OpenOffice.org

User Familiarization and Ease of Migration

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http://www.arenatechniques.com/

What we'll cover today

- Why migrate

- Comparisons
  - Word vs. Writer
  - Excel vs. Calc
  - PowerPoint vs. Impress
  - Access vs. Base
- Migration tools

Why migrate?

- Its open source

- Uses ISO standard file format (ODF)

- Available in over 70 languages

- Cross-platform

- Support available

Is it cost effective?

- Initial purchase/outlay cost
  - Microsoft Office Professional 2003: RM1,710
  - Corel WordPerfect Office: RM1,097
  - IBM Lotus SmartSuite R9.8: RM650
  - Sun StarOffice 8: RM278
  - OpenOffice.org: **Free download**

Price list current as of 06/12/2006, via Software Exchange (Malaysia) Sdn Bhd

Is it cost effective?

- Saves on ongoing licenses and upgrades

- Re-training costs similar, if not cheaper

- Changeover support, and support in general available from ISVs

- Data/document conversions

  - Between Office versions

  - From Office to OpenOffice.org (use ODF!)

What's missing?

- Integrated unabridged dictionary & thesaurus

- Grammar checker

- File interoperability & filters

- VBA Macros

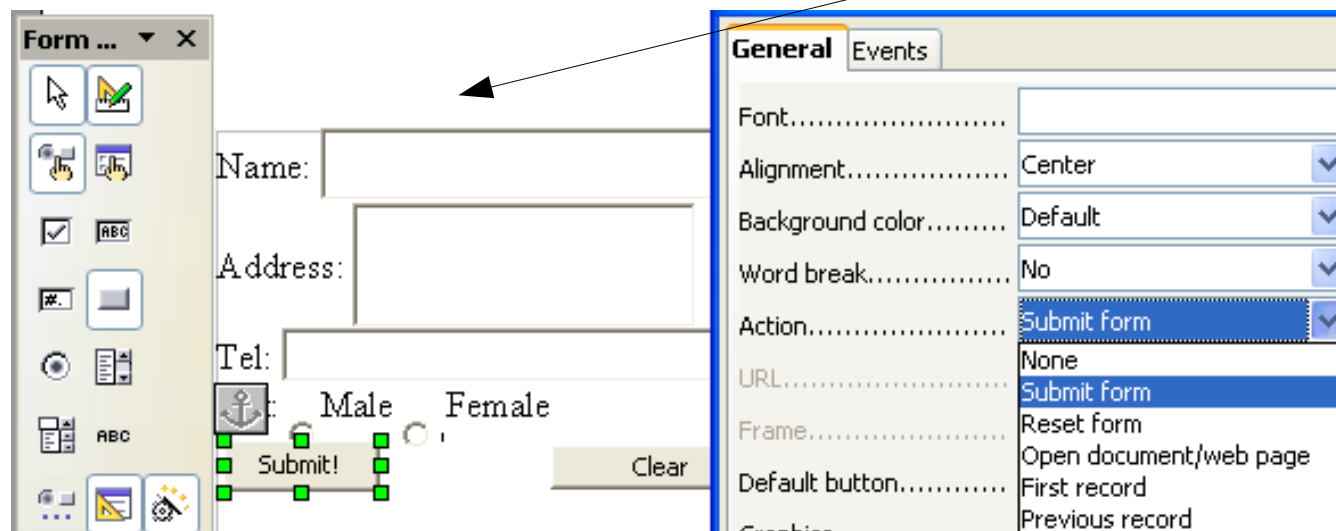- Varied clip-art & templates

The power of PDF
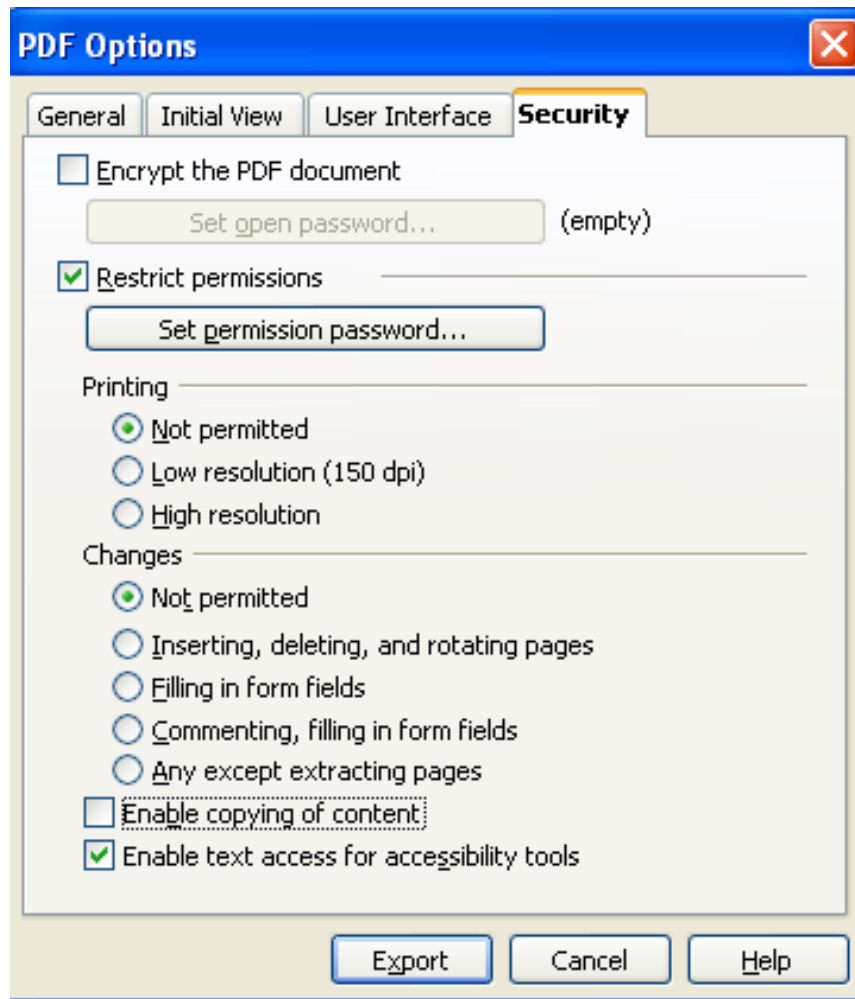
- All applications have the export to PDF functionality

- Advanced options are available as well
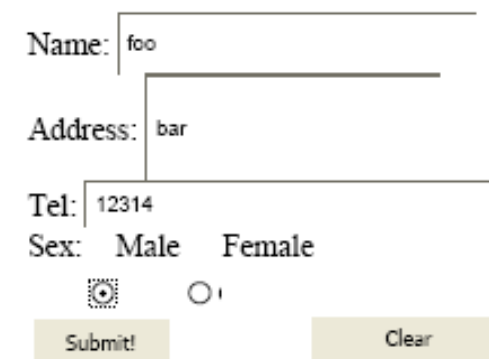 - No printing
  - No copying

