



Symphony and Beyond

Dr. Michael Karasick

Director of Lotus Developent, IBM China

Yes, we are moving to Open Office 3.0 (and we will be contributing)

Now that I have your attention.....



Lotus

Agenda

Symphony in 4 charts

What is IBM doing?

IBM Report Card

What IBM does to “Improve its Grades”

Moving Beyond Office



Lotus

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IBM

What is Symphony

We started in 2003

On Linux delivering “Open Storm” to KingSoft
“IBM Productivity Editors” are part of Notes 8

User interface is based on Eclipse Rich Client Platform
Symphony is “one application”, not “three”

Symphony has an integrated web browser and http server

It is (mostly) free

Downloads are free (~3M downloads in Year #1)

Moderated support forums are free

Symphony can be rebranded, and used by anyone
Also for free.

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Symphony is also a Toolkit

Eclipse is well-accepted by the industry
Business partners are already educated

Toolkit has source code samples
UNO for modifying documents
Eclipse for extending the editor

Symphony web site has plugins
Rebrand, integrate with back-end DB, translate
document text to other languages....

Symphony extension model: Talk on
Thursday



What Our Customers Say

“Lotus, are you serious about this space?”

The UI is Cool and Modern

The sidebar is useful

Integrating all three applications is a “good thing”

Why does Symphony take so long to start up?

Why is Lotus using Eclipse?

Why are you idiots (Lotus) still on Open Office 1.1?

When are Symphony Spreadsheets “Going to Work?”

Pivot Tables® Integration

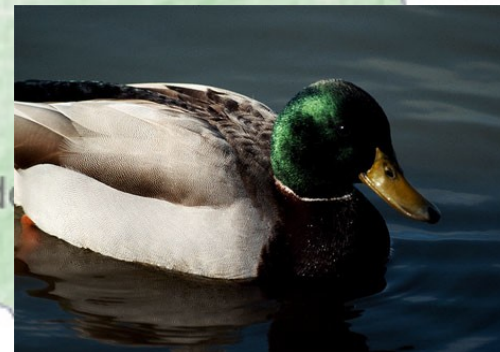
Visual Basic® Integration

Spreadsheets take forever to load

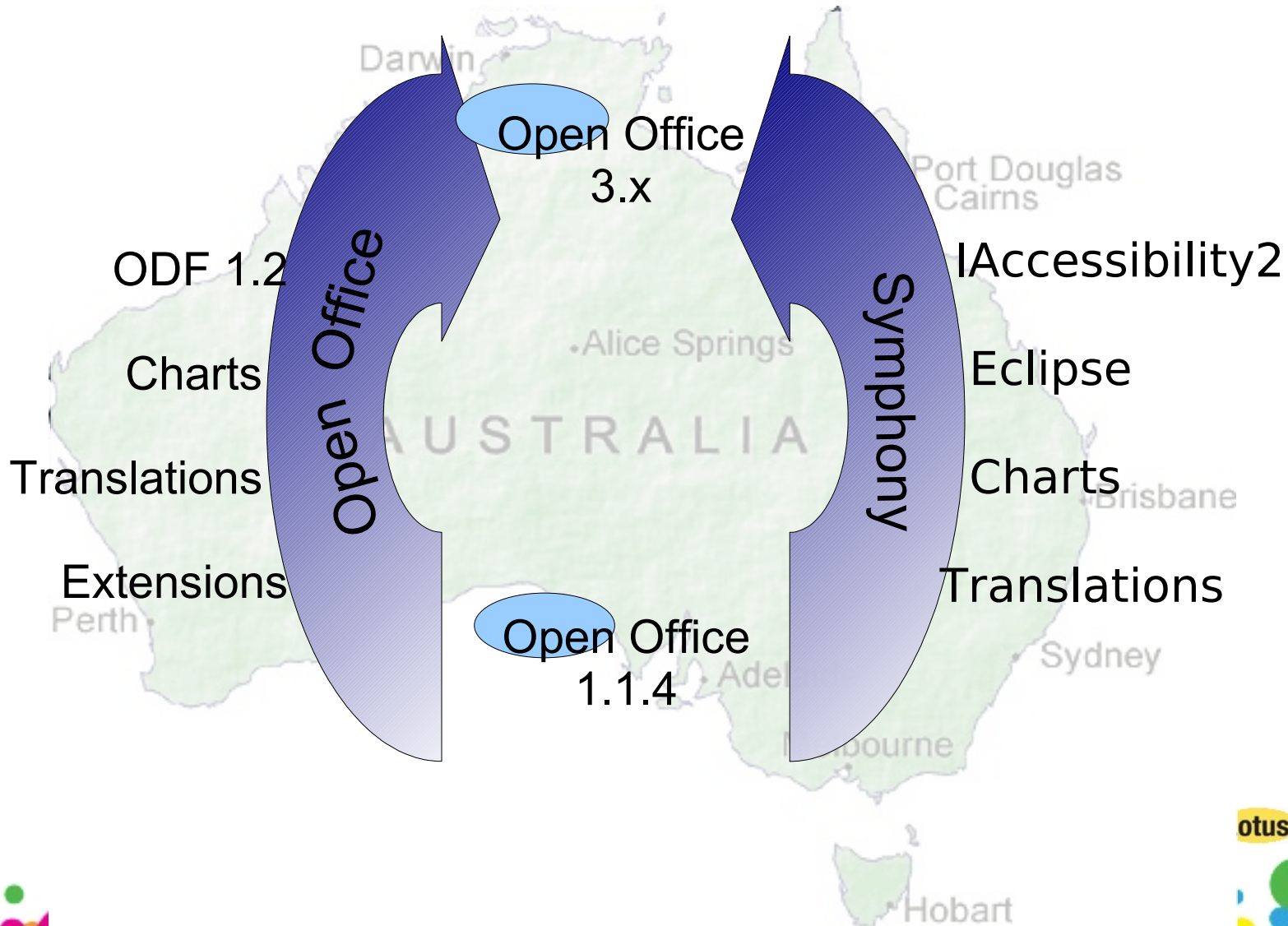
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Evolution



Evolution



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- Symphony in 4 charts
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What is IBM Doing?

M
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V



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Microsoft to Update Office Suite

BY CHARLES FORELLE

Word Count: 299 | Companies Featured in This Article: Microsoft

BRUSSELS -- Microsoft Corp. said a forthcoming update to its Office software suite would let users save and edit documents in a file format developed by its rivals, a concession to calls from European regulators and others that Microsoft's products work better with other programs.

