

# PTC® Live Global

## PART 108 Google for Work Applications: Enterprise-Class Collaboration and Search Integrations for PTC Windchill

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Nashville, TN  
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### Agenda

PTC® Live  
Global

- Introductions & Fishbowl Overview
- Google for Work Applications Overview
- Fishbowl's Google for Work Solutions
  - Google Drive integration with PTC Windchill
  - Google Search Connector for PTC Windchill
- Questions?



Partnering with businesses to solve costly and frustrating knowledge sharing problems.

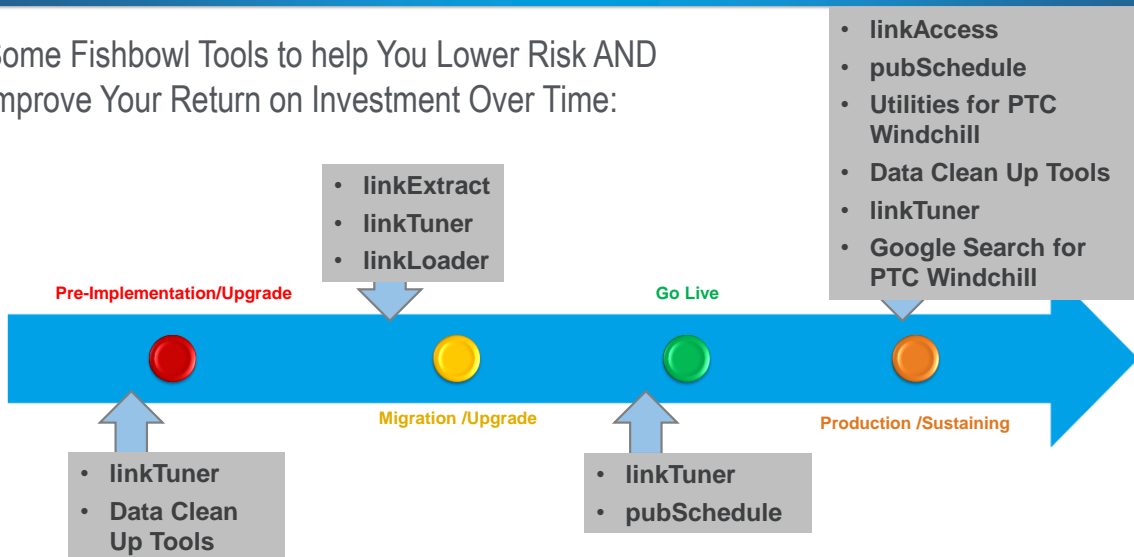


- Exceeding Customer Expectation Since 1999
- Gold Level Software Member of PTC Partner Advantage
- Windchill & Creo Expertise – 100s of projects
- Google Enterprise Partner
- 3 certified GSA Deployment Specialists



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Some Fishbowl Tools to help You Lower Risk AND Improve Your Return on Investment Over Time:



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**Enterprise Search across Business Systems**

Jumpstart services and software leveraging the Google Search Appliance



**Product Development Automation**

Software and consulting services to streamline manual and repetitive PDM and PLM tasks



**Quality Document Management & Control**

Simple, robust software to streamline document authoring and review and automate overall policy and procedure management



**Self-Service Portals**

Jumpstart services and software for Employee Intranets, Partner Extranets and Global Customer/Supplier Portals



**User Experience & Mobile Design and Development**

Responsive and adaptive design for desktop and mobile

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- Spending too much time looking for and recreating content
- **Collaboration process separated from design process because of disconnected systems**
- Finding content requires paging through a lot of noise
- **Non-Windchill users don't have access to relevant existing in the system**
- No way to suggest search terms to users to help direct them to relevant content
- **Poor relevancy of search results within business system**
- Multiple names for the same thing mean users find only some relevant content or must perform multiple searches
- Inability to report on what users are searching for
- Inability to promote or feature specific content items or content groups
- Difficulty segmenting content by metadata, source, or other categories
- **Associating collaborative content to PDM/PLM content requires many manual steps**
- Difficulty translating content across multiple languages

