



DISTRIBUTION OF OPENOFFICE.ORG

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Sun Microsystems



OpenOffice.org Release Process

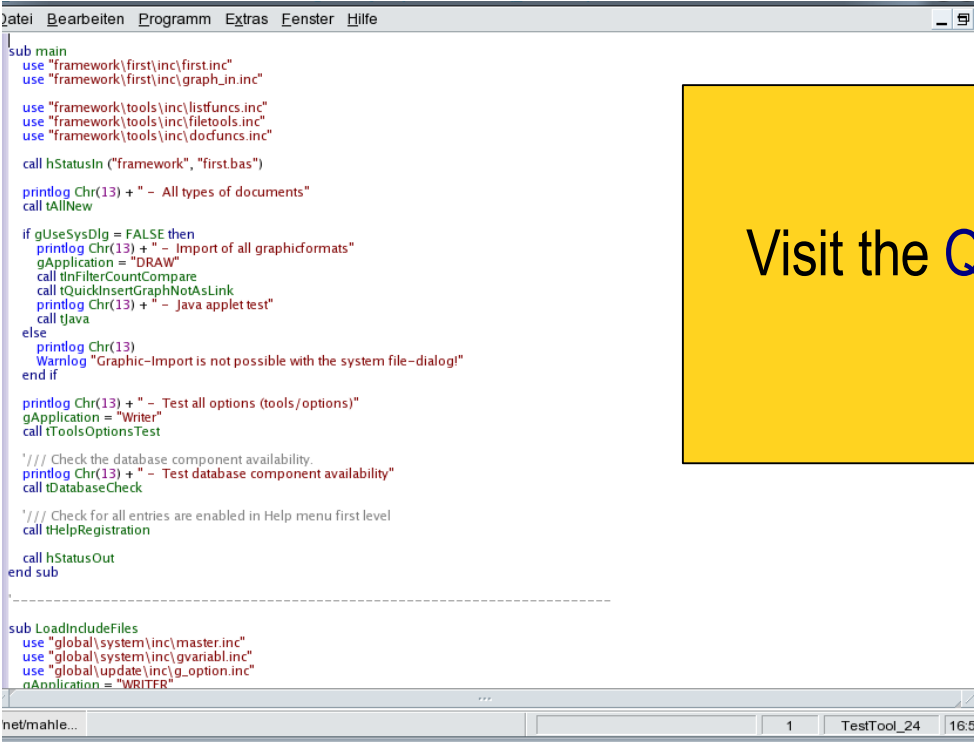
- Release steps
 - > Using TCM to test localized builds
 - > Automation of the release candidate
 - Using TestTool
 - > Documentation and comparison of test results
 - Using QUASTE
 - > Documentation of the release status
 - Using QATrack
 - > Writing a distribution request
 - Using IssueTracker
 - > Adding files to the load balancer

TCM

- Localized versions need to be tested
 - > TCM is a web application containing test cases that help to test the application
 - > Why do I need it ? If resource files are broken then the application will crash.
- http://www.sunvirtuallab.com:8001/tcm2/opensource/tcm_login.cgi?tcm_config=newooo
- http://10n.openoffice.org/localization/About_TCM.html

TestTool

- UI based application automation
 - > BASIC programming language dialect
 - > Test scripts available via CVS/SVN



```
sub main
use "framework\first\inc\first.inc"
use "framework\first\inc\graph_in.inc"

use "framework\tools\inc\listfuncs.inc"
use "framework\tools\inc\filetools.inc"
use "framework\tools\inc\docfuncs.inc"

call hStatusIn ("framework", "first.bas")

printlog Chr(13) + " - All types of documents"
call tAllNew

if gUseSysDlg = FALSE then
printlog Chr(13) + " - Import of all graphicformats"
gApplication = "DRAW"
call tInFilterCountCompare
call tQuickInsertGraphNotAsLink
printlog Chr(13) + " - Java applet test"
call tJava
else
printlog Chr(13)
Warnlog "Graphic-Import is not possible with the system file-dialog!"
end if

printlog Chr(13) + " - Test all options (tools/options)"
gApplication = "Writer"
call tToolsOptionsTest

'//// Check the database component availability.
printlog Chr(13) + " - Test database component availability"
call tDatabaseCheck

'//// Check for all entries are enabled in Help menu first level
call tHelpRegistration

call hStatusOut
end sub

-----

sub LoadIncludeFiles
use "global\system\inc\master.inc"
use "global\system\inc\gvariabl.inc"
use "global\update\inc\g_option.inc"
gApplication = "WRITER"
end sub

net/mahle... 1 TestTool_24 16:54
```

Visit the [QA project](#)

QUASTE

- QUASTE is a web application to compare TestTool result files

The screenshot displays the QUASTE web application interface. At the top, there is a blue header with the Sun Microsystems logo and the text "QUASTE - Quality Assurance Statuspage (Beta 2)". Below the header, a search bar is visible on the right. The main content area shows "Testresults grouped by platform: RELEASE: 000300 m9 [Build: 9358]". A dropdown menu is set to "m9". Below this, there are language selection options including English (USA), Portuguese, Russian, Netherlands, French, Spanish, Hungarian, **Italian**, Swedish, Polish, German, Portuguese (Braz), and Japanese. A table summarizes test results across five platforms: Linux, MacOS, Solaris-Intel, Solaris-Sparc, and Windows. The table shows 2 of 27 release tests and 0 of 190 optional tests for each platform, with 0 errors, 0 warnings, and 0 QAErrorLogs. The bottom row of the table is highlighted in green with blue upward-pointing arrows. On the left side, there is a "Main Menu" with links for Home, Help, MWS testresults, CWS testresults, Testcase Specifications, and Autotests. On the right side, there is a "Login Form" with fields for Username and Password, and a "Remember me" checkbox. At the bottom left, there are logos for MySQL and Sun. At the bottom right, there is a "Contact" link.