The software company had resisted adopting the Open Document Format, which is used in the



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IBM Report Card

Topic	Grade
<p>Contributions to the Standards Community</p> <ul style="list-style-type: none"> - Co-Chair of Oasis ODF TC - Active as part of “Standards Fight of 2008” - Co-sponsor of Oasis Implementation & Interoperability TC 	A
<p>Contributions to the Open Office Community</p> <ul style="list-style-type: none"> - IAccessibility2 Framework, Smart Suite Filters - Where is the Symphony UI? Performance Work? 	C
<p>Working as an Active Member of the Open Office Community</p> <ul style="list-style-type: none"> - Why are you still on Open Office 1.1? - We helped get the conference in Beijing 	C-
<p>Visibility of the Open Office Community</p> <ul style="list-style-type: none"> - IBM is <u>big</u>. Big Companies have noticed - We probably have not said “Open Office” enough 	B

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Agenda

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- **What IBM does to “Improve its Grades”**
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Transition to Open Office 3.0

5 Years of work to be tested/migrated

Contributions

IAccessibility2

Smart Suite Filters

Symphony UI, Including SideBar

Performance work

Bug-fixes

Some of them are still there...

Enhancements

Some still are...



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IBM

Migration to Open Office is Blocked By Spreadsheets

A suite of applications is as strong as its weakest element

Load/Store performance

We have done some work. Need to benchmark the work

Scripting

In order to port Microsoft Excel® spreadsheets, we need a functional open-source Visual Basic® runtime

Come to talk and participate (16:45 Wednesday)

