

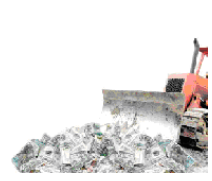


# CLIENT WEBINAR SERIES

Time to Reach New Heights

## Cloud Drive Integration

March 12, 2015



# Agenda

## Cloud Drive Integration

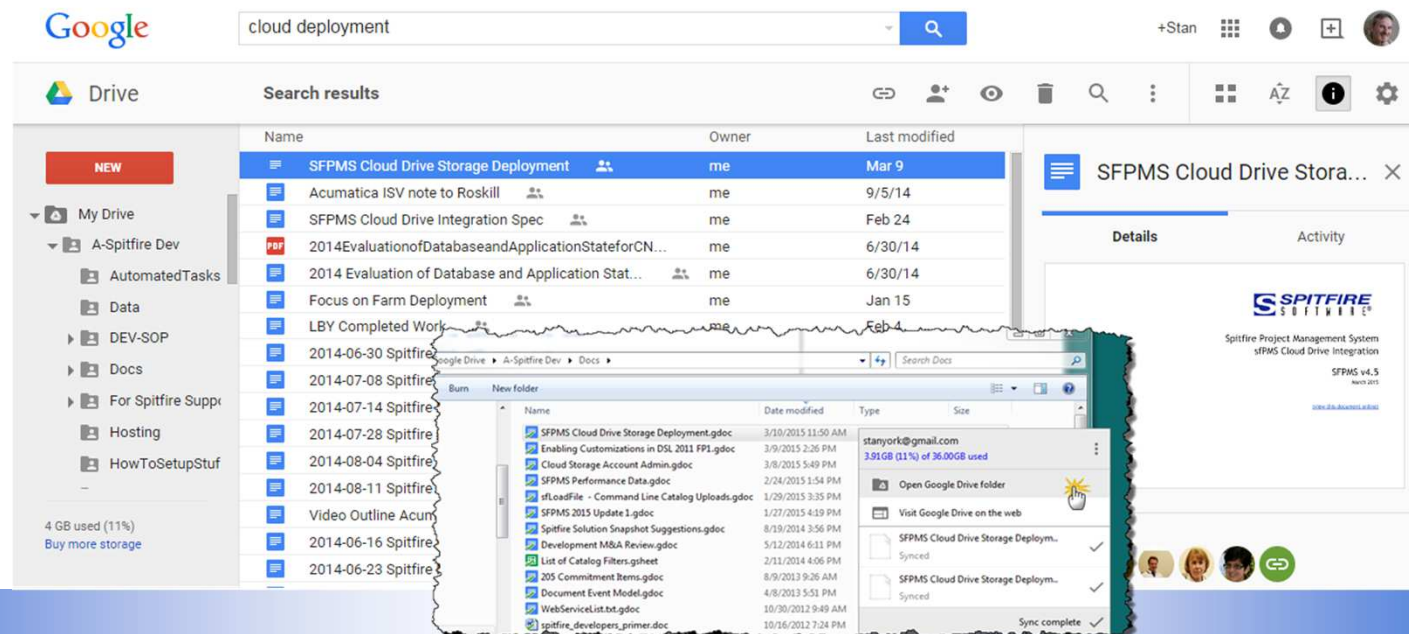
- What's a Cloud Drive
  - And why you might be using them
  - And why you wish you weren't
- Spitfire Catalog
  - And document attachments
- S'mores!
  - Some things are better together!



# What's a Cloud Drive?



























- Stores files, specializes in being accessible from anywhere
- Provides device synchronization (keeps your iPad up-to-date)
- Allows access from native tools – then updates the cloud drive



# sfPMS Catalog

- Stores files...specializes in tracking revisions and when and to whom the various versions were sent over time.
- Attachments and Organization!
  - Templates and Native Office Integration
- Accessible from anywhere – but...
  - Requires access to sfPMS
  - Not as friendly for third parties

Attachments		Route Detail						
		Name	Size	Note	Item	Incl	Seq	Cataloged
		DSCN2031.JPG - 0001	844KB	First floor restroom...	<input type="text"/>	Assemble		5/4/2009
		DSCN2036.JPG - 0001	822KB	Third floor lighting	<input type="text"/>	Assemble		5/4/2009
		DSCN2039.JPG - 0001	804KB	Third floor hung cel...	<input type="text"/>	Assemble		5/4/2009
		DSCN2043.JPG - 0001	760KB	Second floor northwe...	<input type="text"/>	Assemble		5/4/2009
		IMG_7286.JPG - 0001	406KB	Printers	<input type="text"/>	Assemble		3/20/2012
		IMG_7284.JPG - 0001	563KB	Phone System	<input type="text"/>	Assemble		3/20/2012
		IMG_7283.JPG - 0001	503KB	Server Rack	<input type="text"/>	Assemble		3/20/2012
		IMG_7285.JPG - 0001	824KB	Northwest Window	<input type="text"/>	Assemble		3/20/2012

Note: One or more Attachments will be created from templates when this document is routed.



