

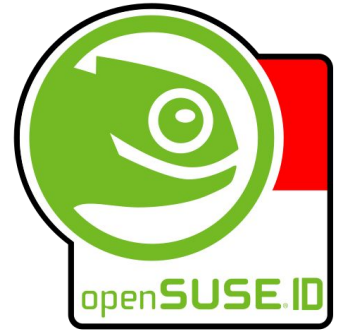
openSUSE Leap 15.0

Pesta Rilis openSUSE Leap 15.0
Kolaborato, 1 Juli 2018

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Hello (world)

- Kukuh Syafaat
 - FOSS Enthusiast
 - openSUSE-ID
 - GNOME-ID
 - LibreOffice-ID
 - Endless-ID
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Leap

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openSUSE Leap 15.0

https://news.opensuse.org/2018/05/25/based-on-enterprise-code-tested-millions-of-times-opensuse-leap-15-released/

Based on Enterprise Code, Tested Millions of Times: openSUSE Leap 15 released

May 25th, 2018 by Douglas DeMaio



EN, CA, CZ, DE, ES, JA, PL, PT-BR, ZH, ZH-TW

Fresh community build on top of SUSE Linux Enterprise 15 brings huge variety of newest software, easy migration to SLE, transactional updates, server roles, scalable cloud images and Linux laptops

Today's major release of openSUSE Leap 15 is offering professional users, entrepreneurs and ISVs (Independent Software Vendors) a new, fresh and hardened code base for their workloads that supports modern hardware, based on a stable, community- and enterprise-based open-source GNU/Linux distribution – but developed with a modern, more secure, better tested and much more open open-source build system unique to SUSE and openSUSE.

New Features

openSUSE Leap 15 now allows migration to SLE, brings a new partitioner, integrates the Groupware Kopano, moves to FirewallD – and also comes distributed by Linode (for Cloud and infrastructure setups) and on high-end hardware like Tuxedo Laptops (other Cloud and hardware vendors will follow). On top of that, Leap 15 introduces a system role selection with classic “server” or “transactional server” role with transactional updates and a read-only root file system. This brings in all the benefits of atomic updates to the full scope of deployments, from the Internet of Things (IoT) and embedded devices to classical server and desktop roles. Apart from that, Leap 15 has been continually optimized for cloud usage scenarios as virtualization guest and at the same time offers a great variety of desktops, including KDE and GNOME and features the return of Live images for simple test-driving.

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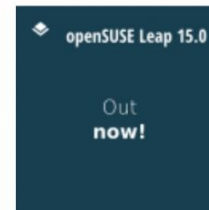


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Leap 15.0 Development Process

- Development started June 2017
- Complete rebase on Tumbleweed
- SLE 15 and Leap 15.0 developed together
- Common policies and bots
- Rolling development model driven by openQA
- Self hosting and reproducible



Leap 15.0

- More than 11000 source packages
- Live Images
- New partitioning backend in YaST
- Mostly moved to python 3
- Repodata is rpm-md only
- Firewalld replaced SUSEfirewall2
- GNOME uses Wayland by default
- Hidpi support
- Transactional server mode



Built to Scale

- Traditional installations or mass deployments
- Fine grained rpm packages
- Kiwi for building custom images
- In the cloud and in containers
- Run physical or virtual



Built to Scale

- Supported migration path to SLE
- Install SUSEConnect
- Register with your SLE regcode
- zypper dup



Transactional Server Mode

- Software set like a server install
- Read only root file system
- Leveraging existing technology for update and snapshot
- Install updates in a new snapshot
- Automatic update installations and reboot



Transactional Updates

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What is a Transactional Update?

An Update that:

- Is Atomic
 - Either fully applied, or not at all
 - Update does not influence the running system
- Can be rolled back
 - A failed or incompatible update can be quickly discarded to restore the previous system conditions



Transactional Updates

- Originally designed for MicroOS (openSUSE Tumbleweed based OS providing Transactional (Atomic) Updates upon a read-only btrfs root filesystem)
- Core feature in Kubic & SUSE CaaS Platform
- Contributed to Leap 15 and Tumbleweed
 - Install with “Transactional Server” System Role
- <https://kubic.opensuse.org/blog/2018-04-04-transactionalupdates/>
- <https://kubic.opensuse.org/blog/2018-04-20-transactionalupdates2/>



User Interface

Please select a system role

- Desktop with KDE Plasma
- Desktop with GNOME
- Server
- Transactional Server
- Custom

[Configure Online Repositories](#)

[Help](#)

[Abort](#)

[Back](#)

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How to do transactional updates

- Update your system with `transactional-update up` on Leap, or `transactional-update dup` on Tumbleweed
- Install software with `transactional-update pkg in PACKAGE_NAME`
- Remove software with `transactional-update pkg rm PACKAGE_NAME`
- To revert the last snapshot with `transactional-update rollback`

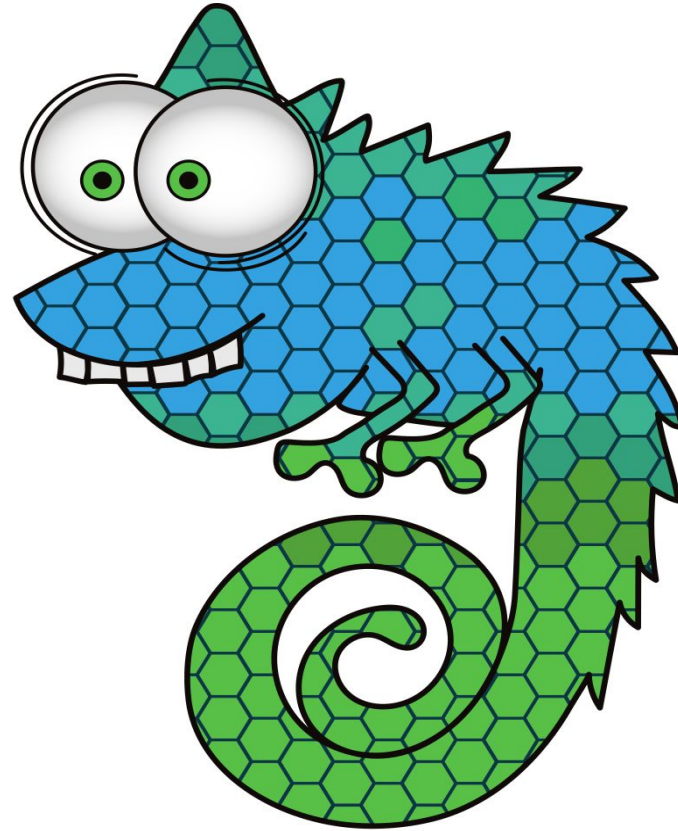




Demo



Q&A



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Credits

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