

# Open Enterprise & Open Community

Working Together

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openSUSE Chairman  
SUSE Linux GmbH

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openSUSE Release Manager  
SUSE Linux GmbH

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Principal Engineer, Open Source  
ARM Ltd



# Contents

- Introduction to the openSUSE Project
- Tumbleweed
- openSUSE and SUSE Linux Enterprise
- Closing the gap with one giant Leap..

# Introduction to openSUSE

# openSUSE®

- Open Source Community Project sponsored by SUSE®
- Founded 9th August 2005
- “Promotes the use of Linux everywhere”
- Produces the openSUSE distribution



# 10 years old!



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tumbleweed



snapper



openQA

wicked



Evergreen

# One Project, Three Distributions

- openSUSE Tumbleweed
  - 'Rolling Release' (Constant Updates)



- openSUSE
  - Regular Releases (Every 8-12 months)



- openSUSE Evergreen
  - 'Long Duration Support' (Patches for extra years)



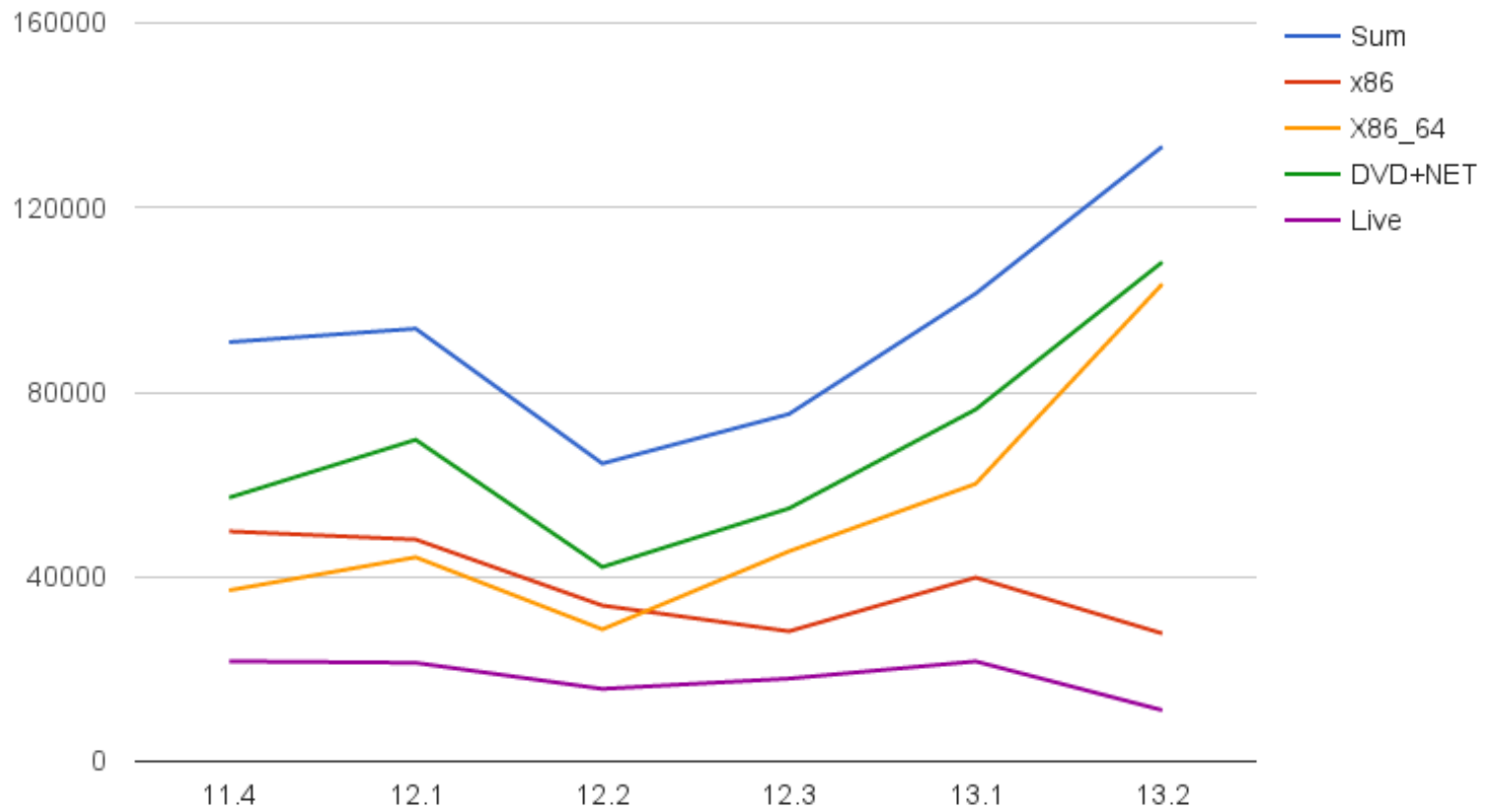
# openSUSE® distribution

- Consumer/'Conservative Enthusiast' focus
- Successor to the 'SUSE® Linux' Boxed distribution
- First release was 'SUSE Linux 10.0' in October 2005
- Renamed 'openSUSE' with 10.2 in December 2006
- openSUSE 13.2 was released on 4th November 2014
- Our 14th release!
- Over 7000 packages (& many more in OBS)





## Downloads comparison



“Man is a tool-using animal.  
Without tools he is nothing,  
with tools he is all”

- Thomas Carlyle

# Building Linux Better

- Open Build Service started in February 2006
- Used to build the openSUSE® & SUSE® distributions
- Can also build packages for other distributions (Fedora/Red Hat, Ubuntu, Debian, Arch, etc)
- Also used by ownCloud, Linux Foundation, VideoLAN (VLC), Dell, Cray, Intel and more.

# Testing Linux Better

- openQA started in November 2009
- Able to fully test Linux distributions from install to user applications
- Integral part of the openSUSE® Tumbleweed & Regular Release process
- Used by SUSE® to test SUSE Linux Enterprise
- Recently adopted by Red Hat to test Fedora



# Testing Linux Better

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Learn more about openQA  
Thursday 10:15AM in this Room



Tumbleweed

# Rolling on...

“Rolling Releases are the future of Linux Distributions”

