

Экосистема SUSE® Linux

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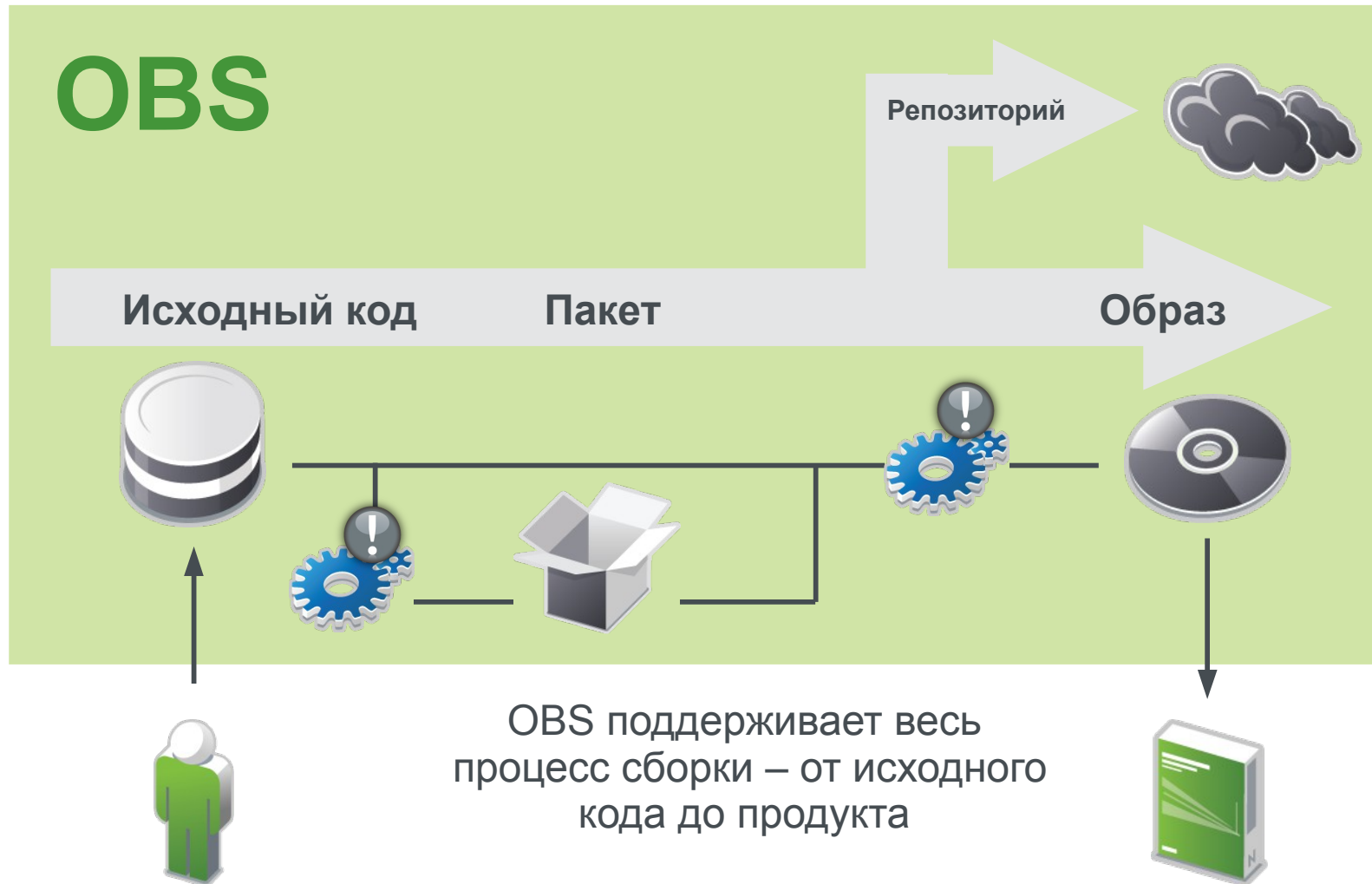


