

Exceptional service in the national interest



Leveraging the SharePoint Investment

(Thinking beyond file storage)

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Agenda

- Overview of Enterprise Collaboration Services (ECS)
- High level architectural designs of Sandia's SharePoint Infrastructure.
- Leveraging SharePoint Social Tools for Internal / External Collaboration
 - Community Sites – Collaboration Made Easy
 - Enterprise Search – Securely Finding What You Need
 - MySites – Social for the Enterprise
 - OneDrive for Business – Your Internal Cloud Storage
- SharePoint Application Development
 - Forms / Workflows
 - Branding
 - App Store
- Questions

Overview of ECS

Unified Messaging – Email & Voicemail

Exchange – SMTP Transport – SPAM / Malware – Distribution Lists – Room Calendars – Public Folders

SharePoint Products and Technologies

Business Intelligence – MySites and Social – Communities – Enterprise Search – TFS - Project

Real Time Collaboration – Skype for Business

Instant Messaging & Presence – Screen Sharing – A/V Conferencing – LYNC Room Systems – Telephony Integration – Legacy Room Integration

Advanced SharePoint Development & Support

Site Branding – Workflow & Form Development – Web Application Development – Development Farms

Mobility Support

Active Sync – Skype Access - MDM

Digital Media

Live Events – Media Archive Encoding

Managed File Transfer

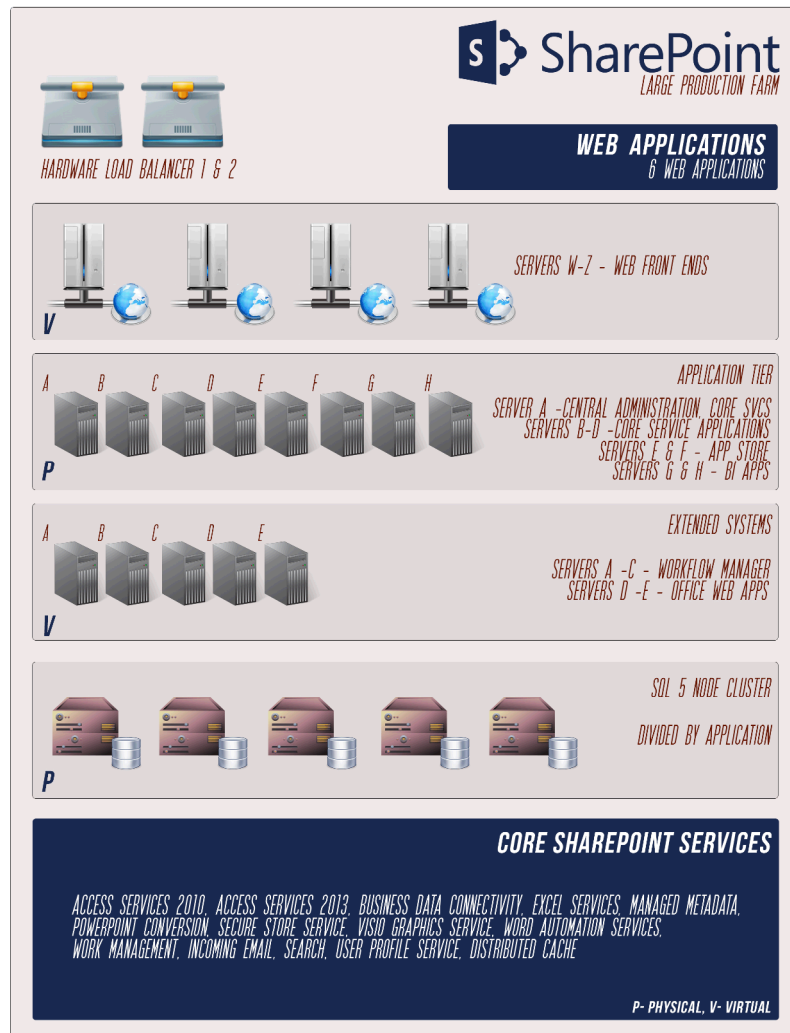
Active Sync – Skype Access - MDM

Custom Applications

Web Applications, Services and Scripts

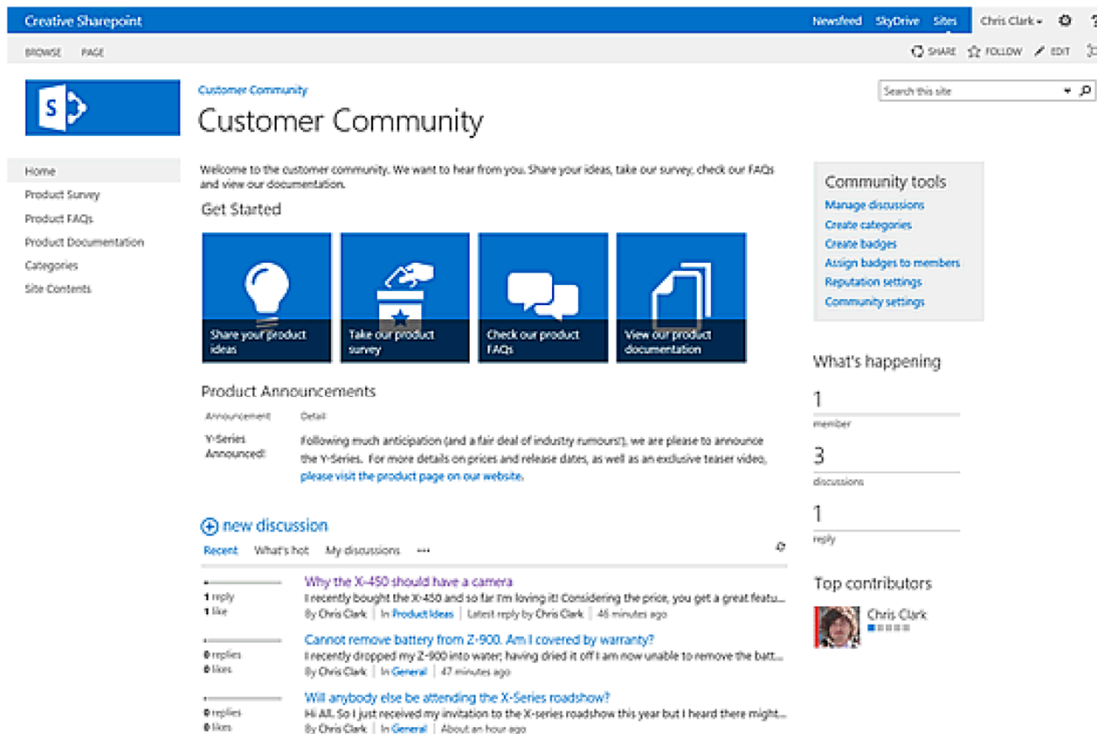
- Enterprise Collaboration Services
 - Managed by Scott Rogers, Lead by Scott Stephens
 - 14 ECS team members - *Design, implement and maintain agile, secure, scalable and Highly Available Enterprise Class Information Systems*
- Bryan Lopez
 - SharePoint Lead Architect for Enterprise Collaboration Services

High level architectural designs of Sandia's SharePoint Implementation



- 6 Farms Total
- Over 10 TB of Data
 - Over 6k Top level Sites
 - Over 60k Sites
- RBS for Large Sites
- Services are resilient
 - Automatic fail over if one server goes completely down
 - SharePoint services can be individually restarted with no impact
 - SQL Instances are divided by web application or service
- All frontend servers have a hardware load balancer sitting in front of them