<http://quaste.services.openoffice.org>

Selecting files from a build provider

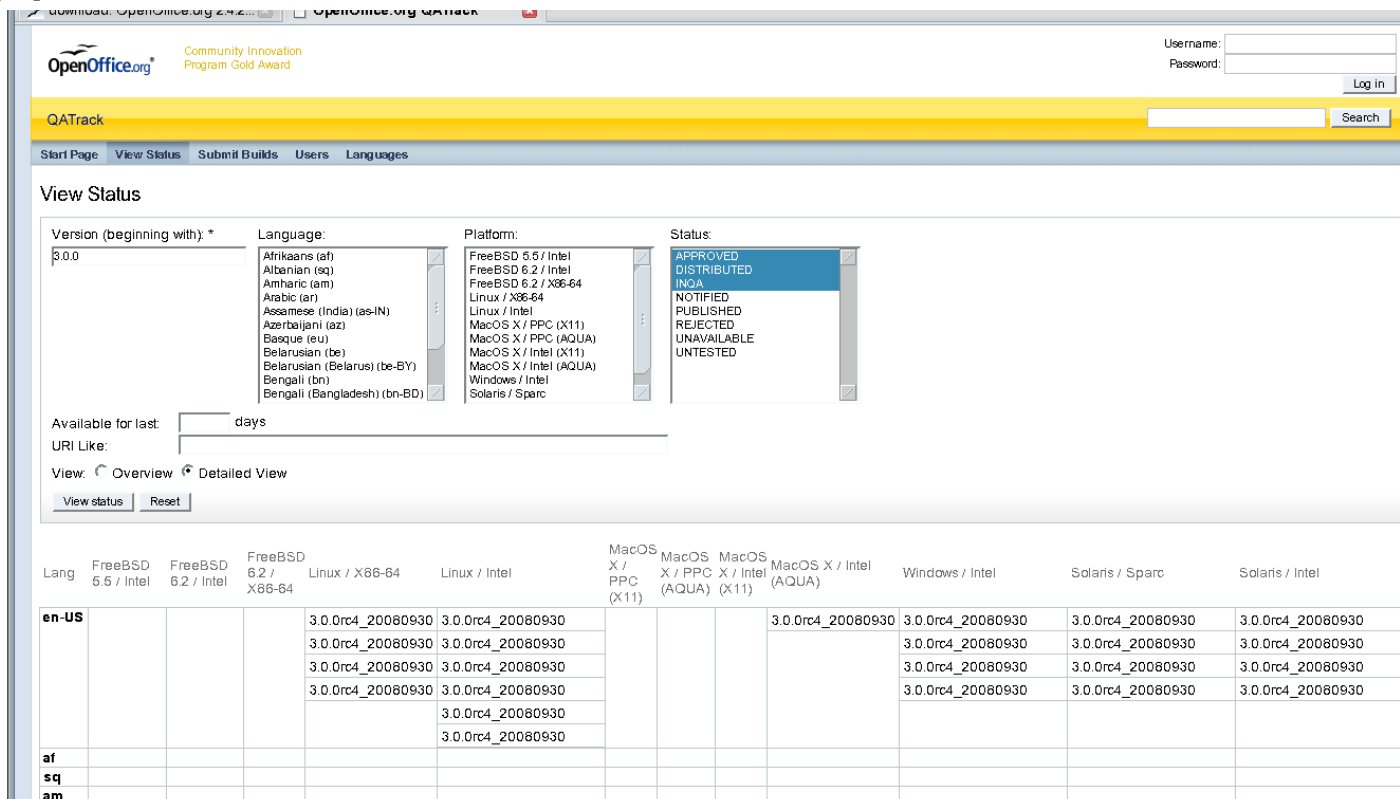
- for OOo 3.0.0 build providers of builds that went into the OpenOffice.org mirror network were
 - > **Sun Microsystems** (all platforms except MacOSX PPC)
 - > **Nakata Maho** (MacOSX Intel + MacOSX PPC)
 - > **Pavel Janik** (all platforms except MacOSX PPC, SolarisSparc and Solaris x86)
 - > **Turkish community** (contributed their own build)



Choose your build provider

QATrack

- QATrack is a web application to document the approval status of files before a release



