

Open Build Service

Facts, Features, Future



Open Build Service

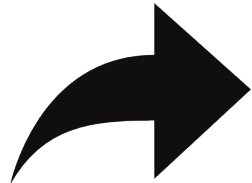
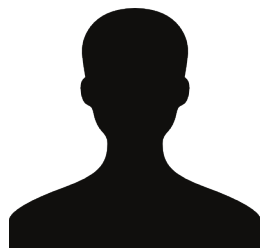
The Long and Short of it



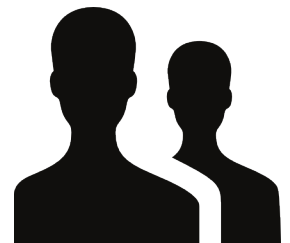
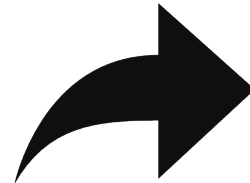


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<http://usesthis.com/images/portraits/richard.stallman.jpg>



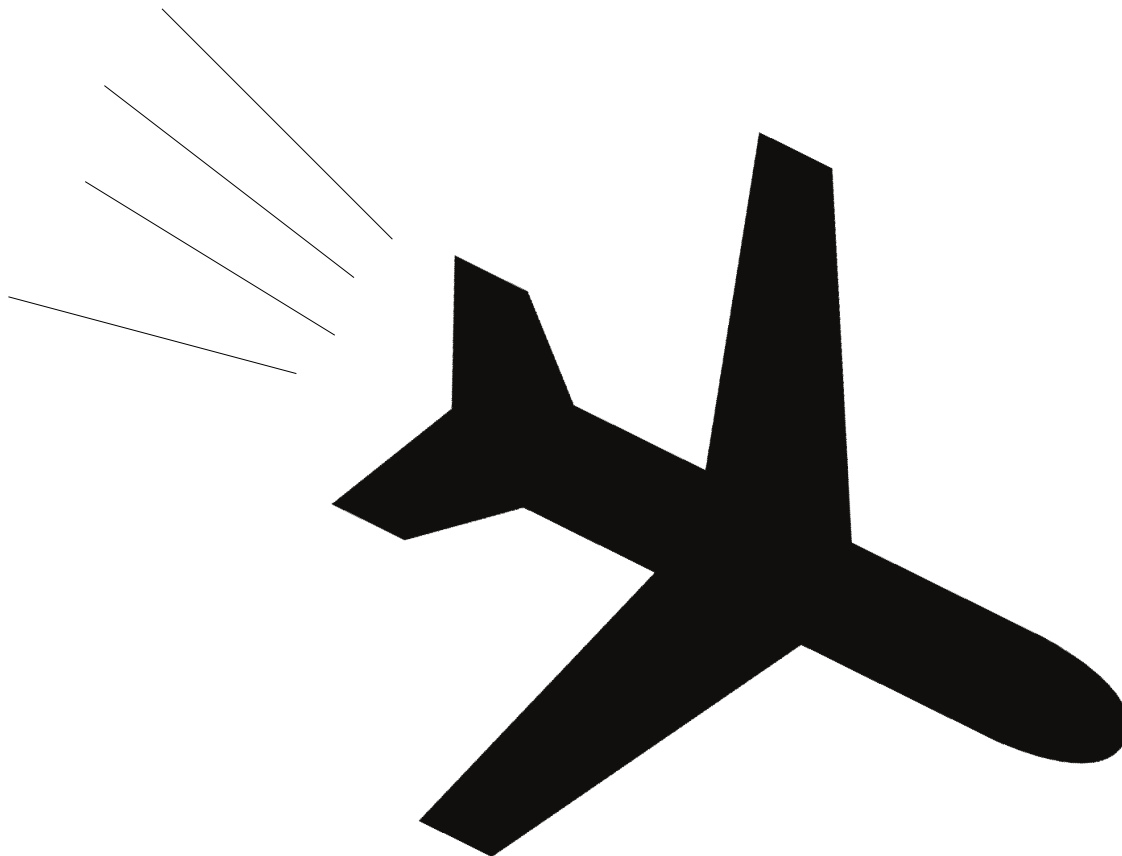


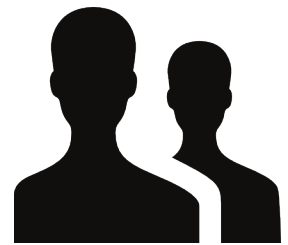
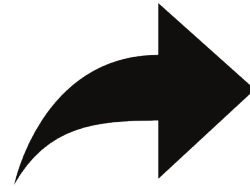
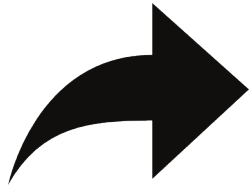
010011