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- Tools that provide security and reliability **to work the way you live**
- Google Apps
  - Gmail
  - Hangouts
  - Calendar
  - Docs
  - Drive
- Google Search
  - Google Site Search
  - **Google Search Appliance**

Google  
Apps for Work

Google Search for Work

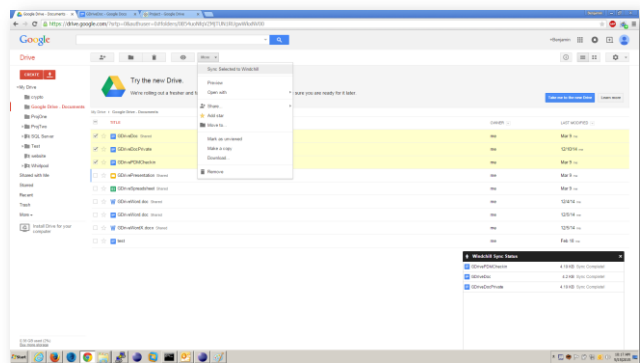
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## Google Drive - Overview

- Store, sync and share files from any device
- Support over 40 file formats
- Permission based access controls
- 15 GB of FREE storage
  - Premium versions includes more storage
- 240 million active users



Google Drive



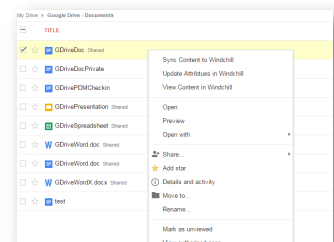
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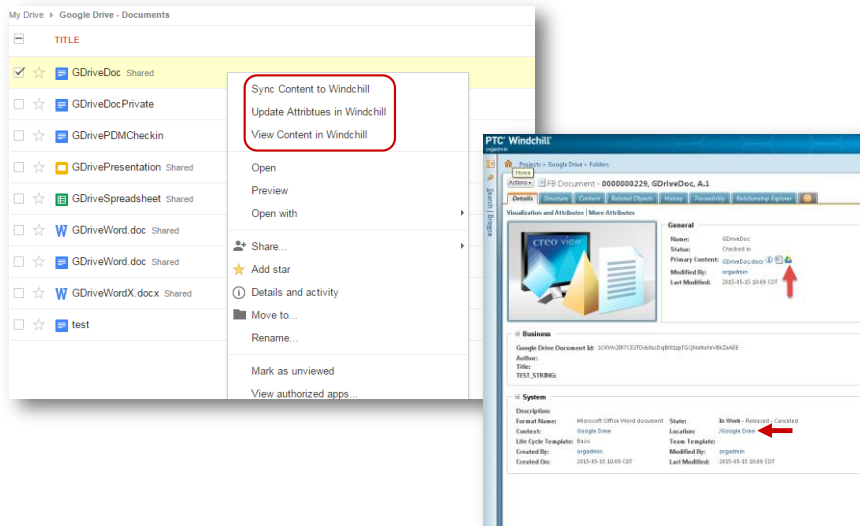
- What is it?
  - Configurable interface application to publish content from Google Drive to PTC Windchill
- What business problems does it solve?
  - Keeps documents/data in sync between systems
  - Ensures final versions of in-process (collaborative) content gets published to Windchill
  - Enables organizations to utilize best-in-class collaboration and PDM/PLM systems *together*
- What are some use cases?
  - Product managers iterating on new products/new features before design phase
  - Test engineers conducting tests and sharing results to get feedback
  - Marketing teams collaborating on case studies and product positioning documents



