

# Ardenno Collaboration Center

## Technical Product Note

Microsoft Office has had the ability to apply metadata for many releases. This functionality has become increasingly relevant as the rise of electronic discovery puts a growing number of vital business documents into the hands of opposing parties for litigation or other business matters. There has been much conversation about the expansion of Microsoft Office's metadata capabilities and newly added XML capabilities. This Ardenno Technical Product Note will discuss the metadata capabilities available in Microsoft Office products and review how Ardenno is able to add significant value to your Microsoft Office technology investment.

### Ardenno Solutions, Inc.

Ardenno Solutions is a provider of Collaborative Knowledge Management software that enables knowledgeable workers to become more knowledgeable. We enable research teams to produce and deliver research of the highest quality, with an improved utilization of their time and project resources and help them minimize project redundancy.

Ardenno is purpose built to deliver almost instant collaboration benefits, without adding administrative project overheads. Ardenno's Town Hall applies multi-dimensional graphical social networking visualization techniques to provide knowledge workers with improved data relevancy and data context, which is vital for disparate organizations.

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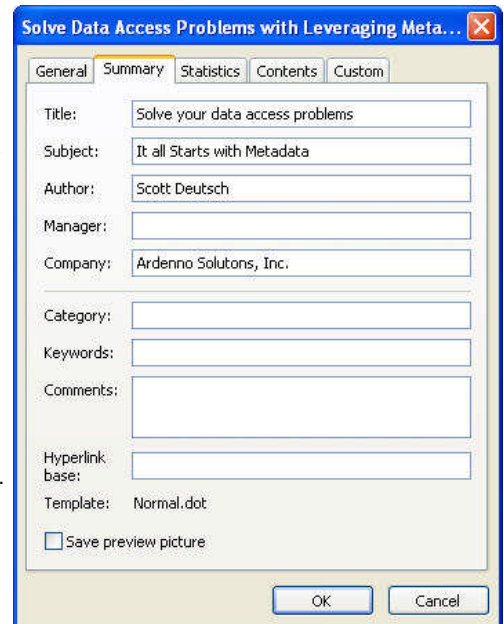
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### Microsoft Office 2003 Metadata

Let's start by looking at Word 2003. This screen shows the basic way to add comments and specific information about a file. Do you use that capability? If so, how do you use it? The ability to apply metadata in Office 2003 (and previous Microsoft Office releases) has been a capability that few users utilize because the content provides minimal value to the individual, zero to the organization and most importantly, this a manual task. These metadata values are then searchable in the new Vista Search. Without populating these values manually, Vista Search is unable to use these type of values for searching the unstructured Microsoft Word 2003 file.

Ardenno's strength lies in its ability to apply metadata in a seamless and automated manner. Ardenno also has the capability to index each word in a Microsoft Word 2003 file. This thus provides Ardenno the ability to search a file by its name, its content as well as its systematically applied metadata. Ardenno is also able maximize the use of this content in Town Hall (multi-dimensional display) to group files with common content. Thus, greatly improving the ability to understand data relevancy across your enterprise.



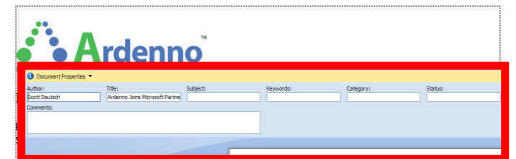
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### Microsoft Office Word 2007

The "Advanced" metadata capabilities in Word 2007 offer the same basic content options available in Word 2003. The graphic in the red box to the right shows the standard metadata available in Word 2007. Word 2007 has done a much better job at providing individual tag container values. More importantly though, this input process is still dependent on user commitment and participation to populate individual meta tag values (good luck with that SOP). Unless there are well defined benefits, no one will ever force their organization into contributing this metadata content without a significant justifiable value.

Ardenno solves this metadata dilemma two ways. First, we index every word in the file. Then we also apply specific metadata layers and values based upon the files datasource location and company criteria. Thus, Ardenno eliminates the need to apply these tags at all.



