

Open Build Service for Administrators

Adrian Schröter

adrian@suse.com



10 Years of OBS!

- 2005 OBS project got launched within SUSE



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- 2006 Build.opensuse.org launched
Able to build add-on packages for



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10 Years of OBS!

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- 2008 openSUSE distribution packages build
 - Collaboration functionality (submit requests)
 - Architecture emulated build support
 - Appliance building support

10 Years of OBS!

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- **2009 First openSUSE distribution build**

openSUSE 11.1

10 Years of OBS!

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- 2008 openSUSE distribution packages
- 2009 openSUSE distribution media builds
- 2010 Year of optimization:
 - New webui (supports Factory submissions)
 - Project linking support
 - Lot's of work-flow features
 - Continuous Integration functionality

10 Years of OBS!

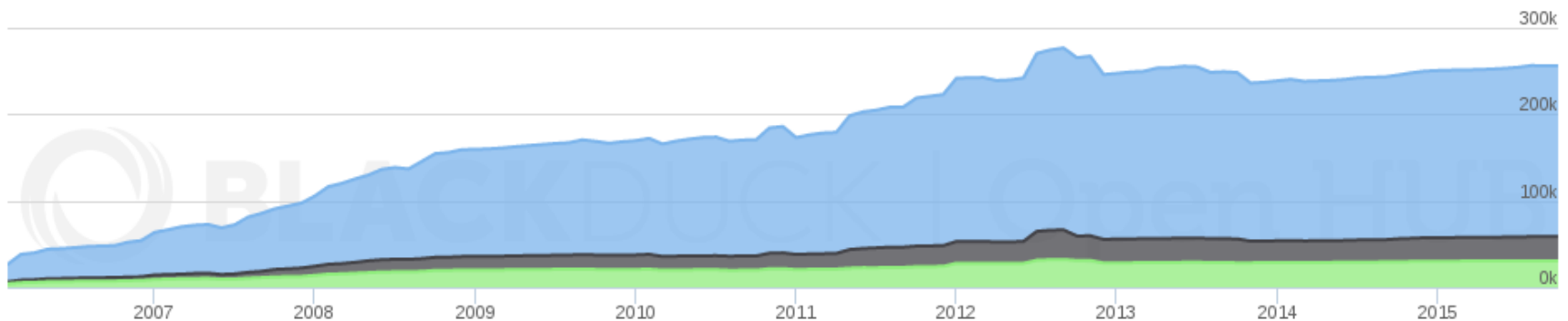
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- 2012 openSUSE Maintenance
- **2013 Year of speed improvements**

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- **2015 SLE Maintenance**

10 Years of OBS!

- Value according to COCOMO: 51 person-years
- > 200 commits per month average
- Around 20,000 commits total
- > 200 contributors



Taken from www.openhub.net

Find software which is ready to use

Resources at opensuse.org

- SUSE Linux Enterprise packages also available!
- Public for everybody
 - Great amount of packages
 - **It is your decision whom to trust!**

software.opensuse.org



mariadb

Server part of MariaDB

MariaDB is a backward compatible, drop-in replacement branch of the MySQL Database Server. It includes all major open source storage engines, including the Maria storage engine.

This package only contains the server-side programs.



openSUSE Tumbleweed

official release	5.5.29	↓	32 Bit	64 Bit	Source	1 Click Install
------------------	--------	---	--------	--------	--------	------------------------

Show unstable packages

openSUSE Leap 42.1

openSUSE 13.2

openSUSE 13.1

SUSE SLE-12

SUSE SLE-11 SP 4

SUSE SLE-11 SP 3

RedHat RHEL-7

RedHat RHEL-6

CentOS CentOS-7

CentOS CentOS-6

software.opensuse.org



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Warning hide

Please be aware that the following packages are from unofficial repositories. That means they are not reviewed by openSUSE and may contain unstable or experimental software.

Don't show this warning the next time

Continue

openSUSE Tumb

official relea

openSUSE Leap 4

openSUSE 13.2

openSUSE 13.1

SUSE SLE-12

Show unstable packages

SUSE SLE-11 SP 4

SUSE SLE-11 SP 3

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1 Click Install

software.opensuse.org



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Show unstable packages

openSUSE Leap 42.1

openSUSE 13.2

openSUSE 13.1

SUSE SLE-12

server:database	5.5.44	↓	64 Bit	Source		1 Click Install
home:nocheck	10.0.20	↓	64 Bit	Source		1 Click Install
home:plus:all	10.0.20	↓	64 Bit	64 Bit	Source	Source

SUSE SLE-11 SP 4

SUSE SLE-11 SP 3



Resources at opensuse.org

Trust via project names

- home:*
 - Can be created by everybody!