## Google Drive for Windchill Integration - Features

- Interface
  - Google Drive button (icon)
    - Publish – add new document to PTC Windchill
    - In Sync – documents are in sync between systems
    - Update – re-publishes document to PTC Windchill
      - Check in form presented allowing users to change attribute values
  - PTC Windchill
    - Attributes icon that informs users what documents have been published from Google Drive
    - Link from Windchill to open document in Google Drive
- Supported Content
  - Engineering Documents / Project Documents
    - 8D, A3, FMEA, DVP, CPM, Guidelines, etc.
- Security
  - PTC Windchill Basic Authentication leveraged when users are adding/updating documents
  - User must have write access to project in Windchill
  - Read-only documents available in PTC Windchill and document deletes must occur from PTC Windchill



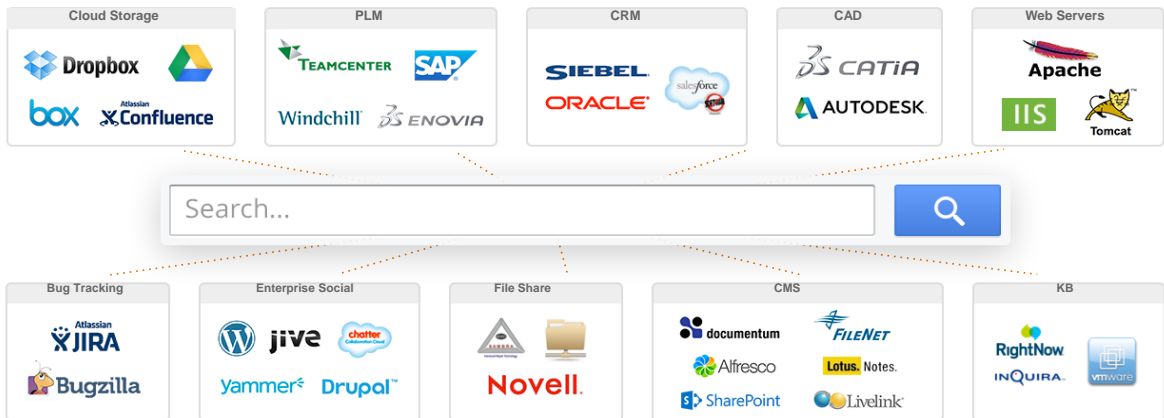


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- Scalable hardware solution
  - Index up to 100 million items on a single appliance
- Google-like search experience for your organization's internal systems and data
- Provides
  - Query interpretation, relevancy algorithms, document previews, user-added results, dynamic navigation, and more...



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Version	Focus
<b>Version 1.0</b> June 2014	Feed items from PTC Windchill to the GSA for indexing
<b>Version 2.0</b> Jan 2015	Support for Early Binding Authorization  Ability to search and return product and library results from PTC Windchill ProjectLink and PTC Windchill PartsLink

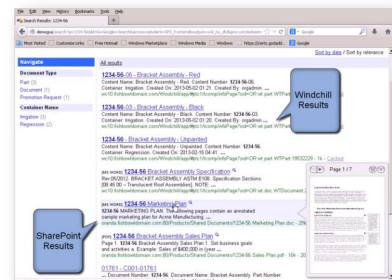
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- What is it?
  - Configurable connector that securely feeds PTC Windchill items to the GSA for indexing
- What business problems does it solve?
  - Provides a single search interface to search across multiple content repositories
  - Enables LOB employees to access information in PTC Windchill - for collateral creation (drawings, etc.)
  - Less programming/search tuning and more finding
- What are some use cases?
  - Non-Windchill users – provide access to content
  - Enterprise or Federated Search across multiple repositories