История

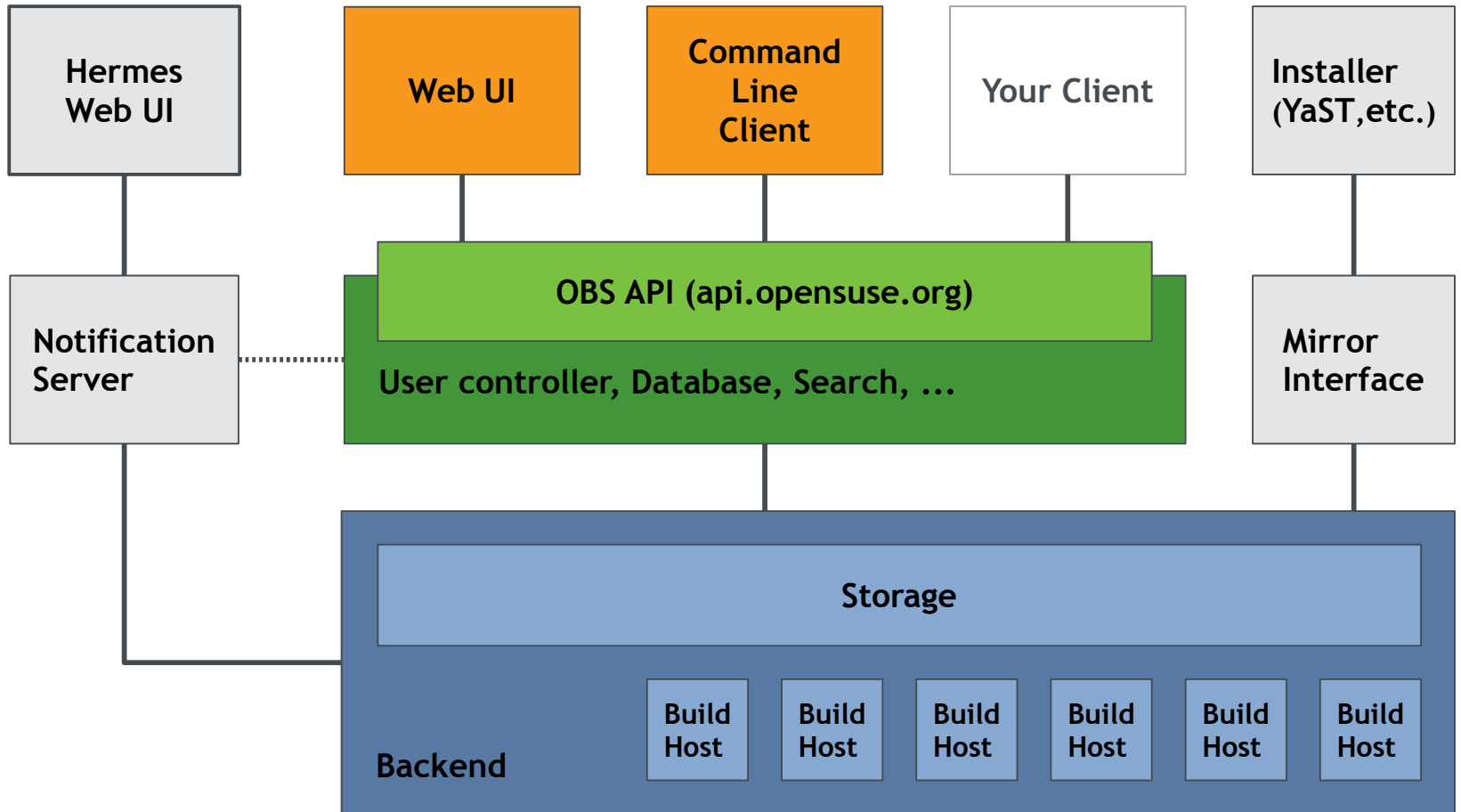
- 2 сентября 1992 - в Нюрнберге основана компания Gesellschaft für Software und System Entwicklung mbH
- 29 марта 1994 – вышел S.u.S.E Linux 3/94 на базе Slackware
- Май 1996 – S.u.S.E Linux 4.2 с YaST 0.42
- 31 октября 2000 – SLES для IBM S/390
- Январь 2004 – Novell покупает SUSE Linux AG
- 4 августа 2005 – объявление о старте проекта openSUSE
- 22 февраля 2006 – объявление о Open Build Service
- 21 ~~2007~~ 2007 Open Build Service 0.5
- Ноябрь 2008 – старт проекта SUSE Studio
- Март 2011 – SUSE Manager 1.0
- 27 апреля 2011 – Attachmate Group покупает Novell
- Август 2012 – SUSE Cloud 1.0

Open Build Service и SUSE Studio

Что такое Open Build Service (OBS)?



