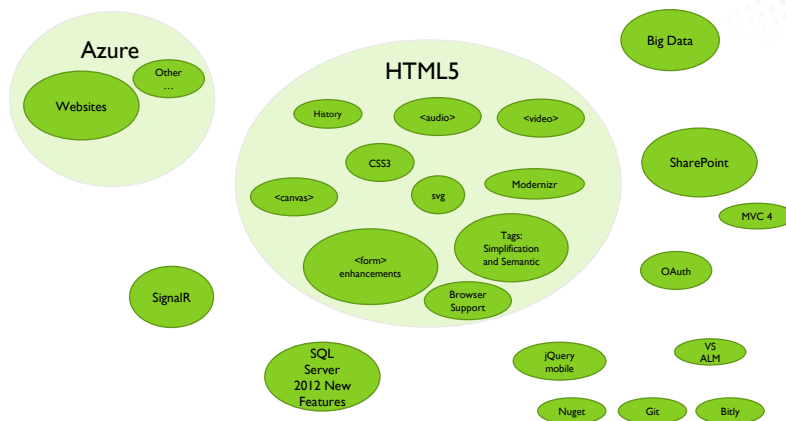
## What my objectives were...

- ▶ **HTML5...**
  - ▶ 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?**

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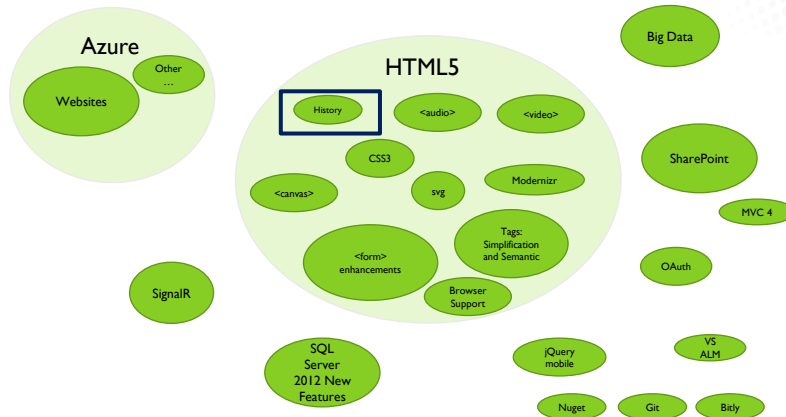


## What I learnt



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## What I learnt



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## HTML5 History

- ▶ Wee bit of history<sup>1</sup>:
  - ▶ CERN and IETF: HTML (1991), HTML2 (1994)
  - ▶ W3C: HTML3 (1995), HTML3.2 & 4 (1997)
  - ▶ W3C decided to stop evolving "HTML" (1998)
  - ▶ W3C: XHTML1 (2000), XHTML 1.1 (2001)
- ▶ W3C wanted XHTML 2... but was very strict standard
- ▶ Browser group formed **WHATWG**<sup>2</sup> and created HTML5
  - ▶ Group contained: Apple, Mozilla, Opera
- ▶ W3C's XHTML 2 ultimately died on July 2, 2009
- ▶ WHATWG gave W3C permission to publish HTML5... so really there are 2 specifications out there

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## HTML5 History

- ▶ Apple's affect:
  - ▶ [“The world is moving to HTML5”](#) - Steve Jobs
  - ▶ [iDevices have no support for Flash](#)

- ▶ [Logo](#)



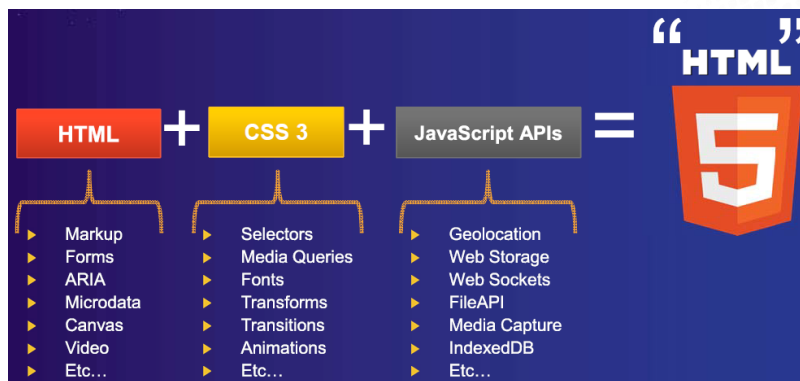
- ▶ [Marketing material](#)