200 API's down, 4853 (approximately) to go....

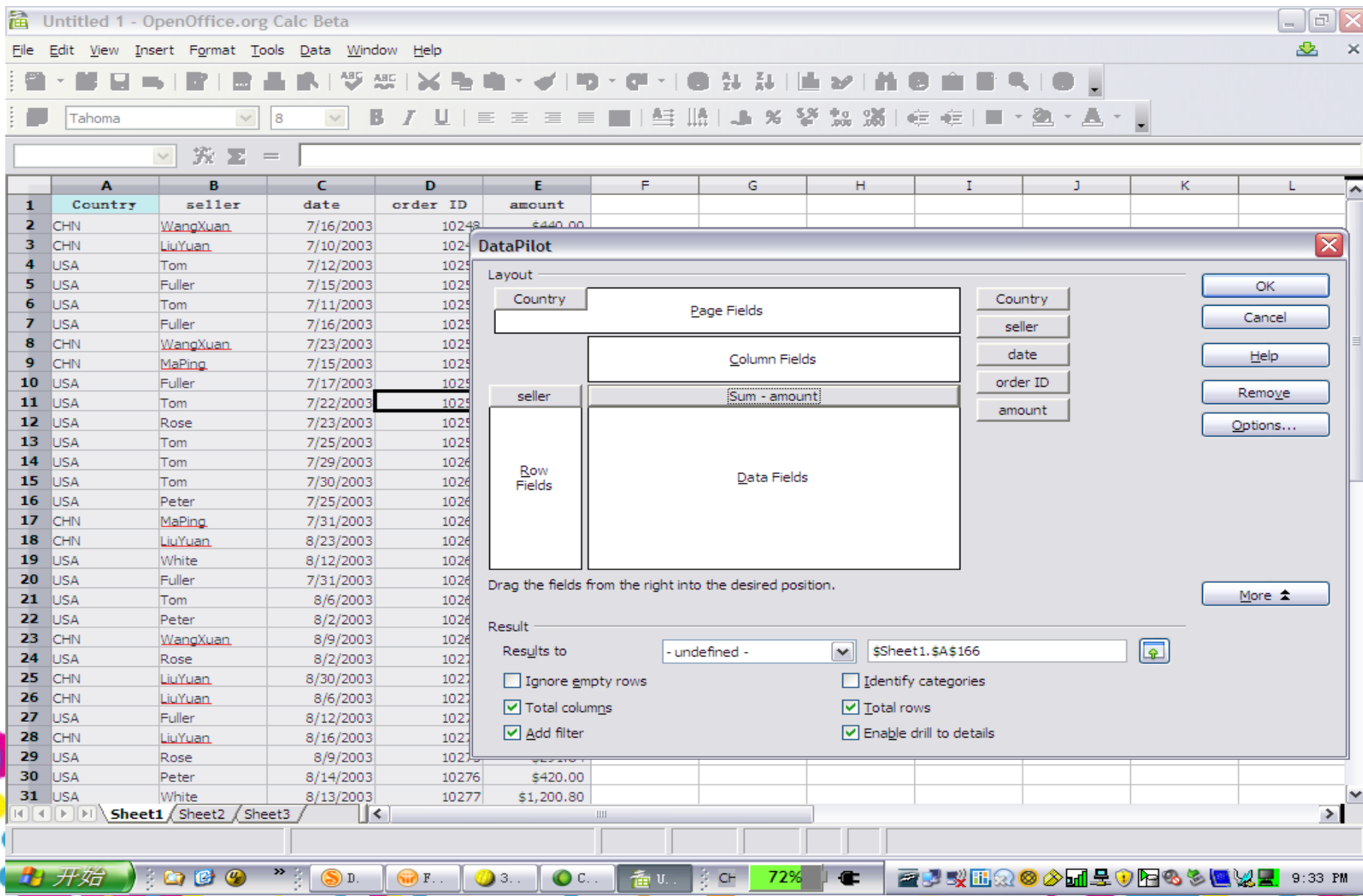


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Data Pilot in OO 3.0



Untitled 1 - OpenOffice.org Calc Beta

File Edit View Insert Format Tools Data Window Help

Tahoma 8

	A	B	C	D	E	F	G	H	I	J	K	L
1	Country	seller	date	order ID	amount							
2	CHN	WangXuan	7/16/2003	10248	\$440.00							
3	CHN	LiuYuan	7/10/2003	1024								
4	USA	Tom	7/12/2003	1025								
5	USA	Fuller	7/15/2003	1025								
6	USA	Tom	7/11/2003	1025								
7	USA	Fuller	7/16/2003	1025								
8	CHN	WangXuan	7/23/2003	1025								
9	CHN	MaPing	7/15/2003	1025								
10	USA	Fuller	7/17/2003	1025								
11	USA	Tom	7/22/2003	1025								
12	USA	Rose	7/23/2003	1025								
13	USA	Tom	7/25/2003	1025								
14	USA	Tom	7/29/2003	1026								
15	USA	Tom	7/30/2003	1026								
16	USA	Peter	7/25/2003	1026								
17	CHN	MaPing	7/31/2003	1026								
18	CHN	LiuYuan	8/23/2003	1026								
19	USA	White	8/12/2003	1026								
20	USA	Fuller	7/31/2003	1026								
21	USA	Tom	8/6/2003	1026								
22	USA	Peter	8/2/2003	1026								
23	CHN	WangXuan	8/9/2003	1026								
24	USA	Rose	8/2/2003	1027								
25	CHN	LiuYuan	8/30/2003	1027								
26	CHN	LiuYuan	8/6/2003	1027								
27	USA	Fuller	8/12/2003	1027								
28	CHN	LiuYuan	8/16/2003	1027								
29	USA	Rose	8/9/2003	1027								
30	USA	Peter	8/14/2003	10276	\$420.00							
31	USA	White	8/13/2003	10277	\$1,200.80							

DataPilot

Layout

Country Page Fields

Column Fields

Sum - amount

seller

Row Fields

Data Fields

Country

seller

date

order ID

amount

OK

Cancel

Help

Remove

Options...

More

Drag the fields from the right into the desired position.

Result

Results to - undefined - \$Sheet1.\$A\$166

Ignore empty rows Identify categories

Total columns Total rows

Add filter Enable drill to details

Sheet1 Sheet2 Sheet3

开始 72% 9:33 PM

Data Pilot in Symphony 1.2

The screenshot displays the IBM Lotus Symphony Data Pilot interface. The main window shows a pivot table with the following data:

seller	Sum - amount	Count - order ID	Total Sum - amount	Total Count - order ID
LiYong	\$99,712.27	62	\$99,712.27	62
LiuYuan	\$68,666.18	62	\$68,666.18	62
WangXuan	\$68,582.25	41	\$68,582.25	41
MaPing	\$67,806.54	39	\$67,806.54	39
Total Result	\$304,767.24	204	\$304,767.24	204

The sidebar wizard on the right is configured with the following settings:

- Field:** Country, seller, date, order ID, amount
- Area:** Page (Country)
- Column:** Data
- Row:** seller
- Data:** Sum - amount, Count - order ID

Buttons at the bottom of the sidebar include "Update" and "Automatically Update" (checked).

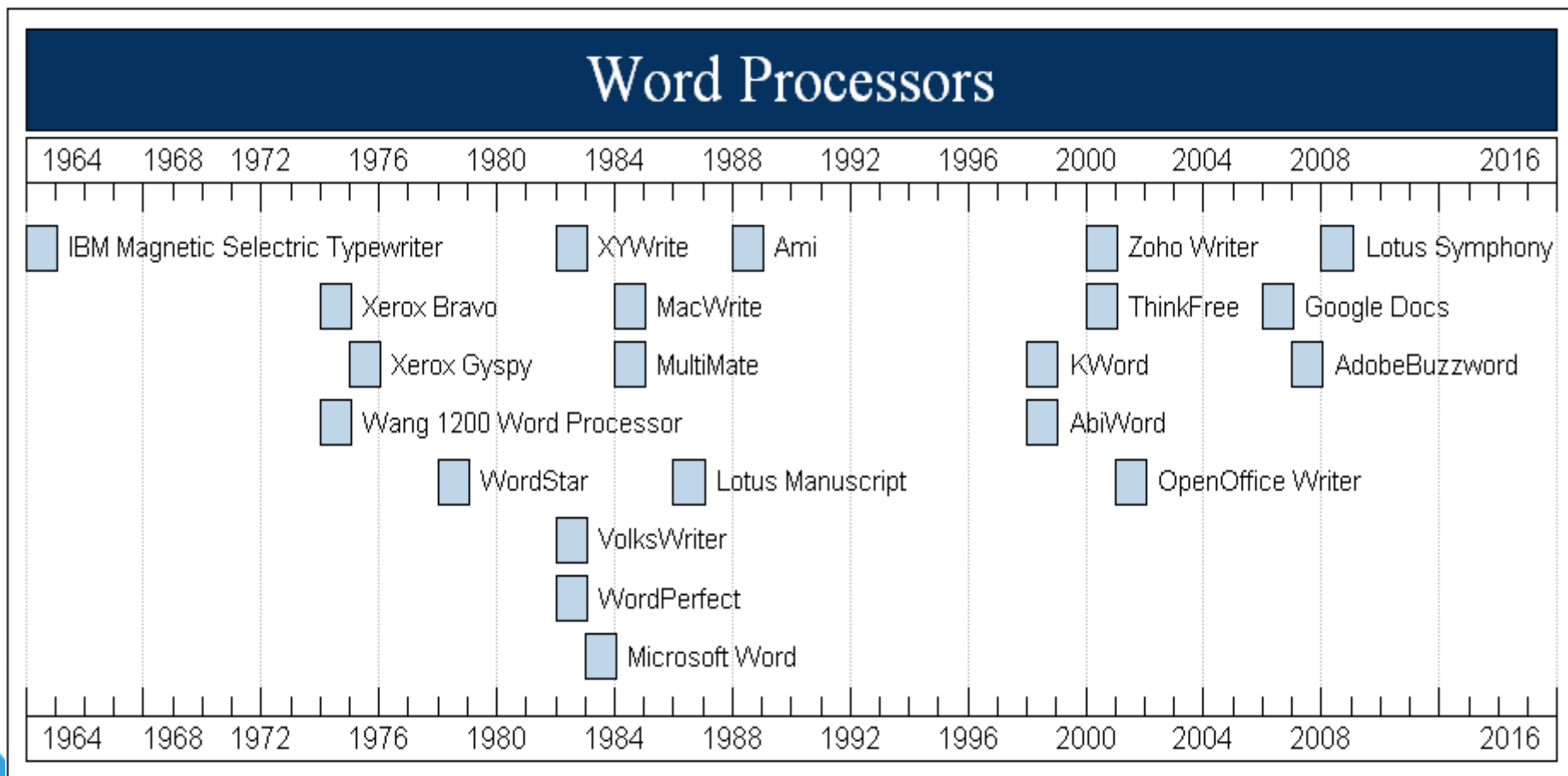
Two yellow arrows point from the text box to the "Update" button and the "Automatically Update" checkbox.