# Why Cloud Drives?



- Works with more devices (iPad, tablets, Windows, Macs...)
- Friendlier 3<sup>rd</sup> Party access
- 3<sup>rd</sup> Party Tool integration Bluebeam (and the



# Downside of Cloud Drives?



- **Much** harder to keep organized
- Does not understand the same file in multiple places!
- Too much 3<sup>rd</sup> party access
- Loss of control over versions / revisions



# Best of Both Combined!



## Cloud Drive Integration

Attachments

Route Detail

	Name	Size	Note	Item	Incl		
	DSCN2031.JPG - 0001	844KB	First floor restroom...		Assemble		4/2009
	DSCN2036.JPG - 0001	822KB	Third floor lighting		Assemble		5/4/2009
	DSCN2039.JPG - 0001	804KB	Third floor hung cel...		Assemble		5/4/2009
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	IMG_7286.JPG - 0001	406KB	Printers		Assemble		3/20/2012
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	IMG_7283.JPG - 0001	503KB	Server Rack		Assemble		3/20/2012
	IMG_7285.JPG - 0001	824KB	Northwest Window		Assemble		3/20/2012

Last sent to Cloud Storage 3/10/2015 10:30:43 AM

Note: One or more Attachments will be created from templates when this document is routed.

mx Search Files

GC003 - Norther... Daily Field Report 0001 - Report for Tuesday Feb 1...

Upload

New...

More

Report for Tuesday Feb 17, 2015.htm

Uploaded today by sfPMS Sync - 535 B

DSCN2036.JPG

Uploaded today by sfPMS Sync - 822.4 KB

9.JPG

Uploaded today by sfPMS Sync - 804.5 KB

.JPG

Uploaded today by sfPMS Sync - 563.2 KB

IMG\_7283.JPG

Uploaded today by sfPMS Sync - 503.2 KB

IMG\_7285.JPG

Uploaded today by sfPMS Sync - 824.5 KB

DSCN2031.JPG

Uploaded today by sfPMS Sync - 844.1 KB

DSCN2043.JPG

Uploaded today by sfPMS Sync - 760.5 KB

IMG\_7286.JPG

Uploaded today by sfPMS Sync - 405.8 KB

Collaborators

sfPMS : Owner

Stan Yo Viewer

Soni Yo Viewer

Invite

You do not have j collaborators. P folder owner a

Link to Folder

Share





# Benefits



- Improves access: ubiquitous 'anywhere, anytime, any device' to project documents, **on your terms**
- Make it easier to add (or update) files in the SFPMS catalog from any device
- Take advantage of third party applications for modifying Microsoft Office and PDF documents, particularly on tablets

