

Will Apps End the SharePoint Cold War?
(in five minutes or less)

Sean McDonough

Cold War?



Developers

versus

Administrators



Ask a dev ...

- Building solutions for SharePoint is hard!
- Setting up SharePoint just to develop is hard
- I'm just trying to solve business problems using the tools available to me



Ask a dev about admins ...

- They come up with policies just to block our solutions and what they do
- They just seem to want more and more documentation. I spend all day writing!



Flatline my farm and I'm gonna do some dental work!

- They're a bunch of trolls!



Ask an admin ...

- Keeping a SharePoint farm running is hard!
- Farm administration gets harder with each release
- When something goes wrong, I'm the one who gets called and yelled at

Ask an admin about devs ...

- I tune it up, and their custom code tanks my farm's performance
- `RunWithElevatedPrivileges` isn't the norm; devs need to learn how security works

- Someone dies the next time I hear, "well, it worked on *my* machine"



A photograph of a bright blue sky filled with large, white, fluffy cumulus clouds. The clouds are scattered across the frame, with some appearing more prominent than others. The overall scene is bright and clear.

How did it
come to this?

Evolution of Development



2003



2007



2010



2003

lack of tooling

poor deployment management



2007

server-side development



2010

upgrade troubles

multi-tenancy options?

2013 is the "Year of the Cloud"



Evolution of Development



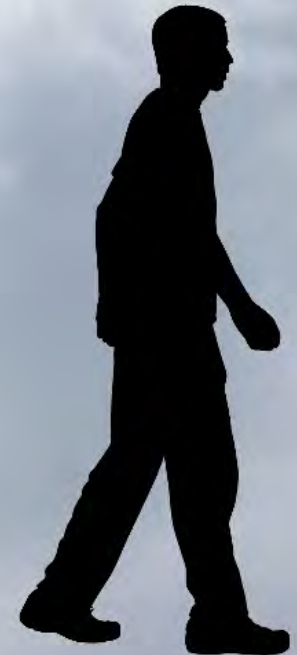
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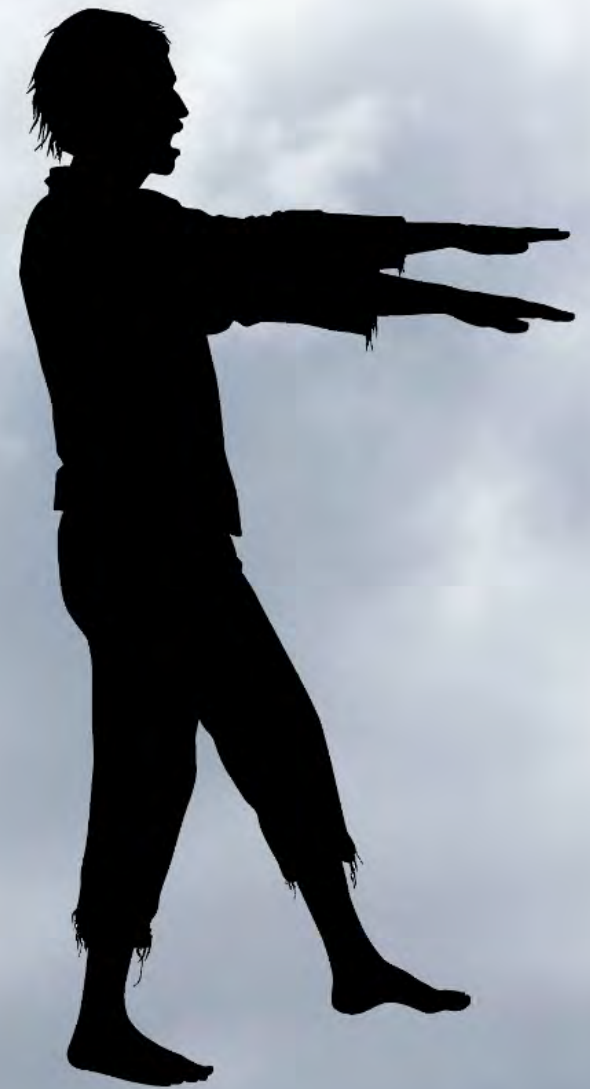
multi-tenancy options?

- custom code no longer runs on the SharePoint servers
it runs client-side and/or on "other" servers
- all run-time interactions with SharePoint take place
through CSOM and REST endpoints
can't take operational context for granted any longer
- time to learn HTML5, CSS3, JavaScript, jQuery, OAuth,
and a host of other nifty acronyms
"welcome to the New World ..."

2013

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"Welcome to the New World ..."

App
Model



2013

vNext

(aka, "Zombie Apocalypse")

Are you a developer?

If so, you might be wondering ...



How the #\$@! am I supposed
to build an application with
these constraints?

A photograph of a bright blue sky filled with soft, white, fluffy clouds. The clouds are scattered across the frame, with some larger patches and some smaller wisps. The overall scene is bright and airy.

I understand.

A photograph of a bright blue sky filled with soft, white, fluffy clouds. The clouds are scattered across the frame, with some larger, more prominent ones in the upper left and lower right, and smaller, wispy ones in the center and bottom. The overall scene is bright and airy.

I'm here to help.



Dr. Elisabeth Kübler-Ross

The Five Stages of Grief

1. Denial
2. Anger
3. Bargaining
4. Depression
5. Acceptance

Our goal



Acceptance is important

The App Store

The screenshot displays the Office Store interface. At the top, there's a navigation bar with 'Office' and 'Sign in | United States'. Below that, a search bar is labeled 'Search for apps'. The main content area features a large blue banner for 'The Quest Social Hub app for SharePoint' with a 'Try it for free' button. To the right of the banner is a grid of social media integration icons for Twitter, RSS, Facebook, and LinkedIn. Below the banner, there's a 'New Apps for SharePoint' section with five app cards: 'SharePoint 2013 Media Center App' (FREE), 'KW Marquee' (FREE), '_api JSON Viewer' (FREE), 'Map App' (FREE), and 'Survey Response Tool' (\$2.99). A 'Featured Apps for SharePoint' section is partially visible at the bottom with five more app icons.



A few things that everyone can agree are "good"



Farms and custom code can evolve independently. Think about how upgrades work now ...

Ownership in troubleshooting
is clearer (based on URL)

Apps deploy and retract cleanly

Standards-based development
means LAMP, J2EE, and other
developers can join the
SharePoint party!



Not a fit for every development task, but ...

There's lots to be happy about





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"Caching-In" for SharePoint

Performance

Tuesday
11:30am - 12:45pm

Code Solutions to Improve

SharePoint Performance

and Scalability via Caching

Wednesday
11:30am - 12:45pm

Enjoy the conference!