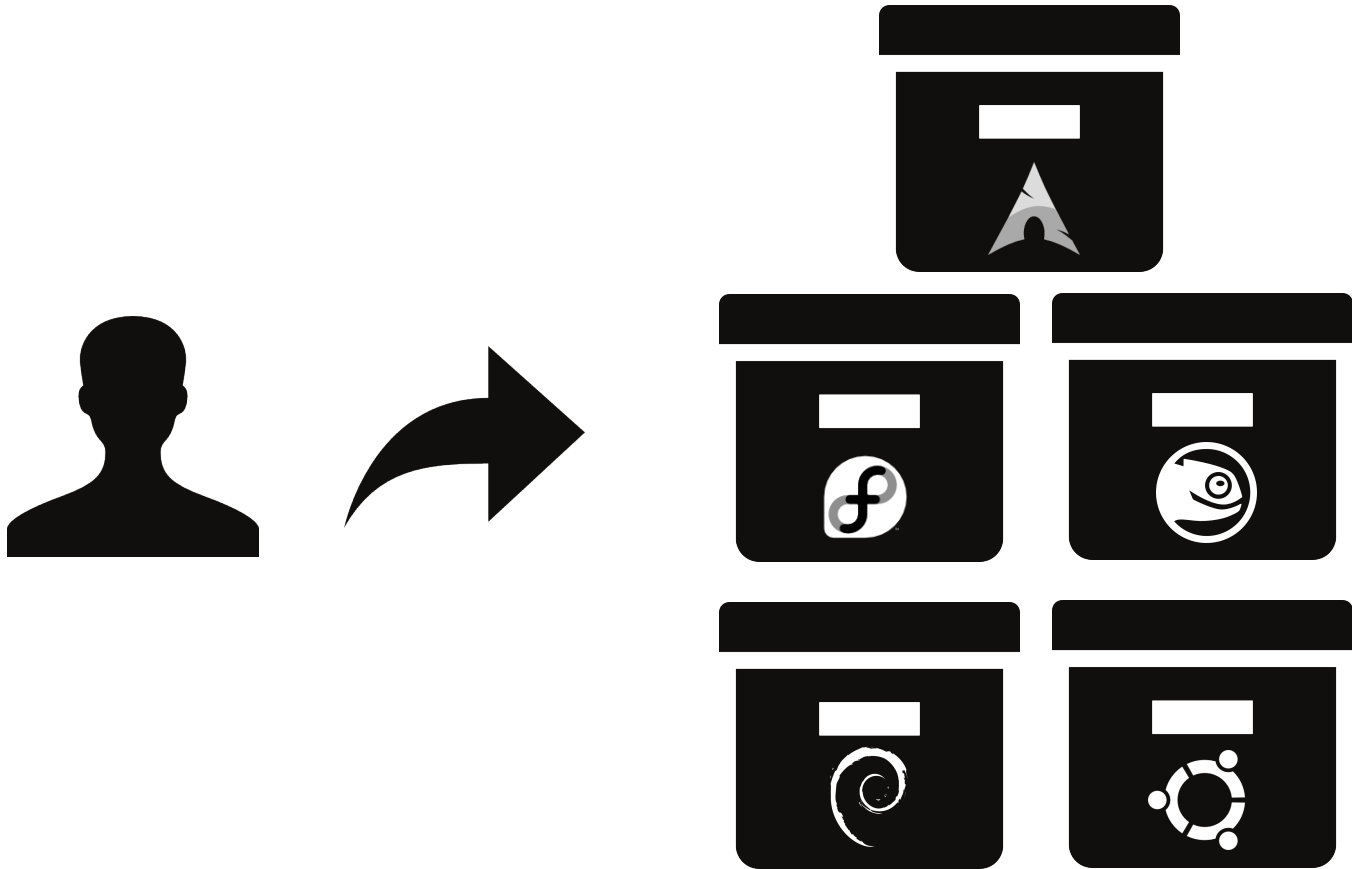




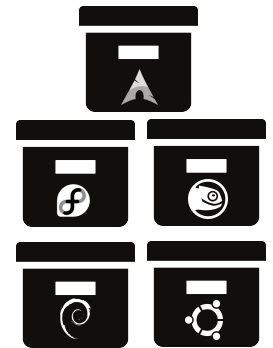
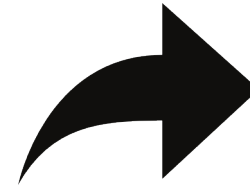
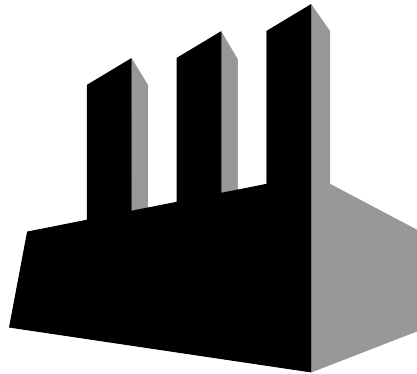
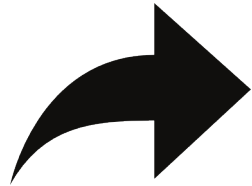
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http://en.wikipedia.org/wiki/File:Lennart_Poettering_2012.jpg