- No editing

PDF Forms

- Create forms that can be filled up in a standard PDF reader and submitted via the Web or printed
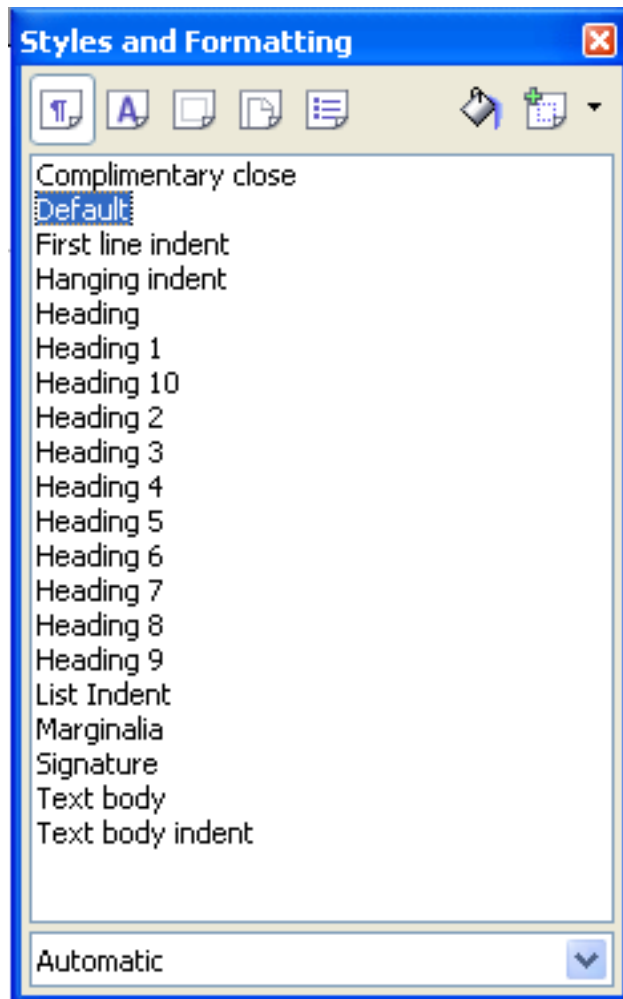
Creating a form in Writer

Filling out details in Adobe PDF

Word vs. Writer

Styles and Formatting

Complimentary close
Default
First line indent
Hanging indent
Heading
Heading 1
Heading 10
Heading 2
Heading 3
Heading 4
Heading 5
Heading 6
Heading 7
Heading 8
Heading 9
List Indent
Marginalia
Signature
Text body
Text body indent

Automatic

- Styles are how OpenOffice.org handles management of varying formats in the document
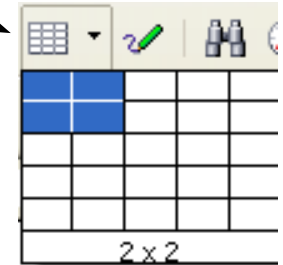
- Format Paintbrush
  - Was missing, is implemented now!

vs.

Word vs. Writer

Can also be created via the toolbar quickly (Ctrl+F12 is another)

2 x 2

- Tables are the same
  - Creation via Insert, as opposed to a dedicated menu
  - Has AutoFormat abilities
  - Can be used to enter formulae
- Fields
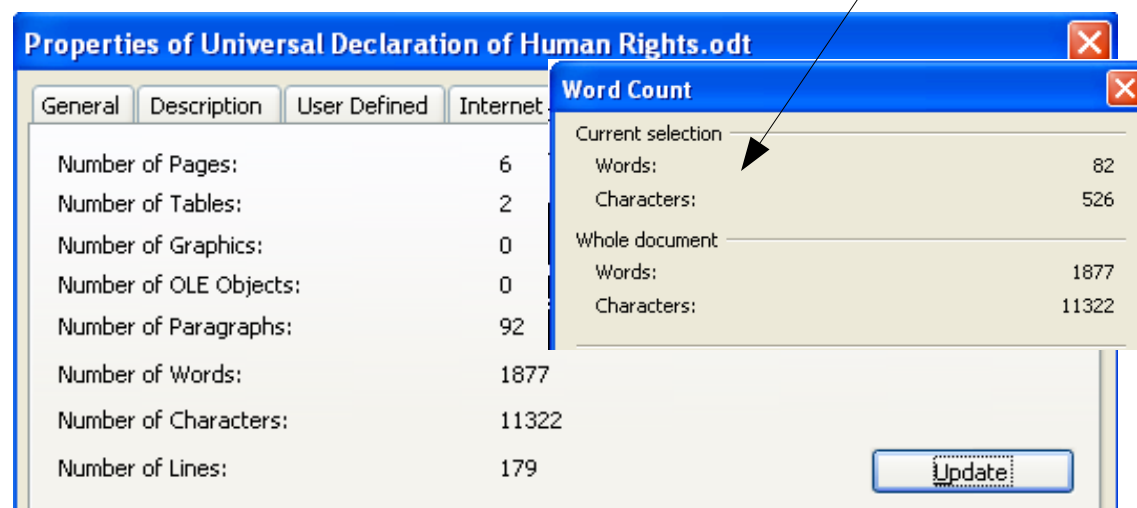 - Standard, Extended, and also Data Source (i.e. Pull data from a database)

