



# OpenOffice.org Development – how to start

Jürgen Schmidt  
OpenOffice.org  
Sun Microsystems, Inc.



# OpenOffice.org Development

– how to start

- Motivation
- Basic skills
- How to start
- Build BrOffice
- Q & A

# Motivation

... to develop for OpenOffice.org

- to fix your most annoying bug or problem by yourself.
- to help to bring the project/product forward
- to make the office better, faster, etc.
- to learn, understand the internals
  - > to provide a new level of support to your customers
  - > to make and contribute bug fixes
  - > to make the program more stable

# Basic Skills

... to get started

- C++ programming language
  - > because OpenOffice.org is developed mainly in C++
  - > millions line of code in C++
- English language
  - > at least to be able to read and write in English
  - > necessary to communicate with other core developers
    - via email, mailing list or on IRC
- Willingness to learn

# How to start

- create an OpenOffice.org account (if not already done)
  - > <http://www.openoffice.org/servlets/Join>
- register to some mailing lists
  - > at least [dev@openoffice.org](mailto:dev@openoffice.org)
  - > maybe also [dev@api.openoffice.org](mailto:dev@api.openoffice.org) and [dev@extensions.openoffice.org](mailto:dev@extensions.openoffice.org)
- Introduce yourself on the mailing list

# How to start

- Prepare and configure a working OpenOffice.org build environment
  - > to build the office on your own
  - > to be able to build specific code with debug information
  - > learn how to debug the office
- <http://wiki.services.openoffice.org> → Main wiki
- <http://wiki.services.openoffice.org/wiki/Development>
- [http://wiki.services.openoffice.org/wiki/Documentation/Building\\_Guide](http://wiki.services.openoffice.org/wiki/Documentation/Building_Guide)

# How to start

```
> hg clone http://hg.services.openoffice.org/DEV300 OOo/ooo
> wget http://tools.openoffice.org/unowinreg_prebuild/680/unowinreg.dll \
  -P OOo/ooo/external/unowinreg
> wget ftp://ftp.mozilla.org/pub/mozilla.org/seamonkey/releases\
  /1.1.14/seamonkey-1.1.14.source.tar.bz2 -P OOo/ooo/moz/download
> cd OOo/ooo
> ./configure --enable-werror --with-use-shell=bash CC=gcc-4.0 CXX=g++-4.0
> ./bootstrap
> . MacOSXX86Env.Set.sh
> cd smoketestoo_native
> build --all -P2 -- -P2
```

# How to start

- Once you have a working build environment, look for a concrete task
  - > look for an issue you want to investigate and fix
  - > or think about a new feature or improvement of some existing functionality
- talk with other developers on the mailing list
  - > to find the correct code place
  - > to get background information
- Compile the code with debug information
  - > and debug the code to understand
  - > work with the code to get familiar with it
- Make changes in the code, test it, debug it etc.
- OpenGrok code search → <http://svn.services.openoffice.org/opengrok/>

# Build BrOffice

```
> cd OOo/ooo  
> . MacOSX86Env.Set.sh  
> export WITH_LANG=pt-Br  
> cd instsetoo_native/util  
> build -all  
> dmake broffice_pt-BR
```

# More information

- Developer Resources
  - > mailing list: [dev@openoffice.org](mailto:dev@openoffice.org)
  - > IRC (freenode): [#dev.openoffice.org](https://www.freenode.net/channels/#dev.openoffice.org)
- Links
  - > <http://wiki.services.openoffice.org> → Main wiki
  - > <http://wiki.services.openoffice.org/wiki/Development>
  - > [http://wiki.services.openoffice.org/wiki/Documentation/Building\\_Guide](http://wiki.services.openoffice.org/wiki/Documentation/Building_Guide)
- OpenGrok code search → <http://svn.services.openoffice.org/opengrok/>

# More information

- Links
  - > Draw, Impress, Chart
    - <http://graphics.openoffice.org/>
    - [dev@graphics.openoffice.org](mailto:dev@graphics.openoffice.org)
  - > Spreadsheets, Data Pilot, Calc Add-ins
    - <http://sc.openoffice.org/>
    - [dev@sc.openoffice.org](mailto:dev@sc.openoffice.org)
  - > Writer, Spell checker, Hyphenator, thesaurus, math (formular)
    - <http://sw.openoffice.org/>
    - [dev@sw.openoffice.org](mailto:dev@sw.openoffice.org)

# Q & A



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[juergen.schmidt@sun.com](mailto:juergen.schmidt@sun.com)