•Sidebar Wizard
•Spreadsheet updated in real-time
•Planned Contribution

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How Did We Get Here?



Beyond Office?

Assumptions

ODF-based implementations become more prevalent

Open Office, Google Docs, Symphony, Microsoft!!, Zoho, ...

Trend towards people working together via social networking continues

Paper continues to decrease in importance as rendering medium

Conclusions

“People working together” is more important than “People creating documents”

People publish ODF fragments and pieces thereof

People find, reuse, rate fragments [IBM pioneered approach with DITA]

Focus on how people network to create documents and artifacts

Both informally and in more structured (enterprise) environments

Systems have to be extensible (new kinds of editors and new kinds of content)

Content will get reused in multiple contexts

Presentations ==> Pictures; Document ==> Text; Spreadsheets ==> Tables

Components with successive disclosure of capabilities

Both Web-based and Rich client experiences

Lotus



“Beyond Office” Technical Strategy

Activity oriented



Rich content



Reputation/Ranking/Value



What you you want to do?

I want to create a...

Content layer



Semantics layer

Collaborative Authoring



Programmable



Live connections



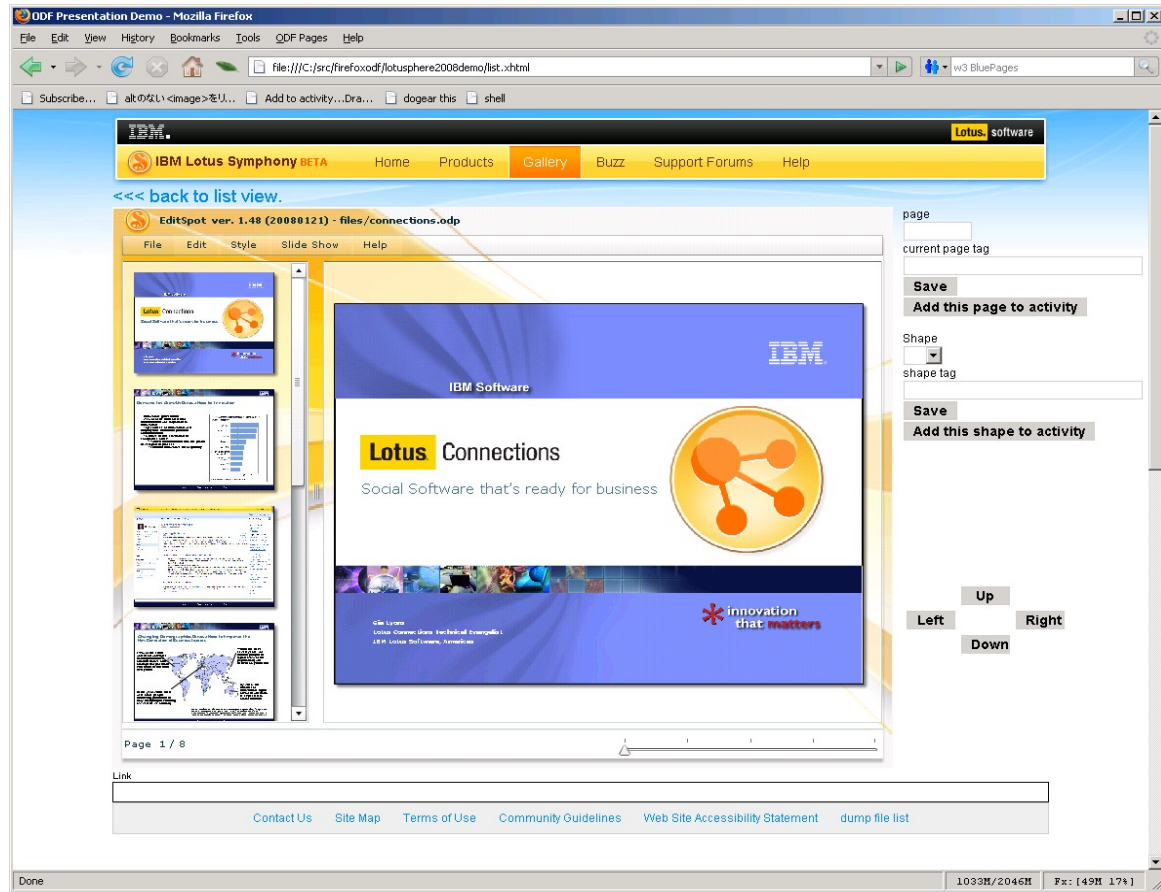
Discovery

EditSpot: Flash-based Presentation Editor

Subset of ODF
Presentations only

Also looking at (very) simple
Spreadsheet processing (i.e.
update field)







For ubiquitous success some
standards work
ODF “Web Profile” for
Interoperability with similar
tools