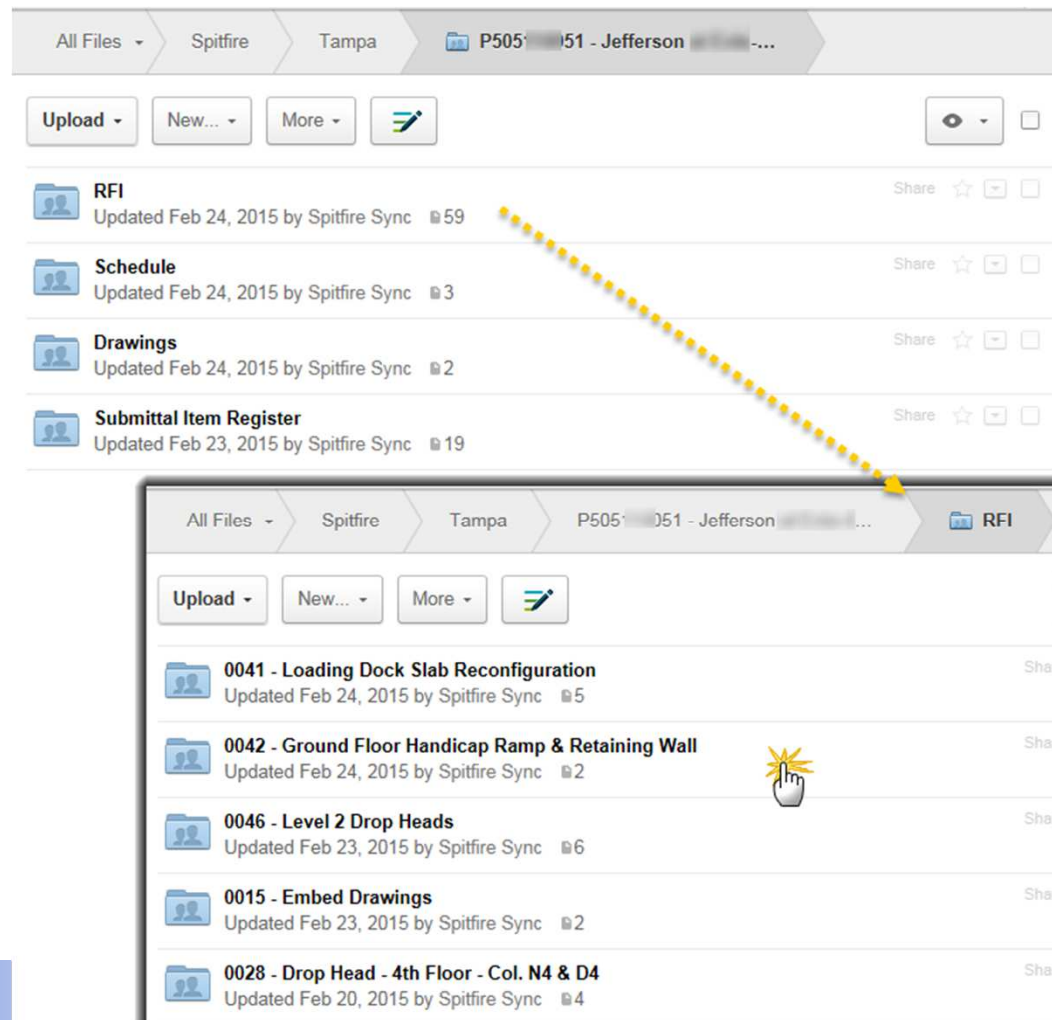




# Best of Both Combined!



## Cloud Drive Integration



The screenshot illustrates the 'Cloud Drive Integration' feature of Spitfire Sync. It shows two overlapping file browser windows. The top window represents a local drive (Tampa) containing folders like RFI, Schedule, Drawings, and Submittal Item Register. The bottom window represents a cloud drive (P505 - Jefferson) containing specific drawing files. A yellow dotted arrow points from the 'RFI' folder in the top window to the 'RFI' folder in the bottom window, indicating the integration point. A hand cursor icon is shown hovering over the '0042 - Ground Floor Handicap Ramp & Retaining Wall' file in the bottom window.

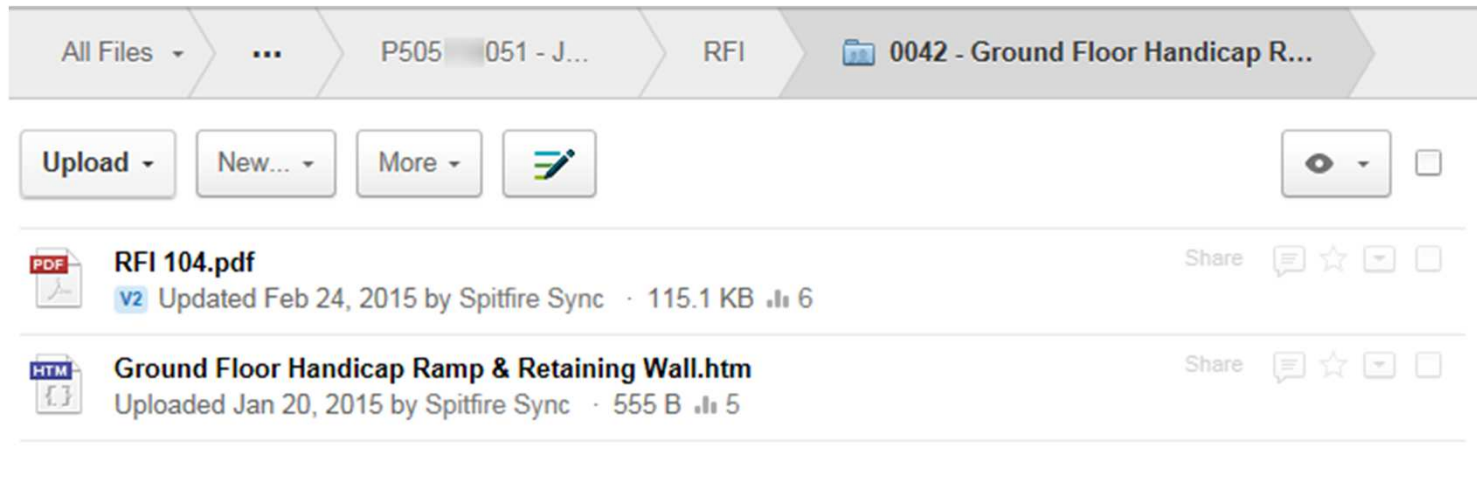
File/Folder Name	Updated By	Count
RFI	Updated Feb 24, 2015 by Spitfire Sync	59
Schedule	Updated Feb 24, 2015 by Spitfire Sync	3
Drawings	Updated Feb 24, 2015 by Spitfire Sync	2
Submittal Item Register	Updated Feb 23, 2015 by Spitfire Sync	19
0041 - Loading Dock Slab Reconfiguration	Updated Feb 24, 2015 by Spitfire Sync	5
0042 - Ground Floor Handicap Ramp & Retaining Wall	Updated Feb 24, 2015 by Spitfire Sync	2
0046 - Level 2 Drop Heads	Updated Feb 23, 2015 by Spitfire Sync	6
0015 - Embed Drawings	Updated Feb 23, 2015 by Spitfire Sync	2
0028 - Drop Head - 4th Floor - Col. N4 & D4	Updated Feb 20, 2015 by Spitfire Sync	4



