CONNECT, EMBED, INTEGRATE

LIBREOFFICE AS A BUILDING BLOCK FOR YOUR SYSTEMS
CIB: SOLUTIONS FOR YOUR CHALLENGES

Our strength – developing document lifecycle and correspondence management solutions that integrate with your computing landscape.

Our building blocks:

> Generating and processing PDFs
> Operate LibreOffice professionally
> Generate and process invoices the smart way
> Exchange data safely and securely

Mobile  Security  Cloud  Open Source  Big Data
FUTURE OF OPEN SOURCE SURVEY 2015:

MOST VALUABLE OPEN SOURCE PROJECT?
Cost, Control, Time to Market & Quality

78% OF COMPANIES RUN ON OPEN SOURCE

LESS THAN 3%
DON’T USE OSS IN ANY WAY

The Swiss Army Knife Metaphor
LIBREOFFICE PROGRAMMABILITY

QUESTIONS? WE’VE ANSWERS

HTTP://LIBREOFFICE.CIB.DE/SUPPORT
LibreOffice Eclipse Plugin

- Work done during several GSoC periods by Cedric Bosdonnat (with contributions by Dan Corneanu, Oliver Specht, and Ludovic Smadja)

- Fixed & improved to work with LibreOffice by Samuel Mehrbrodt: https://smehrbrodt.wordpress.com/2016/01/08/libreoffice-and-eclipse-loeclipse-2-0-released/

- Grab it here: http://eclipse-plugins.libreoffice.org/
LibreOffice Eclipse Plugin: Selling points

- Wizard-based extension development
- Streamlined deployment & debugging experience:
  - Deploy on press of a button, optionally into separate userdir
  - Debugging deployed extensions from inside Eclipse IDE

– DEMO –
LibreOffice Eclipse Plugin: Demo
NOA-Libre: Nice Access to Office API

- high level functions for common stuff
- Done by IOn AG, originally:
  http://ubion.ion.ag/solutions/004niceofficeaccess
- LibreOffice version here:
  https://github.com/LibreOffice/noa-libre
NOA-Libre: Nice Access to Office API

- lightweight UNO wrapper API for many UNO interfaces
- access to underlying UNO interfaces from wrapper objects
- Now able to use in-tree Office jars, and build against maven
- Used in production for a large OSGI-Plugin based Rich-Client Java application
- Used by e.g. by Gnuaccounting, and Thera-Pi
- Here’s an example: https://github.com/LibreOffice/noa-libre/blob/master/examples/calc/Snippet15.java
JEXO: Jave Extension Helper

- Developed by Benjamin Sponring, now at BRZ
- Available here: http://sourceforge.net/projects/jexo/
- Same thrust as for NOA – simplify Office API usage
- But targetted at extensions vs. embedding
Further resources

- Maven LibreOffice repo:  
  http://repo1.maven.org/maven2/org/libreoffice/

- Cedric's LOEclipse Tips & Tricks:  
  http://bosdonnat.fr/tag/ooeclipse.html

- Dmitri Popov tutorial:  
  http://www.linuxjournal.com/article/9412

- LibreOffice extensions:  
  https://wiki.documentfoundation.org/Development/Extension_Development

- OOo ecosystem links:  
  - https://wiki.openoffice.org/wiki/Extensions_development
  - https://wiki.openoffice.org/wiki/JavaEclipseTuto
  - And of course the Developer Guide as the ultimate compendium:  
Outlook / further work

- More statically-typed UNO API / wrappers for better IDE support
- Training materials – videos, more examples, one-stop shop for non-core developers to go to
- StarBasic – is there value in improving the developer experience, e.g. external IDE support
WOLLMUX – LIBREOFFICE TEMPLATES & MAIL MERGE EXTENSION

> WollMux - https://github.com/WollMux/WollMux
  - Template- and letterhead management
  - Java-based LibreOffice-Extension
  - Screenshots:

![WollMux-Screenshots](image-url)
OfficeAktensystem
- Connects to internal DMS
- Round-trips metadata, plus some amount of custom UI inside LibreOffice
- Java-based LibreOffice extension
Macro solutions
- Automate routine tasks
- Have own custom UI
- Example: insert data via CSV into Writer documents
THANK YOU!

OUR PRODUCTS:
HTTP://LIBREOFFICE.CIB.DE/

WE CAN HELP:
HTTP://LIBREOFFICE.CIB.DE/SUPPORT