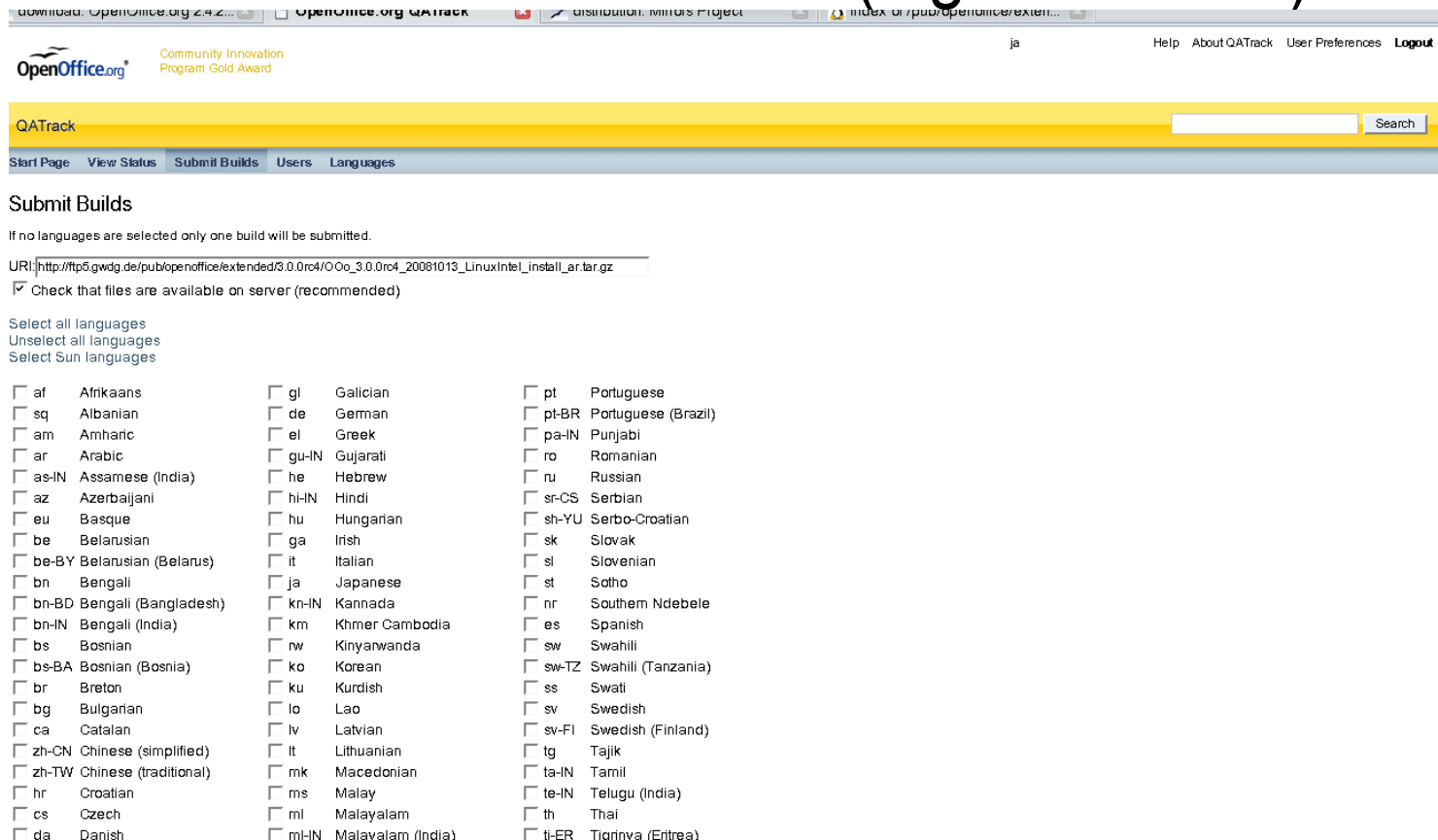
The screenshot shows the QATrack web application interface. At the top, there is a navigation bar with 'OpenOffice.org' logo and 'Community Innovation Program Gold Award'. A search bar and login fields are also present. The main content area is titled 'View Status' and contains several filter sections: 'Version (beginning with): *' with a dropdown set to '3.0.0', 'Language:' with a list of languages, 'Platform:' with a list of operating systems and architectures, and 'Status:' with a list of status options. Below these filters are input fields for 'Available for last: ___ days' and 'URI Like: _____'. There are also radio buttons for 'View: Overview' and 'Detailed View', and 'View status' and 'Reset' buttons. The main part of the page is a table with columns for various platforms and languages, showing build identifiers and their status.

Lang	FreeBSD 5.5 / Intel	FreeBSD 6.2 / Intel	FreeBSD 6.2 / X86-64	Linux / X86-64	Linux / Intel	MacOS X / PPC (X11)	MacOS X / PPC (AQUA)	MacOS X / Intel (X11)	MacOS X / Intel (AQUA)	Windows / Intel	Solaris / Sparc	Solaris / Intel
en-US			3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930			3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930
			3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930							
			3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930							
			3.0.0rc4_20080930	3.0.0rc4_20080930	3.0.0rc4_20080930							
				3.0.0rc4_20080930	3.0.0rc4_20080930							
					3.0.0rc4_20080930							
af												
sq												
am												

<http://qatrack.services.openoffice.org>

QATrack adding builds

- Select the submit builds link (logon needed)



QATrack

Start Page View Status **Submit Builds** Users Languages

Submit Builds

If no languages are selected only one build will be submitted.