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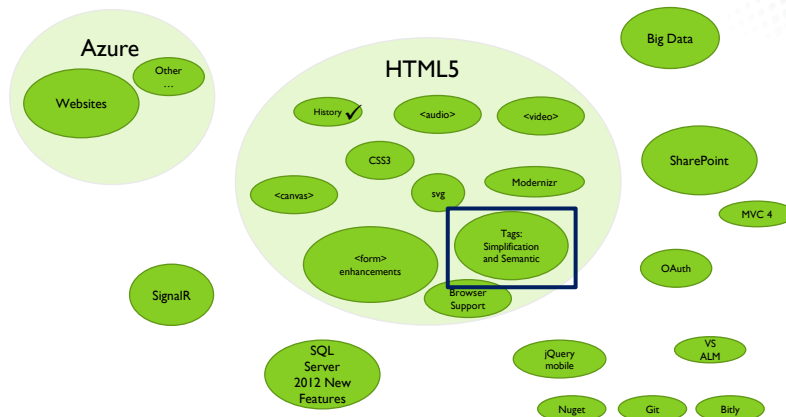
## HTML5 - What is it?

- ▶ What is it? HTML + CSS3 + JavaScript APIs



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## What I learnt



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## HTML5 - Simplification

```
<!DOCTYPE html>
```

```
<html lang="en">
```

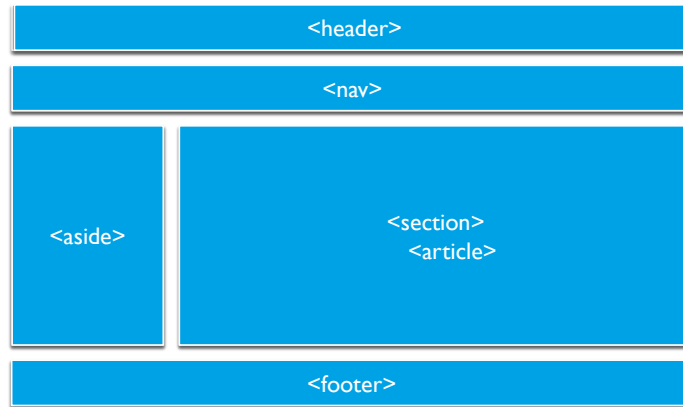
```
<meta charset="utf-8">
```

Some others:

- ▶ The type attribute is no longer required on `<style>` and `<script>` tags
- ▶ Elements that are by nature self-closing no longer need a `"/"`
  - ▶ `img`
  - ▶ `br`

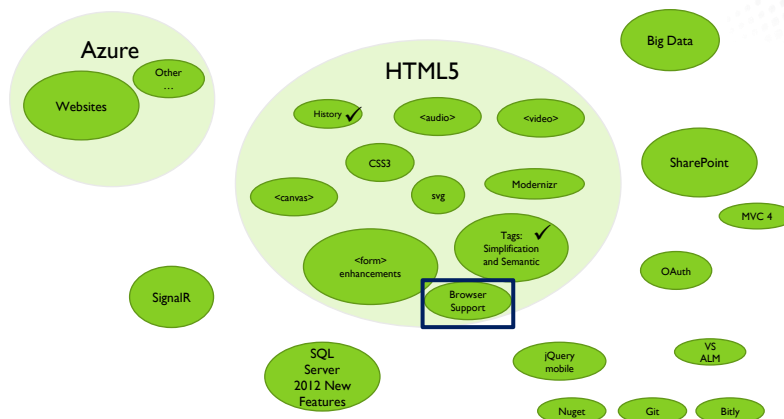
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## HTML5 - New Tags



