

LibreOffice

O proxecto referencia para edición de documentos libres

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Unha clase de historia

Historia do proxecto

- 1985: StarOffice, StarDivision
- 1999: Mercada por Sun Microsystems
- 2000: OpenOffice liberado
- 2002: OpenOffice 1.0
- 2005: Estándar OASIS, OpenOffice 2.0
- 2010: Oracle merca Sun
- 2010: LibreOffice e The Document Foundation
- 2011: Apache OpenOffice

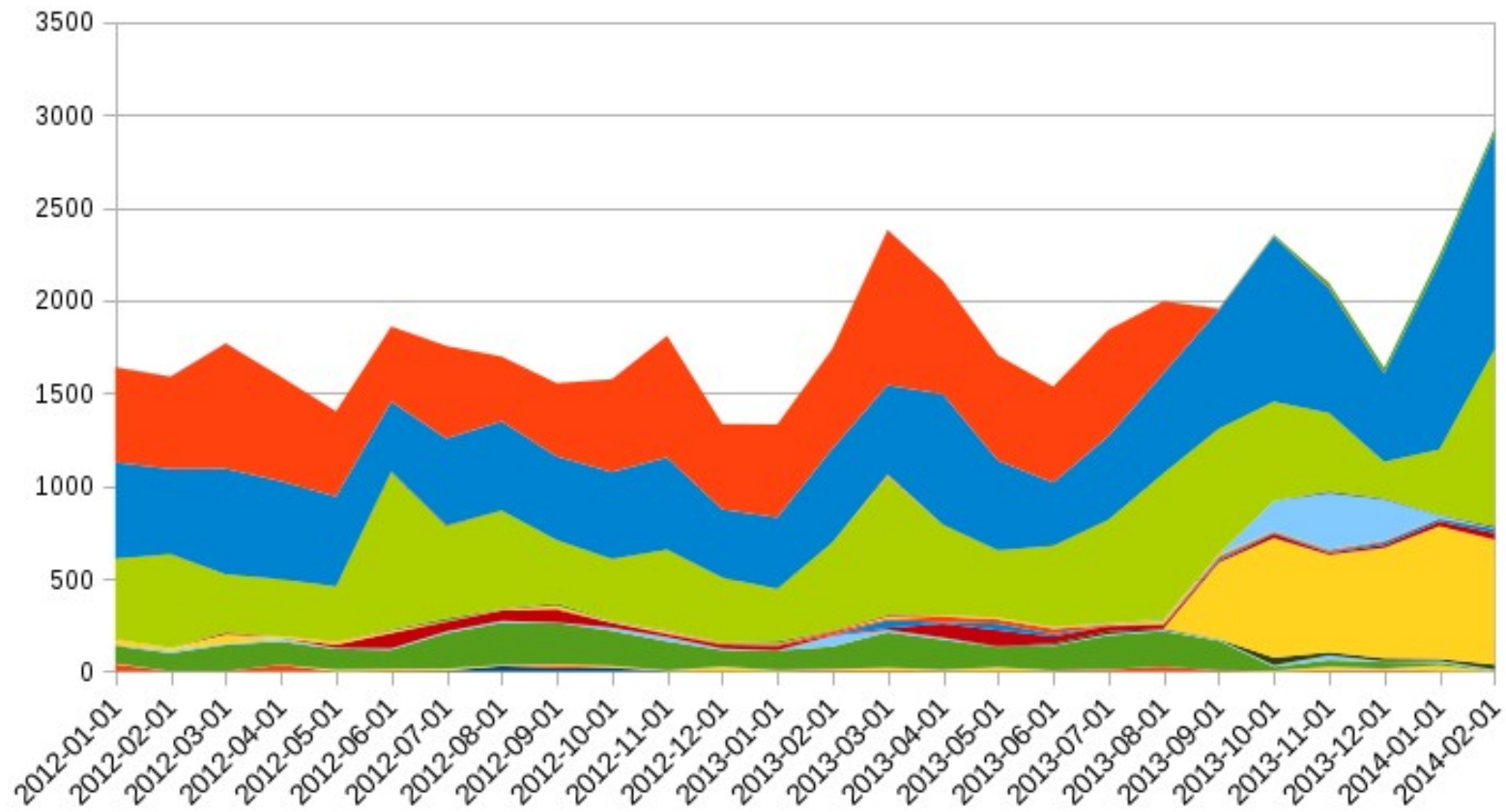
Dinámica de LibreOffice

LibreOffice hoxe

- Arredor de 100 committers e máis de 2000 commits mensuais
- 7M de liñas de código
- >20 anos de historia
 - “Exact history was lost before Sept. 18th, 2000, but old source code comments show that Writer core dates back until at least November 1990.”
- ¡10000 liñas de comentarios en alemán!