URI:

Check that files are available on server (recommended)

Select all languages
 Unselect all languages
 Select Sun languages

<input type="checkbox"/> af Afrikaans	<input type="checkbox"/> gl Galician	<input type="checkbox"/> pt Portuguese
<input type="checkbox"/> sq Albanian	<input type="checkbox"/> de German	<input type="checkbox"/> pt-BR Portuguese (Brazil)
<input type="checkbox"/> am Amharic	<input type="checkbox"/> el Greek	<input type="checkbox"/> pa-IN Punjabi
<input type="checkbox"/> ar Arabic	<input type="checkbox"/> gu-IN Gujarati	<input type="checkbox"/> ro Romanian
<input type="checkbox"/> as-IN Assamese (India)	<input type="checkbox"/> he Hebrew	<input type="checkbox"/> ru Russian
<input type="checkbox"/> az Azerbaijani	<input type="checkbox"/> hi-IN Hindi	<input type="checkbox"/> sr-CS Serbian
<input type="checkbox"/> eu Basque	<input type="checkbox"/> hu Hungarian	<input type="checkbox"/> sh-YU Serbo-Croatian
<input type="checkbox"/> be Belarusian	<input type="checkbox"/> ga Irish	<input type="checkbox"/> sk Slovak
<input type="checkbox"/> be-BY Belarusian (Belarus)	<input type="checkbox"/> it Italian	<input type="checkbox"/> sl Slovenian
<input type="checkbox"/> bn Bengali	<input type="checkbox"/> ja Japanese	<input type="checkbox"/> st Sotho
<input type="checkbox"/> bn-BD Bengali (Bangladesh)	<input type="checkbox"/> kn-IN Kannada	<input type="checkbox"/> nr Southern Ndebele
<input type="checkbox"/> bn-IN Bengali (India)	<input type="checkbox"/> km Khmer Cambodia	<input type="checkbox"/> es Spanish
<input type="checkbox"/> bs Bosnian	<input type="checkbox"/> nw Kinyanwanda	<input type="checkbox"/> sw Swahili
<input type="checkbox"/> bs-BA Bosnian (Bosnia)	<input type="checkbox"/> ko Korean	<input type="checkbox"/> sw-TZ Swahili (Tanzania)
<input type="checkbox"/> br Breton	<input type="checkbox"/> ku Kurdish	<input type="checkbox"/> ss Swati
<input type="checkbox"/> bg Bulgarian	<input type="checkbox"/> lo Lao	<input type="checkbox"/> sv Swedish
<input type="checkbox"/> ca Catalan	<input type="checkbox"/> lv Latvian	<input type="checkbox"/> sv-FI Swedish (Finland)
<input type="checkbox"/> zh-CN Chinese (simplified)	<input type="checkbox"/> lt Lithuanian	<input type="checkbox"/> tg Tajik
<input type="checkbox"/> zh-TW Chinese (traditional)	<input type="checkbox"/> mk Macedonian	<input type="checkbox"/> ta-IN Tamil
<input type="checkbox"/> hr Croatian	<input type="checkbox"/> ms Malay	<input type="checkbox"/> te-IN Telugu (India)
<input type="checkbox"/> cs Czech	<input type="checkbox"/> ml Malayalam	<input type="checkbox"/> th Thai
<input type="checkbox"/> da Danish	<input type="checkbox"/> m-IN Malayalam (India)	<input type="checkbox"/> ti-ER Tigrinya (Entrea)

<http://qatrack.services.openoffice.org>

QATrack status

- White → distributed
- Green → approved
- Orange → in QA

Language	Version	Status	Version	Status	Version	Status
bs-BA						
br						
bg						
ca						
zh-CN	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
zh-TW	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
	3.0.0rc4_20080930	Green			3.0.0rc4_20080930	Green
hr						
cs	3.0.0_081007	Green	3.0.0_081007	Green	3.0.0_081008	Green
	3.0.0_081007	Green	3.0.0_081007	Green	3.0.0_081008	Green
	3.0.0_081007	Green			3.0.0_081008	Green
	3.0.0_081007	Green			3.0.0_081008	Green
	3.0.0_081007	Green			3.0.0_081008	Green
nl						
dz						
en-GB						
en-ZA						
eo						
et						
fi						
fr	3.0.0rc4_20080930	Orange	3.0.0rc4_20080930	White	3.0.0rc4_20080930	White
	3.0.0rc4_20080930	Orange	3.0.0rc4_20080930	White	3.0.0rc4_20080930	White
	3.0.0rc4_20080930	Orange	3.0.0rc4_20080930	White	3.0.0rc4_20080930	White
	3.0.0rc4_20080930	Orange	3.0.0rc4_20080930	White	3.0.0rc4_20080930	White
			3.0.0rc4	White		
			3.0.0rc4	White		
					3.0.0rc4_20080930	White
					3.0.0rc4_20080930	White
					3.0.0rc4_20080930	White
					3.0.0rc4_20080930	White