Word vs. Writer

- Object insertion
  - Insert -> Object -> Choose an object
- Word Count
  - Fixed via File -> Properties -> Statistics

Notice count for selection!

vs.

Excel vs. Calc

- No more row limitation – 65536 rows!

- Complex statistical functions might be unavailable

- Which is correct?
    - =IF(C3 > 0, D1+D2, D1-D2) <- Excel
    - =IF(C3 > 0; D1+D2; D1-D2) <- Calc

This is one of the most common differences that will affect you. Take note of the ";" instead of the ","!

Excel vs. Calc

- ## DataPilot (instead of the Pivot Table)
  - ### Can do statistical analysis on data independent of the sheet/cells (spreadsheet) **but also** data sources!

In its simplest form, the DataPilot in action.

vs.

Features of confusion

- When apply filters, my totals change?
  - SUBTOTAL(range): adjust totals based on filter
  - TOTAL(range): total that ignores filters
- FIND or SEARCH?
  - FIND(search,text): substring, standard text match
  - SEARCH(search,text): regular expressions allowed

PowerPoint vs. Impress

- Animated sequences, multimedia plug-in's not Impress's strong points

  – Requires Java Media Framework

- Export to Flash, layers, and live data sources are

- Limited templates

- Can also create via Writer (styles)

  – File -> Send -> AutoAbstract to Presentation

Access vs. Base

- File incompatibility
- All is not lost
  - Use the MySQL Migration Toolkit
  - Convert Access to MySQL (locally running, or on a server)
  - Manipulate data using Base, connecting to MySQL
- Benefits are a plenty – web access to your DB!

Base displays and edits the migrated Access database, directly to MySQL.

Access vs. Base

Contact Management: management.contacts

File Edit View Tools Window Help

ContactID	FirstName	LastName	Dear	Address	City	StateOrProvince	PostalCode	Region	Country_Region	CompanyName	Title
1	Colin	Charles	Sir	PO BOX 818i	Clayton	Victoria	3168		Australia	MySQL AB	
2	Ditesh	Kumar	Sir							QubeConnect	
3	Yoon Kit	Yong	Sir							FMM	
4	Dinesh	Nair								Alphaque.com	
5	Aizat	Faiz								Independent	
6	Soo Hoe	Nah								Independent	Dr
7	Khairil	Yusof								Inigo	
<AutoField>											

Title
Mr
Mr
Dr
Mr
Dr
Mr

MySQL Query Browser - root@localhost:3306 / management

File Edit View Query Script Tools Window Help

Go back   Next   Refresh

`SELECT c.Title, c.FirstName, c.LastName FROM contacts c;`

Resultset 1

Title	FirstName	LastName
NULL	Colin	Charles
NULL	Ditesh	Kumar
NULL	Yoon Kit	Yong
NULL	Dinesh	Nair
NULL	Aizat	Faiz
Dr	Soo Hoe	Nah
NULL	Khairil	Yusof

An SQL query to show some data from the database.

Title
Mr
Mr
NULL
Dr
Mr
Dr
Mr

Updates have been applied! Its instant.

