

Windows 8 Metro Apps with HTML & jQuery

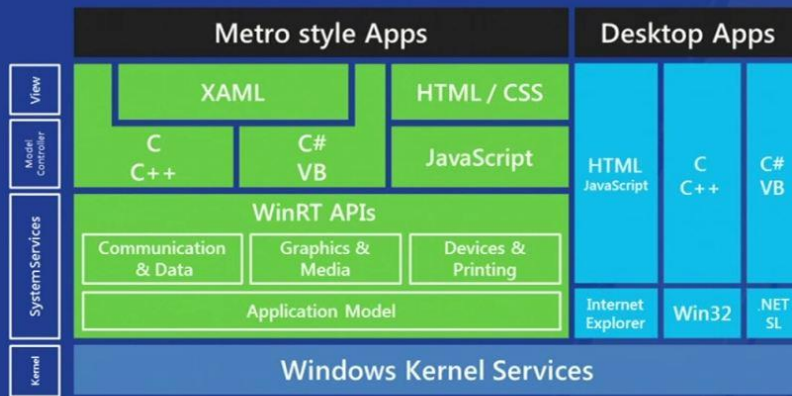
about:me



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Windows 8 Platform and Tools



`$(this).future().has()`

- .NET has a future
- WinForms, Silverlight and WPF are alive and well
- “If it runs on Windows 7, it will run on Windows 8” (maybe)
- Long term, think of “XAML”



`$(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



`$('Win8').start();`

- Three versions
 - Windows Developer Preview 32 and 64 bit
 - Windows Dev Preview w/ Tools 64 bit
- Installation
 - VirtualBox or VMWare
 - Dual-boot with bootable VHD
 - Clean install on Win7 hardware
 - Live DVD/USB



`$('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



`$('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



```
$(‘metro’).choose();
```

- x86 and ARM compatability
- Windows Store (inc. trial API)
- Inter-app communication
- Better touch support
- Cloud sync with Live API
- Windows Phone 8 = Windows 8?



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

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



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

- IE10 only
- No developer tools (F12)
- No view source
- Primarily VS debugger
- MatDialog



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

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



`$(this).learn();`

- WCF and WebAPI
- REST
- JSON
- jQuery.ajax()
- Wijmo



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



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

- Windows 8 First Apps
<https://buildwindowscontest.com/>
- UX guidelines for Metro style app development: <http://c1.ms/3u>
- Recap post at <http://c1.ms/3v>





<http://c1.ms/IT>