Community Sites – Collaboration Made Easy



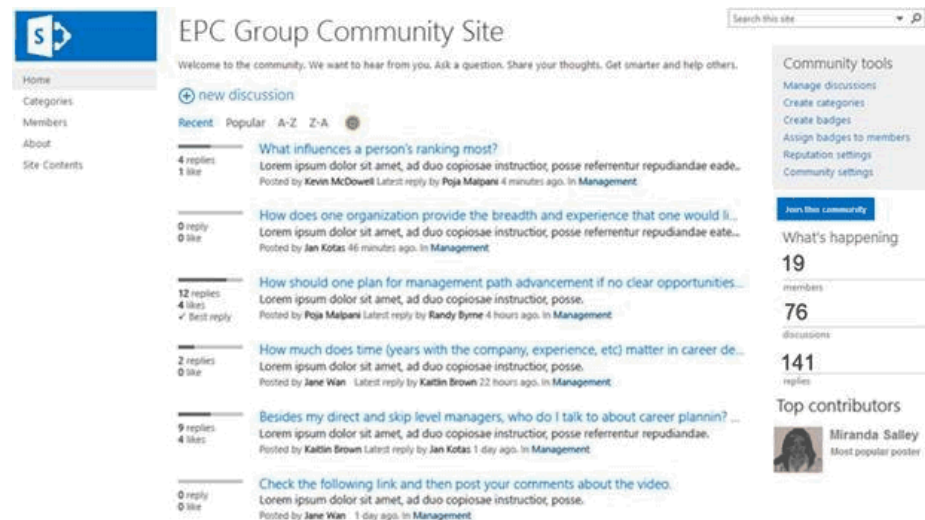
The screenshot shows a SharePoint 'Creative Sharepoint' site titled 'Customer Community'. The top navigation bar includes 'Newsfeed', 'SkyDrive', and 'Sites', along with a user profile for 'Chris Clark'. Below the navigation bar, there's a search bar and a 'Community tools' sidebar with links like 'Manage discussions', 'Create categories', and 'Assign badges to members'. The main content area features a 'Get Started' section with four tiles: 'Share your product ideas', 'Take our product survey', 'Check our product FAQs', and 'View our product documentation'. Below this is a 'Product Announcements' section with a post about the 'Y-Series'. At the bottom, there's a 'new discussion' section with three threads, each showing the number of replies and likes.

- Forum Like Discussions
- Browse Relevant Threads by Category
- Gamification – Earn badges
- Social Integration
 - Hashtags
 - Likes
 - Mentions
 - Replies
- Searchable
- Best Answers

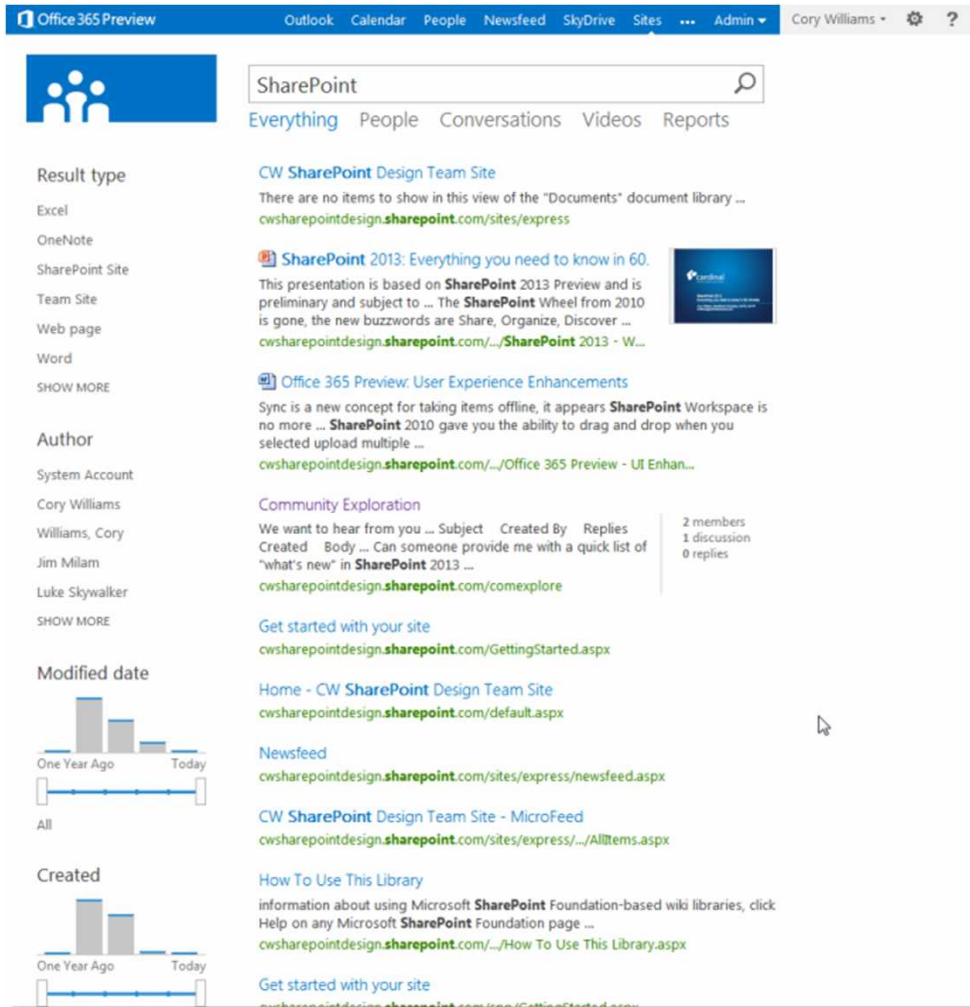
Community Sites – Collaboration Made Easy