Resources at opensuse.org

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- openSUSE:*
 - Official resources behind a review process

Resources at opensuse.org

Trust via project names

- home:*
 - Can be created by everybody!
- openSUSE:*
 - Official resources behind a review process
- Others are half-official development projects
 - Project owners are likely

SUSE Package Hub

Aka openSUSE:Backports:SLE-12 Project

- + Only reviewed openSUSE Factory sources inside
- + No conflicts with official SLE packages
- + Old versions remain available
- + SLE base system stays supported!

SUSE Package Hub

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- Subset of openSUSE Factory
- No version updates

SUSE Package Hub

Aka openSUSE:Backports:SLE-12 project

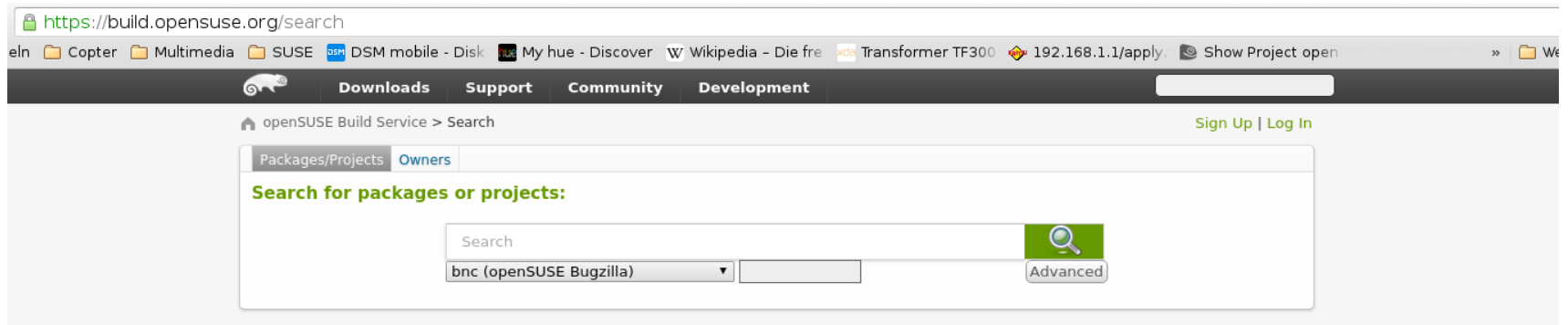
- + Only reviewed openSUSE Factory sources inside
- + No conflicts with official SLE packages
- + Old versions remain available
- + SLE base system stays supported!

- Sub-set of openSUSE Factory
- No version updates

If you find your package here, it is the best place to pick from!

What can I build?