Distribution request

- After you approved each file in QATrack then please file an issue to IssueTracker

download: OpenOffice.org-... www.issu... 94875

Description: Opened: Sat Oct 11 11:08:00 +0000 2008 Sort by: Oldest first | [Newest first](#)

Hi,

Could you please distribute the following 3.0.0 RC4 builds to the mirror :

<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 Win32Intel install fr.exe>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 Win32Intel install wJRE fr.exe>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 LinuxIntel install fr.deb.tar.gz>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 LinuxIntel install wJRE fr.tar.gz>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 LinuxIntel install fr.tar.gz>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 Win32Intel langpack fr.exe>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 LinuxIntel langpack fr.deb.tar.gz>
<ftp://ftp5.qwdg.de/pub/openoffice/extended/3.0.0rc4/Oo 3.0.0rc4 20080930 LinuxIntel langpack fr.tar.gz>

thanks
Kind regards
JEB

----- Additional comments from [ja](#) Sat Oct 11 12:44:15 +0000 2008 -----

files have been uploaded to mirror master. Bouncer entries will be added when files are distributed

----- Additional comments from [sgauti](#) Sat Oct 11 12:58:27 +0000 2008 -----

Joost,

Thanks a lot to have done so fast :)
Sophie

----- Additional comments from [ja](#) Sat Oct 11 19:35:19 +0000 2008 -----

Bouncer entries have been added. Files still distribute but on some mirrors they're already available. Please check them before you add the links to your download page. And please wait until Monday ;-)

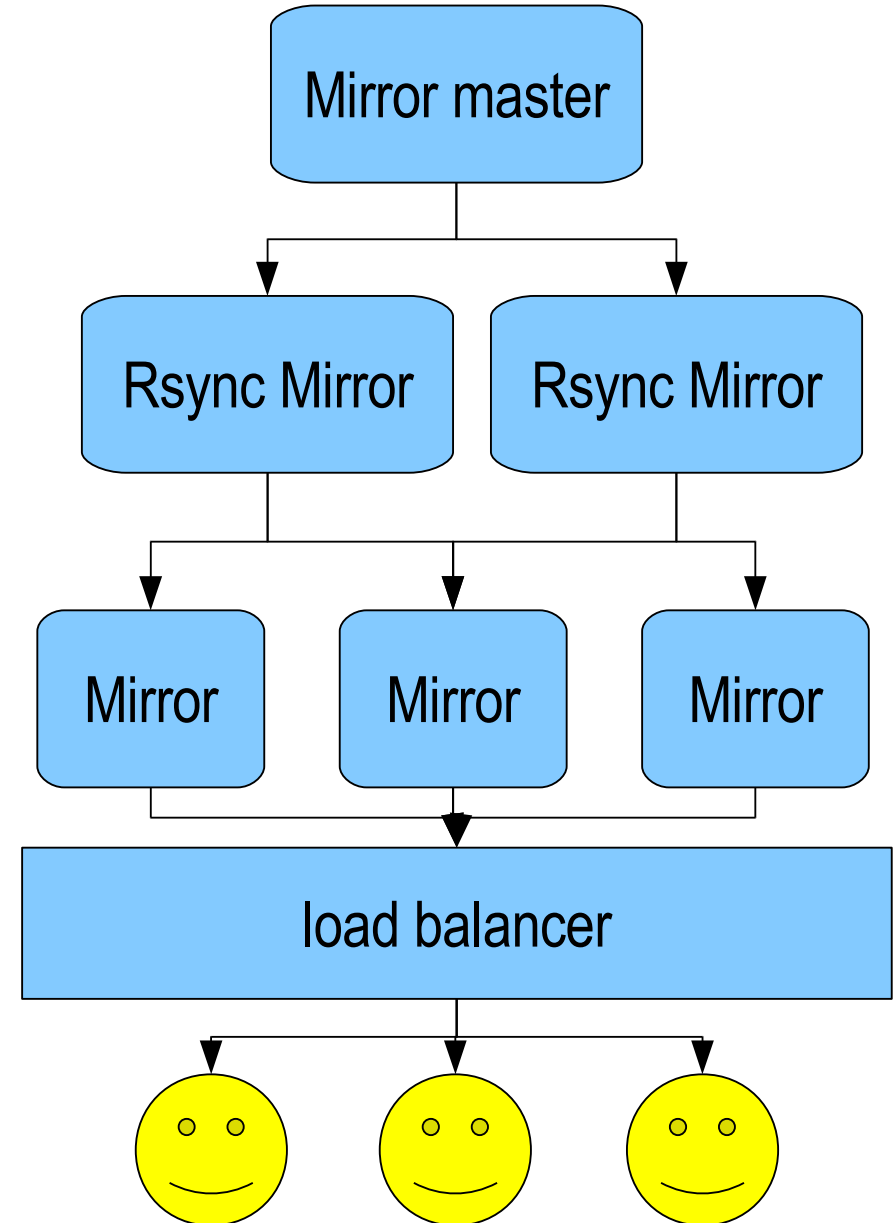
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=winwire&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=win&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=winlangpack&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=linuxintel&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=linuxinteldeb&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=linuxintellangpack&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=linuxintellangpackdeb&lang=fr&version=3.0.0>
<http://openoffice.bouncer.osuosl.org/?product=OpenOffice.org&os=linuxintelwire&lang=fr&version=3.0.0>

ne

eg. issue 94875

Mirrors

- Main (regular) mirror network (~30 GB)
- Extended mirror network (~200 GB)
- Archive mirrors (bigger)



More information available at
<http://distribution.openoffice.org/mirrors/#mirrors>

which file to which mirrors ?