Copyright © 2003-2006, Colin Charles. Released under a Creative Commons License.
http://creativecommons.org/licenses/by-nc-sa/2.5/
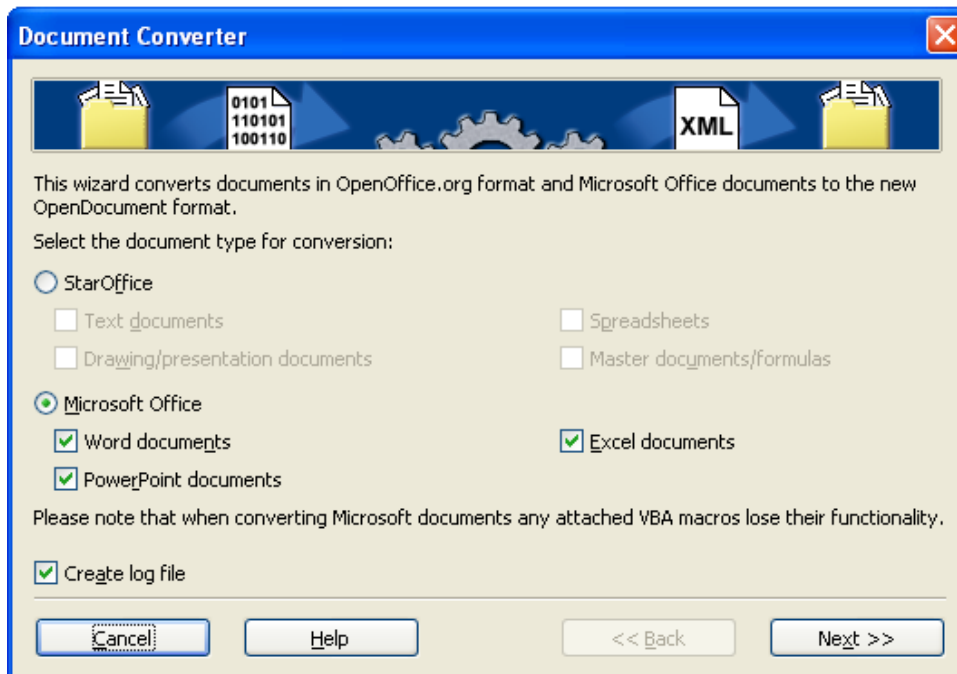
Migration tools

- SCAI Migration Analysis Tools
- Resolvo MoveOver
- File -> Wizards -> Document Converter AutoPilot

Everything else you're used to...

is pretty much the same!

Queries

AutoText in Writer

Hyperlinking

Goal Seek

Bookmarks

Reports

Headers & Footers

Templates

Scenarios

Forms

Mail Merge

Drawing

Sections

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Formatting

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Revision Control

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Bibliographies

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Thank You!

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http://www.softwareexchange.com.sg/my/pricelist.pdf

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LXer: The Real Cost of Retraining for OpenOffice.org
http://lxer.com/module/newswire/view/46775/

Support available via: http://support.openoffice.org/index.html
Sun is included in the list of support.

Support via the international network of consultants:
http://bizdev.openoffice.org/consultants.html

It is widely known that Office is not compatible between Office versions.

What's missing?

- Integrated unabridged dictionary & thesaurus
- Grammar checker
- File interoperability & filters
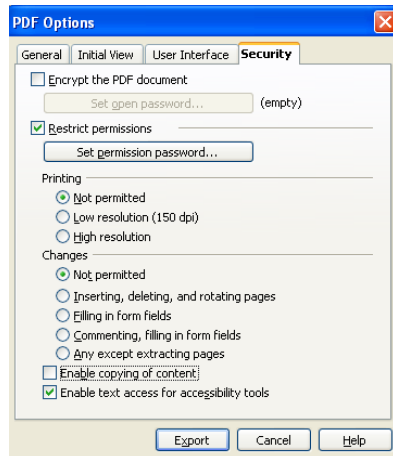- VBA Macros
- Varied clip-art & templates

Dictionaries/thesaurus are available online, or via tools that connect to the online version (just like in Microsoft Office), but these are sub-optimal.

