LibreOffice in the City of Munich
Our transition from OOo 3.2.1 to LO 4.1.6+ (incl. WollMux)

Jan-Marek Glogowski, Linux Client Team
it@M, Landeshauptstadt München
City facts

- 1.5 million residents
- 3rd largest city in Germany, 12th in Europe
- ~ 33,000 employees
- ~ 1,000 IT personal
- ~ 24,000 PC workstations
- ~ 50 operating locations
- 22 independent IT departments
- heterogeneous infrastructure
Tech facts – LiMux release

- Current Release: 5.0
  freezeed in DAK @ 2014-11-27
- Based on Kubuntu 12.04 with KDE 4.12 from PPA
- 18.000 of 24.000 PCs are LiMux based
  - Currently most of all are still on OOo 3.2.1
- LibreOffice 4.1.6+ (plus = a few 100 patches) + WollMux
  - Almost all patches are backports and also in master
  - All patches available in private/jmux/libreoffice-4-1-...
Automated building / testing

- Two Tinderboxes with check, building KDE4 Debian packages
  - master on Ubuntu 14.04 / amd64
  - libreoffice-5-0 on Ubuntu 12.04 / i386
- Internal Jenkins jobs for
  - libreoffice-4-1 on Ubuntu 10.04 / i386, Ubuntu 12.04 / i386 and Windows 7 32bit
  - libreoffice-5-0 on Ubuntu 12.04 / i386 and Windows 7 32bit
- Linux builds use a part of our Icecream build network and ccache, Windows 7 is a 8 CPU KVM virtual machine.
What we found:
- KDE4 file picker crashes LO (due to Qt4 bugs)
- Mail merge much slower
  - But at least not more broken then in OOo
- Asynchronous printing removed → much slower
- Broken new APIs (i.e. Calc conditional formating)
  - Macro conversation not possible
  - Macro re-deployment
- Calc indirect references broken
- ...

(LO 4.1.6 already out of support for a long time in 2014-12)
What we did: massive tests
- ~100 standard macros
- ~100 additional, non-automated tests
- Various additional tests in the individual departments to cover their special purpose software and processes
- We had 1 year for features, bugfixes and tests for 4.1
  - ½ time due to additional features
  - We're expecting 6 months tests and fixes for 5.0!

For our macro / “app” / deployment / development techniques see Florian Haftmanns talk @ Thursday 11:30
Future plans

- Migrate to LO 5.0 Q2 2016
  - Almost all our current patchset included
  - Testing starts in October 2015
    - Still in community support :-) 
  - Still compiles with Kubuntu 12.04 (gcc 4.6)
    - Will be our largest installed base in 2016
    - BTW: transition to 14.04 Kubuntu until 2017
  - Will be supported for 2 years
    - Next LO transition Q2 2018 currently AKA LO 5.4
    - See any problem with the 6 months release cycle?
BTW: our own LO LTS

- Munich is already doing its own LTS
- Remember – we have a few hundred patches
- Security updates anyone?!
- Multiple companies offer LTS LO version
- For every release (½ year) we would have to to
  - evaluate all our macros
  - test all our common use cases
- We expect our LO 5.0 tests and bug-fixing to run for 6 months
- For us it would be nice to have a 2 year cycle (Ubuntu LTS)

Interested in LTS? Go to the LTS BoF @ Fr. 9:30
More information

- www: http://www.muenchen.de/limux
- email: limux@muenchen.de
- talk: Linux in the City of Munich @ DebConf15