Sandia Use Cases

- Technical Forums
- Project Collaboration
- Event Collaboration
- Product Dialogue
- Hobby Collaboration



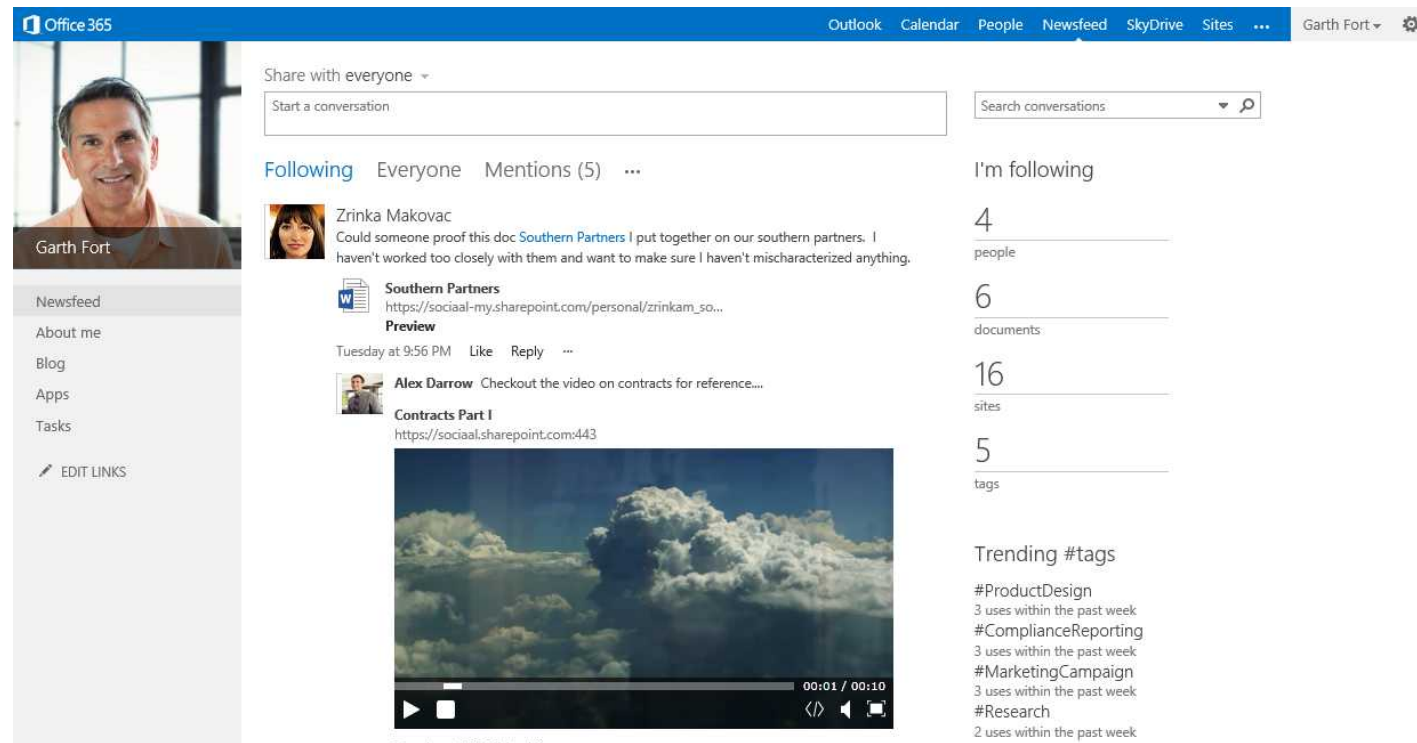
Enterprise Search – Securely Finding What You Need