Grammar checker is being integrated (October 2006) as it was a Google Summer of Code project that turned into success.

File interoperability with MS Office isn't 100%, but no package can aim to do so, in theory, not even Office:Mac and Office 2003 for instance. File filters like the WordPerfect filter do exist, but are not integrated.

VBA Macros aren't touched. The ability to edit them exists. The ability to run them to a certain extent exists via Novell's OOo.
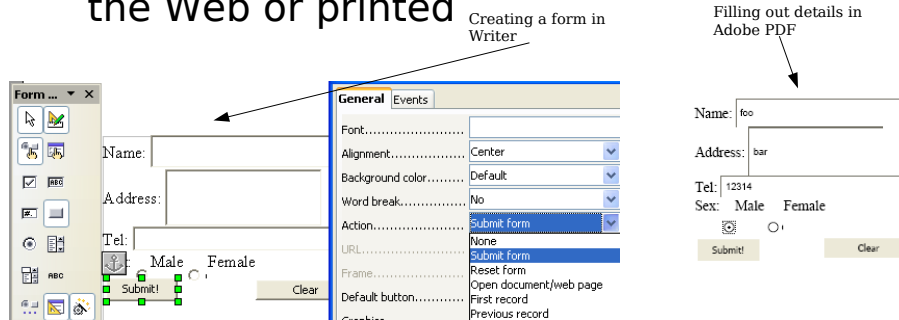
The power of PDF

PDF Options

General | Initial View | User Interface | **Security**

☐ Encrypt the PDF document
Set open password...   (empty)

☑ Restrict permissions
Set permission password...

Printing
◉ Not permitted
○ Low resolution (150 dpi)
○ High resolution

Changes
◉ Not permitted
○ Inserting, deleting, and rotating pages
○ Filling in form fields
○ Commenting, filling in form fields
○ Any except extracting pages
☐ Enable copying of content
☑ Enable text access for accessibility tools
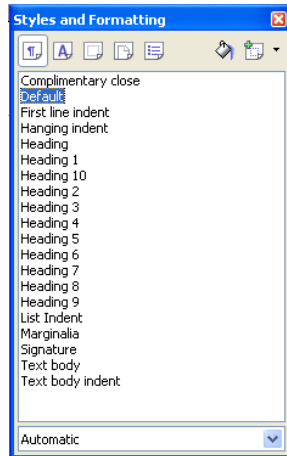
Export | Cancel | Help

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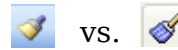 - No printing
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Filling out details in Adobe PDF

General Events

Font......................
Alignment.................. Center
Background color......... Default
Word break............... No
Action..................... Submit Form
None
URL........................ Submit form
Frame..................... Reset form
Open document/web page
Default button............ First record
Previous record

Name: foo

Address: bar

Tel: 12314
Sex: Male Female

Submit! Clear

Name:

Address:

Tel:

Male Female

Submit! Clear

Word vs. Writer

Styles and Formatting

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Default
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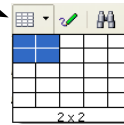
vs.

Get the Stylist via hitting the F11 key

Format Paintbrush is used to copy a style (manually created) and apply it to other parts of the text.

Format Paintbrush = Format Painter in Word

Word vs. Writer

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the toolbar quickly
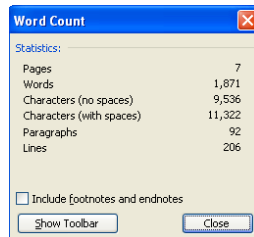(Ctrl+F12 is another)

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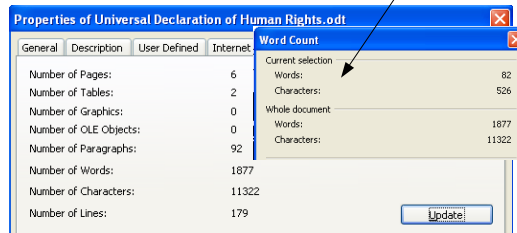 - Standard, Extended, and also Data Source (i.e. Pull data from a database)

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- Object insertion
  - Insert -> Object -> Choose an object
- Word Count
  - Fixed via File -> Properties -> Statistics

Notice count for selection!