Компоненты сервера OBS



Web-интерфейс OBS

The screenshot displays the OBS web interface for the package `python-titlecase` in the `home:hennevogel` project. The browser address bar shows the URL `https://build.opensuse.org/package/show?package=python-titlecase&project=home%3Ahennevogel`. The navigation menu includes `Downloads`, `Support`, `Community`, `Development`, `Watchlist`, and a search bar. The breadcrumb trail is `openSUSE Build Service > Projects > home:hennevogel > Packages > python-titlecase`. The page features several tabs: `Overview` (selected), `Sources`, `Repositories`, `Revisions`, `Requests`, `Users`, and `Advanced`. The `Information` section shows `3 files` and `2 errors`. The `Build Results` and `Rpmlint Results` sections show build failures for `openSUSE_12.2` on `i586` and `x86_64` architectures. The `My Actions` section includes `Branch package`, `Submit package`, `Edit description`, and `Delete package`. The footer contains user information for `hennevogel`, navigation links for `Locations` and `Help`, and the `B SYSTEMS` logo. A footer note states: `Open Build Service (OBS) is an openSUSE project.`

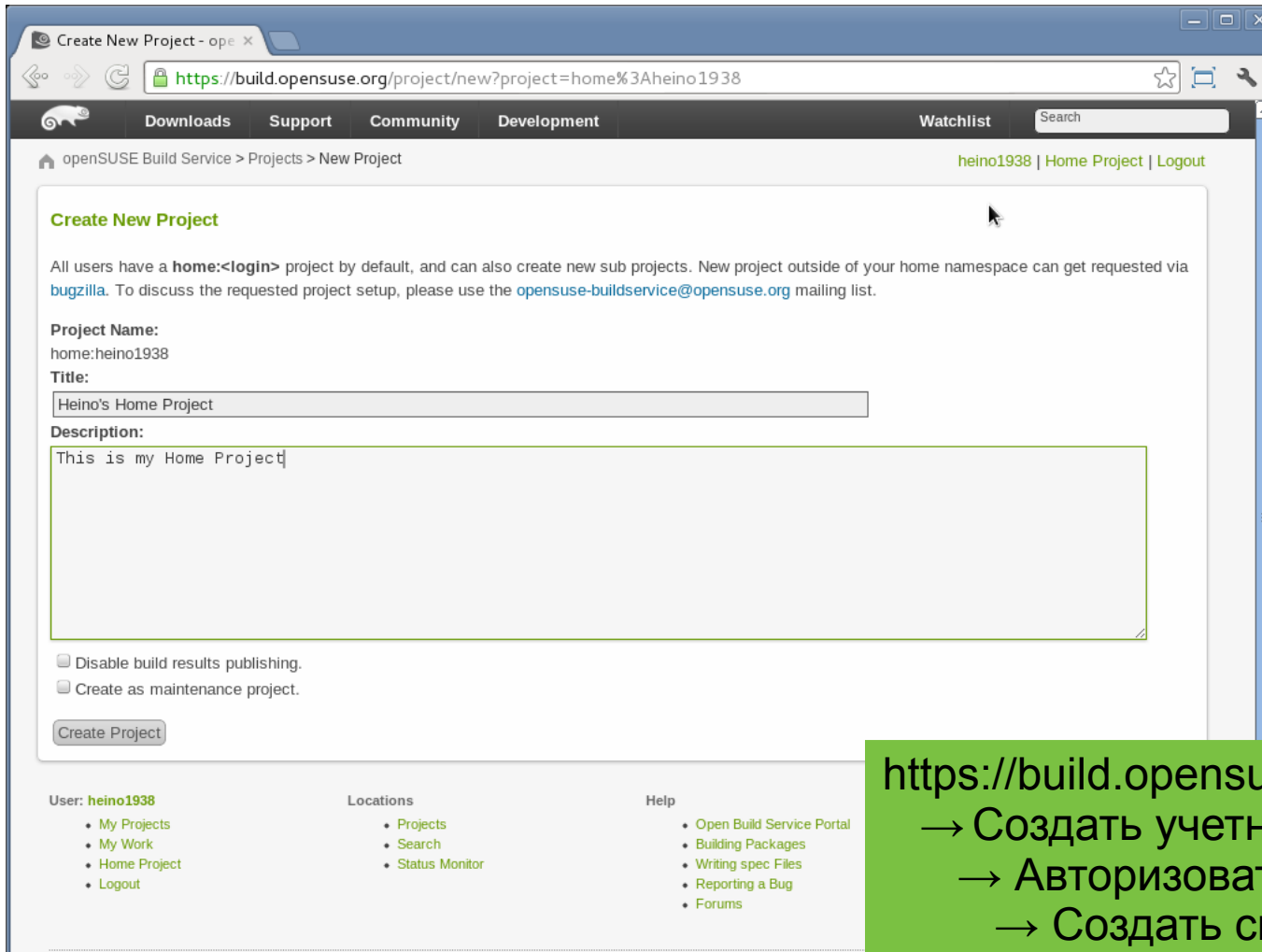
https://build.opensuse.org/package/files?package=python-titlecase&project=home%3Ahennevogel