- Richard Brown, openSUSE Chairman and someone else, probably

# What is a Rolling Release?

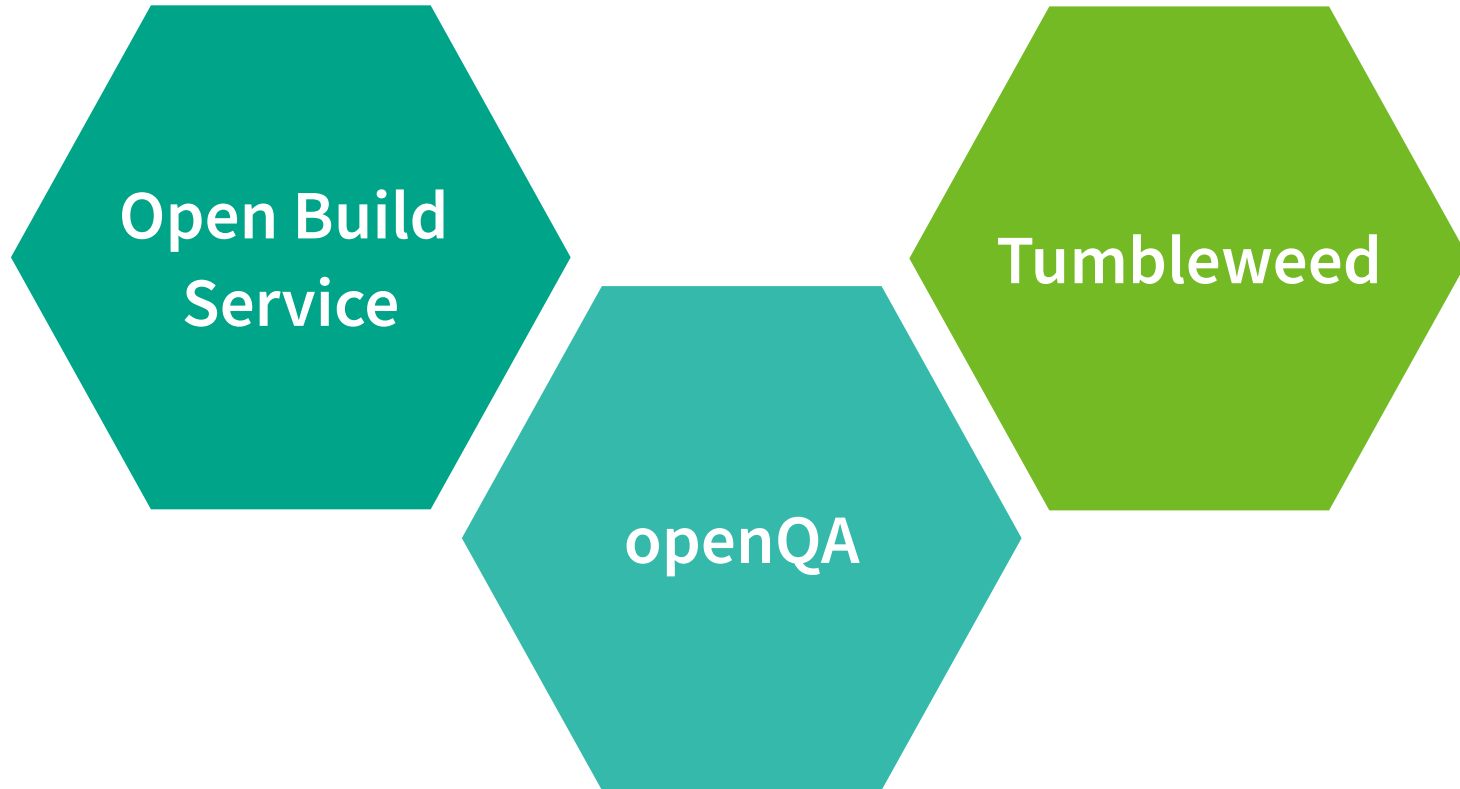
- No Release Schedule
- Frequent Updates to all Packages
- Updates delivered “when they're ready”