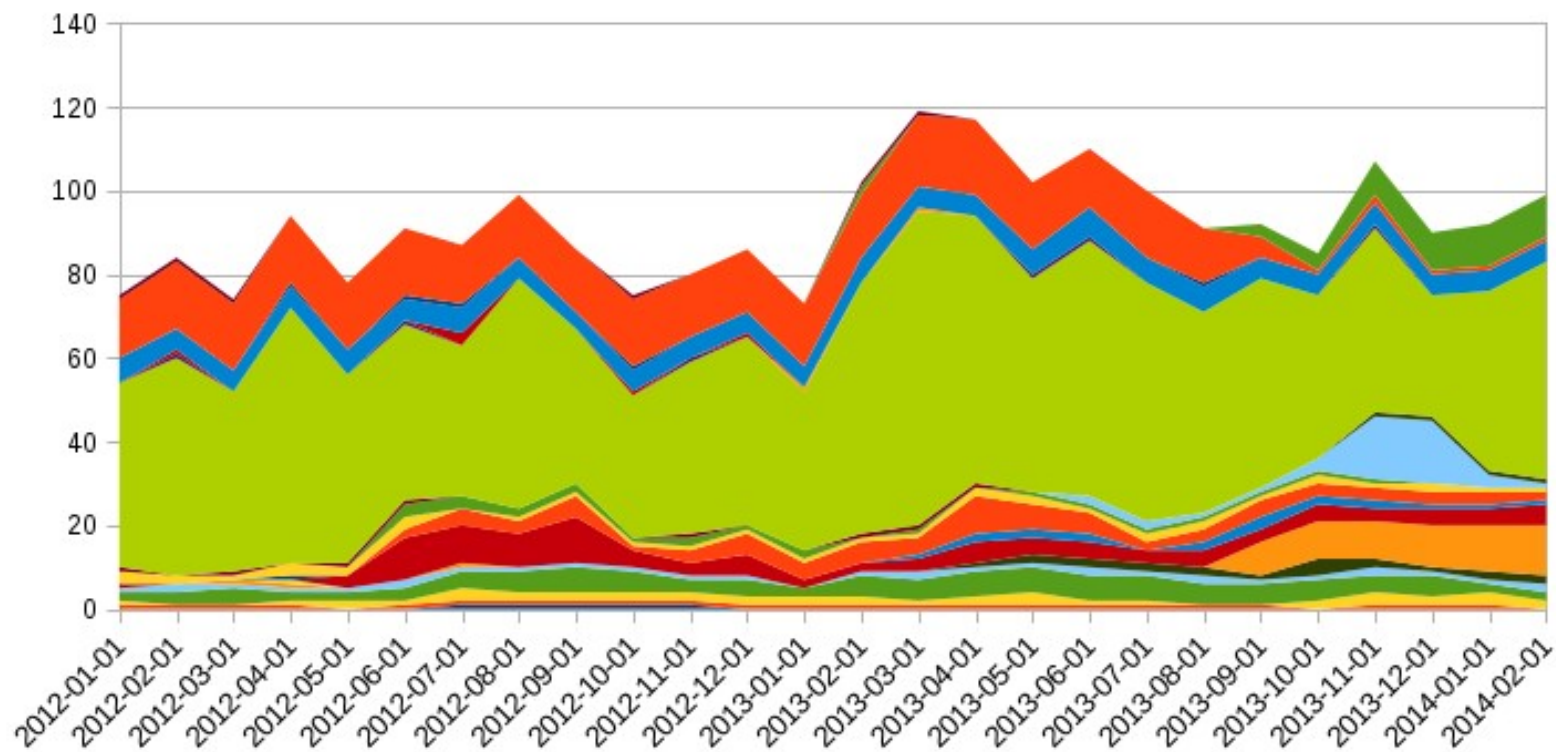
Estatísticas: commits

Code commits per month by affiliation vs. time



Estadísticas: colaboradores

Active individual committers per month by affiliation



Calendario de releases

- Criterio principal: tempo
- Release “maior” cada seis meses (4.2.0)
 - Inclúe novas características
- Release “menor” cada mes (4.2.1, etc.)
 - Só bugfixing
- Fin de vida: 9 meses
- Dúas versións convivindo sempre
 - Agora mesmo: 4.1.5 e 4.2.2