- Conversation Search
- Refiners
- OWA
- Site Previews (Per Web App)
- Customizable Interface
- Conversation Search
- Refiners
- OWA
- Site Previews (Per Web App)
- Customizable Interface

MySites – Social for the Enterprise

- Newsfeeds – Social (FaceBook like) Timelines
- Blog
- App Store
- Tasks
- Quick Links
- Hashtags
- Social
- Mentoring
- Skills
- Rich Data



OneDrive for Business

- **Three Flavors of OneDrive**

- On Prem, o365 and Personal

- **On Prem Features**

- **Multiple Clients**

- Web (Drag and Drop)
- Windows Client / SYNC
- iOS Client / SYNC & Cache
- Mac OSX – Coming Soon

- **SharePoint Features**

- Versions, Metadata, View Options Recycle Bin, Backups
- Search
- Collaboration
- Workflow
- OWA
- Reverse Proxy Access
- Secure


OneDrive @ niaulin

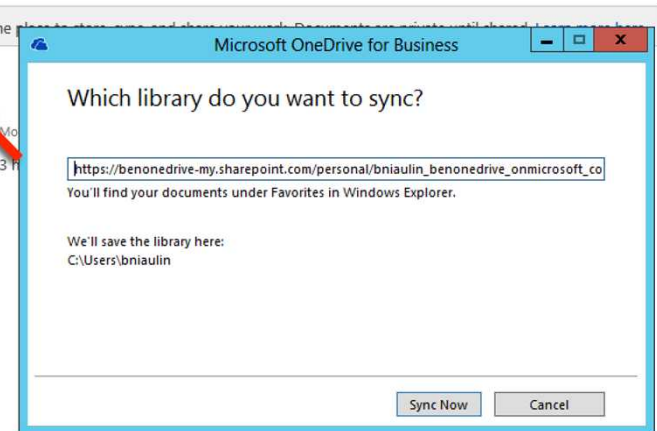
Documents

Welcome to your OneDrive for Business, the

[new](#) [upload](#) [sync](#)

