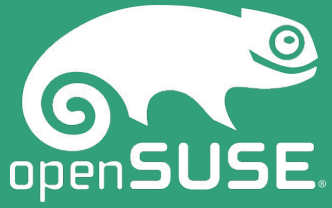

openSUSE Leap 15.0

Pesta Rilis openSUSE Leap 15.0
Kolaborato, 1 Juli 2018

Kukuh Syafaat
openSUSE-ID
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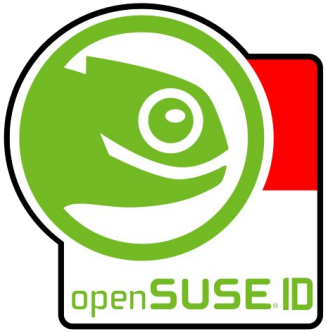
Hello (world)



- Kukuh Syafaat
  - FOSS Enthusiast
  - openSUSE-ID
  - GNOME-ID
  - LibreOffice-ID
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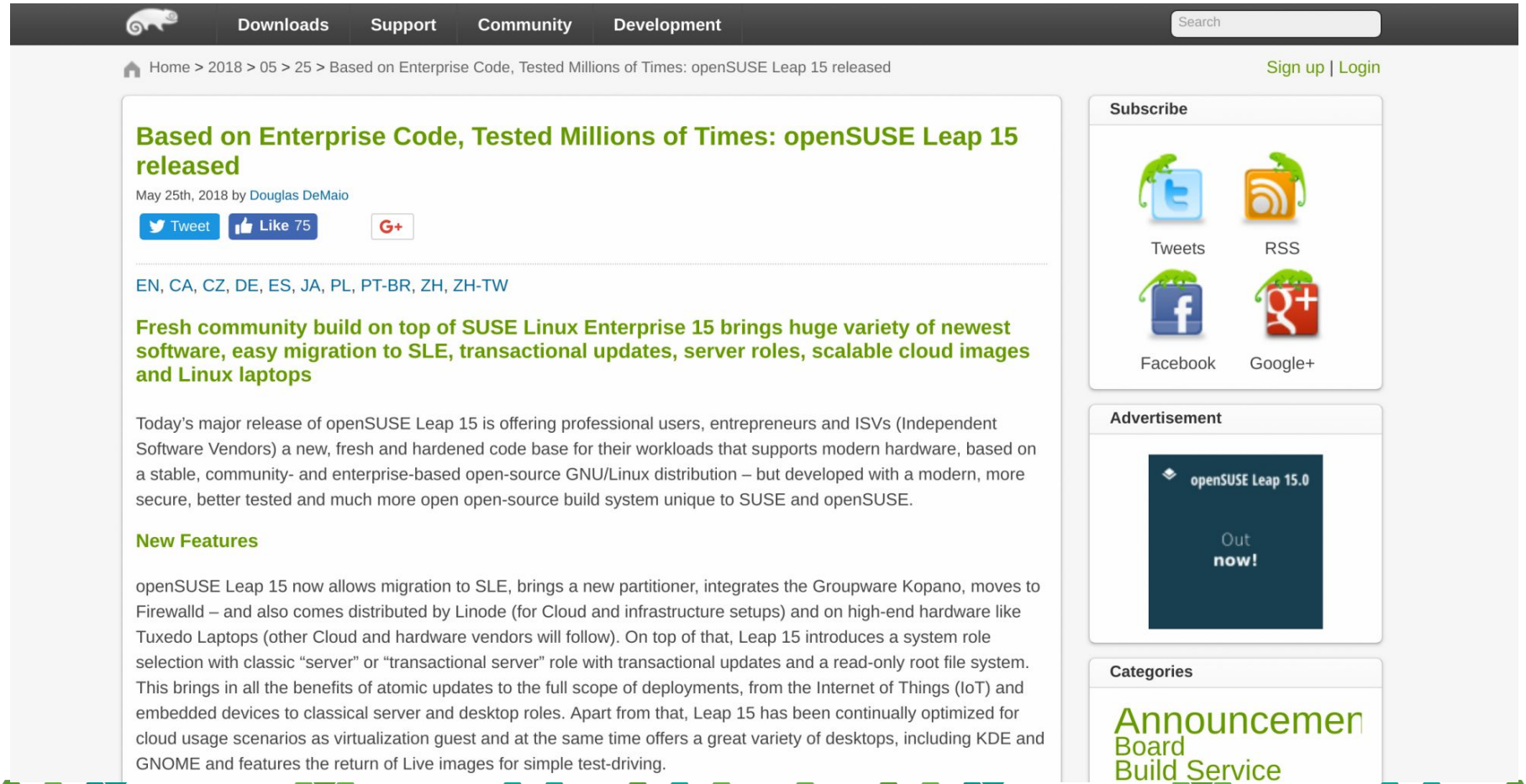
openSUSE Leap 15.0

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



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

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

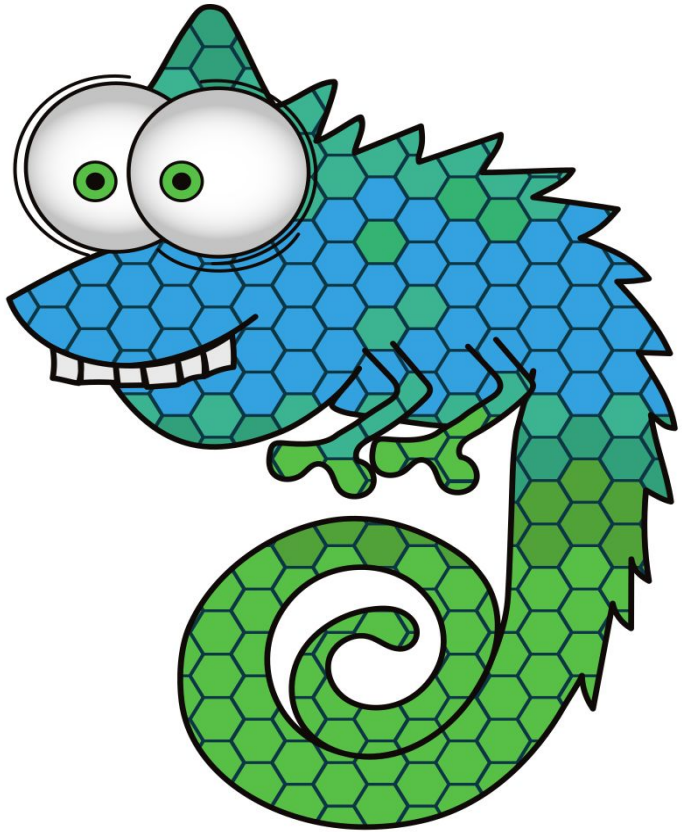
Abort Back Next

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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