010011



Open Build Service Meat and Potatoes

Formats



Distributions



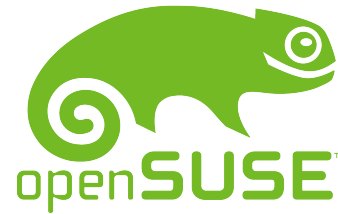
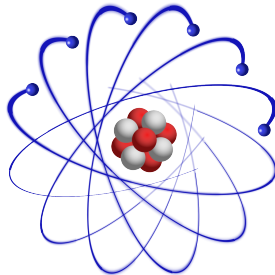
debian



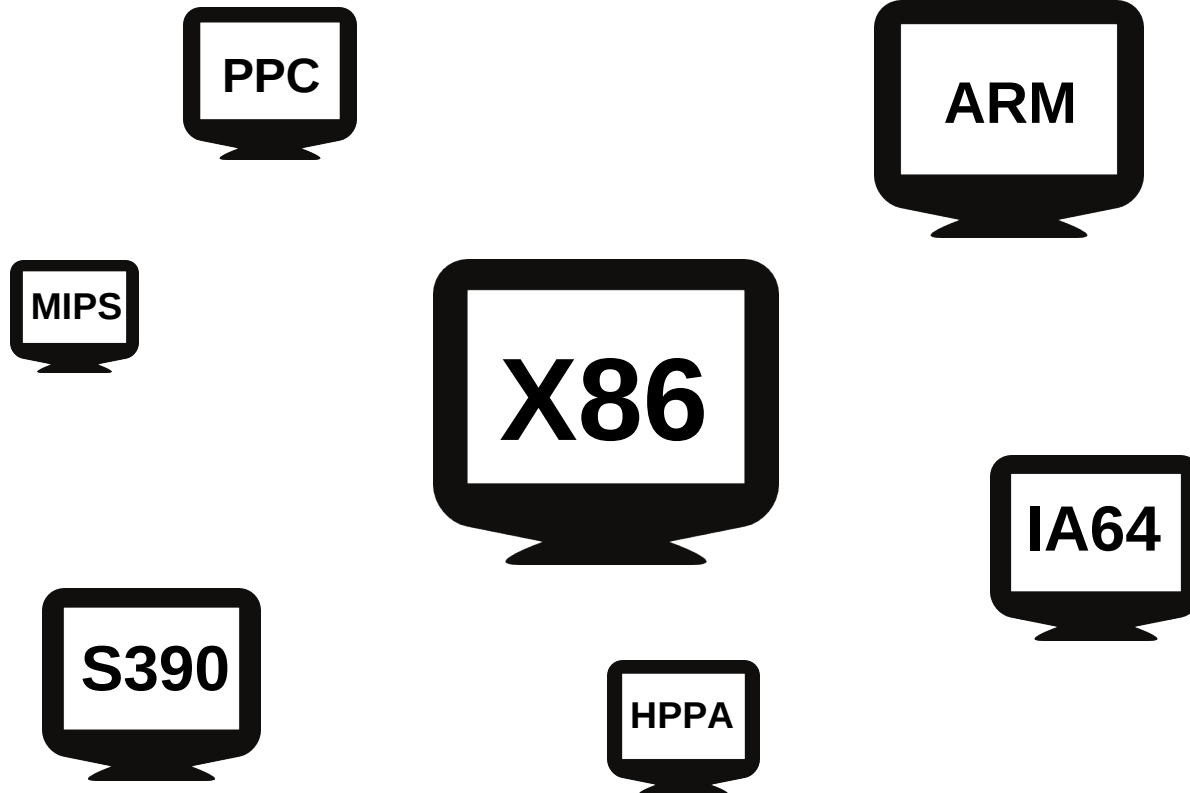
CentOS™



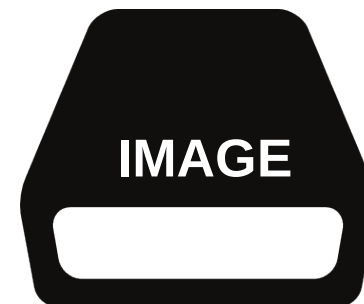
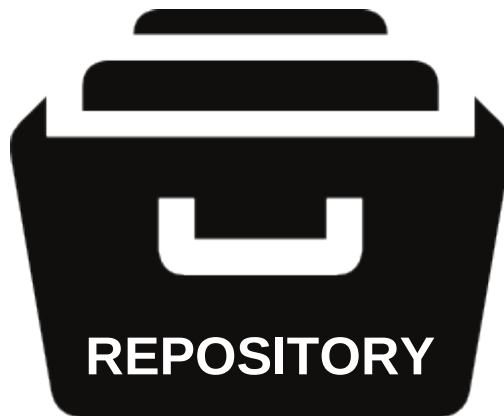
redhat®



