

Solution Brief

Documill Discovery – Share, Discover and Re-Use Presentations as a Cloud Service

Background

An average corporate citizen spends 3 hours per week recreating content that was not found (IDC).

Presentations are among the most popular ways to share information and communicate with your stakeholders. Especially in the enterprise world, presentations are next to e-mail the communication vehicle people are using in their everyday work. The continued importance of presentations has led to the situation where current tools do not support effective discovery, sharing or creation of presentation. Main reason for this is massive increase of the volume content is available internally and externally.

With Documill Viewer users can quickly open the relevant slide, without need to download, open, and manually search through the presentation slide-by-slide.

In order to be productive, employees need to have all the relevant content available, and avoid re-creating content which already exists. These presentation assets are often scattered across local drives, shared file directories and content repositories.

Leveraging the best possible enterprise search technologies, Documill With Documill Viewer users can quickly open the relevant slide, without need to download, open, and manually search through the presentation slide-by-slide.

The performance of both those who try to find presentations, as well as those who create them, is far from optimal when most of the time is spend on searching and re-creating, not consuming or editing content.

Research by IDC suggests that Information workers spend 9 – 10 hours a week looking for information. They waste about 3.5 hours each week on searches which don't turn up the right information and as a result of poor search they spend 3 hours per week re-creating already existing content. So an average company that employs 1000 information workers can expect to waste at least 3,5 M€ in annual salary costs because of time wasted looking for information.

Requirements for Presentation Discovery Solution

In a good content repository used by different kind of users, everything must be fully indexed and thus searchable.

In order to handle current and future requirements for efficient presentation discovery, an ideal solution need to focus on the following areas:

- Users must be able to effortlessly store presentations into centralized online repository to make them visible, accessible and shareable for other users.
- While offering redundancy and reliability as data storage, the

It should be easy to share interesting findings with other users, as well as re-use those findings or part of them effortlessly when building new presentations.

presentation repository must support different schemes for access control.

- Presentations stored in the online repository must be easily searchable because otherwise the content stored will not be found, nor shared or re-used.
- Efficient content discovery is only the beginning of your work process. Next step is to take actions with your findings thus the solution have to empower its users to effectively share and use the content they discover.
- An intuitive, easy-to-use user interface (UI) to the company's online presentation archive is also a key ingredient when improving general accessibility and findability of these presentations.

All the above functionalities should be accessible by company's own employees, and selectively, by external users like partners and customers. The best way to meet this requirement is to offer a cloud based solution accessed and used through browser.

The offered solution should be online service, either packaged as Software as a Service (SaaS) offering, or as an installable on premise software sitting inside company's firewall, just like other core intranet applications.

An Ideal End-User Experience

Documill Discovery is an online browser-based cloud solution for discovering, sharing and re-using presentation materials.

In order to meet key requirements for centralized, online presentation repository with advanced discovery capabilities, the solution on cloud should come with seamless, easy-to-use end-user interface offering at least the following core functionalities.

1. Easy way to transfer existing and new presentations into the cloud repository. Either directly from Windows file explore, or using a standard browser – preferably both.
2. Effortless and intuitive method for managing presentations stored, for organizing them for better discovery. Enable users to work with them just as they are used to when managing files with Microsoft Windows.
3. Efficient, quick way to find presentations using embedded search capabilities including quick preview into the content as a part of your search process.
4. Ability to quickly review and read the content using a browser without launching any 3rd party applications. This is needed to support access to the content with different devices where smallest common nominator is a browser.
5. Quick way to collect interesting content pieces at single slide level, and share those findings with other users.

6. Smooth way to manage findings, selectively create new presentations using existing content – and if needed, finalize new presentation with appropriate 3rd party editing tools.
7. Offer such a user interface, which relies on standard browser's capabilities, and while serving rich, visual content, does it in bandwidth-efficient way!

Key Features of Documill Discovery

Documill Discovery builds on top of Documill's server-side document processing capabilities. As a complete Java based server-side solution, it can be integrated with existing internet, intranet and extranet solutions.

Documill Discovery includes four (4) core modules:

1. Documill Repository
2. Search Result Set Previewer
3. Document Viewer
4. Visual Bookmarking

With Documill Viewer users can quickly open the relevant slide, without need to download, open, and manually search through the presentation slide-by-slide.

Each module supports customer-tailored deployments, allowing significant customization of key functionality, user interfaces and a wide variety of integration alternatives with enterprises' existing storage and search infrastructures.

Documill Discovery is typically offered as a full, standalone solution to solve enterprises' presentation storage, discovery and reuse needs running as a cloud service.

Specifically, Documill Discovery supports following approaches:

- For repository storage infrastructure
 - noSQL Databases (Hadoop+HBase infrastructure)
- For Internet and presentation repository search solution
 - Google Search API
 - Microsoft Bing API
 - Lucene + Solr

The above allows enterprises to tailor Documill Discovery as per their use cases; the volume of content and content access control. Documill Discovery is thus a perfect solution for both smaller and larger enterprises, built to meet requirements of internet, extranet and intranet presentation archival, sharing and reuse.

