PERFECT FOR EVERYONE

Many AI applications in the default repositories

ARTIFICIAL INTELLIGENCE

CONTAINER TECHNOLOGIES

for high-performance-computing and science

RICH DESKTOPS

XFCE 4.16
Gnome 3.34
KDE Plasma
5.18 LTS

BUILT TO SCALE

e.g. Nextcloud Kopano groupware

MAINTENANCE

Updates shipped in delta RPMS

ENTERPRISE MIGRATION READY

Migrate to SLE for enterprise certification and extended Support

REALTIME KERNEL

Optionally available for edge computing, embedded devices and data capturing

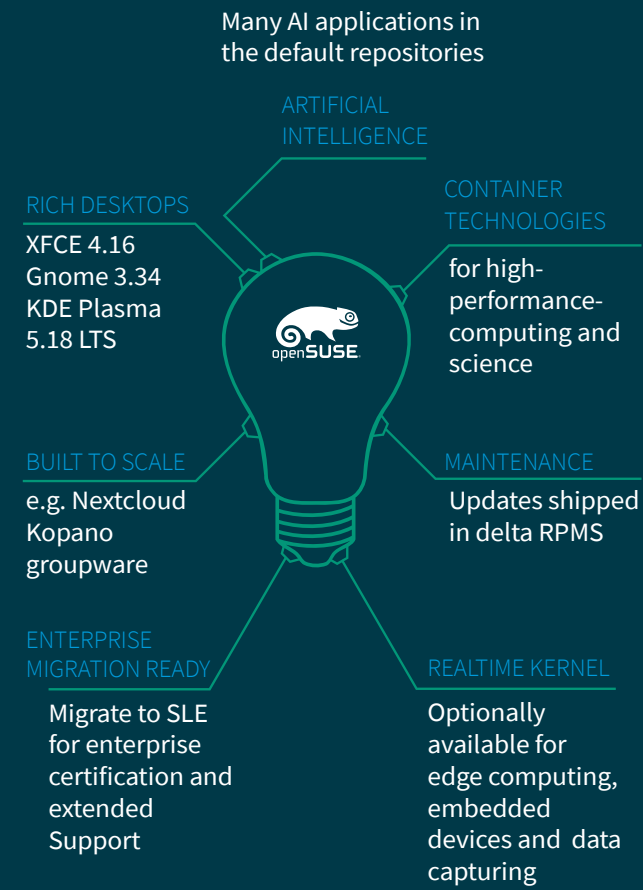## INSTALL OPENSUSE

You can download openSUSE 15.3 as an ISO file and create bootable media.

Use the burning application of your choice to burn the ISO file to a blank DVD.

Use SUSE Studio Image Writer or a similar tool to create a bootable USB drive.

Detailed, easy to follow instructions on how to prepare the media from any operating system can be found in the download area of the openSUSE website.

Recommended System Requirements

- 2 Ghz dual core processor or better
- 2 GB system memory
- Over 40GB of free hard drive space
- Either a DVD drive or USB port for the installation media
- Internet access is helpful, and required for the Network Installer

GET.OPENSUSE.ORG/LEAP/15.3

connect

www.opensuse.org • press@opensuse.org

forums.opensuse.org

[f] en.openSUSE

[reddit] /r/openSUSE

[twitter] @openSUSE

[m] matrix.to/#/ +rooms:opensuse .org
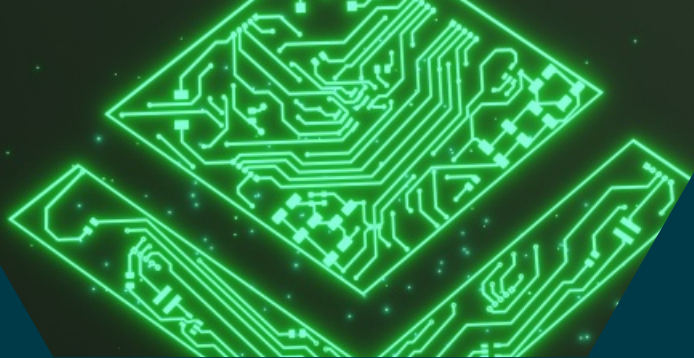
[mastodon] fosstodon.org/ @opensuse

openSUSE on Freenode

LEAP 15.3

The makers' choice for sysadmins, developers and desktop users.

openSUSE

MACHINE LEARNING

Leap 15.3 welcomes scientists with improved libraries for machine learning and artificial intelligence.

Tensorflow is a framework for deep learning that can be used by data scientists, provide numerical computations and data-flow graphs. Its flexible architecture enables users to deploy computations to one or more CPUs in a desktop, server, or mobile device without rewriting code.

PyTorch is made for both server and compute resources and accelerates power users' ability to prototype a project and move it to a production deployment.