### ARDENNO SOLUTIONS JOINS MICROSOFT EMPOWER FOR ISVs PARTNER PROGRAM

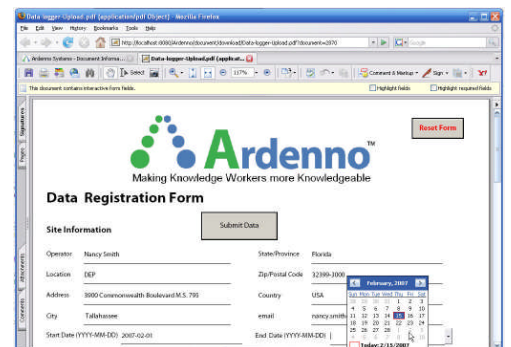
Philadelphia, PA, USA and Manchester, UK – (19 October 2006)

Ardenno Solutions, Inc., a leading provider of Collaborative Knowledge Management software solutions for research and development, today announced that it has joined the Microsoft Empower for ISVs (Independent Software Vendors) Program as a registered member. The program will enable Ardenno to ensure it is capable of fully integrating and extending existing customer investments in Microsoft productivity and collaboration tools including the Microsoft Office System and SharePoint Portal Server.

### Microsoft Office XML Template Forms Metadata

Many companies have constructed database input forms using a Microsoft Word Template. These forms provide structured and controlled forms, which are used to create data consistency for an organization and eliminate many paper based forms. Ardenno can perform this same level functionality for other forms products such as Adobe PDF and Microsoft Excel.

Ardenno is able to fully leverage the template content by reading the forms XML field values as metadata. No matter the forms content, Ardenno is able to parse the fields and their values using XML and XMLST to use the information for semantic searching and metrics reporting across your entire infrastructure.



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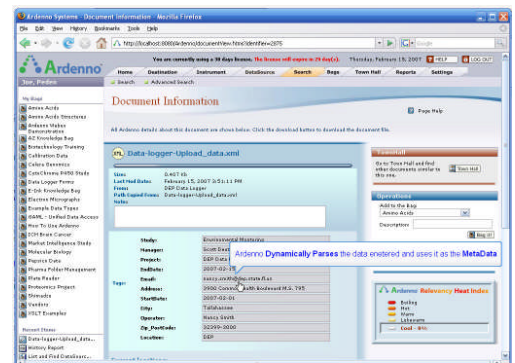
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### Ardenno Using Metadata from Microsoft Office and Forms

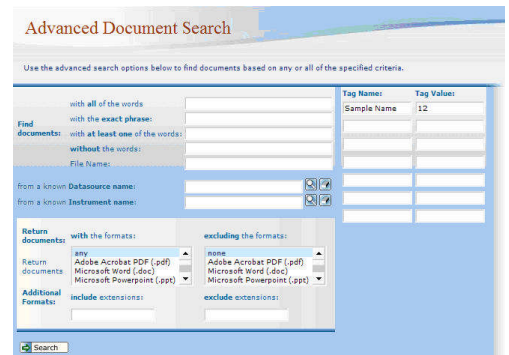
The previously discussed XML forms capability is just one example of how Ardenno is able to seamlessly leverage the content to enable semantic searching. The screen to the right is shows how Ardenno is able to create automated metadata tags and their associated values from XML driven content. Each of these tag fields and their tag values enhance your searching relevancy capabilities greatly, without any human intervention required. Ardenno is able to use the content and create.



### Semantic Searching using Metadata

The key to improving collaboration starts with making all relevant data accessible. The effort to apply metadata in all these manners would be an exercise of futility, unless the company and the individual could gain value from the effort. This is the main reason why the metadata available in Microsoft Office products has never gained wide adoption, and this will not change with the recent release of Office 2007. This is not the case with Ardenno. Ardenno provides you the ability to apply metadata to any type of file format. Yes, any type of file, even proprietary instrument file types. Each data source location and the files from those data sources are fully indexed with a newly added layer of metadata. Unstructured files also can have a layer of metadata for semantic searching. This then for example, enables a user to locate a 2D Gel file by project, study, experiment, etc. Without the metadata, it would just be an image that someone had to locate in some specific directory.

If you use Google Search or any other leading search offering, you will feel right at home with the rich and flexible searching capabilities in Ardenno. Ardenno richly awards an organization for applying Ardenno metadata.



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