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Documill Discovery Search - Find - Take Action

## Documill Discovery Solution Summary

#### 2015-08-22

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## **Documill Offering**



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# **Documill Discovery**

#### Discovery is an <u>enterprise</u> <u>search solution</u> focused on <u>cloud services.</u> It includes:

- Support for most important data sources
- Data crawling

- Enforcement of access controls
- Processing content for indexing and previewing
- Fast and scalable search index
- Authentication
- Localisation
- Support and maintenance
- Upgrades



## **Documill Discovery**

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# **Documill Discovery**

## What? To whom?

Why?

Information, both in the cloud and behind the firewall.

Integrated search solution for all the repositories where you store

Any user who needs access to multiple data systems. Customer support, sales, product management ...

- 1. Better customer service with faster information discovery
- 2. Higher productivity with immediate access to information
- 3. Enablement of customer self service portals

## Key capabilities

## Key value points

- Universal search from file shares, web pages, CMS, ECMs, databases, cloud services etc.
  - Page-level insight into documents such as MSOffice, PDF and RTF files
- Enforcement of complex access right models as defined by the source systems

Highly actionable results with accurate previews

- Comprehensive coverage find the needed information across all company systems
- Enables unified search experience for both structured and unstructured data
- Efficient powerful filters to drilldown into meaningful set of results
- Mobile ready preview content using any browser-enabled device
- Secure source system access rights are relentlessly enforced

## **SOLUTION DETAILS**

# **Discovery Search**

#### The fastest way to the information

#### SIMPLE

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- One integrated search covers all the places where you store information: file shares, document management systems, cloud, the intranet etc.
- Integration with existing authentication systems ensures a seamless experience and dependable security.

#### POWERFUL

- An industry-leading search solution covering the intranet and wiki content, as well as Microsoft Office<sup>™</sup>, RTF and PDF documents.
- Broad and continuously expanding support for different file repositories – both in the cloud and behind the firewall.

#### FAST

- Search results show you the exact pages that contain the relevant information. You can view documents in the browser, without having to switch between applications.
- A browser interface offers uniquely simple access to information whether you work on a laptop, tablet or smartphone.





## **Discovery solution architecture**



# **Design Principles**

- Discoverability
  - Relevancy thru document and field level boosting, relevancy configuration based on connected document sources and customers' needs
- Modularity

- Every Discovery component is designed and implemented to be a modular part of the whole architecture: HTTP REST JSON interfaces in use.
- Scalability
  - Scalability thru modularity, component modules can be distributed and while doing so, clustered for the best possible performance and responsiveness.
- Integrability
  - Functionality enhanced and modified through plug-in architecture
  - Discovery's connector framework provides tools to support third-party solutions and services as content repositories or authentication and access control authorities.
- Performance
  - Fast search performance is achieved with early binding of access rights and with aggressive caching of previous search terms and results.

# Efficient search with integrated access control

 User authentication can rely on existing user identity management, such as Active Directory

- Access to previews and other data complies with the access rights of the source system
- Information about access rights related to each content item is included in the search index

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## Integrated document previews

 See which pages contain relevant information

- Preview documents in the browser, without having to download them or switch between applications
- Access even large documents on mobile devices
  - Previews are images or HTML, and will open with popular Internet browsers



# **Powerful result filtering**

- Filters speed up your way to the right document
   Focus based on some known detail, such as the author, the file type, or the source repository
- The search covers both full text content and metadata
- The list of available filters automatically adjusts to the specific result set
- Use case example: Content type could be 'contract' and the results could be filtered or sorted by the creation date



## **Optimized search results**

- The default configuration is ideal in most cases
- The results can be refined further by
  - Stemming words to their root form
  - Matching letter case
  - Splitting compound words
  - Searching for synonyms
  - Checking spelling in queries
  - Prioritizing results by language
  - Prioritizing results by data element, such as title, description, user name etc.

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## Supported content types

#### Indexing and searching

- HTML
- XML and derived formats including XHTML and ODF
- Microsoft Office document formats
  - OLE 2 Compound Document format introduced in MSFT Office 97, DOC, XLS, PPT, MFC serialization API based file formats
  - Office OpenXML Format introduced in Microsoft Office 2007 and 2008, XLSX, DOCX and PPTX
  - Outlook MSG, TNEF
  - Visio VSD
  - Publisher
- Google document, presentation and spreadsheet
- OpenDocument format, ODF
- Portable document Format, PDF
- Electronic Publication Format, EPUB
- MBOX email format
- Rich Text Format, RTF
- Text formats
- Image formats
  - Metadata from JPEG, PNG, BMP, WBMP, GIF, TIFF
- Audio formats
  - Metadata and textual information from MP3, AIFF, AU, WAV, MIDI Type 0, MIDI Type 1, and Rich Music Format (RMF)
- Flash video
- Compression and packaging formats ar, cpio, Unix dump, tar, zip, gzip, XZ, Pack200, bzip2, 7z and arj
- Java class files and JAR archives

#### **Preview generation**

- Microsoft Office document formats
  - OLE 2 Compound Document format introduced in MSFT Office 97, DOC, XLS, PPT, MFC serialization API based file formats
  - Office OpenXML Format introduced in Microsoft Office 2007 and 2008, XLSX, DOCX and PPTX
- Portable document Format, PDF
- Rich Text Format, RTF
- Google document, presentation and spreadsheet
- Text formats
- Image formats
  - JPEG, PNG, BMP, WBMP, GIF, TIFF
- X/HTML





# Wide support for different data sources

Off-the-shelf support for most relevant data repositories:

- File shares
- HTML sites, with or without authentication
- Microsoft SharePoint
- Atlassian Confluence
- Atlassian JIRA
- Salesforce
- Google Drive
- Dropbox
- Box
- SkyDrive
- SkyDrive for Business
- Evernote
- Hightail
- And more to come...





# About Documill

- Documill is an ISV whose solutions enable the browser-based viewing and server-side content processing of Microsoft Office and PDF documents.
- Our competencies are in server-side large scale document processing.



- Our solutions are used by the world largest online service providers and enterprises.
- Documill HQ is in Finland, Europe.