



# The Directions of KOffice

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## Who am I?

- Inge Wallin
- KDE contributor since 2005
- KOffice Marketing Coordinator
- Kchart maintainer
- KOffice Hacker
- Cofounder of KO GmbH





# Agenda

Definition of KOffice

History and Current State

The Directions of KOffice

Details



## KOffice Contains:

- According to the KOffice White Paper:
  - An **open source based Office Suite**
  - A set of **File Conversion Programs**
  - A **Library of Plugins**
  - A set of **Toolkits and libraries** to create and manipulate office documents



# KOffice Applications

KOffice.org - Mozilla Firefox


File Edit View History Bookmarks Tools Help

http://www.koffice.org/


Most Visited OpenStreetMap HOoffice Release Notes KDE To Reply Fedora Project Red Hat OpenStreetMap Free Content LWN.net Weekly Editio...

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**KWord** is an intuitive word processor application with desktop publishing features. With it, you can create informative and attractive documents with ease.




**KSpread** is a fully-featured spreadsheet application. Use it to quickly create spreadsheets with formulas and charts, to calculate and organize your data.




**KPresenter** is a powerful and easy to use presentation application. You can dazzle your audience with stunning slides containing images, videos, animation and more.




**Kexi** for integrated data management




**KPlato** for project planning




**Kivio** for diagramming and flowcharting



**Karbon** for drawing vector graphics



**Krita** for painting and image editing



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# KOffice Demo



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## A Bit of History

- Very old project: Started 1998
- Last 1.x was 1.6, released **Oct 2006**
  - 1.6.3 released Jun 2007
- Version 2.0 released **May 2009**
  - Technology preview
- Latest stable: 2.2 in **May 2010**





## History: The Plights of KOffice

- Two really large changes:
  - Moving from own fileformats to **OpenDocument**
  - Moving from Qt3/KDE3 to Qt4/KDE4  
--> a VERY long time before 2.0
- Many thought KOffice was dead.
  - We now have a **GOOD base platform**



## New Features in the Latest Release 2.2

- Kexi is back!
- New import filters for MSOOXML formats
- Metadata handling (ODF 1.2)
- More ODF features rendered everywhere
- New UI / Platform: Maemo 5
- Library cleanups



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## The Directions of KOffice

- Moving towards full OpenDocument support
  - ODF 1.2 released in October
- New Platforms
  - Windows
  - Maemo 5
  - Mac OS X coming



## The Directions of KOffice (2)

- New user interfaces
  - Mobile already there (Maemo 5)
- More and better filters
  - Particularly Microsoft formats
  - Mostly import for now.
- New applications and plugins



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1. Definition of KOffice
2. History and Current State
3. The Directions of KOffice
4. **Details**





## Towards Full ODF 1.2 Support

- Open Formula in Kspread
- Metadata with RDF
  - Demo
- Many small additions



## KOffice on Different Platforms

- Problem is normally not KOffice but the dependencies
  - DBUS!
- Sometimes also resources
  - CPU/RAM/etc on embedded platforms
- Qwidgets vs QGraphicsView
- Demo of KOffice on Windows



## New Types of User Interfaces

- Other form factors (smaller!)
- Touch screens
- Other profiles
  - Viewers
  - Simplified e.g.