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## What I learnt



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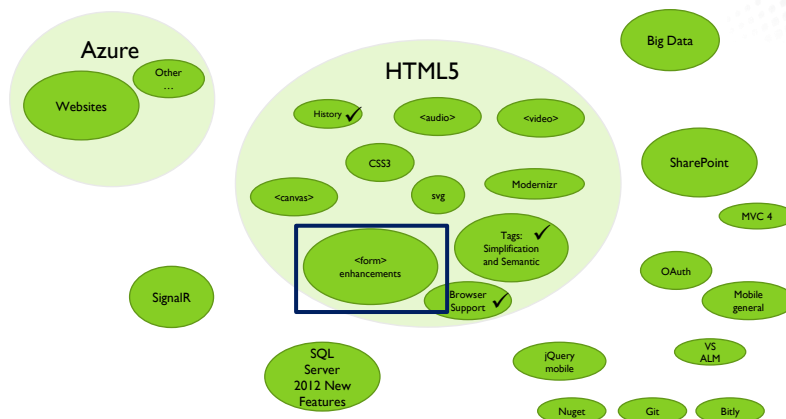
## HTML5 - Browser Support

- ▶ Spec moves through:
  - ▶ 1<sup>st</sup> 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<sup>1</sup>
- ▶ Don’t “sniff” for browsers... test for features
- ▶ [Html5test.com](#), [Canluse.com](#), and lots of others
- ▶ Adoption strategies: lowest common denominator, polyfill<sup>2</sup> enriched
- ▶ DEMO 1 - 2
  - ▶ <http://html5demo1.azurewebsites.net/Index.html>

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## What I learnt



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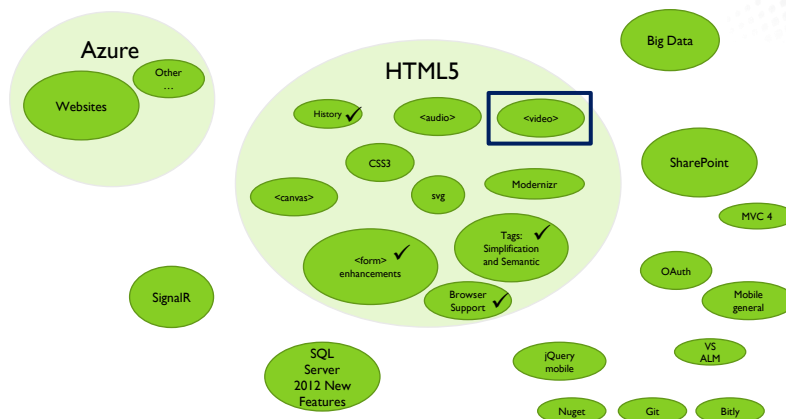
## HTML5 Form Enhancements

- ▶ **<input type=**
  - ▶ Email, url, search, number, date, time, color, etc
- ▶ **New attributes**
  - ▶ Placeholder, autofocus
- ▶ **Contenteditable**
- ▶ **Remember sites mentioned previously:**  
Html5test.com, canluse.com
- ▶ **Demo 3**
  - ▶ <http://html5demo1.azurewebsites.net/Demo03-NewInputTypes.html>

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## What I learnt



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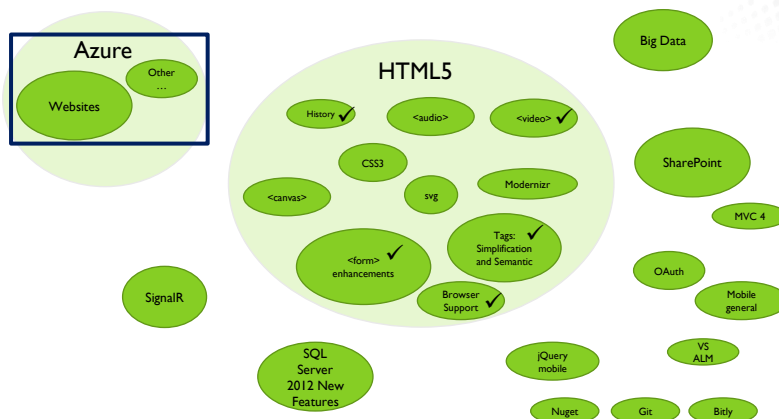
## HTML5 MultiMedia Enhancements