Интерфейс командной строки: osc

```
hvogel@g124: ~/Development/Packaging/obs/home:hennevogel/python-titlecase
hvogel@g124 $ ls
python-titlecase-ez_setp_remove.patch  python-titlecase.spec  titlecase-0.5.1.tar.gz
hvogel@g124 $ osc build openSUSE_12.2
Building python-titlecase.spec for openSUSE_12.2/i586
Getting buildinfo from server and store to /home/hvogel/Development/Packaging/obs/home:hennevogel/python-titlecase/.osc/_buildinfo-openSUSE_12.2-i586.xml
Getting buildconfig from server and store to /home/hvogel/Development/Packaging/obs/home:hennevogel/python-titlecase/.osc/_buildconfig-openSUSE_12.2-i586
Updating cache of required packages
0.0% cache miss. 113/113 dependencies cached.

Skipping verification of package signatures
Writing build configuration
Running build
logging output to /home/hvogel/.tmp/osc/openSUSE_12.2-i586/.build.log...
[ 0s] Memory limit set to 6719176KB
█
```

С чего начать?



https://build.opensuse.org/project/new?project=home%3Aheino1938

Downloads Support Community Development Watchlist Search

opensUSE Build Service > Projects > New Project heino1938 | Home Project | Logout

Create New Project

All users have a **home:<login>** project by default, and can also create new sub projects. New project outside of your home namespace can get requested via [bugzilla](#). To discuss the requested project setup, please use the opensuse-buildservice@opensuse.org mailing list.

Project Name:
home:heino1938

Title:
Heino's Home Project

Description:
This is my Home Project

Disable build results publishing.
 Create as maintenance project.

Create Project

User: **heino1938**

- My Projects
- My Work
- Home Project
- Logout

Locations

- Projects
- Search
- Status Monitor

Help

- Open Build Service Portal
- Building Packages
- Writing spec Files
- Reporting a Bug
- Forums

https://build.opensuse.org
→ Создать учетную запись
→ Авторизоваться
→ Создать свой проект

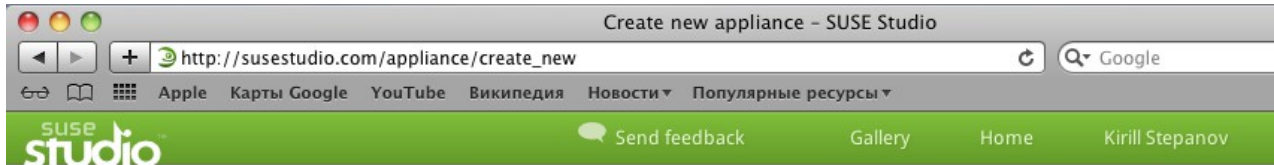
SUSE Studio и SUSE Gallery

The screenshot shows the SUSE Studio website in a browser window. The browser's address bar displays `http://susestudio.com/home`. The website's header features the SUSE Studio logo, a navigation menu with links for "Send feedback", "Gallery", "Home", "Kirill Stepanov", "Help", and "Sign out", and a user profile for "Kirill Stepanov" with links to "Edit account" and "View public page".

The main content area is divided into two columns. The left column contains an "Actions" section with links for "Create new appliance..." and "Manage EC2...", followed by a "Your appliances" section. Under "Your appliances", there are three entries: "openSUSE 12.1", "Kirill's JeOS" (64-bit x86, edited Monday, 13 February 2012), and "SLES for VMware" (1 build, 180 MB, 64-bit x86, edited Thursday, 01 March 2012). Below these are "SUSE Linux Enterprise 11 SP1" and "JeOS SLES11SP1" (1 build, 113 MB).