✓  Name

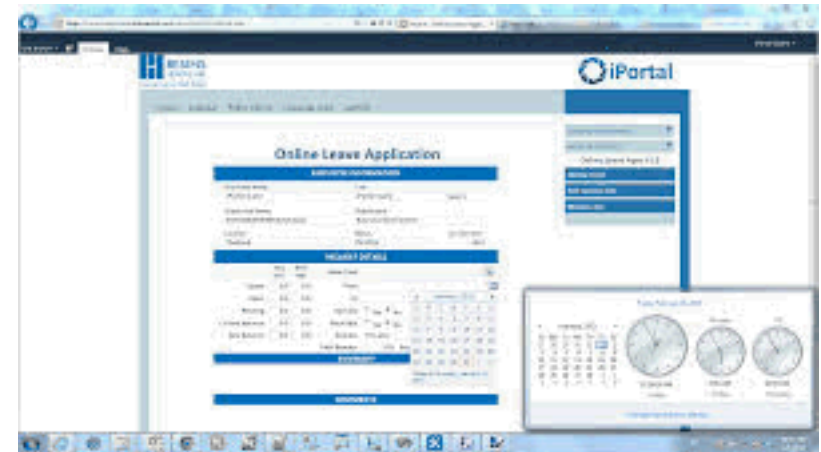
 Shared with Everyone ... 3



Forms / Workflows

■ Forms

- Multiple Data Sources
- Conditions and Steps
- Drive Proper Behavior and Responses
- Example Sandia Password Pickup
 - Multiple Lists
 - » Events lists Managed by PWA
 - » Calendar
 - » Registration
 - » CAS (DB Lookup)



■ Workflows

- Actions – Emails, Looping, Update Items, Impersonate, Start Secondary WF
- Conditions and Steps
- Approval

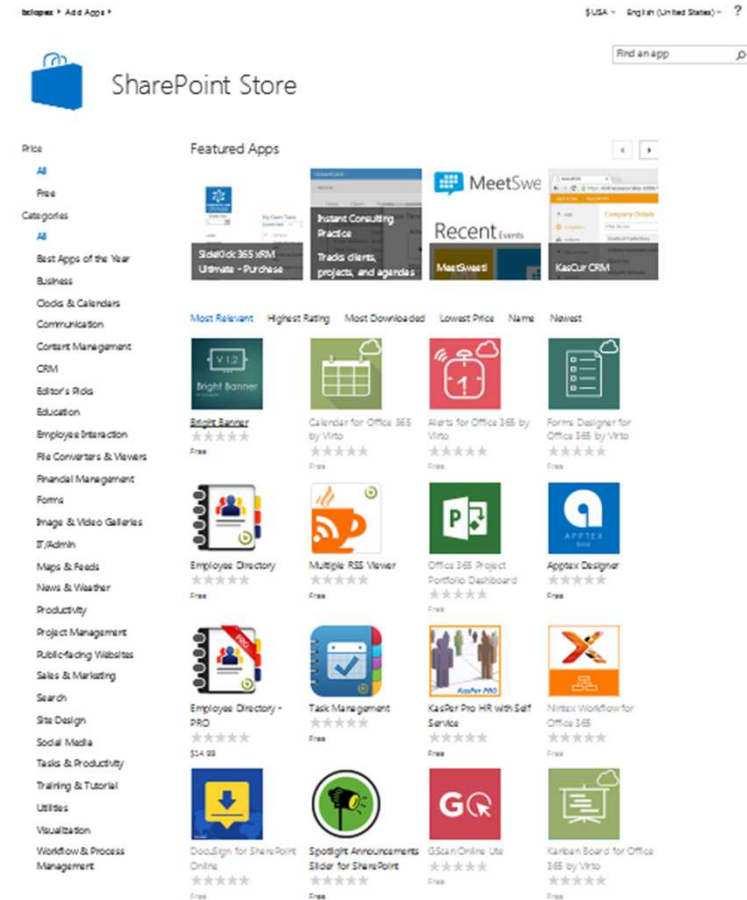
Branding

- **Self Service Templates**
 - Easy to Deploy
 - Hands off for Developers
 - Doesn't look like "SharePoint"
- **Custom Branding**
 - Done by Local Groups
 - Dedicated SharePoint Developers
 - Unique Designs
 - HTML5 & jQuery



App Store

- **No Code Required**
 - Forms
 - Tickers
 - Branding
 - Sliders
 - Widgets
- **Easy License Management**
- **Low Cost**
- **Quick Turn Around**
- **Localized To Site**
- **No Farm Solutions Installed**



QUESTIONS?

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