- ▶ New “audio” and “video” tags
- ▶ Demo 4
  - ▶ <http://html5demo1.azurewebsites.net/Demo04-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

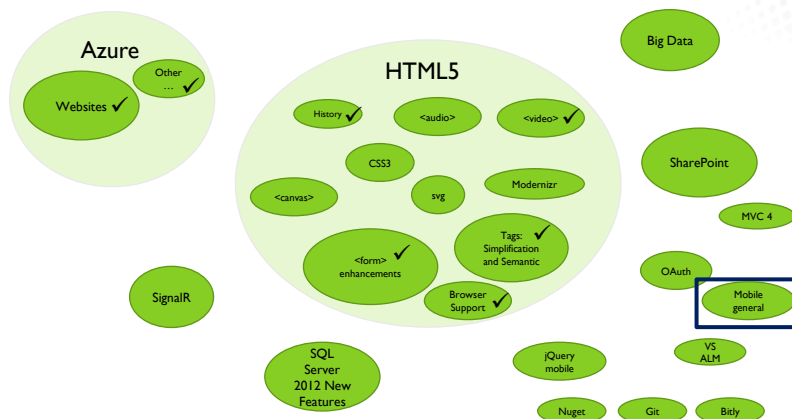
### ► Demo 5

- <https://manage.windowsazure.com>

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## What I learnt



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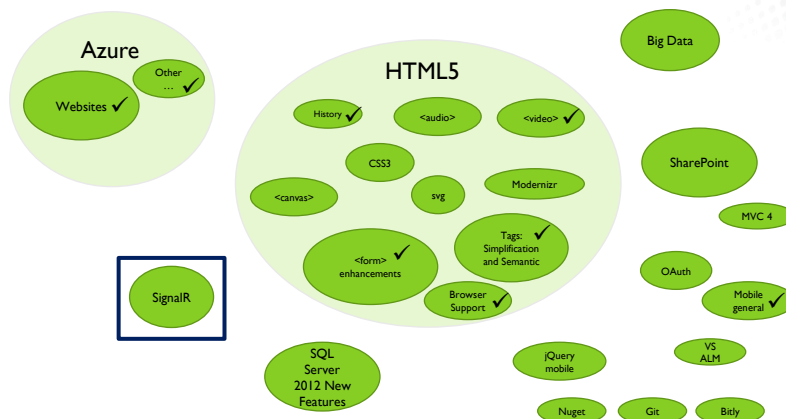
## Mobile

- ▶ 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 6
  - ▶ [Opera mobile emulator](#)
  - ▶ Page with and without meta tag

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## What I learnt



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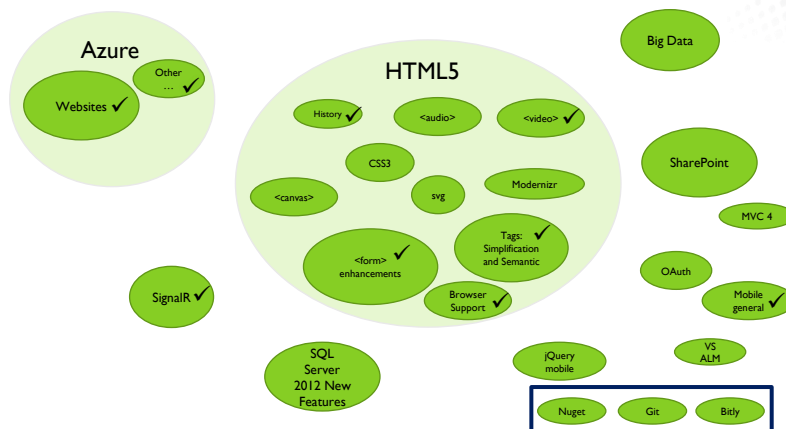
## Trends - SignalR

- ▶ Makes real-time HTTP so easy it seems like “magic”<sup>1</sup>
- ▶ An open source series of libraries that provide an abstraction around persistent HTTP connections<sup>2</sup>
- ▶ Demo 7
  - ▶ [Start up demo site on Azure](#)
  - ▶ 2 different demos here:
    - ▶ [HitCounter](#)
    - ▶ [Chat](#)

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## What I learnt



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## Other observations

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