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SlideRiver Handout

Slide a ship swimming in enterprise knowledge river



1/7 1

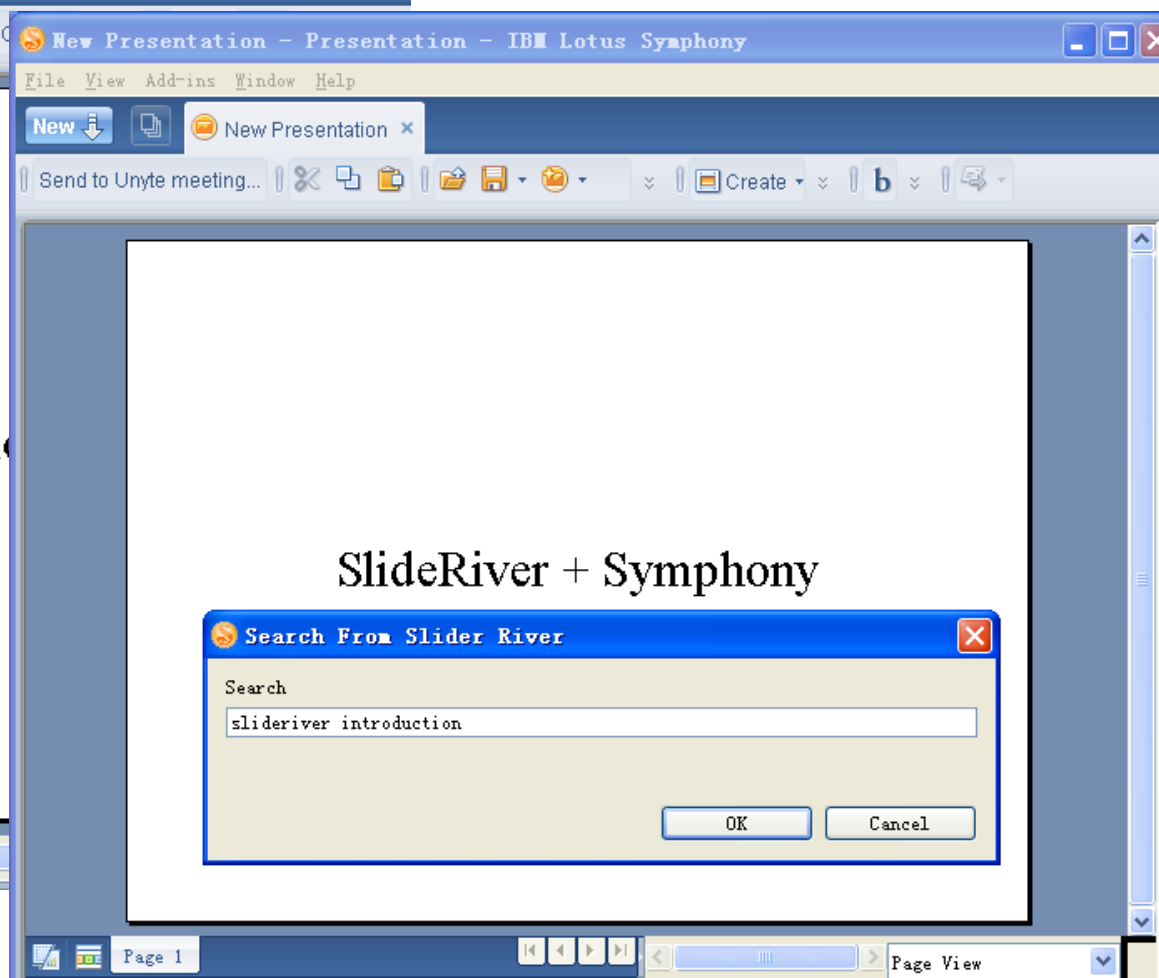
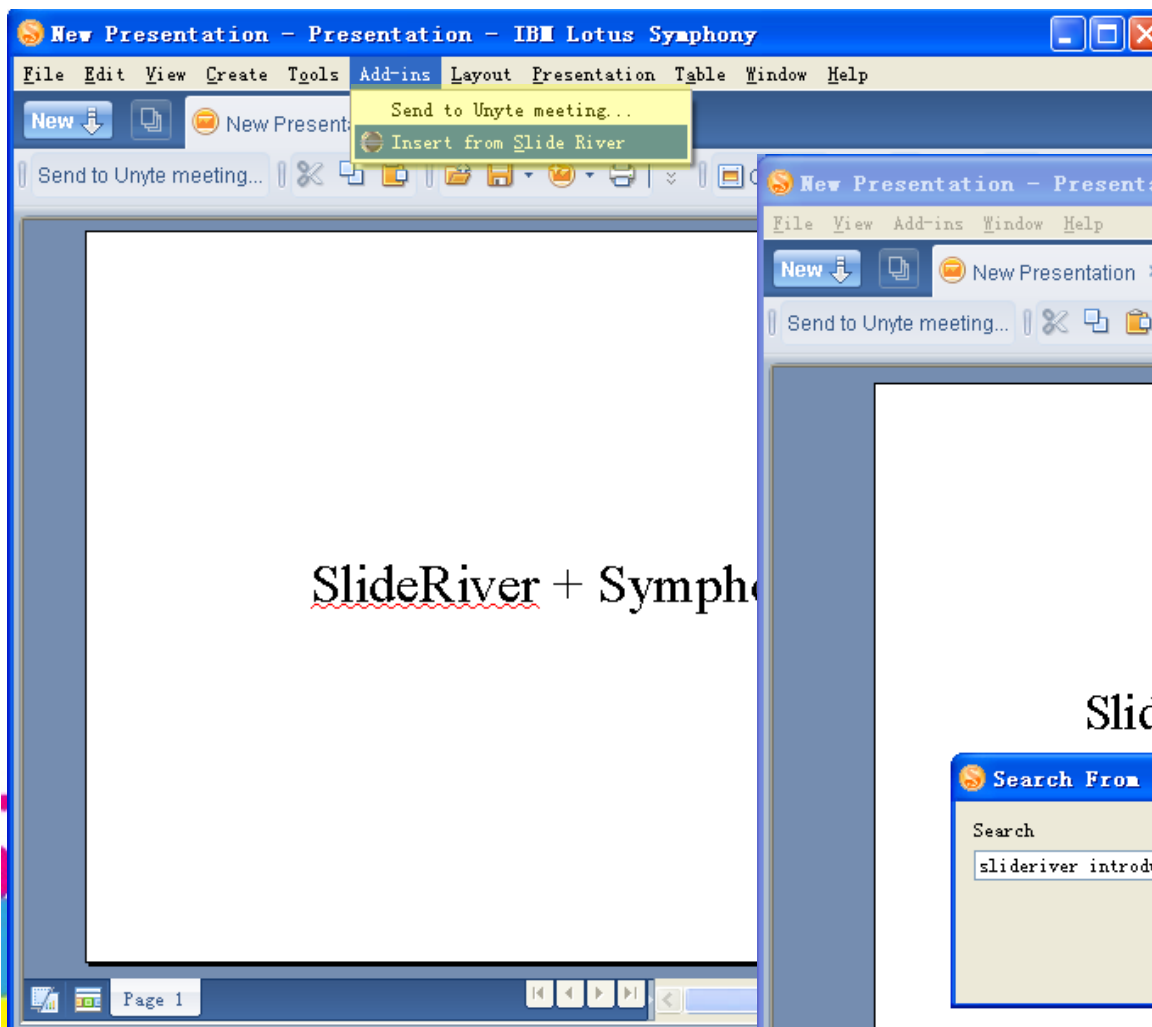
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Web-Based Presentation (Slide) Repository
 Easily harvest slides from library of existing presentations
 Tag- and content-based search for slides



Slide River Plugin for Lotus Symphony



How do People Create Content

Individually



- ▶ Reuse content from the community

As a team member with a specific role



- ▶ Responsible for a specific portion of a “document”
- ▶ Documents are disaggregated and then aggregated

Responsible for steps in a business process



- ▶ Documents represent aggregated business decisions
- ▶ Assembled using specific work flow