Architectures

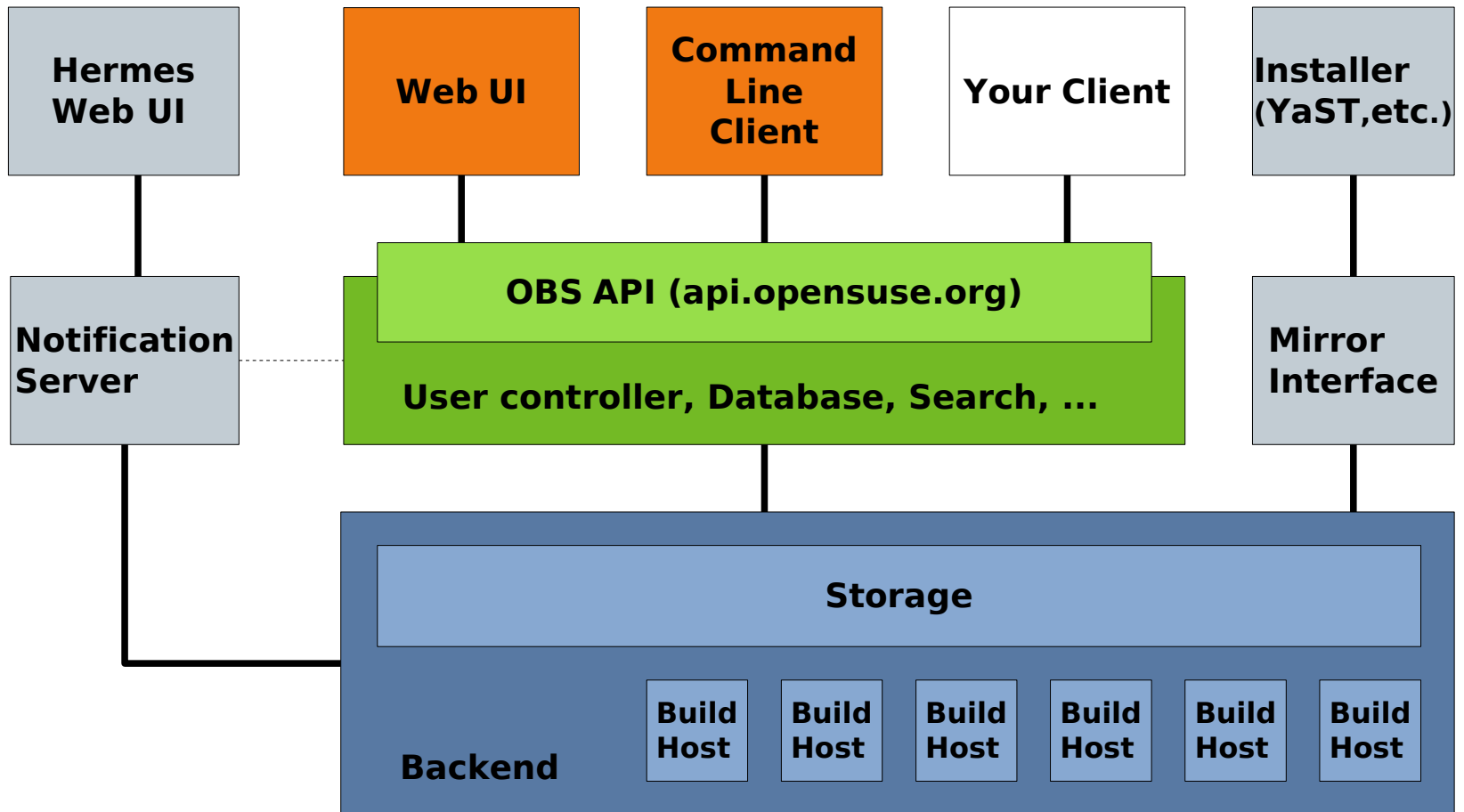


Output

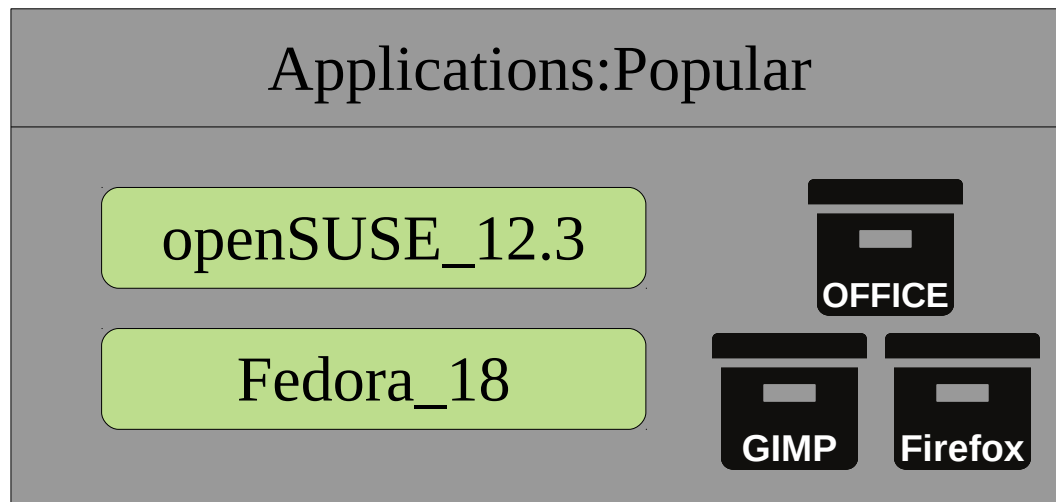


Open Build Service
Wherewith

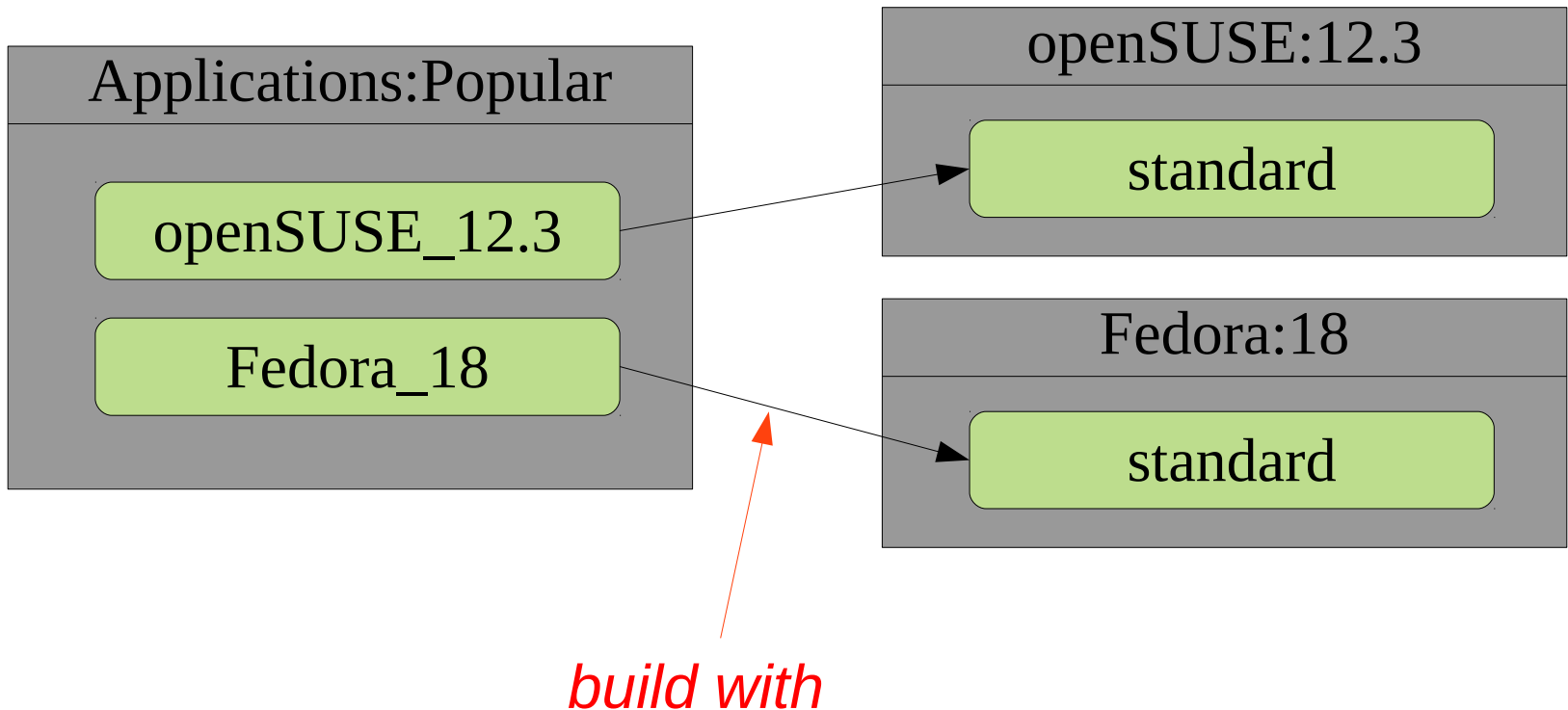
Overview



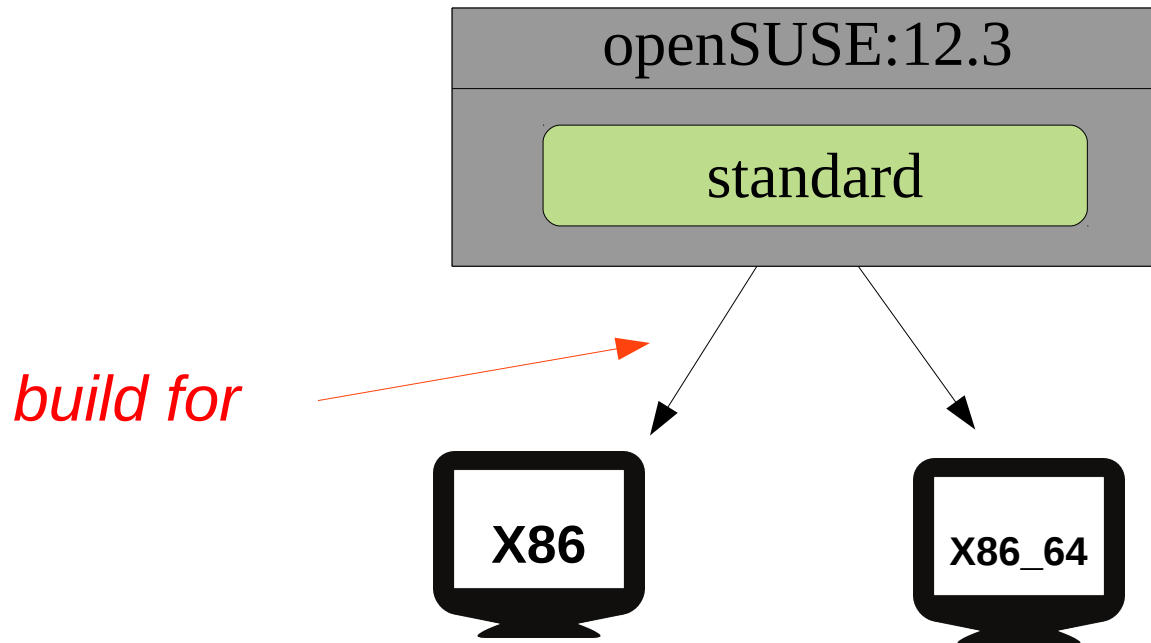
Project Model



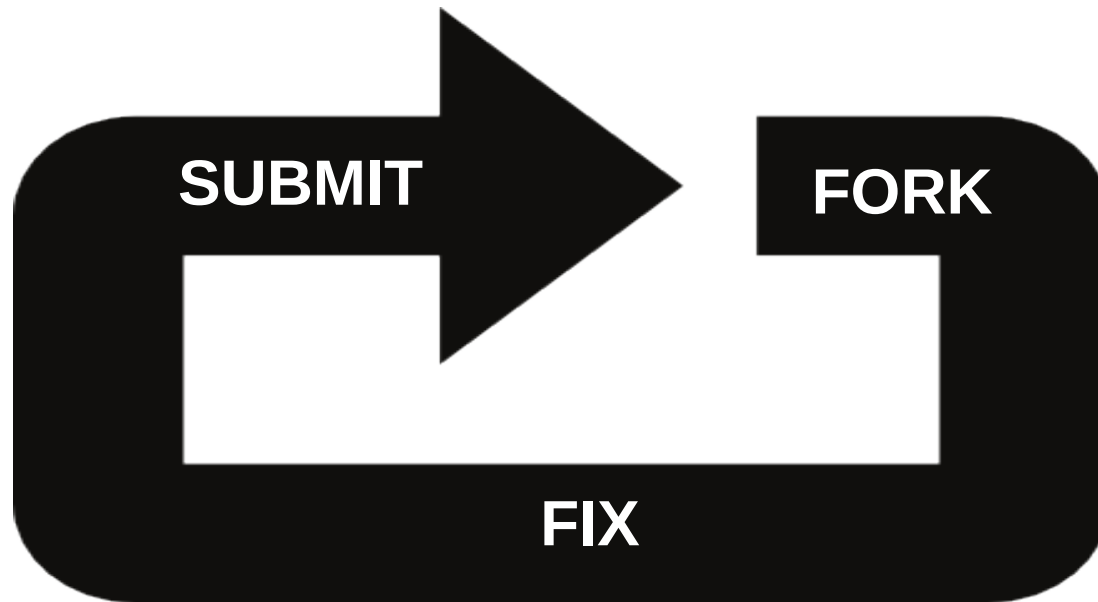
Project Model



Project Model



Collaboration



API

The screenshot shows the openSUSE Build Service web interface for the project 'parrot'. The browser address bar shows the URL: `https://build.opensuse.org/project/show?project=devel%3Alanguages%3Aparrot`. The page has a navigation bar with links: Downloads, Support, Community, Development, Watchlist, and a search bar. Below the navigation bar, the breadcrumb path is 'openSUSE Build Service > Projects > devel:languages:parrot'. The user 'mlschroe' is logged in, with links for 'Home Project' and 'Logout'. The main content area has tabs: Overview, Packages, Repositories, Monitor, Requests, Users, Subprojects, and