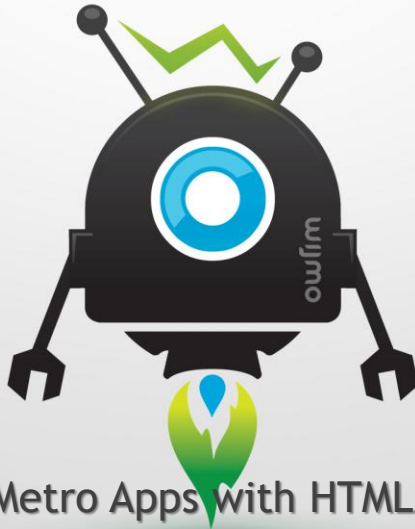




Windows 8 Metro Apps with HTML & jQuery

about:me



Rich Dudley
Technical Evangelist
@rj_dudley
c1.ms/cm2012

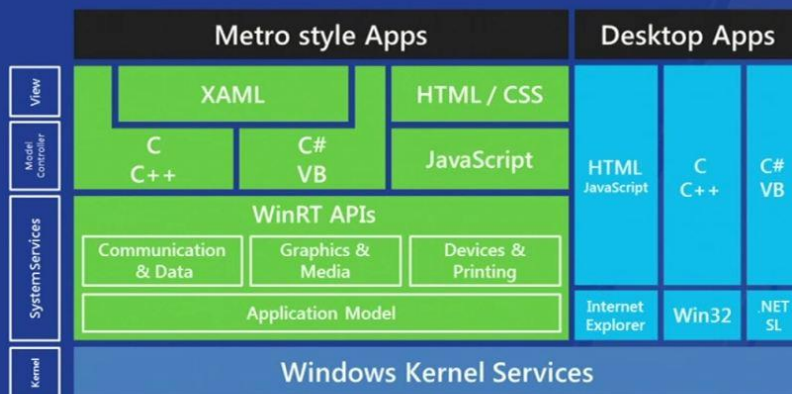


`$(this).baked('not');`

- Somewhere between alpha and first beta
- More than 1 year from RTM
- Don't draw any conclusions from what you see
- Dev platform could all change tomorrow
- Or not



Windows 8 Platform and Tools



www.buildwindows.com



`$('metro').choose();`

- X86/x64 and ARM compatibility
- Windows Store (inc. trial API)
- Inter-app communication
- Better touch support
- Cloud sync with Live API
- Windows Phone 8 = Windows 8?



`$('runtime').toggle();`

- Two different runtimes - WinRT or Win32
- WinRT apps are sandboxed
- XAML + C/C++/C#/VB.NET or HTML + JS
- Not a different .NET - “profiled”
- Metro apps (even HTML/JS) are native WinRT apps
- HTML/JS are IE 10 only



`$('buzzwords').getList()`

- Charms
- Tailored
- Immersive
- Connected
- Fluid
- Touch-first
- Interactive
- User multitasking



`$('tools').get();`

- VS 11 Express (inc. in ISO)
- VS 11 Ultimate (Build USB or download)
- Blend 5 for HTML
- New templates; same in all languages



`$('dev').how();`

- HTML is UI, JS is like code behind
- Single-page apps
- More like writing user controls—only a portion of the HTML page is used
- Have to put HTML and JS code in special containers
- Cross domain requests and unsafe scripts



`$('winRt').context();`

- Local
 - Full access to WinRT
 - Limited web access
 - Scripts must be packaged
- Web
 - No access to WinRT
 - Can make arbitrary web calls
 - Scripts from CDN



`$('data').access();`

- No direct SQL Server drivers!
- WCF
- Isolated Storage
- IndexedDB
- Local libraries and devices



`$('metro').design()`

- 8 Traits of Great Metro Style Apps
<http://channel9.msdn.com/Events/BUILD/BUILD2011/BPS-1004>
- Build for app scaling/resizing
 - CSS3 media queries
 - CSS grids (960.gs) + flexible controls
 - SVG or pre-scaled images
 - Snap!



`$.navigateTo();`

- One page applications
- iFrame or WinJS fragments
- Context affects behavior of iFrame



`$('appState').preserve();`

- DOMContentLoaded
- “Activated”
- Window.load
- “Suspending”
- “Resuming”



```
$( 'bugs' ).find();
```

- IE10 only
- No developer tools (F12)
- No view source
- Primarily VS debugger
- Simulator target
- MessageDialog



```
$( 'demo' ).show();
```



`$('resources').use();`

- Developing basic Metro style apps (JavaScript) <http://c1.ms/4f>
- UX guidelines for Metro style app development <http://c1.ms/3u>
- Recap post at <http://c1.ms/cm2012>



<http://c1.ms/IT>