- en-US files to ../stable
- localizations to ../localized or if the server is full
→ ../extended/localized
- Developer snapshots to ../extended/developer
- Release candidates to ../extended
- If files are deleted from main mirror master or from extended mirror master then files get archived to the archive mirrors at
<http://archive.services.openoffice.org/pub/openoffice-archive/>

Distribution time

- Distribution to most of the mirrors takes ~24 hours
- Distribution to most Asian and Australian Mirrors take up to four days

After most files are distributed they can be added to the loadbalancer

Bouncer

- Bouncer is a load balancing application
- Hosted by **Oregon State University OpenSource lab** (OSUOSL)
- A different version of this load balancer is used by Mozilla
- Almost every binary that has been approved will get a Bouncer link. Such a link is very convenient because the end user just clicks a link to get a binary

Bouncer some screenshots

Bouncer

Dashboard

- Mirrors
- Regions
- Files
- Add Multiple Files
- Product Versions
- Operating Systems
- Languages
- Templates
- Users

Product Versions

Actions	Name	GN	Yers.	SN	Path	Status	Date	Downloads
Edit Delete On/Off	BrOffice.org	BrOo	2.3.0	2.3.0	2.3.0	ON	2007-09-14	401
Edit Delete On/Off	BrOffice.org	BrOo	2.4.0	2.4.0	2.4.0	ON	2008-04-03	393395
Edit Delete On/Off	BrOffice.org	BrOo	2.3.1	2.3.1	2.3.1	ON	2007-12-13	4
Edit Delete On/Off	BrOffice.org	BrOo	2.2.1	2.2.1	2.2.1	ON	2007-09-11	341
Edit Delete On/Off	OoO-Dev	OOG690_m8	OOG690_m8	OOG690_m8	OOG690_m8	OFF	2007-11-02	6260
Edit Delete On/Off	OoO-Dev	OOG690_m7	OOG690_m7	OOG690_m7	OOG690_m7	OFF	2007-10-17	5956
Edit Delete On/Off	OoO-Dev	OOG690_m5	OOG690_m5	OOG690_m5	OOG690_m5	OFF	2008-01-28	4204
Edit Delete On/Off	OoO-Dev	DEV300_m14	DEV300_m14	DEV300_m14	DEV300_m14	OFF	2008-05-26	16995
Edit Delete On/Off	OoO-Dev	OOG690_m4	OOG690_m4	OOG690_m4	OOG690_m4	OFF	2008-01-22	3220
Edit Delete On/Off	OoO-Dev	BEA300_m1	BEA300_m1	BEA300_m1	BEA300_m1	OFF	2008-04-25	5931
Edit Delete On/Off	OoO-Dev	OOG690_m2	OOG690_m2	OOG690_m2	OOG690_m2	OFF	2008-01-14	4409
Edit Delete On/Off	OoO-Dev	BEA300_m2	BEA300_m2	BEA300_m2	BEA300_m2	ON	2008-04-30	40982
Edit Delete On/Off	OoO-Dev	DEV300_m7	DEV300_m7	DEV300_m7	DEV300_m7	OFF	2008-04-15	11648
Edit Delete On/Off	OoO-Dev	DEV300_m9	DEV300_m9	DEV300_m9	DEV300_m9	OFF	2008-04-18	5537
Edit Delete On/Off	OoO-Dev	DEV300_m10	DEV300_m10	DEV300_m10	DEV300_m10	OFF	2008-04-22	3822
Edit Delete On/Off	OoO-Dev	DEV300_m5	DEV300_m5	DEV300_m5	DEV300_m5	OFF	2008-04-09	5037
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001
Edit Delete On/Off	OoO-Dev	OOG690_m1	OOG690_m1	OOG690_m1	OOG690_m1	OFF	2007-09-15	3343
Edit Delete On/Off	OoO-Dev	OOG690_m6	OOG690_m6	OOG690_m6	OOG690_m6	OFF	2008-02-04	6001

Bouncer

Dashboard

- Mirrors
- Regions
- Files
- Add Multiple Files
- Product Versions
- Operating Systems
- Languages
- Templates
- Users

Templates

Actions	Name	Extended	Test
Edit Delete Ext. On/Off	oooolalized	OFF	\$(mirror_baseurl)/one
Edit Delete Ext. On/Off	ooofev	OFF	\$(mirror_baseurl)/developer/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	stable	OFF	\$(mirror_baseurl)/stable/\$(pv_path)/\$(pv_product_short_name)_\$(pv_path)_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	oldstable	OFF	\$(mirror_baseurl)/stable/\$(pv_path)/\$(pv_product_short_name)_\$(pv_path)_\$(os_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo23c1	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20070631_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo23c1src	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo23c2	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20070605_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo23c3	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20070910_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo231rc1	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20071113_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo231rc1src	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo24rc1_20080208	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20080208_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo24rc1_20080209	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20080209_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo24rc1_20080211	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20080211_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo24rc1_20080212	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_20080212_\$(os_path)_\$(lang_path)_\$(os_extension)
Edit Delete Ext. On/Off	ooo24rc1_src	OFF	\$(mirror_baseurl)/contrib/\$(pv_path)/\$(pv_product_short_name)_\$(pv_version_short_name)_\$(os_path)_\$(lang_path)_\$(os_extension)