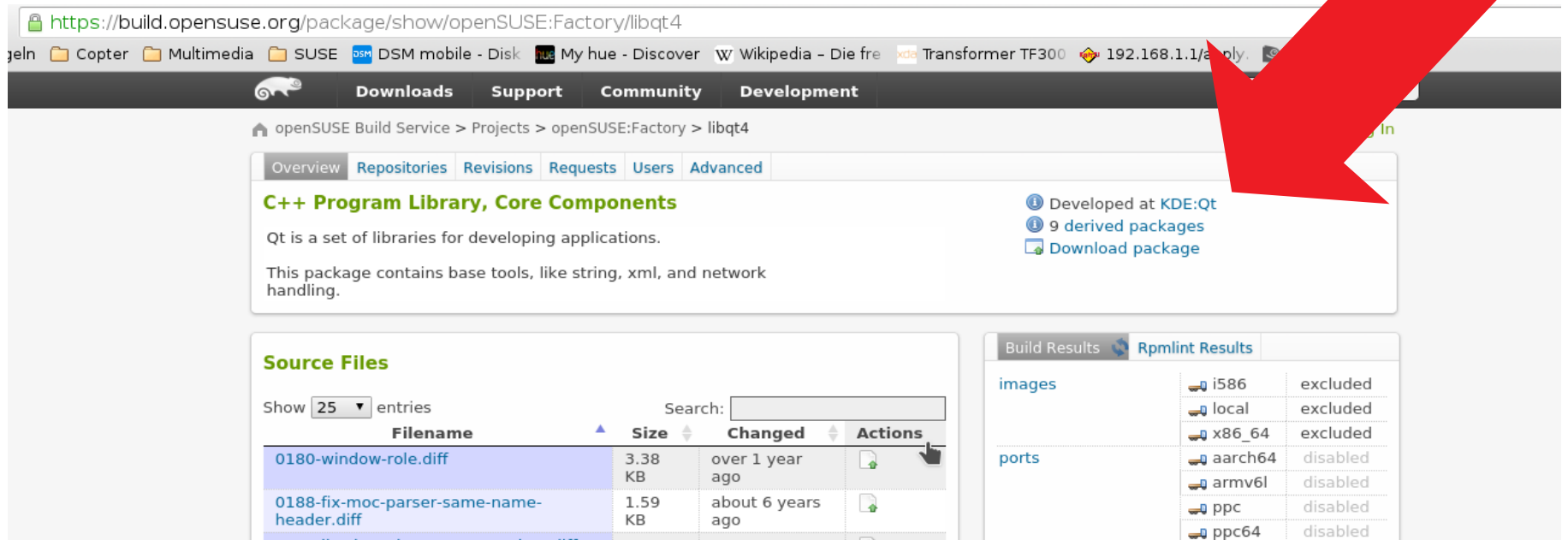
Searching the source



- Search for project and package name
- Search by bug number
- Bugzilla
- CVE

Find the latest version

- openSUSE:Factory is the latest reviewed one
- Every Factory package defines an official development area:



The screenshot shows the openSUSE Build Service interface for the `libqt4` package in the `openSUSE:Factory` repository. The page includes a navigation bar with links for Downloads, Support, Community, and Development. The main content area features a description of the package as a C++ Program Library, Core Components, and a list of source files. A large red arrow points to the 'Developed at KDE:Qt' link in the right-hand sidebar.

Overview Repositories Revisions Requests Users Advanced

C++ Program Library, Core Components

Qt is a set of libraries for developing applications.

This package contains base tools, like string, xml, and network handling.

Developed at KDE:Qt
9 derived packages
Download package

Source Files

Show 25 entries

Filename	Size	Changed	Actions
0180-window-role.diff	3.38 KB	over 1 year ago	
0188-fix-moc-parser-same-name-header.diff	1.59 KB	about 6 years ago	

Build Results Rpmlint Results

Architecture	Status
i586	excluded
local	excluded
x86_64	excluded
aarch64	disabled
armv6l	disabled
ppc	disabled
ppc64	disabled

Create your own package

Branch an existing one

osc branch openSUSE:Factory \$package



openSUSE Build Service > Projects > openSUSE:Factory > build adrianSuSE (9 tasks) | Home Project | Logout

View Repositories Revisions Requests Users Advanced

Script to Build SUSE Linux RPMs

Developed at openSUSE:Tools
22 derived packages
[Download package](#)

[Branch package](#) [Submit package](#) [Edit description](#) [Delete package](#) [Request devel project change](#)

Source Files

Show entries Search:

Filename	Size	Changed	Actions
_service	412 Bytes	about 3 years ago	
build.changes	42.8 KB	27 days ago	
build.dsc	180 Bytes	27 days ago	
build.spec	5.82 KB	27 days ago	
debian.changelog	5.73 KB	27 days ago	
obs-build-20150917.tar.gz	221 KB	27 days ago	
PKGBUILD	383 Bytes	27 days ago	

Showing 1 to 7 of 7 entries ◀ Previous Next ▶

Build Results

Architecture	Status
i586	excluded
local	excluded
x86_64	excluded
aarch64	disabled
armv6l	disabled
ppc	disabled
ppc64	disabled
i586	disabled
x86_64	disabled
i586	succeeded
x86_64	succeeded

Create your own package

- Build for new targets (eg SLE_12)

Create your own package

- Build for new targets (eg SLE_12)
- Apply a code change
 - Personal adaption
 - Bugfix
 - Version update
 - Enable or disable a feature

Create your own package

- Build for new targets (eg SLE_12)
- Apply a code change
- Submit the change back?

osc sr

Overview Repositories Revisions Requests Users Advanced

OpenSuSE - KIWI Image System

Links to SUSE:SLE-11-SP1:Update / kiwi

The OpenSuSE KIWI Image System provides a complete operating system image solution for Linux supported hardware... as well as for virtualization systems like Xen.

[Branch package](#) [Submit package](#)

Source Files (show unmerged sources)

Build Results Rpmlint Results

Outlook

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- **2016 Improved Continuous Integration support**

Improved Continuous Integration support

OBS 2.7, early next year

- External (rpm/debian) repositories can be used in projects
- Git tree mirror handling improved
- Build-time source processing

Related Sessions @SUSECon

- FUT20733: Enhancing SUSE Linux Enterprise - SUSE Package Hub
- TUT20829: Implementation of a SUSE-based Solution with SUSE Manager at Apollo-Optik
- HO19988: Introduction to Software Packaging
- HO19999: Build and Packaging with the Open Build Service

Questions ?

Thank you.





Corporate Headquarters
Maxfeldstrasse 5
90409 Nuremberg
Germany

+49 911 740 53 0 (Worldwide)
www.suse.com

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www.opensuse.org

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