Advanced. The 'Overview' tab is active, showing 'Parrot related packages' with a description: 'This project contains packages related to the parrot project (www.parrot.org)'. It also shows 'Information' with '4 packages' and '1 build error'. Below this is a 'My Actions' section with links: Report bug, Create package, Create subproject, Edit description, and Delete project. On the right, the 'Build Results' section shows a table of build results for three projects: Fedora_15, openSUSE_11.4, and openSUSE_Factory. Each project has two rows for different architectures (i586 and x86_64) with status counts for succeeded, disabled, failed, and errored. At the bottom right, there is a 'Sponsor' section with the AMD logo and the text 'Smarter Choice'.

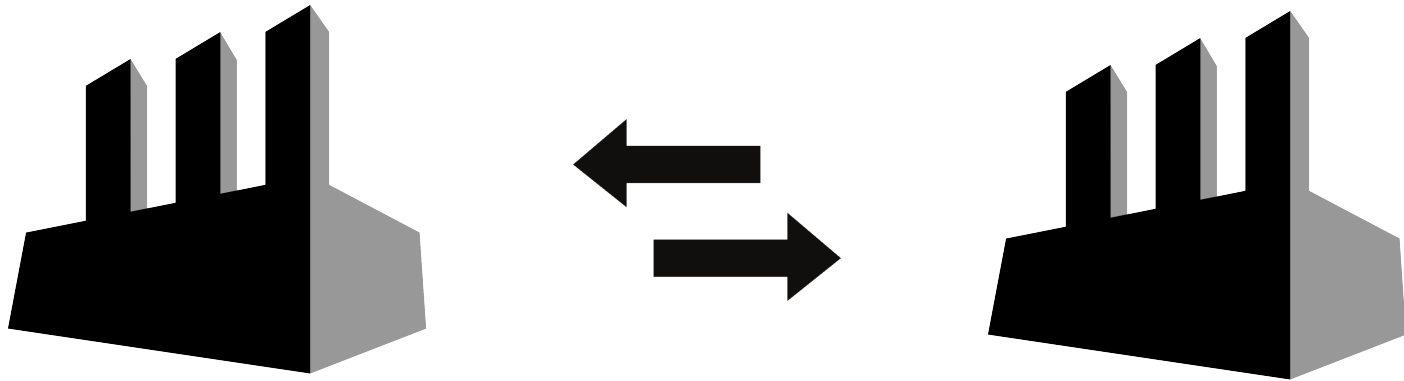
Project	Architecture	succeeded	disabled	failed	errored
Fedora_15	i586	3	1	0	0
	x86_64	3	1	0	0
openSUSE_11.4	i586	3	1	0	0
	x86_64	3	1	0	0
openSUSE_Factory	i586	2	1	1	0