Bouncer

Dashboard

- Mirrors
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Files

Actions	Product	Version	OS	Language	Template	Hash
Edit Delete	BrOffice.org	2.4.0	linuxintel	pt-BR	oooolalized	338152715c1b0d54b4ae8227952e22a8
Edit Delete	BrOffice.org	2.2.1	linuxintel	pt-BR	oooolalized	a4446a3821b2c722e04ae14bb237a
Edit Delete	BrOffice.org	2.2.1	linuxintellangpack	pt-BR	oooolalized	9348c542940418e5e994725cfaa0708
Edit Delete	BrOffice.org	2.4.0	linuxintellangpack	pt-BR	oooolalized	925730ae5318f0d1d1d51e0e0e05088
Edit Delete	BrOffice.org	2.4.0	linuxintellangpack	pt-BR	oooolalized	4c3a3d1981633a4946009473810b01e
Edit Delete	BrOffice.org	2.4.0	linuxintellangpack	pt-BR	oooolalized	15a11135c6df4d4e91d6f8c919291f
Edit Delete	BrOffice.org	2.4.0	windows	pt-BR	oooolalized	63ca993823d062237df4240ea3991918
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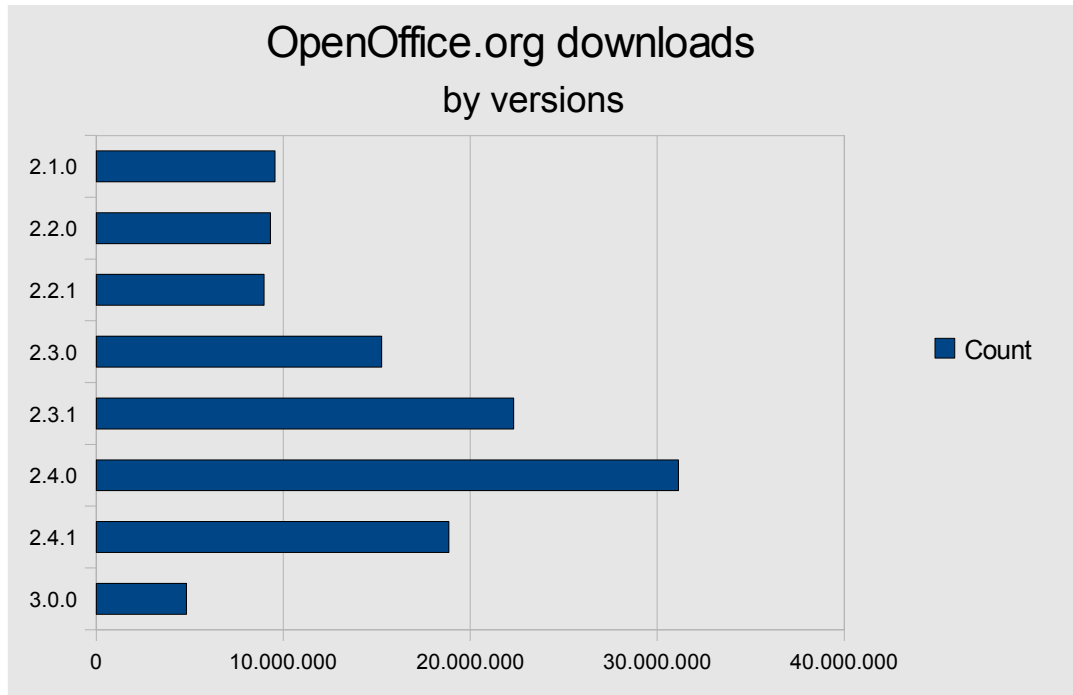
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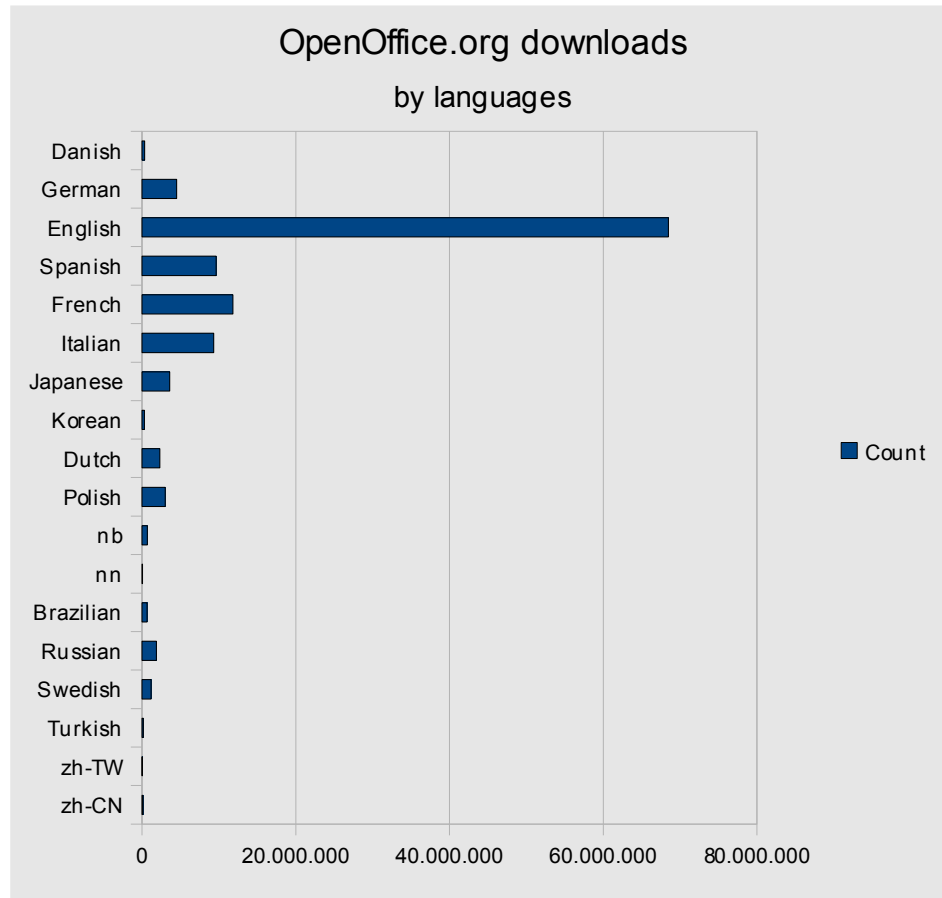
Footnote position, 12 pts.