# Best of Both Combined!



## Cloud Drive Integration



# Best of Both Combined!



Cloud Drive Integration

Let's see this in action!



# What we saw...



## Cloud Drive Integration

- Document Folder Structure
  - Project
    - Document Type
      - Documents
- Routed a Daily Field Report
  - Its Template
  - iPad Access
- RFI with Drawing
  - Drawing updated on another document
- Files added by 3<sup>rd</sup> Parties



# Risks and Shortcomings



## Cloud Drive Integration





- You are responsible for sharing and controlling access to the folders using the Cloud Providers tools.
- Files in the cloud say they were last updated by SFPMS (or whatever name is given the cloud credentials assigned for use by SFPMS), rather than by the specific person who actually updated the file in SFPMS.
- Although we expect sync delays to be reasonable, it will be possible for a time gap between adding a new file on one end (say SFPMS) and the updated file appearing on one specific individuals device (perhaps an iPad).
- Unlike SFPMS, the cloud storage providers seem to lack universal locking, so version conflicts may have to be resolved from time to time. Conflict resolution will involve the use of file version history and promoting the correct version.
- Bandwidth is consumed by this feature



# Provider Comparison



## Cloud Drive Integration

	Speed	File Dup	From Whom	Hash	Push
	60.7	Y	Y	Y	TBD
	67.7	Y	Y	x	TBD
	289	?	x	?	TBD
	19.7	Y	x	Y	TBD



# Setup (overview)



## Cloud Drive Integration

The basic setup steps are

1. Review the catalog file `zPublicHTML\CloudFolderLinkInfo.htm`
2. Enter Drive Provider(s) using System Admin Cloud Drives Tool
3. Get connection secrets from Spitfire - **service agreement required**
  1. Enter the secrets using ICTool
4. Review the Doc Types and check the doc types to be published. You can start with just one or two and build up.
  1. Review Status rules to determine when documents are published
  2. Review CloudStorageConfig Rules
5. Connect a project with a Cloud Drive using the Project tab on the Project Setup document





# Costs



## Cloud Drive Integration

Specifically: there is no anticipated effect on cost due to number of projects or number of files. The Cloud Storage provider fees may be based upon the total size of files stored in the cloud.

- One Time Fee for the Add-on Module (lease terms available)
- Annual Services Charges for Cloud Connection. These cost will vary based on the number of different Cloud Storage providers. The number of projects or files does not matter.
- Third Party Services Charges for Cloud Storage and Cloud Accounts will be additional. One new administrative user per cloud provider will be required. Refer to agreements with your Cloud Provider for associated costs.



# Thank You for Joining this Webinar

## Mark your calendar for our Next Webinar

### Rules You Can Use!

April 9<sup>th</sup> – 1:00 pm EST

**Have a topic you'd like included in an upcoming Webinar?**

Send your suggestion to [dmcgovern@spitfiremanagement.com](mailto:dmcgovern@spitfiremanagement.com)

