SharePoint 2016 & The Future of SharePoint

David Mann
Office Server MVP
The Use of Pagan Symbolism in Arthurian Legend

Merlin is an Anagram for El Inmr – what does that mean?
About Me

• Who cares...let’s get to the good stuff. 😊
General Info

• **NOT** the last on-prem version
• Support for hybrid moving forward
Value Areas

• Cloud-inspired infrastructure
  • Based on what MS has learned running O365

• Compliance & Reporting
  • DLP, encryption, compliance
  • Reporting
  • Hybrid – spans cloud & on-prem environments

• User Experiences
  • Proven in O365
  • Seamless for Hybrid
New Features?

• Durable Links – only with OOS
• Fast Site Collection Creation
• Filenames - expanded support for special characters
• Identify and search for sensitive content
• Image and video previews
• MinRole
• AppLauncher UI
• Zero Downtime Patching
My Take...FWIW

• Not much new & sexy
• Lots of under-the-covers work to set the groundwork for future on-prem/hybrid installations, security and compliance, etc.
• Hybrid search will be nice
• Microsoft is the only (?) provider really offering solid, reliable hybrid scenarios
• Feature Packs (coming in 2017) – rebranded Service Packs?
  • SA only?
• Office Online Server (OOS) – hmmm...
The Future of SharePoint

Holy Sh*t! SharePoint Just Got It’s Mojo Back.
Disclaimer!

- Pre-Release
- Conceptual
- Noise
Open Discussion

• Ask Questions
  • (though I can’t promise to have all the answers)
  • Chime in if you know the answer

• Make Comments

• Add New Stuff that I missed
Poll

• How many people watched the event?
• How many people have read stuff online since the event?
Agenda

• New Stuff
• Dev Experience
• Miscellaneous
• Timeframes
SharePoint Mobile App
SharePoint Mobile App

- Platforms:
  - Windows
  - iOS
  - Android

- O365 & On-Prem (2013/2016)

- Multiple Auth Mechanisms
  - NTLM
  - FBA
  - AAD

- MDM via InTune

- Multiple Account Support!
Home & Team Site Experience
Home

- Content from old Sites page
- Active & Followed Sites
- Company-wide links
- Suggested sites
- **Graph** to personalize/target
- Same content as mobile
Team Sites

• Merging of Groups and Team Sites
  • Creating a team site automagically creates an associated Group

• Mobile or Browser

• Content driven by Graph
Site Contents Page

- Analytics
Flow & Power Apps
Microsoft Flow

- *IFTTT* from Microsoft
- Connectors for integrations
- Create directly from List/Library
PowerApps

• Build apps without code
• Mobile and browser
• Create from SharePoint
  • Skeleton app with context and schema
• (Session next month)
File Sharing
OneDrive & Team Sites

• **OneDrive**: *My Documents* in the cloud...
  • Personal and small-group

• **Team Site**: Broadly-shared and published content
  • Company or larger group shared
  • “Official”
Copy from OneDrive to Team Site

- **Move** coming later
DocLib Enhancements

- OneDrive-like UI (in First Release)
  - Coming to Lists, too
- Pin to Top
- Drag & Drop metadata updates
- Link to Document
- Discover View
  - *Documents find you*
  - Powered by Graph
- Document-level analytics
  - *Instagram for Documents*
  - *(Narcissism at the office)*
Security, Privacy & Compliance
Security, Privacy & Compliance

• Dynamic conditional access policies
  • Who you are
  • Device/App
  • Network location

• Data Loss Protection policies
  • Sensitive content
  • Site-wide

• SharePoint Insights
  • Aggregate usage and compliance data from on-prem & cloud

• Custom encryption keys
The SharePoint Framework

Developers! Developers! Developers!
Another Fine Mess?

• Development Paradigm #4?
  • (server, sandbox, apps/add-ins)

• Cautiously optimistic…but want to be really excited!
  • Open Source Tooling/Support
  • Used internally at MS
SharePoint Framework

• Embracing open-source
• Will work on-prem
• Not tied to Windows any more
SharePoint Framework

• New page Structure
  • Provided:
    • Defined chrome UI
    • Data broker
    • Cache
    • Authentication
    • Telemetry
  • Page Body:
    • Specific experience
    • Client-side webparts
    • Canvas
      • WebPart Zones
      • Wiki Editor
Modern Toolchain

• SharePoint / Office 365
• Yeoman
• Editor/IDE:
  • Visual Studio Code
  • Visual Studio
  • Sublime
  • Whatever
• SharePoint Workbench
  • Test Harness – no SharePoint required!
  • Node
• Gulp
• Typescript
• Node.js
Miscellaneous

• Client-side Pages/Web Parts
  • Backward compatible
  • Any client side framework/toolset

• Webhooks
  • New Event Receivers

• Page-based apps: alternative to provider-hosted apps. HTML/CSS/JS

• List-based apps: evolution of JSLink for customizing list forms

• No iFrames!
Recommendations

• Think about introducing new Ribbon customizations, JSLink, Display Templates, UI Customizations, etc and delay if possible
• Learn JavaScript
Key Takeaways for Devs...

1. Learn JavaScript!
   • There just so happens to be this pretty good 3-part Pluralsight course...

2. Learn the tools – NPM/Node, **Gulp/Grunt**, Yeoman, Fiddler (or something similar)

3. Get comfortable with REST

4. Learn some frameworks/Libraries
   • Angular, Knockout & **React** seem to be popular, but there are lots of others
   • JQuery...not so much

5. Learn Microsoft Graph

6. Learn Typescript

7. Investigate programming against the Office Graph
Key Takeaways for Everyone

• Hold onto your hats!
Timeframes
Q2 2016 (Apr – June)

- Access to SharePoint Online document libraries and Office 365 Group files from the OneDrive mobile app.
- Intelligent discovery of documents from both OneDrive and SharePoint.
- Copy from OneDrive to SharePoint in the OneDrive web experience.
- OneDrive Universal Windows Platform (UWP) application.
- Dynamic conditional access policies.
Q3 2016 (Jul – Sept)

• SharePoint Framework & Workbench (First Release)
• The Files API on Microsoft Graph.
• SharePoint Webhooks (preview).
• Client-side web parts for existing pages (preview).
CY 2016

• Document analytics surfaced in OneDrive to provide insight into document usage, reach and impact.
• Synchronization of SharePoint Online document libraries with the new OneDrive sync client.
• Synchronization of shared folders with the new OneDrive sync client.
• Mobile access to SharePoint document libraries in on-premises farms.
• Move and copy files between OneDrive and SharePoint in web experiences.
CY 2016

• The Sites API on Microsoft Graph.
• SharePoint Webhooks (GA).
• Custom sites on the SharePoint Framework.
• New datacenters in Germany and Canada.
• Bring your own encryption key.
• Granular access controls.
• SharePoint site classification.
• Hybrid SharePoint Insights (preview).
Learn More

• Start here: https://blogs.office.com/2016/05/04/the-future-of-sharepoint/ and follow the links to the official information

• Watch the official videos: https://channel9.msdn.com/Shows/Mechanics/ - look for shows posted 5/4/16

• Read articles from folks who were in the Dev Kitchen: Doug Ware, Marc Anderson, Waldek Mastykarz, Mikael Svenson, Chris O’Brien*, Wictor Wilen, etc.

• Look out for second- and third-hand articles