The right column features a "From the blog" section with two entries: "Client-side JS MV* Framework Roundup" and "openSUSE back on Azure". Below this is a "SUSE gallery" section with the text "See what others have made in the Gallery!" and "It's easy to download appliances others have shared in Gallery. You can even clone from shared appliances!". At the bottom of the right column is a "Get involved!" section with the text "Participate in the forum, Send feedback, or communicate with us using 'social media'." and social media icons for Twitter and Facebook.

SUSE Studio



Choose a base template

openSUSE 12.3

-  **Just enough OS (JeOS)**
Tiny, minimalistic appliances
-  **Server**
A text-only base
-  **GNOME desktop**
Base system + GNOME
-  **KDE 4 desktop**
Base system + KDE 4

SUSE Linux Enterprise 11 SP2

-  **Just enough OS (JeOS)**
Minimal SLES 11 SP2
-  **Server**
SLES 11 SP2
-  **GNOME desktop**
SLED 11 SP2, with GNOME
-  **KDE 4 desktop**
SLED 11 SP2, with KDE 4
-  **SLES for VMware**
SLES 11 SP2, VMware branded

SUSE Linux Enterprise 10 SP4

-  **Server**
SLES 10 SP4
-  **GNOME desktop**
SLED 10 SP4, with GNOME
-  **KDE 3 desktop**
SLED 10 SP4, with KDE

Select your architecture

SUSE Studio

The screenshot shows a web browser window titled "Kirill's GNOME desktop - SUSE Studio". The address bar contains the URL `http://susestudio.com/appliance/edit/920739#/build`. The browser's search bar shows "Google". Below the browser, the SUSE Studio interface is visible. It features a green header with the SUSE Studio logo and navigation links: "Send feedback", "Gallery", "Home", "Kirill Stepanov", and "Help". The main content area displays the appliance name "Kirill's GNOME desktop" with a small icon, its architecture "64-bit x86, based on openSUSE 12.3", and download information "400 MB download, 1.5 GB uncompressed". A navigation bar below this includes "Start", "Software", "Configuration", "Files", and "Build" (which is highlighted). On the left, a sidebar titled "Software information" shows "3 patterns selected", "31 packages selected", and "696 total packages". The main content area has a "Version" field set to "0.0.1", a "Default format" dropdown menu set to "USB stick / hard disk image", and a green "Build" button with a gear icon. Below these are "Additional formats" with checkboxes for: Live CD/DVD (.iso), Xen guest, OVF virtual machine, Hyper-V (.vhd), Preload ISO (.iso), VMware / VirtualBox (.vmdk), and SUSE Cloud / OpenStack / KVM. A link "Read more about formats..." is also present. At the bottom, there is a "Configuration..." link and a note: "Export your appliance's Kiwi configuration, for building your appliance locally. (For advanced users only)".

SUSE Gallery

The screenshot shows the SUSE Studio Gallery website. At the top, there is a browser window with the address bar showing `http://susestudio.com/browse` and a search bar with the Google logo. The website header includes the SUSE Studio logo, navigation links for "Send feedback", "Gallery", "Studio", "Kirill Stepanov", "Help", and "Sign out". A large banner features the SUSE Studio mascot and a search bar. Below the banner, there are tabs for "Popular", "Newest", "Staff picks", "Most Cloned", "Highest Rated", and "Partners". A featured appliance, "openSUSE 12.3 for Windows Azure" by Alexander Ostho, is highlighted in a white box. The main content area displays a grid of appliance listings, each with an icon, title, and creator name. The listings include: "ownCloud in a box" by Cornelius Schumacher, "KDE 4 Reloaded" by André Duffeck, "LAMP Server (32bit)" by James Tan, "miniSUSE" by hgj, "GNOME Reloaded" by André Duffeck, "Cr OS Linux" by Chrome Linux, "Android Developer's Deskto..." by prizm, "Smeegol" by Andrew Wafaa, "LM-OS" by Lokesh Reddy M, "Upstream OS 8" by Nick, "GNOME 3.0" by Frederic Crozat, "GoogleChrome OS X" by jh12, "BrowserBox" by Jacob Rask, "Excellent Samba4 Appliance" by Masim Vavai Sugianto, and "Compose" by WisePC (Orb). A "View all popular..." link is also present. At the bottom, there is a section titled "Run your own SUSE Studio" with a green toolbox icon and a "Create new appliance..." button. The footer contains links for "Help", "Forum", "Send feedback", "Logos & badges", and "Jobs", along with copyright information for 2013 Novell Inc. and social media icons for Twitter, Google+, Facebook, and Email.