More people and organizational structure

Net:

Issue is not:

- What are the tools ... and ...
- Are they web-based or rich-client based

Issue is instead:

- How do I find existing content ... and ...
- How to I reuse it efficiently ... and ...
- How do my tools scale from individual to team-based tools

Dandelion: Collaborative Content Creation



Dandelion

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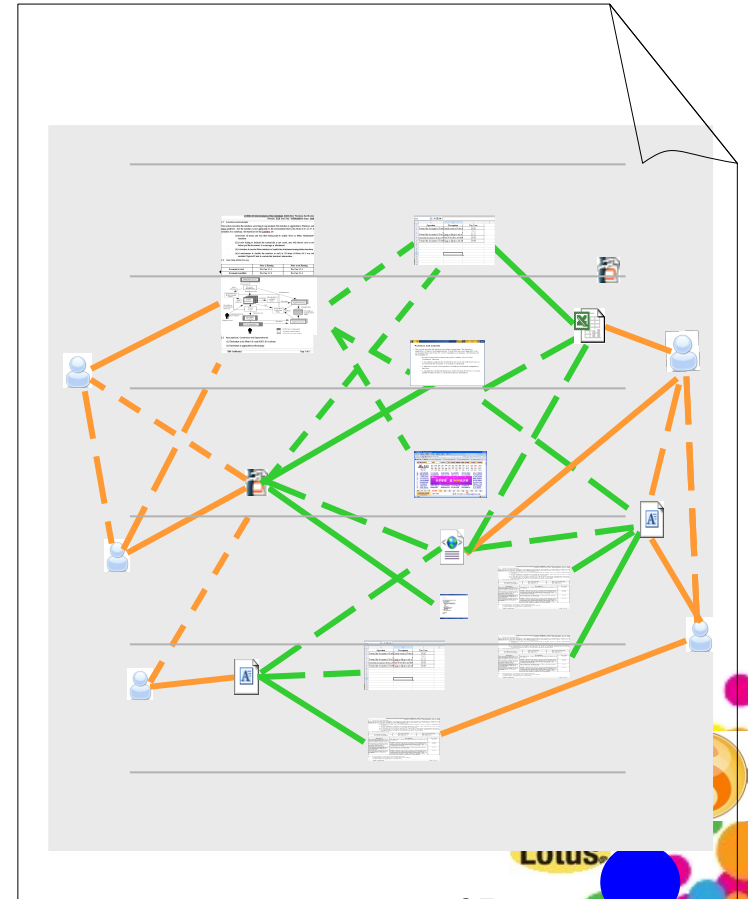
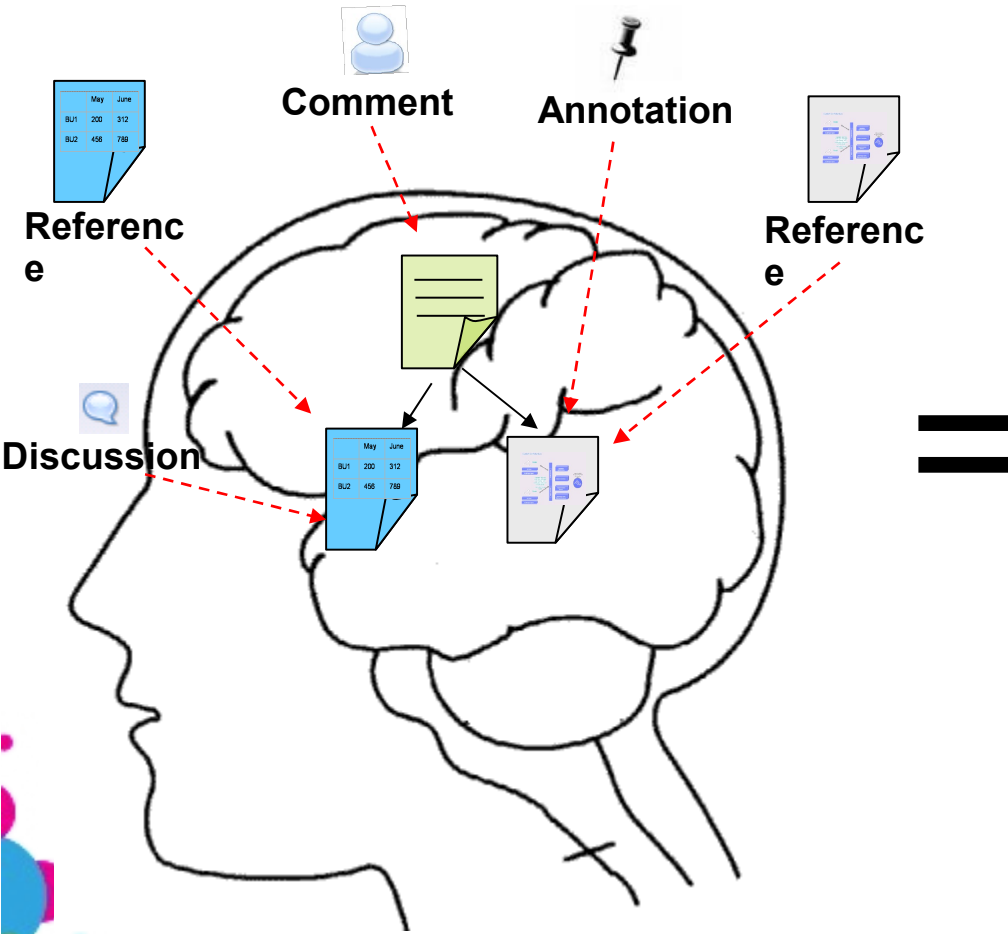
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Matching Document Model with M



Dandelion Services

(Work in Progress)