Documill Repository

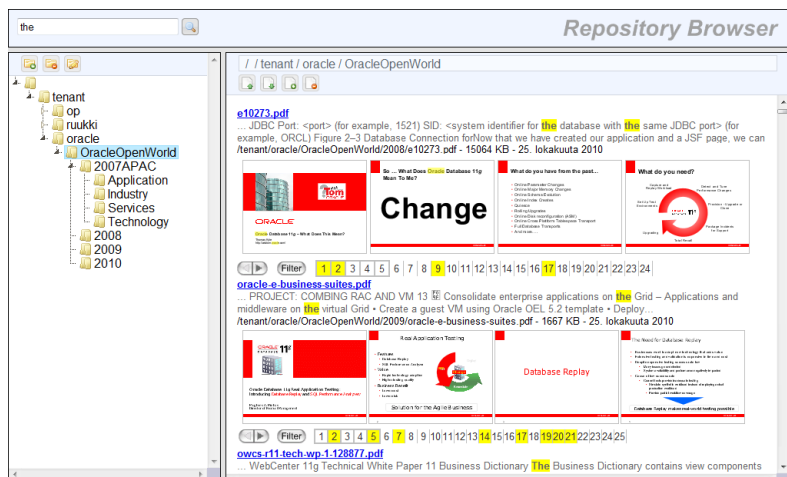


Fig 1. Documill Repository can be accessed thru both browser UI and WebDAV

- Supports Hadoop+HBase for data storage
- Offers Java Content Repository (JCR) compliant content management system with customizable access and version control settings
- Allows advanced content management thru both WebDAV and browser (HTTP) interfaces. Users can access repository like it would be a shared network drive, or thru browser-based file browser.

With Search Result Set Previewer there is no need to download presentations just for relevancy verification needs. Preview first, and download then if needed!

Search Result Set Previewer

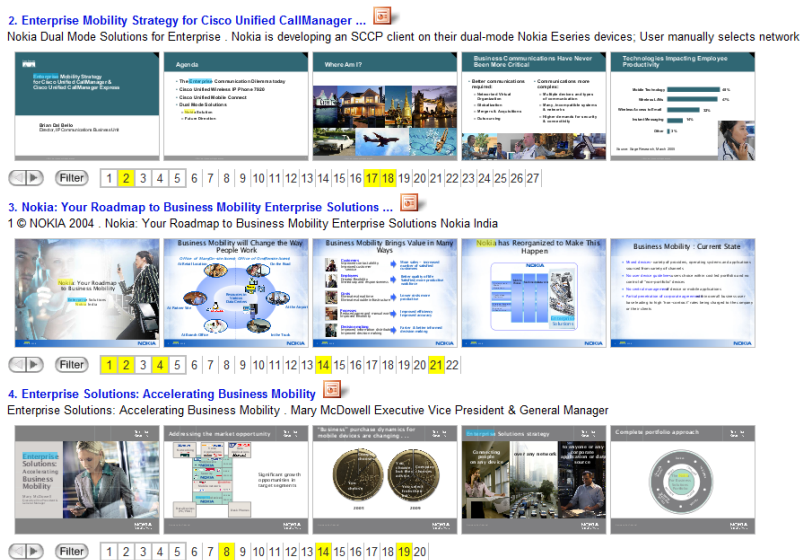


Fig 2. Documill Result Set Previewer offers good overview of the search results

- Offers Documill Ribbon™ thumbnail previews of presentations found, without need to download those presentations for relevancy verification needs

- Allows user to browse and see the whole result set, and carry out page-level search result verification; filtering those slides out which do not contain a match to the search query.

With Documill Viewer users can quickly open the relevant slide, without need to download, open, and manually search through the presentation slide-by-slide.

Document Viewer



Fig 3. Documill Viewer allows consuming the presentation using the browsers

- Offers integrated document viewing experience with JavaScript supporting browser (IE7/8/9, FF3+, GC, Safari)
- No need to download and open documents with some 3rd party browser plug-ins or client-side applications
- Offers secure access into presentations; protecting the viewer from possible embedded malicious content (viruses, trojans)

Visual Bookmarking Application

Visual Bookmarking allows you to share presentations or just certain slides with your colleagues. With its slide-level accuracy, accessing relevant parts of those presentations is quick and easy.