Browse published appliances - SUSE Gallery

http://susestudio.com/browse

Send feedback Gallery Studio Kirill Stepanov Help Sign out

openSUSE 12.3 for Windows Azure
by Alexander Ostho

Popular Newest Staff picks Most Cloned Highest Rated Partners

ownCloud in a box
by Cornelius Schumacher

KDE 4 Reloaded
by André Duffeck

LAMP Server (32bit)
by James Tan

miniSUSE
by hgj

GNOME Reloaded
by André Duffeck

Cr OS Linux
by Chrome Linux

Android Developer's Deskto...
by prizm

Smeegol
by Andrew Wafaa

LM-OS
by Lokesh Reddy M

Upstream OS 8
by Nick

GNOME 3.0
by Frederic Crozat

GoogleChrome OS X
by jh12

BrowserBox
by Jacob Rask

Excellent Samba4 Appliance
by Masim Vavai Sugianto

Compose
by WisePC (Orb)

View all popular...

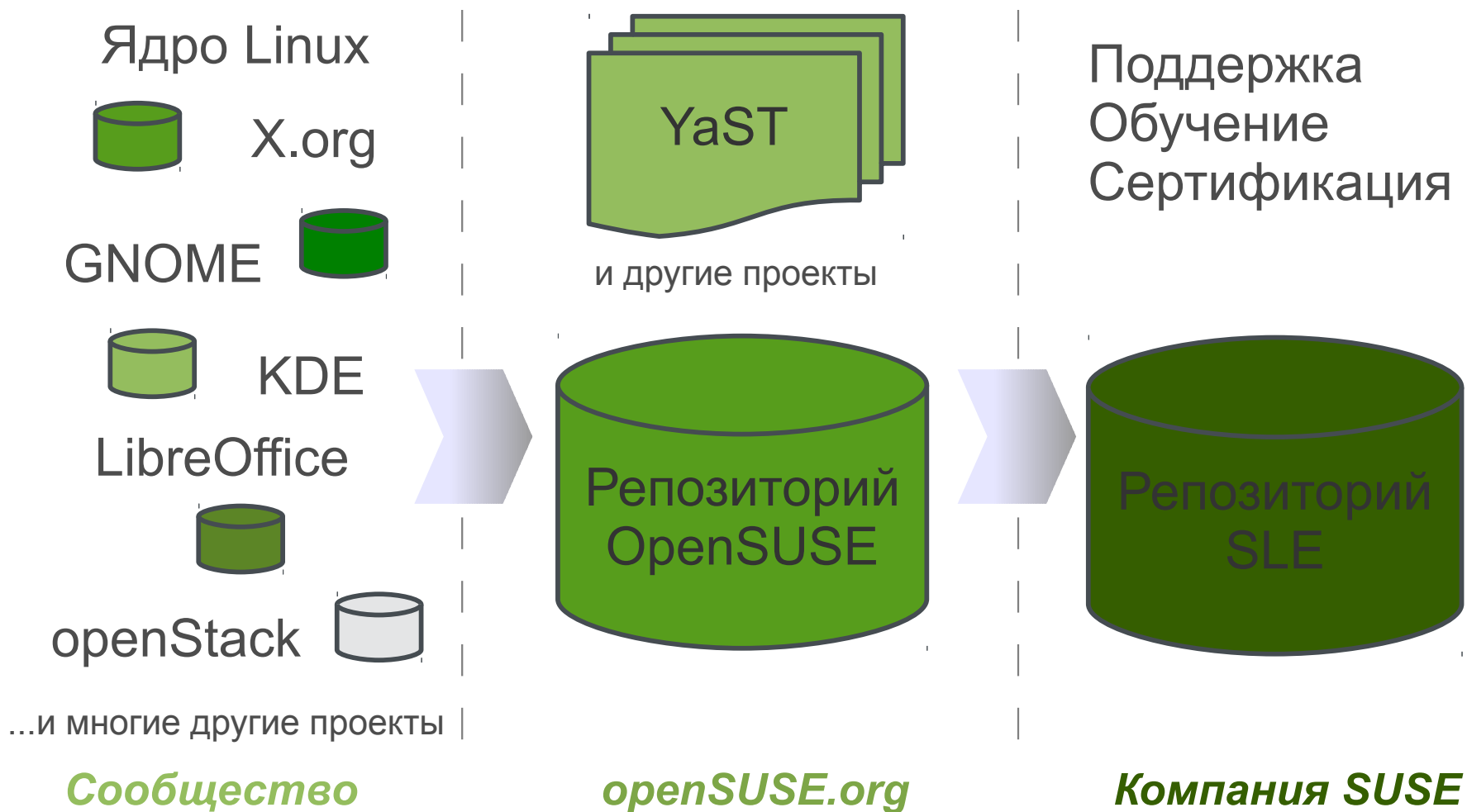
Run your own SUSE Studio
Take control of appliance building! Check out SUSE Studio for onsite installation.

suse studio™
Create new appliance...