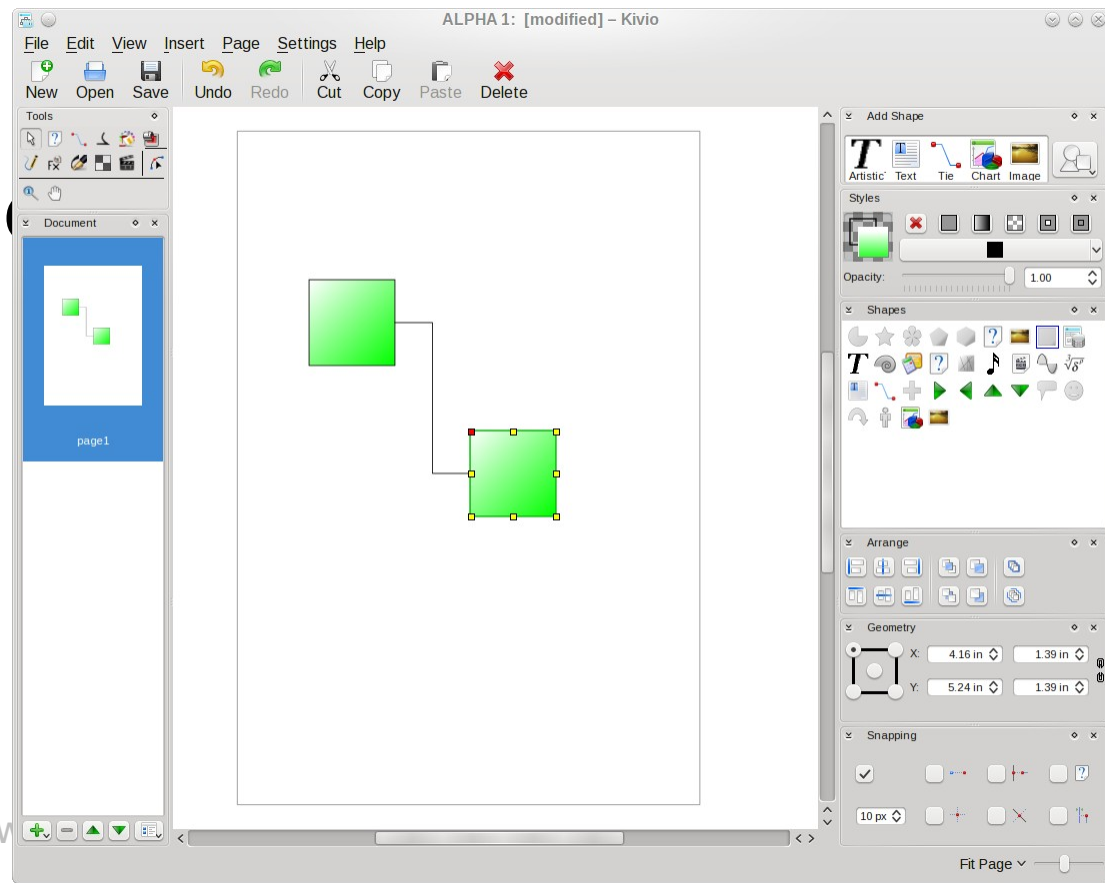
## Filter Architecture for Import/Export

- Filters are file format converters
  - Can be combined (chained)
  - Stand-alone command line tool
- New features coming
  - Handle embedded documents
  - Common library for MS formats
    - For PPT already auto-generated parser from an XML-based description