	x86_64	3	1	0	0

```
rudin <32>
544 (rudin:devel:languages:parrot)> ls
nqp parrot rakudo
545 (rudin:devel:languages:parrot)> osc results
525 (rudin:devel:languages:parrot)> osc r
nqp
| parrot
| | post-build-checks
| | | rakudo
. . . Fedora_15 i586 (published)
. . . Fedora_15 x86_64 (published)
. . . openSUSE_11.4 i586 (published)
. . . openSUSE_11.4 x86_64 (published)
F . . openSUSE_Factory i586 (published)
. . . openSUSE_Factory x86_64 (published)

Legend:
disabled
. succeeded
F failed
546 (rudin:devel:languages:parrot)>
```



Interconnect



Open Source

The screenshot shows the GitHub interface for the `openSUSE / open-build-service` repository. At the top is the GitHub navigation bar with the logo, a search bar, and links for Explore, Gist, Blog, and Help. The user profile for `hennevogel` is visible on the right. Below the navigation bar, the repository name `openSUSE / open-build-service` is displayed, along with icons for Pull Request, Unwatch, Unstar, and statistics for 73 stars and 50 forks. A tabbed interface shows `Code` as the active tab, with other tabs for Network, Pull Requests (0), Issues (1), Wiki, Graphs, and Admin. The description of the repository is: "A generic system to build and distribute packages from sources in an automatic, consistent and reproducible way. Release your software for a wide range of operating systems and hardware architectures." followed by the URL <http://openbuildservice.org/>. Below the description are buttons for ZIP, HTTP, SSH, and Git Read-Only, along with the repository URL `https://github.com/opensuse/open-build-service.` and a `Read+Write access` button. At the bottom, there is a branch selector set to `master`, and tabs for Files, Commits, and Branches (9). On the right, there are links for Tags (54) and Downloads. The repository name `open-build-service` is repeated at the bottom, followed by a link to `1000+ commits`.