Calendario de releases

- Plan para 4.3
 - <https://wiki.documentfoundation.org/ReleasePlan>

release	freeze	publishing
4.3.0	Week 21 , May 19, 2014 - May 25, 2014	Week 30 , Jul 21, 2014 - Jul 27, 2014
4.3.1	Week 31 , Jul 28, 2014 - Aug 3, 2014	Week 34 , Aug 18, 2014 - Aug 24, 2014
4.3.2	Week 36 , Sep 1, 2014 - Sep 7, 2014	Week 39 , Sep 22, 2014 - Sep 28, 2014
4.3.3	Week 41 , Oct 6, 2014 - Oct 12, 2014	Week 44 , Oct 27, 2014 - Nov 2, 2014
4.3.4	Week 48 , Nov 24, 2014 - Nov 30, 2014	Week 51 , Dec 15, 2014 - Dec 21, 2014
4.3.5	Week 3 , Jan 12, 2015 - Jan 18, 2015	Week 6 , Feb 2, 2015 - Feb 8, 2015
4.3.6	Week 15 , Apr 6, 2015 - Apr 12, 2015	Week 18 , Apr 27, 2015 - May 3, 2015
End of Life	May 27, 2015	

Estándares de documentos abiertos

OpenDocument

- OASIS, 2005
- Baseado en XML + ZIP
- Implementacións nativas: OpenOffice, LibreOffice, Calligra
- LibreOffice: 1.2 + extensións propostas para o estándar
 - <https://wiki.documentfoundation.org/ODF>
- Futuro: 1.3
 - Mellorar a definición do seguimento de cambios
 - Aplicacións de colaboración en tempo real

Office Open XML

- ECMA, 2006
- ISO, 2008 (con cambios)
- Baseado en XML + ZIP
- Implementación nativa: MS Office
 - Versión transicional: desde Office 2007
 - Versión estricta do estándar: Office 2013

Exemplo

Document Freedom Day 2014
GPUL



OpenDocument

```
[jaragunde@goomba test-odt]$ unzip test.odt
Archive:  test.odt
  extracting: mimetype
  extracting: Thumbnails/thumbnail.png
    inflating: content.xml
    inflating: settings.xml
    inflating: meta.xml
  extracting: Pictures/100002010000009600000096F2FF798A.png
    inflating: styles.xml
  inflating: manifest.rdf
    creating: Configurations2/popupmenu/
    creating: Configurations2/statusbar/
    creating: Configurations2/toolbar/
    creating: Configurations2/menubar/
    creating: Configurations2/floater/
  inflating: Configurations2/accelerator/current.xml
    creating: Configurations2/toolpanel/
    creating: Configurations2/progressbar/
    creating: Configurations2/images/Bitmaps/
  inflating: META-INF/manifest.xml
```

OpenDocument

```
<office:text>
  <text:p text:style-name="P1">Document Freedom Day
  2014</text:p>
  <text:p text:style-name="P1">GPUL</text:p>
  <text:p text:style-name="P1">
    <draw:frame draw:style-name="fr1" draw:name="Image1"
    text:anchor-type="paragraph" svg:width="4.233cm"
    svg:height="4.233cm" draw:z-index="0">
      <draw:image
        xlink:href="Pictures/100002010000009600000096F2FF798A.png"
        xlink:type="simple" xlink:show="embed"
        xlink:actuate="onLoad" />
      </draw:frame>
    </text:p>
</office:text>
```

Office Open XML

```
[jaragunde@goomba test-docx]$ unzip test.docx
Archive:  test.docx
  inflating: _rels/.rels
  inflating: word/settings.xml
  inflating: word/_rels/document.xml.rels
  inflating: word/fontTable.xml
  inflating: word/media/image1.png
  inflating: word/styles.xml
  inflating: word/document.xml
  inflating: docProps/app.xml
  inflating: docProps/core.xml
  inflating: [Content_Types].xml
```


Office Open XML

```
<w:body>
  <w:p w:rsidR="00C0626A" w:rsidRDefault="00C05135">
    <w:r>
      <w:t>Document Freedom Day 2014</w:t>
    </w:r>
  </w:p>
  <w:p w:rsidR="00C0626A" w:rsidRDefault="00C05135">
    <w:r>
      <w:t>GPUL</w:t>
    </w:r>
  </w:p>
  <w:p w:rsidR="00C0626A" w:rsidRDefault="00C05135">
    <w:r>
      <w:drawing>
        ...
      </w:drawing>
    </w:r>
  </w:p>
</w:body>
```

¿Preguntas?

¡Gracias!