# New KOffice Applications

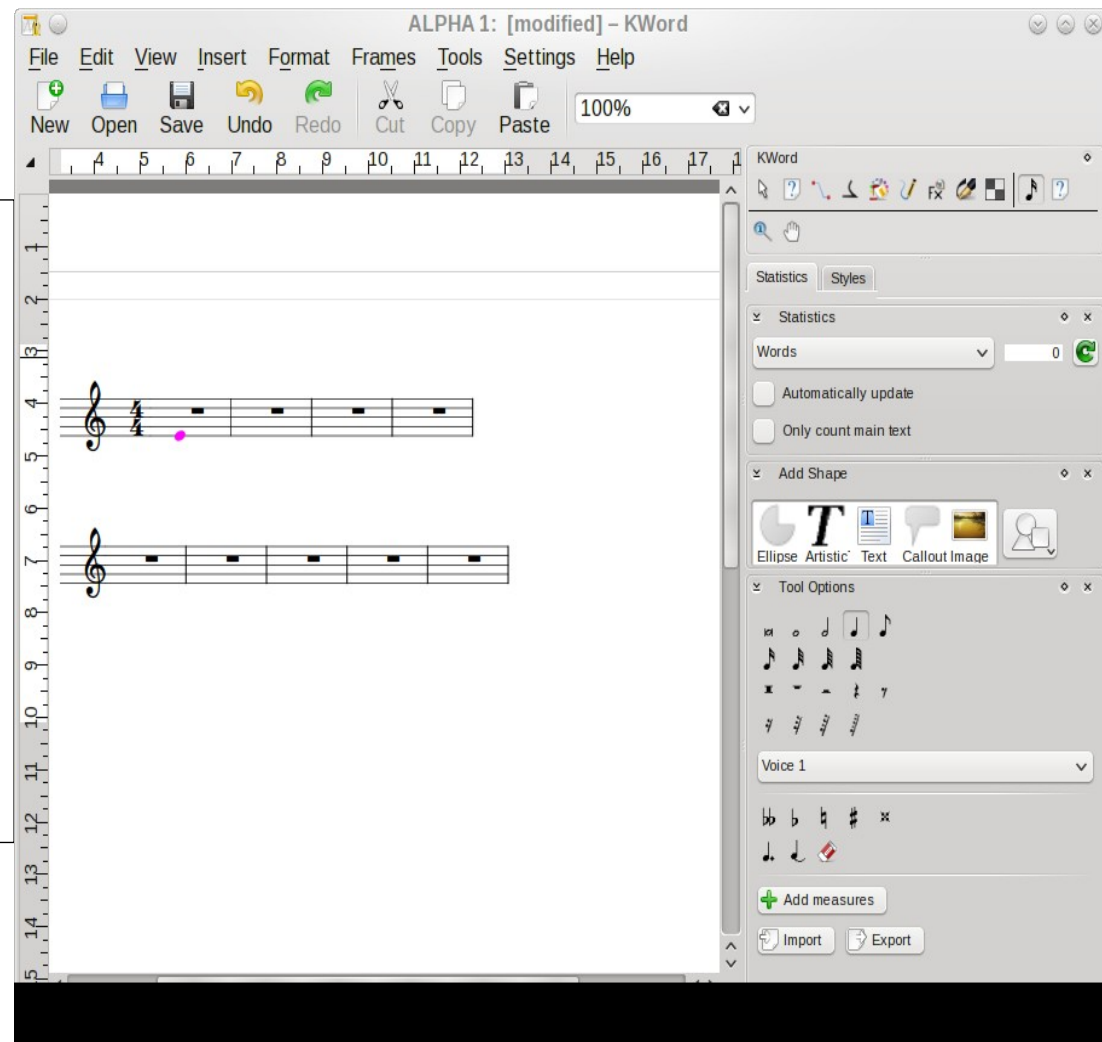
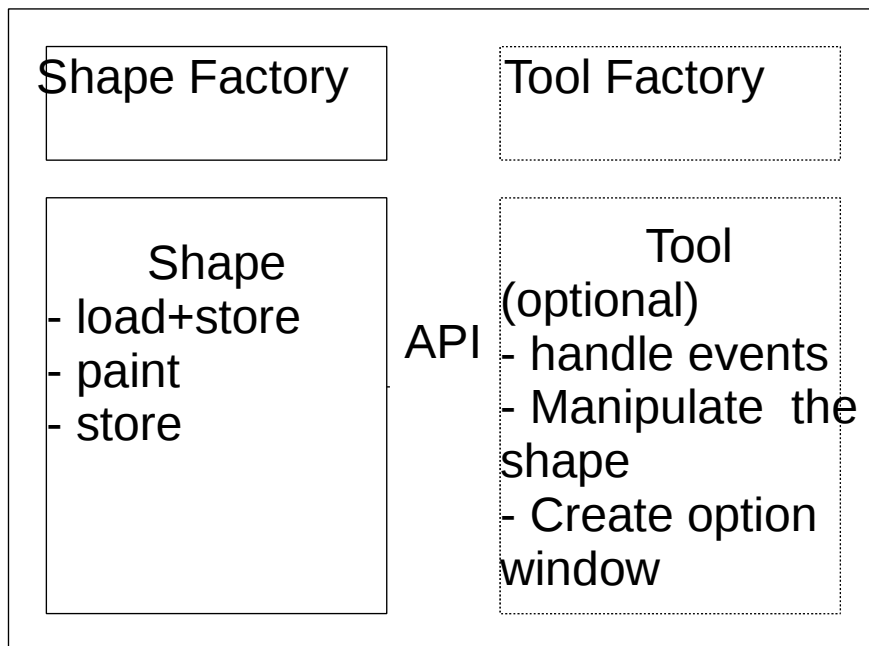
- **Kivio**, diagram editor
  - Almost karbon, but with a stencil library
- **Mindmap** appl.
  - Still only a treeview





# Creating new Plugins

## Shape plugins







## Conclusion

**KOffice is developing**

***Quickly***

***In All Directions***

***Join Now!***