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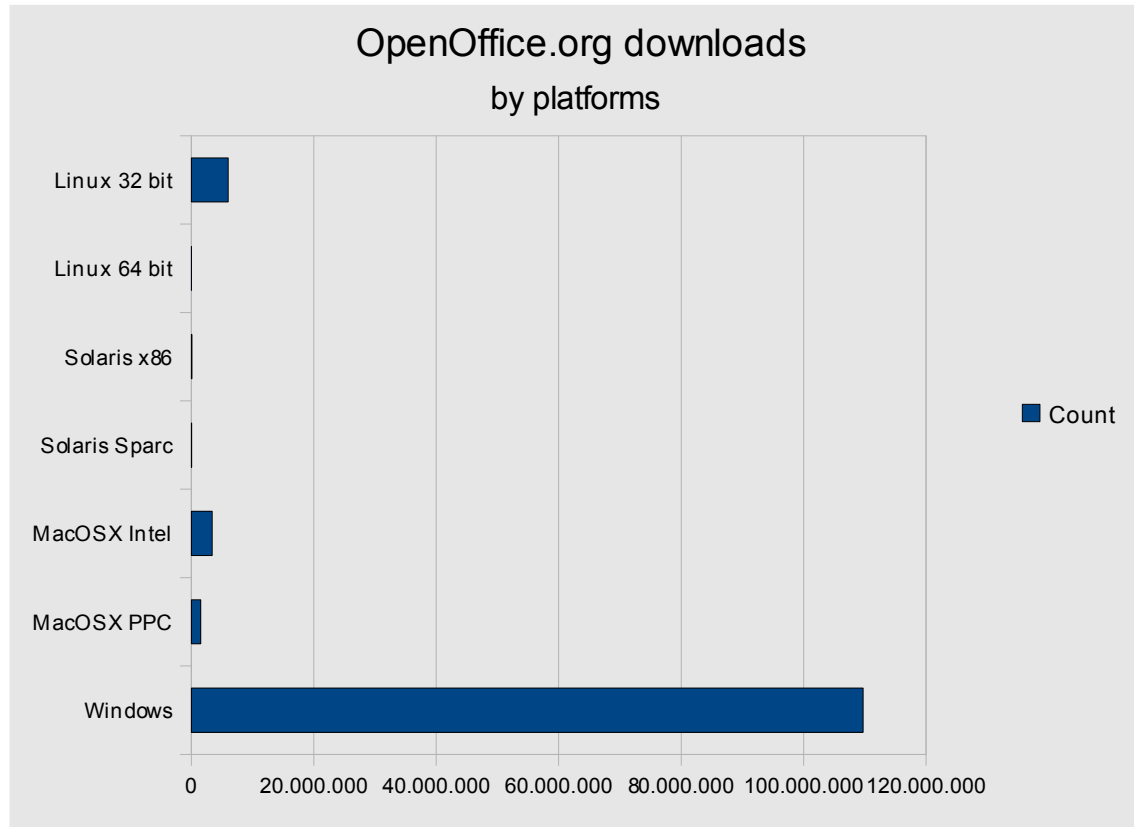
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Questions & Answers

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Thank you very much!

谢谢

謝謝

Tacka dig

شكرت أنت

Σας ευχαριστούμε

ありがとう

Grazie

Dank u

Merci



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