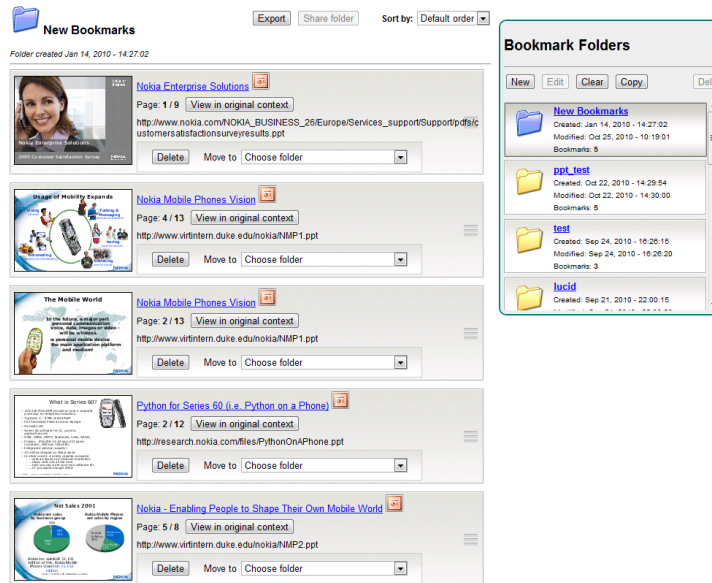


Fig 4. With Visual Bookmarking you can mark and share interesting slides with your colleagues

- Share presentations (or just certain slides from them) with your colleagues
- Bookmark interesting slides, making it faster to find relevant information within long slide decks.
- Create collections of your findings, collaborate with others and control access to those collections
- Create new presentations; merge relevant slides from multiple presentations by creating a collection, and exporting it as editable presentation (PPT), or a final non-editable distribution (PDF).

Documill Discovery offers an innovative approach to make the most out of your presentation assets. It dramatically speeds up the discovery phase, which is one of the biggest bottlenecks when dealing with long, multi-page presentation materials.

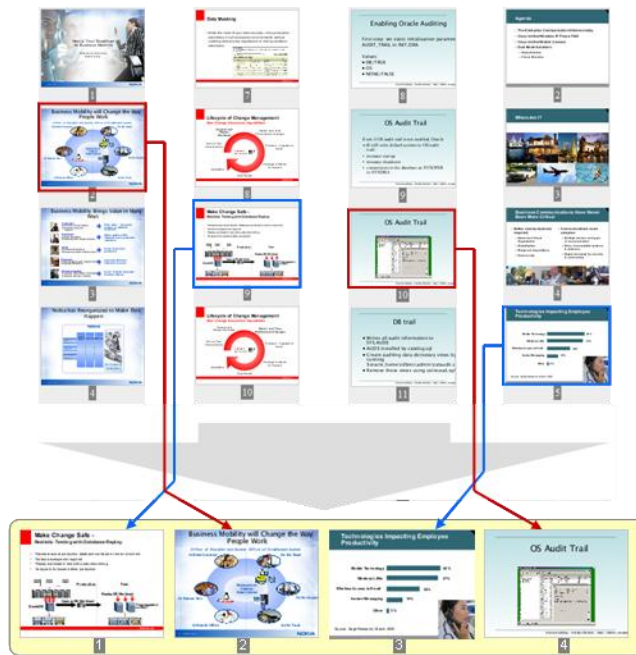


Fig 5. Visual Bookmarking allows you to create new presentations by merging together selected slides from various existing presentations

Documill Discovery also offers significant improvements for sharing interesting parts of the presentation, as well as re-using them when creating new presentations. Its ability to bookmark, and thus pinpoint, a certain slide or slides from a larger slide deck speeds up the collaboration and re-purposing processes.

With Documill Discovery’s collaboration capabilities, enterprises can improve their organizational performance, while making the previously cumbersome handling of presentations a motivational, efficient experience.

Once users have found an interesting presentation, they can consume it with standard web browser, bookmark interesting slides from different presentations, build collections of slides, create new presentations using their collections - and do all these things either standalone, or by collaborating with their colleagues!

Solution Summary

Documill Discovery is an online solution for storing, discovering, sharing and re-using presentation materials for enterprises’ internal users and external audiences.

It offers an intuitive, easy-to-use browser-based user interface for users to store most commonly used presentation documents (PPT, PPTX, PDF) into centralized repository. By leveraging innovative Documill Visual Search capabilities and page-level search accuracy, users can easily share presentation content with others and re-use existing assets when creating

new presentations.

Documill Discovery unifies enterprises' presentation archival, distribution and discovery approaches into a browser-accessible solution, ensuring that key information retrieval, consumption and re-purposing processes are optimized while providing premium, truly enjoyable end-user experience.

About Documill

Documill is an independent software vendor (ISV) offering software solutions for enabling Visual Search, browser-based access to Microsoft Office and PDF documents and server-side content processing for dynamic filtering and ad insertion needs.

With core competencies in server-side enterprise document processing, Documill offers its software solutions to enhance the functionality and user experience offered by existing Enterprise Search (ES) and Enterprise Content Management (ECM) solutions.

Documill's core personnel has worked together in various software ventures since mid nineties, forming one of the most experienced team of digital media innovators in Finland. Coupled with globally unique enterprise document processing capabilities, Documill actively partners with enterprise search players like Google, Oracle, IBM and Microsoft.

Documill is headquartered in Finland, one of the most technologically advanced countries in the world.



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