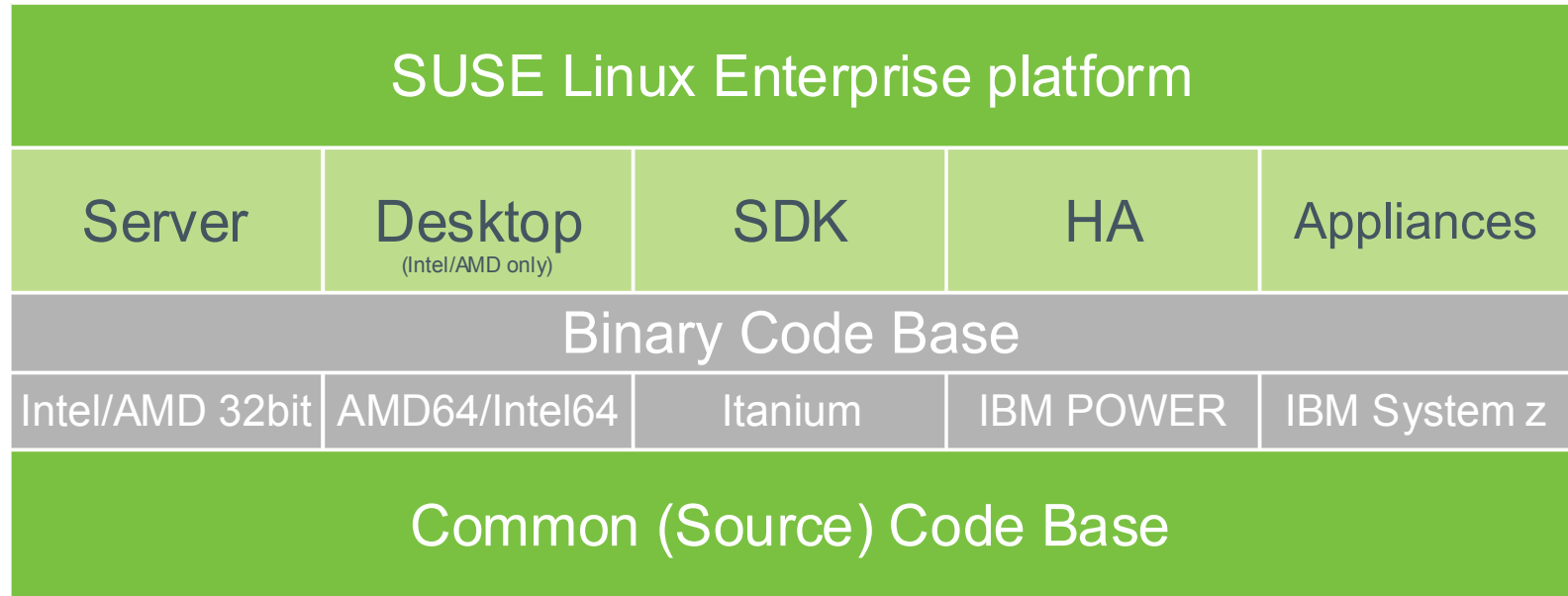
Help | Forum | Send feedback | Logos & badges | Jobs
© 2013 Novell Inc. Legal Privacy