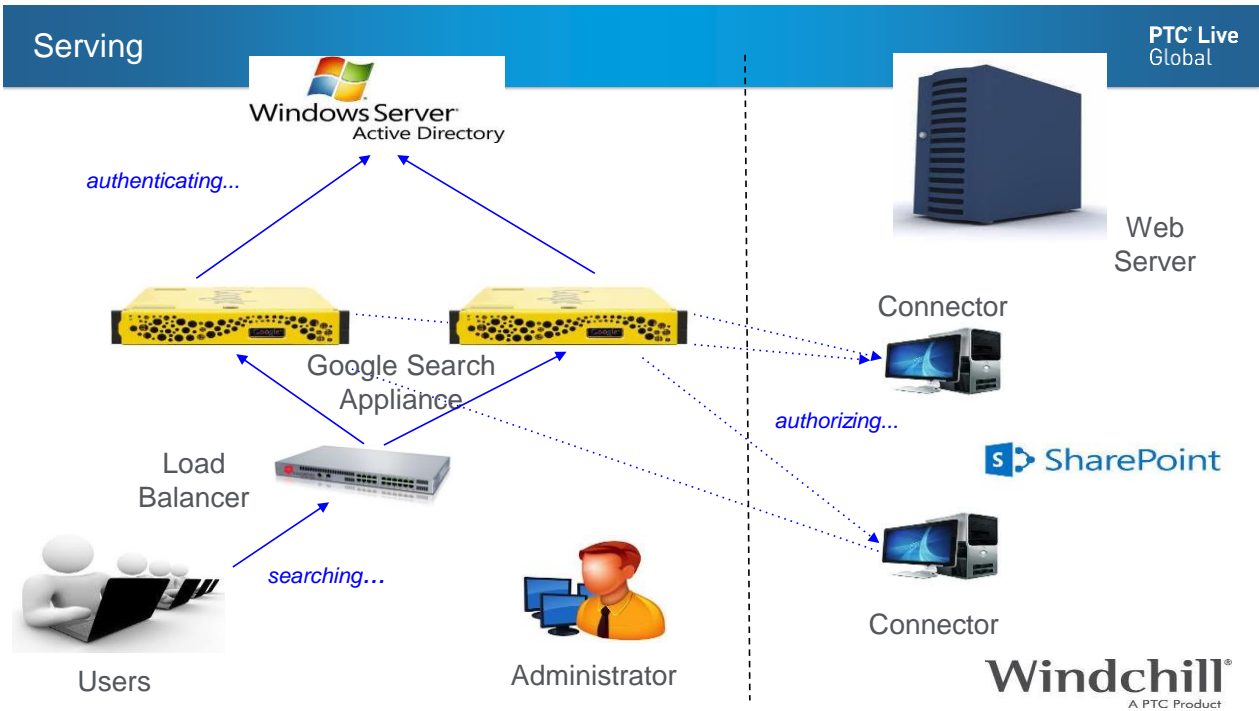
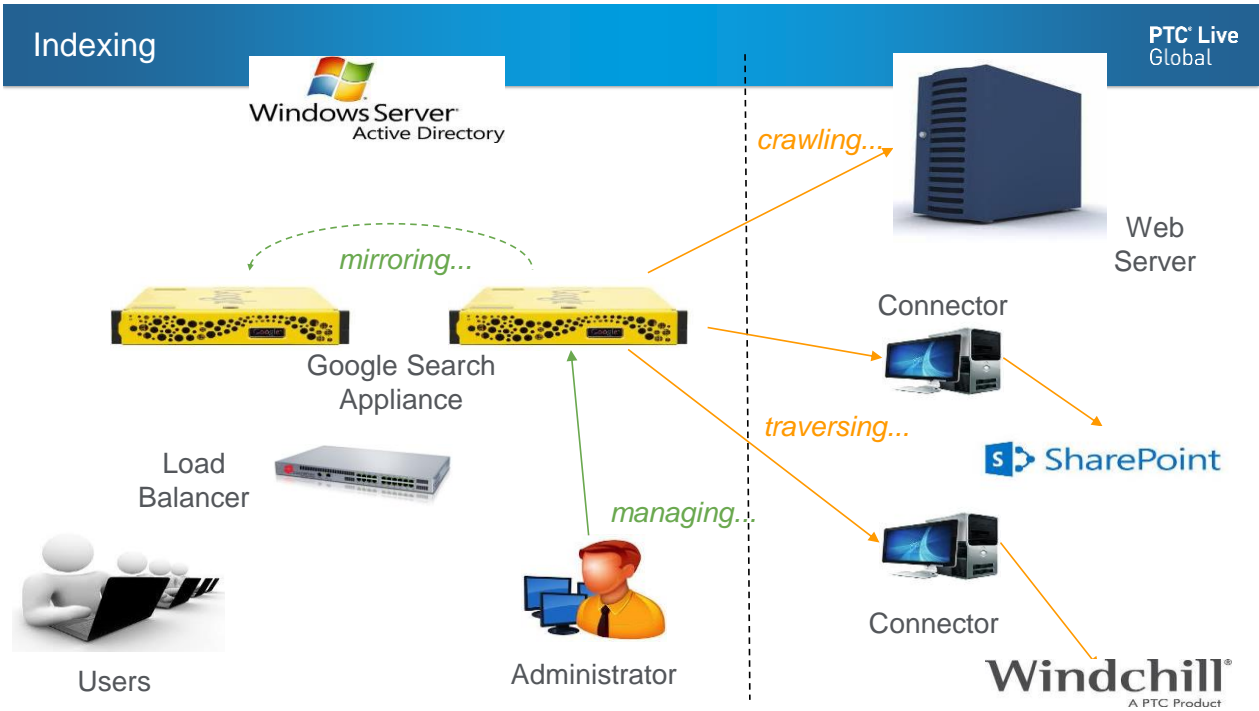
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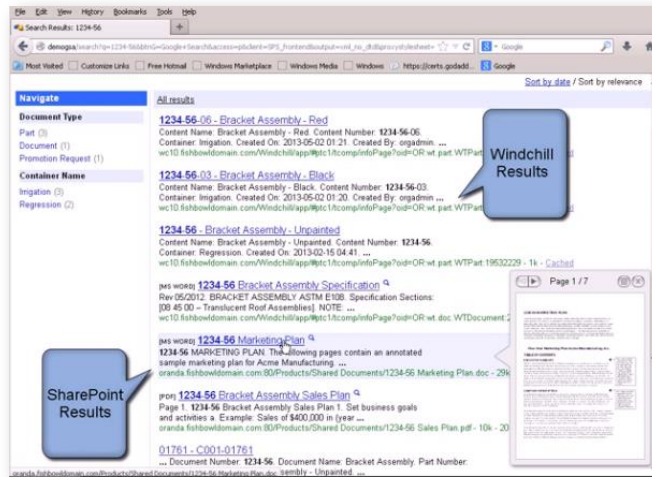
- Supports Documents (including CAD), WTParts, Promotion Requests, and Change Objects
- Intelligent Content Feed
  - PDF Viewable when available
  - Native Content for selected types
  - Dynamic HTML for other objects
- Higher Priority Event Driven Feeds
  - Check-in, Revise, Promote, Delete, etc...
- Lower Priority Crawl (for existing content)
- Early binding authorization for role-based assignment of both users and groups to individual products and libraries
- Searching PTC Windchill ProjectLink and PTC Windchill PartsLink



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## Summary – Fishbowl’s Google for Work Solutions

- Google Drive Integration for PTC Windchill
  - Satisfy user requirements for easy collaboration tools with back-end infrastructure, security and storage
  - Ensure data integrity between systems
  - Expedite CAD process and overall time to market



- Google Search Appliance Connector for PTC Windchill
  - Provide a Google-like search experience that users have come to expect
  - Less time searching more time finding
  - Reduce duplication of effort
  - Ensure high-value content can be found regardless of where it is stored



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### See Fishbowl Solutions in Booth #404

- Demos of our Google for Work Applications
- Discuss our solutions for PTC Windchill, Pro/INTRALINK, PDMLink, Creo (Pro/ENGINEER)
- Enter to win Bose Headphones
- Rockets!



- Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- Complete your session evaluation now

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ADVANTAGE<sup>™</sup>