github

Search or Type a Command

Explore Gist Blog Help

hennevogel

PUBLIC openSUSE / open-build-service

Pull Request Unwatch Unstar 73 Fork 50

Code Network Pull Requests 0 Issues 1 Wiki Graphs Admin

A generic system to build and distribute packages from sources in an automatic, consistent and reproducible way. Release your software for a wide range of operating systems and hardware architectures.
<http://openbuildservice.org/>

ZIP HTTP SSH Git Read-Only `https://github.com/opensuse/open-build-service.` Read+Write access

branch: master Files Commits Branches 9 Tags 54 Downloads

open-build-service / 1000+ commits

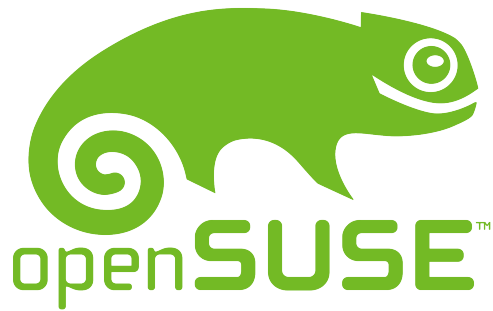


Open Build Service
Who is using it?

Reference Server



Users

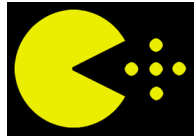


Users

- Distribution development, Maintenance Updates



- Open Source Communities



- Add-Ons: Driver Developer and ISVs

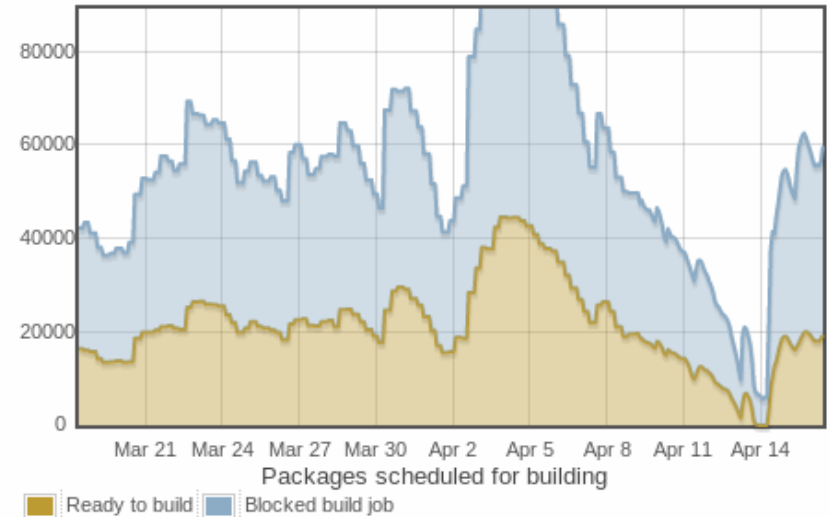


- Researchers/Universities
- Administration Teams



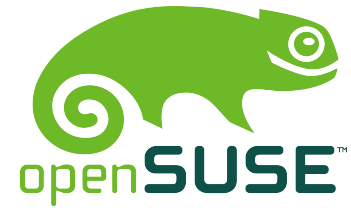
Numbers (from build.opensuse.org)

- Confirmed Users: >35.000
- Packages: >205.000
- Projects: >2.500
- Package builds per day: > 51000
 - Build farm: ~40 hosts,
~250 workers
- Storage:
 - Sources: 3.3 TBytes
 - Binaries: 6.9 TBytes



Support

- Community
 - `opensuse-buildservice@opensuse.org`
 - Irc: `#opensuse-buildservice` on freenode
- Professional
 - <http://www.open-build-service.org/contact/>
 - B1 Systems (L3 backing by SUSE)



Open Build Service Features

Where is it going?

Future

- 2.4 Release (mid of 2013)
 - Build Capabilities
 - Transparent Cross Compiling (by B1-Systems)
 - Reworked User Management
- 2.5 Release (end of 2013)
 - Product Tracking
- 3.0 Release (???)
 - On site support
 - Merged API/Web-UI
 - More package formats, other operating systems



Learn more about the
Open Build Service
www.openbuildservice.org

Thank you.