openSUSE и SUSE Linux Enterprise

Процесс разработки SUSE Linux



Общая база кодов

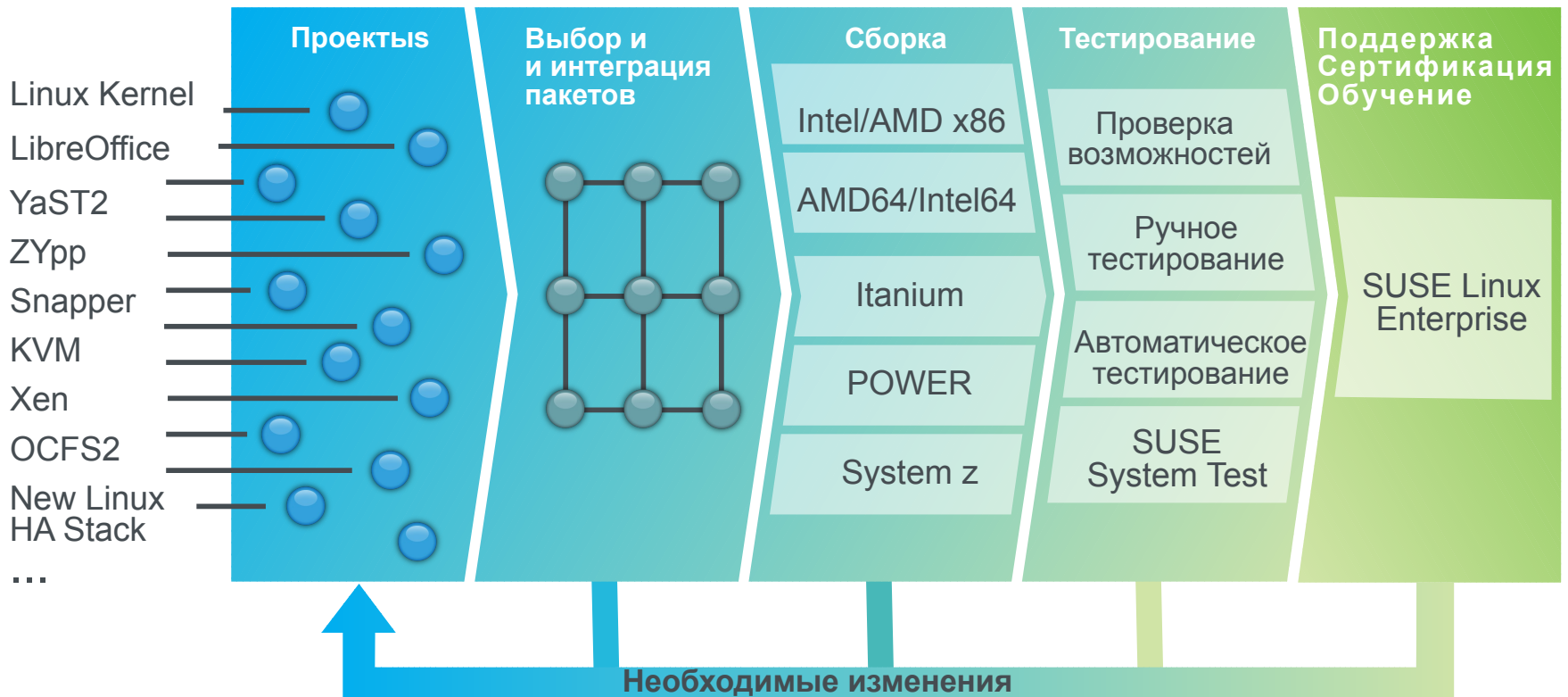


- Базируется на общем репозитории и системе сборки
- Основа всех продуктов SUSE
- Сборки для x86, x86-64, Itanium, IBM POWER и System z

Процесс разработки

Сообщество разработчиков

Инфраструктура компании



Сборка осуществляется с помощью SUSE Build Service - Open. Build Service, используемого внутри компании

Экосистема SUSE: взаимодействие с индустрией ПО

Участие в проектах FOSS

Ядро Linux

- Около 5% изменений (3 место) при разработке ядра 3.0

LibreOffice

- До 30% изменений при разработке версии 4.0

openStack

Heartbeat (Linux-HA)

GNOME

KDE

Spacewalk

XEN

KVM

См. <https://www.suse.com/company/open-source/>

Технологическое партнерство

Microsoft

- Взаимная поддержка средств виртуализации
- Улучшение совместимости форматов документов
- Интеграция систем управления
- *Подробнее на <https://www.moreinterop.com/>*

SAP

- Совместная программа поддержки
- SLES сертифицирован как Reference OS platform for SAP's software development и используется как SAP Appliance Platform

VMware

- Поддержка SLES входит в стоимость лицензии vSphere 5.1
- Компоненты vSphere 5.1 (vCenter Appliance, vMA и др.) собираются с помощью SUSE Studio

<http://openbuildservice.org>
<http://opensuse.org>
<http://susestudio.com>
<http://www.suse.com/products/>

Спасибо за внимание!





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