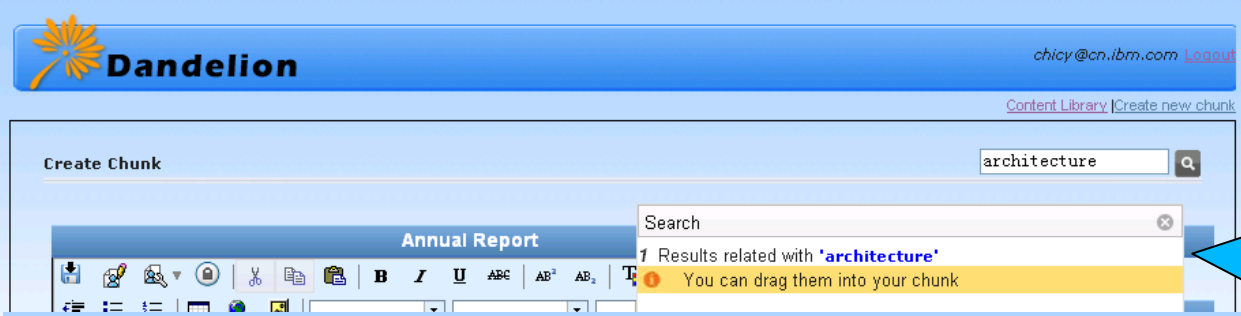
Dandelion chicy@cn.ibm.com Logout
Content Library | Create new chunk

Content Library

Your Chunk

Rating^	Title ^	Updated_at^	Comments you received
8	conference paper	2008-07-17T16:48:01+00:00	Interesting paper, I will...
12	data	2008-05-28 15:42:37	

- Searchable content
 - search scopes
 - URI's within documents
 - tags, comments, ratings



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Content Library | Create new chunk

Create Chunk

architecture

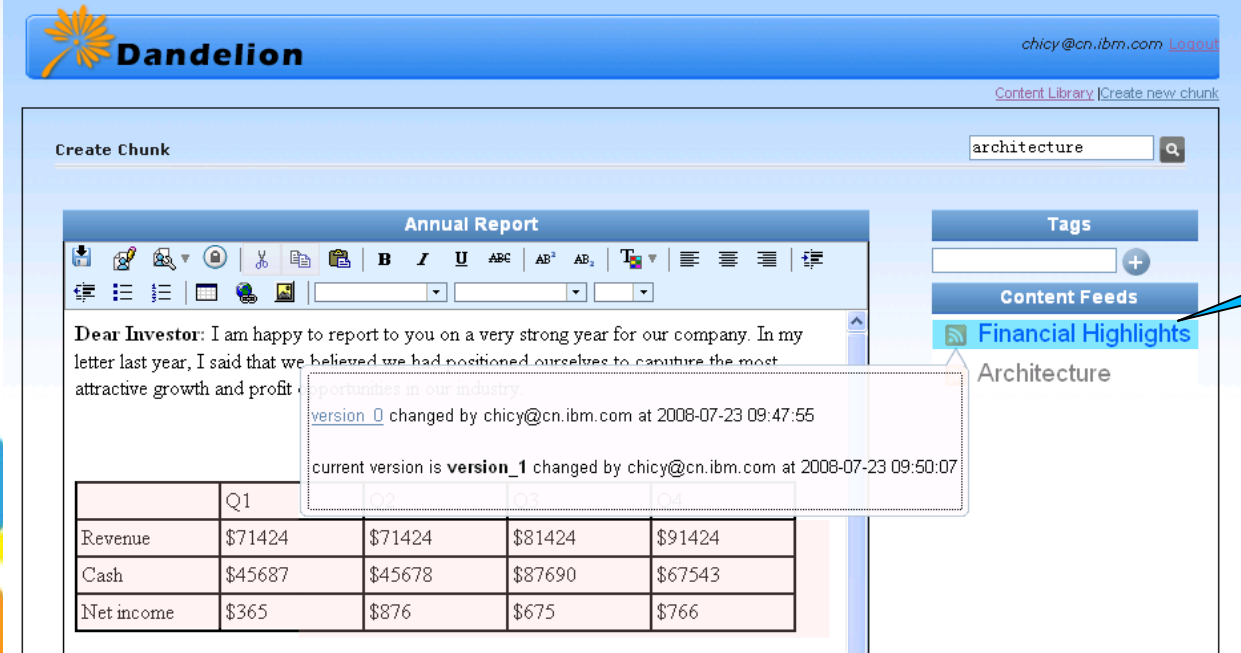
Annual Report

Search

7 Results related with 'architecture'

You can drag them into your chunk

- Document Structure
 - Aggregate "chunks"
 - Decompose documents
 - Domain-specific semantic models
 - Templates provide structure



Dandelion chicy@cn.ibm.com Logout
Content Library | Create new chunk

Create Chunk

architecture

Annual Report

Dear Investor: I am happy to report to you on a very strong year for our company. In my letter last year, I said that we believed we had positioned ourselves to capture the most attractive growth and profit opportunities in our industry.

version_0 changed by chicy@cn.ibm.com at 2008-07-23 09:47:55

current version is version_1 changed by chicy@cn.ibm.com at 2008-07-23 09:50:07

	Q1	Q2	Q3	Q4
Revenue	\$71424	\$71424	\$81424	\$91424
Cash	\$45687	\$45678	\$87690	\$67543
Net income	\$365	\$876	\$675	\$766

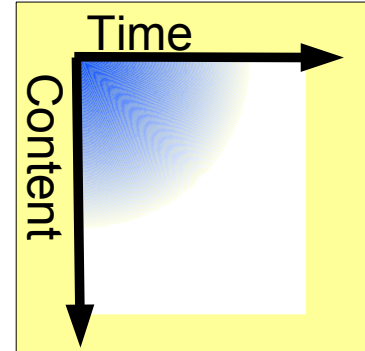
Tags

Content Feeds

Financial Highlights

Architecture

- Static or live content
- Version tracking



Agenda

- Symphony in 4 charts
- What is IBM doing?
- IBM Report Card
- What IBM does to “Improve its Grades”
- Moving Beyond Office
 - So “how do we get there from here?”

Ubiquity Requires Interoperability



Advancing open standards for the information society

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Go

CONSORTIUM

- OASIS Standards
- How to Participate
- Policies and Procedures
- Site Map

TECHNICAL WORK

- Committees by Name
- Committees by Category
- Adoption Services
- Computing Mgmt
- Document-Centric
- e-Commerce
- Law & Government
- Localisation
- Security
- SOA
- Standards Adoption

03 November 2008

OASIS News

OASIS Members Form Committee to Advance Interoperability and Conformance of OpenDocument Format (ODF) Applications

IBM, Oracle, Sun Microsystems, Google, Novell, Red Hat, US Department of Defense, Belgian Fedict, South Africa Dept of Science and Technology, and Others Collaborate to Deliver True Data Interoperability for Office Applications

[ODT PDF](#)

Boston, MA, USA; 3 November 2008 — OASIS, the international open standards consortium, has formed a new group to help implementors create applications that conform to the OpenDocument Format (ODF) OASIS Standard. ODF defines a genuinely open XML file format for office productivity applications, including text, spreadsheets, charts, graphs,

Announcing: The ODF Toolkit Union

- Founding members include: Sun Microsystems and IBM
 - ▶ Many more members are expected to join
 - ▶ Will deliver immediate benefits to developers of business applications and Web and Mobile software
- An open source project based at <http://odftoolkit.org>
- ODF Toolkit deliverables will be offered under the Apache2 license. <http://www.apache.org/licenses/LICENSE-2.0>
- Initial code contributions from Sun Microsystems
- Code not dependent nor related to OpenOffice software

ODF Toolkit: Description, Benefits and Uses

The ODF Toolkit will include:

- ODF DOM API
- ODF Reader
- ODF Writer

Similar to the W3C's HTML DOM

... Sheet, Cell and Chart objects.

