Microsoft Tech Days

# Topics Covered

* Developing Windows-8 applications with HTML/JS.
* Designing windows store applications.
* IE-10 for developers.
* Developing applications for windows phone-8.
* Windows-8 & Azure mobile services.
* New in visual studio 2012.

# Brief details

### Developing Windows-8 applications with HTML/JS

* Introduction to WinJS wrapper.
* Integrated controls in WinJS for Applications.
* Process state transitions.
* Program life cycle management

### Designing windows store applications

* Design guidelines and rules for windows store applications.
* Touch interaction.
* Snapping and scaling.
* Contracts, charms, and capabilities.
* Tiles and notifications.
* Controls.
* Roaming to the cloud.

### IE-10 for developers

* Standards and support.
* New in developer tools.
* Optimization for touch screens (MS pointers API for touch UI).
* File reader API, CSS3, HTML-5, web sockets, web workers.
* User agent support.

### Developing applications for windows phone-8

* Migration from WP 7.5 to WP 8.
* Windows Phone Run time API.
* Windows and Windows Phone on the same 'shared core'.
* Driving application compatibility for Windows Phone applications.
* New programming approaches.

### Windows-8 & Azure mobile services

* [The Components of Windows Azure](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#components)
* [Execution Models](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#models)
* [Data Management](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#data)
* [Networking](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#networking)
* [High-Performance Computing (HPC)](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#HPC)
* [SDKs](http://www.windowsazure.com/en-us/develop/net/fundamentals/intro-to-windows-azure/#sdk)

### New in visual studio 2012

* [General User Interface Elements](http://msdn.microsoft.com/en-us/library/vstudio/2as5y4fk.aspx): Call Hierarchy, Convert Dialog Box.
* Code Editing for JavaScript:
  + Strict Mode in JavaScript.
  + Typed Arrays in JavaScript.
  + IntelliSense for function overloads and variables in JavaScript.
  + Go to Definition to locate function definitions in source code.
* Intellitrace.
* Code clone analysis.
* Code preview.
* IIS express for web development.
* Create code maps from the code editor.
* Record diagnostic events for SharePoint 2010 solutions that are running outside Visual Studio (Intellitrace).