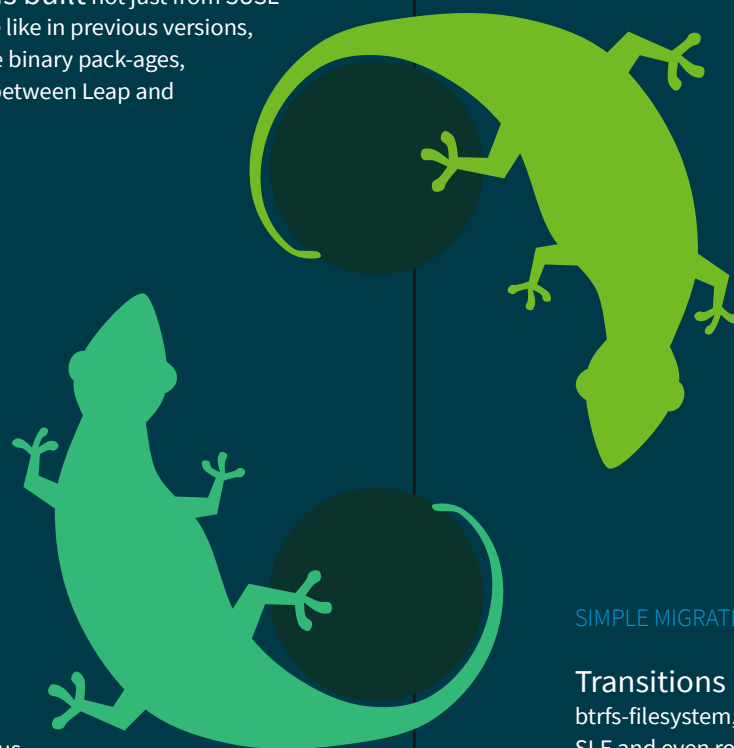Grafana and Prometheus are highly useful to analytical experts.

ONNX is an open format built to represent machine learning models, provides interoperability in the AI tool space. It enables AI developers to use models with a variety of frameworks, tools, runtimes, and compilers.

BINARY COMPATIBILITY WITH SLE

openSUSE Leap 15.3 is built not just from SUSE Linux Enterprise source code like in previous versions, but built with the exact same binary pack-ages, which strengthens the flow between Leap and SLE like a yin yang.

YIN YANG

The mutual relationship shared by openSUSE Leap 15.3 and SLE 15 Service Pack 3 give users of both the same choices for thousands of community supported packages. Backports – the community packages – are built on top of the baseline of SLE. They are published to SUSE Package Hub, so migrations from Leap to SLE are uniform and instantaneous.
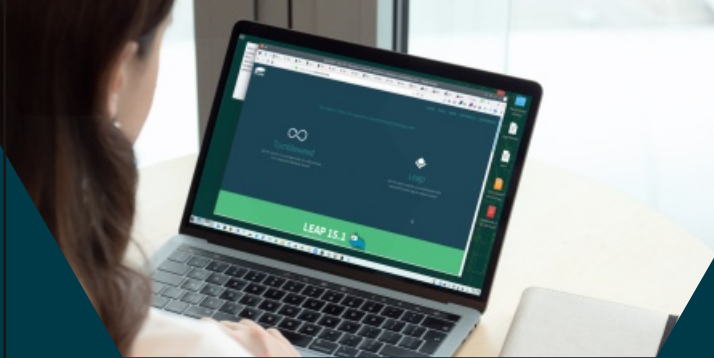
THE BASE FOR CONTAINER AND VIRTUAL MACHINES

Leap empowers its users to run on as many CPUs and host as many virtual machines without any limitations. Users of Leap can migrate existing server, virtual machine or containers over to SUSE Linux Enterprise, should there be a need to "turn on" enterprise support at a later time.

SIMPLE MIGRATION

Transitions between the two is fast. With a btrfs-filesystem, users can test on Leap, deploy to SLE and even rollback to a Leap snapshot.

YOUR FAVORITE DESKTOP ENVIRONMENT

XFCE is upgraded to 4.16 and offers a new visual identity in this release. With new icons and palette, Xfce shines a little more out of the box. The Settings Manager received a visual refresh of its filter box, which can now be hidden permanently.

Plasma 5.18 LTS is once again the shipped version with a significant amount of polish and quality features. Notifications are clearer, settings are streamlined and the overall look is more attractive.

GNOME 3.34 provides a considerable amount of visual refreshes for a number of applications. More data sources in sysprof makes performance profiling of an application even easier and there are multiple improvements to Builder including an integrated D-Bus inspector.

CHANGELOG

3rd draft/May 10

New Version with OpenSans as the default font

p1: Replaced Logo with Leap-Logo (borders are stillcut though)

p2/3: replaced bitmap with vector graphics, reformatted the text

p4:

back/front: clipping of hexagons fixed

TO DO

- cover image needs color balance

- machine learning image needs to be rerendered and color-balanced

- notebook image shows an old version of the website and has an artefact

2nd draft/Apr 21

p6:

- "You can download..." centered

- "A bootable media..." -> "Bootable media..."

- "A detailed..." -> "Detailed..."

- updated URL

- Matrix Channel corrected

- Swapped Matrix and Freenode

TO DO

- cover image needs color balance

- machine learning image is stock and I need to replace it with my own onw in the shape of the Leap-logo and green traces

- notebook image shows an old version of the website and has an artefact

- Yin-Yang as vector

- p2/3 need polishing

1st draft/Apr 18

- initial draft taken from 15.2-flyer

- The draft does not have any cuts

- cover image changed

- text on page 2 changed