Word Count

Statistics:

Pages	7
Words	1,871
Characters (no spaces)	9,536
Characters (with spaces)	11,322
Paragraphs	92
Lines	206

☐ Include footnotes and endnotes

[Show Toolbar] [Close]

vs.

Properties of Universal Declaration of Human Rights.odt

General | Description | User Defined | Internet

Number of Pages:	6
Number of Tables:	2
Number of Graphics:	0
Number of OLE Objects:	0
Number of Paragraphs:	92
Number of Words:	1877
Number of Characters:	11322
Number of Lines:	179

Word Count

Current selection

Words:	82
Characters:	526

Whole document

Words:	1877
Characters:	11322

[Update]

Excel vs. Calc

- No more row limitation – 65536 rows!
- Complex statistical functions might be unavailable
- Which is correct?
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This is one of the most common differences that will affect you. Take note of the ";" instead of the ","!

Fun bug: http://qa.openoffice.org/issues/show_bug.cgi?id=18704
The discussion of recent article on Slashdot mentioned that, for all its money
and resources, Microsoft has botched the statistical functions in the Excel
spreadsheet:

http://www.agresearch.cri.nz/Science/Statistics/exceluse1.htm
http://www.practicalstats.com/Pages/excelstats.html
http://www.cof.orst.edu/net/software/excel/no-stats.php
http://www.npl.co.uk/ssfm/ssfm1/validate/testing/excel.html

If with all their resources they can't do it right, I have to say that I'm
concerned about a package (Calc) put together mostly by volunteer programmers
(not statisticians and not numerical analysts, I would presume). This is not to
slam those people, but statistics is no place for amateurs, even those copying
formulas out of a book.

I would suggest that all statistical functions in Calc be vetted by an
computer-experienced statistician, who will run extensive tests and report on
weak areas. All functions, especially the statistical functions, should also be
examined by someone experienced in numerical computing. At the very, very least,
the developers need to find a large suite of tests to thoroughly
exercise the code.

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  - Can do statistical analysis on data independent of the sheet/cells (spreadsheet) **but also** data sources!

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- Animated sequences, multimedia plug-in's not Impress's strong points
  - Requires Java Media Framework
- Export to Flash, layers, and live data sources are
- Limited templates
- Can also create via Writer (styles)
  - File -> Send -> AutoAbstract to Presentation

Demo this:
Google for the UN Universal Declaration of Human Rights
Copy/Paste into Writer
Look at the styles
(Notice the use of Heading 4's)
File -> Send -> AutoAbstract to Presentation
Presto, a simple, easy to use presentation created!

Access vs. Base

- File incompatibility
- All is not lost
  - Use the MySQL Migration Toolkit
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- Benefits are a plenty – web access to your DB!

Access vs. Base

Base displays and edits the migrated Access database, directly to MySQL.

An SQL query to show some data from the database.

Updates have been applied! Its instant.

Migration tools

- SCAI Migration Analysis Tools
- Resolvo MoveOver
- File -> Wizards -> Document Converter AutoPilot

SCAI – still dumps to Excel files ! Not really for Office 2000/2003

Resolvo – compatible with very old Linuxes, still OOo 1.1 based

Everything else you're used to...

is pretty much the same!

Queries

AutoText in Writer

Hyperlinking   Goal Seek

Bookmarks   Reports   Headers & Footers

Templates   Scenarios   Forms

Mail Merge   Drawing

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Formatting   Math   Table of
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Thank You!

Colin Charles
colin@{mysql.com,arenatechniques.com}
http://www.bytebot.net/
http://www.arenatechniques.com/