Goal: develop an API which covers the
entire ODF 1.2 spec

Directly support programmatic manipulation
of ODF documents

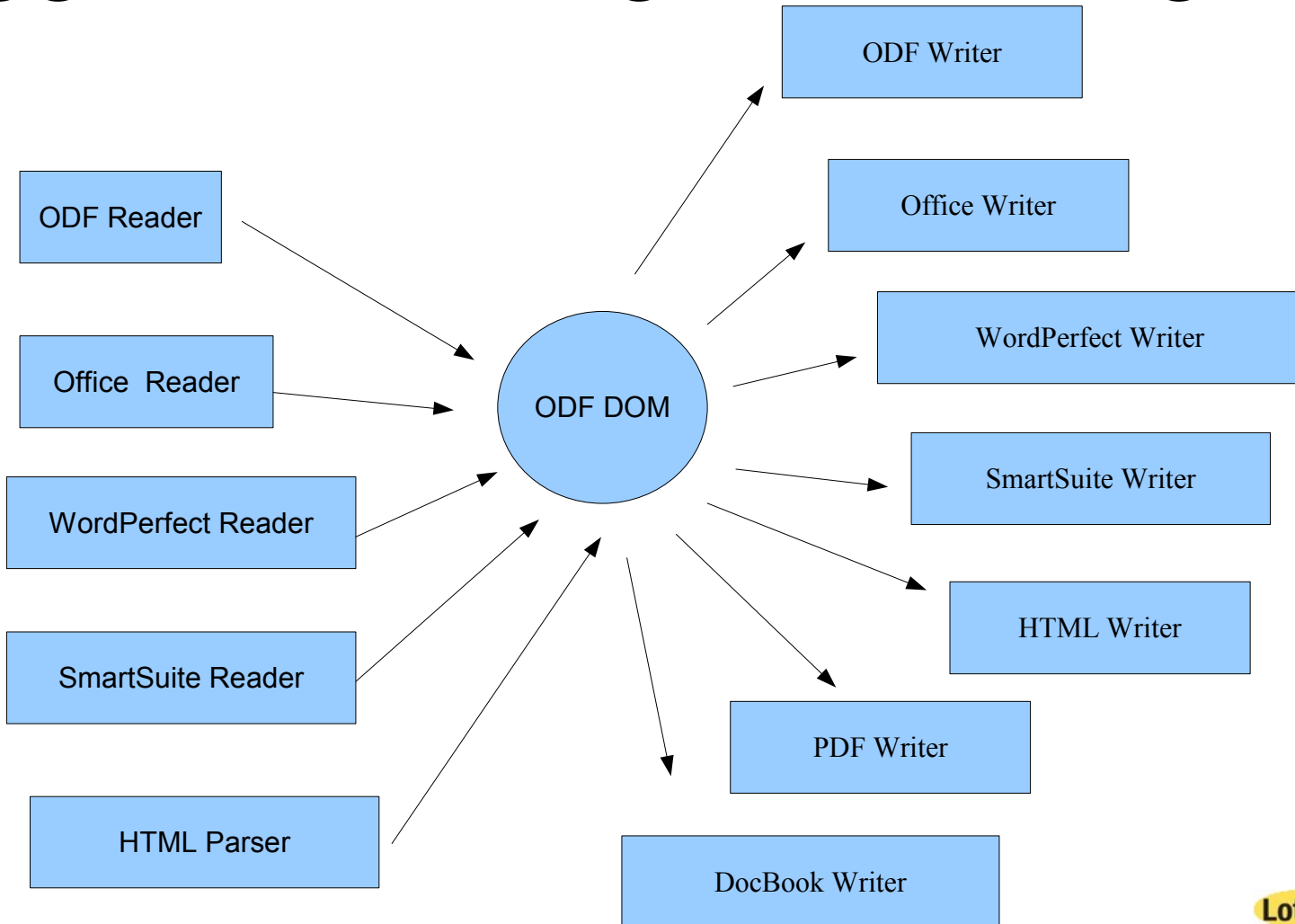
Easily add support for ODF to applications
Traditional desktop, Web browser, and
mobile device users



Innovation
Innovation
Innovation
Innovation

Lotus

Pluggable reading and writing



ODF Toolkit Use Cases

- Interactive creation in an a heavy-weight client application
- Interactive creation in a light-weight web-based application
- Collaborative (multi-author) editing
- Automatic creation in response to a database query (report generation)
- Indexing/scanning of document for search
- Scanning by anti-virus
- Other types of scanning, perhaps for regulatory compliance, legal or forensic purposes
- Validation of document, to specifications, house style guidelines, accessibility best practices, etc.
- Read-only display of document on machine without the full editor (viewer)
- Conversion of document from one editable format to another
- Conversion of document into a presentation format, such as PDF, PS, print or fax
- Rendering of document via other modes such as sound or video (speech synthesis)
-
- Reduction/simplification of document to render on a sub-desktop device such as cell phone or PDA.
- Import of data from an office document into a non-office application, i.e., import of spreadsheet data into statistical analysis software.
- Export of data from a non-office application into an office format, such as an export of a spreadsheet from a personal finance application.
- Application which takes an existing document and outputs a modified version of that presentation, e.g., fills out a template, translates the language, etc.
- Software which adds or verifies digital signatures on a document in order to control access (DRM)
- Software which uses documents in part of a workflow, but treats the document as a black box, or perhaps is aware of only basic metadata.
- Software which treats documents as part of a workflow, but is able to introspect the document and make decisions based on the content.
- Software which packs/unpacks a document into relational database form

Questions?