LibreOffice Release Process

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Content

• who makes it happen
• why time based release
• from one build to the release cycle
• challenges
Who Makes it Happen
Teams and Collaboration

- Development
- L10n
- Pootle
- GIT
- Tinderbox
- Bugzilla
- TDF/Wiki
- QA
- Marketing
- Documentation
- Users

- Daily Build
- Beta/RC Build
- Last RC Final

IRC
Mailing list
Why Time Based Release
Time Based Release

• predictable releases
  - every month vs. long delay
  - synchronization with other projects

• enforces discipline and reduces stress
  - missed train
  - next one is close

• makes happy enthusiasts and conservative users
  - get what you expect
  - use what you want
From One Build to the Release Cycle
One Build

• commit deadline (Monday)
  - volunteers working over the weekend; changed minds
• review pending fixes (Monday, Tuesday)
• tag (Tuesday)
• build for Windows, Linux, Mac (Tuesday to Thursday)
  - one day is enough when no problems appear
• upload to pre-prerelease ftp (Wednesday or Thursday)
• upload to mirrors (Thursday or Friday)
• announce (Thursday or Friday)
One Release – part A

• free development
  - features
  - more complicated or less annoying bugs
  - code clean up

• feature freeze
  - no big changes after this point
  - modify strings only when important

• beta phase (branch libreoffice-x-y)
  - bugfixing without review
  - late features need two approvals with different affiliation
One Release – part B

• hard string freeze
• rc phase
  – fixes need one review
• final stabilization phase
  – branch libreoffice-x-y-0
  – only super safe (translation) fixes; need 3 reviewers
  – must not trigger another long testing round
• last rc build == x.y.0 release
• bug fix releases
  – like rc + final stabilisation phases
  – every month in the beginning until stable; less frequent later
## Release cycle

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**Legend**
- Red: development for large features
- Green: free development heavily affected by another bugfix release
- Yellow: free development less affected by another bugfix release
- Grey: free development almost not affected by other release
- Orange: beta phase after feature freeze
- Black: rc phase for early releases
- Brown: final stabilisation for early releases
- Brown: rc phase for pretty stable product
- Brown: final stabilisation for pretty stable product
- Brown: rc phase for stable product
- Dark Brown: final stabilisation for stable product
- Red: rc phase just for security and critical fixes
- Orange: final stabilisation for security and critical fixes
Challenges
Challenges

• balance work on features and bugs
• sell your great work; mention features in wiki
• keep daily builds available and usable; test them
• more test automatization
• more release build automatization
Keep the great work
Improve LibreOffice
Have fun

Thank you.