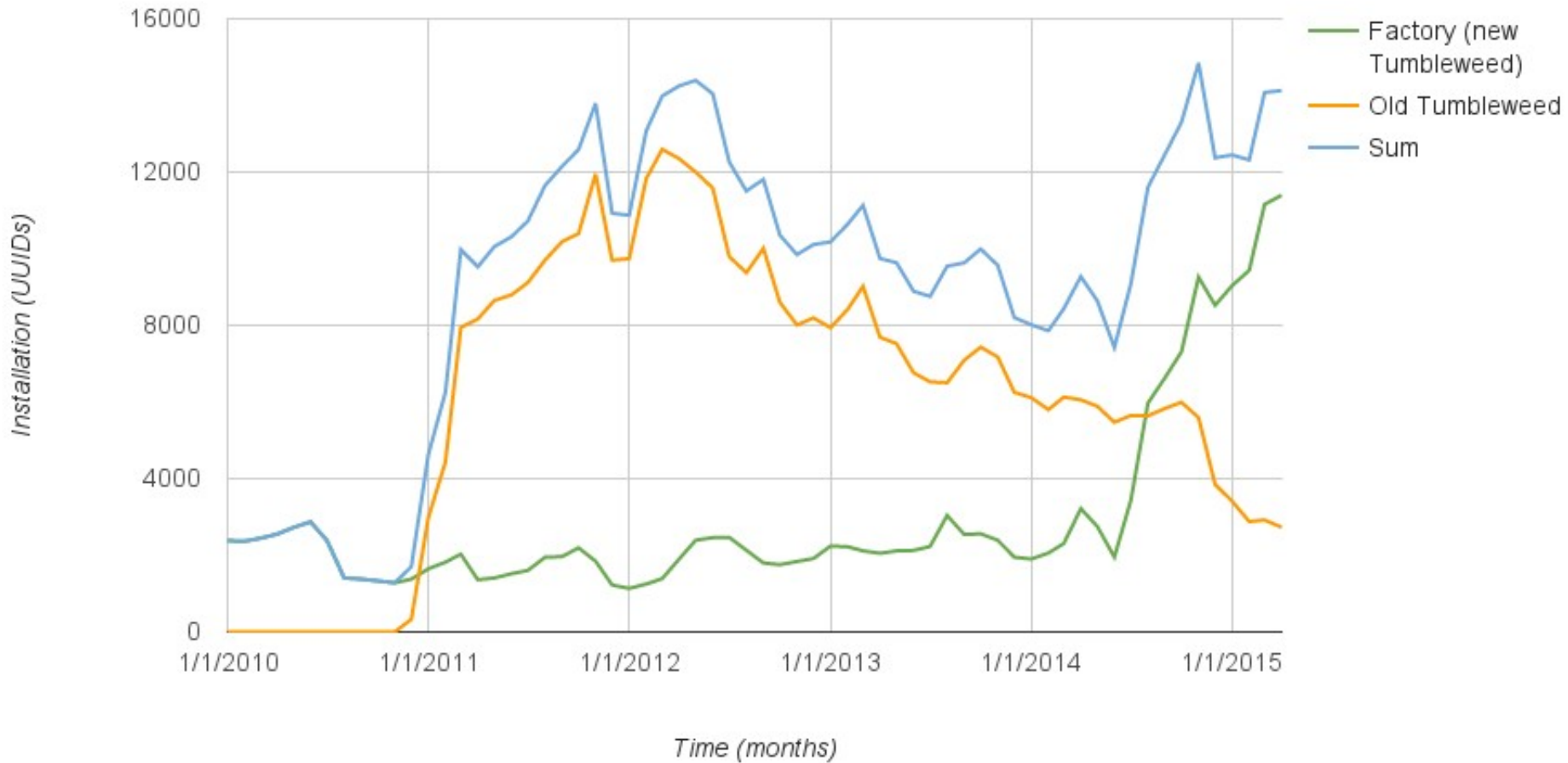
# openSUSE® Tumbleweed

- Originally 'rolling updates' based on stable releases created by Greg Kroah-Hartman
- Merged with the 'Factory' rolling release on November 4th 2014
- Now a 'true' rolling release
- Provides the latest updates 'at the pace of contribution', without the risk of major system issues
- Tested by openQA continuously
- Developer, Contributor & Enthusiast focus

# openSUSE® Tumbleweed



## Factory - Tumbleweed Installations



# A 'quiet' Tumbleweek

- 3 Snapshots
- 146 Package Updates
- 15 New Packages on the DVD
- 38 Packages Removed from the DVD
- 1 new Kernel

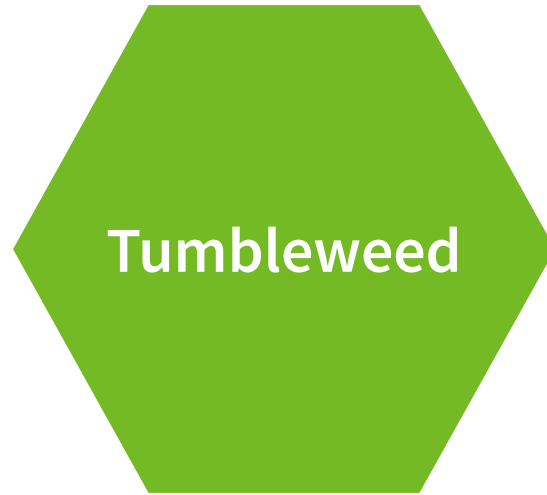
# A 'quiet' Tumbleweek

- 3 Snapshots
- 146 Package Updates
- 15 New Packages on the DVD
- 38 Packages Removed from the DVD
- 1 new Kernel

# QUIET?!

# Another Tumbleweek

- 5 Snapshots
- 298 Package Updates
- 47 New Packages on the DVD
- 42 Packages Removed from the DVD
- 2 new Kernels

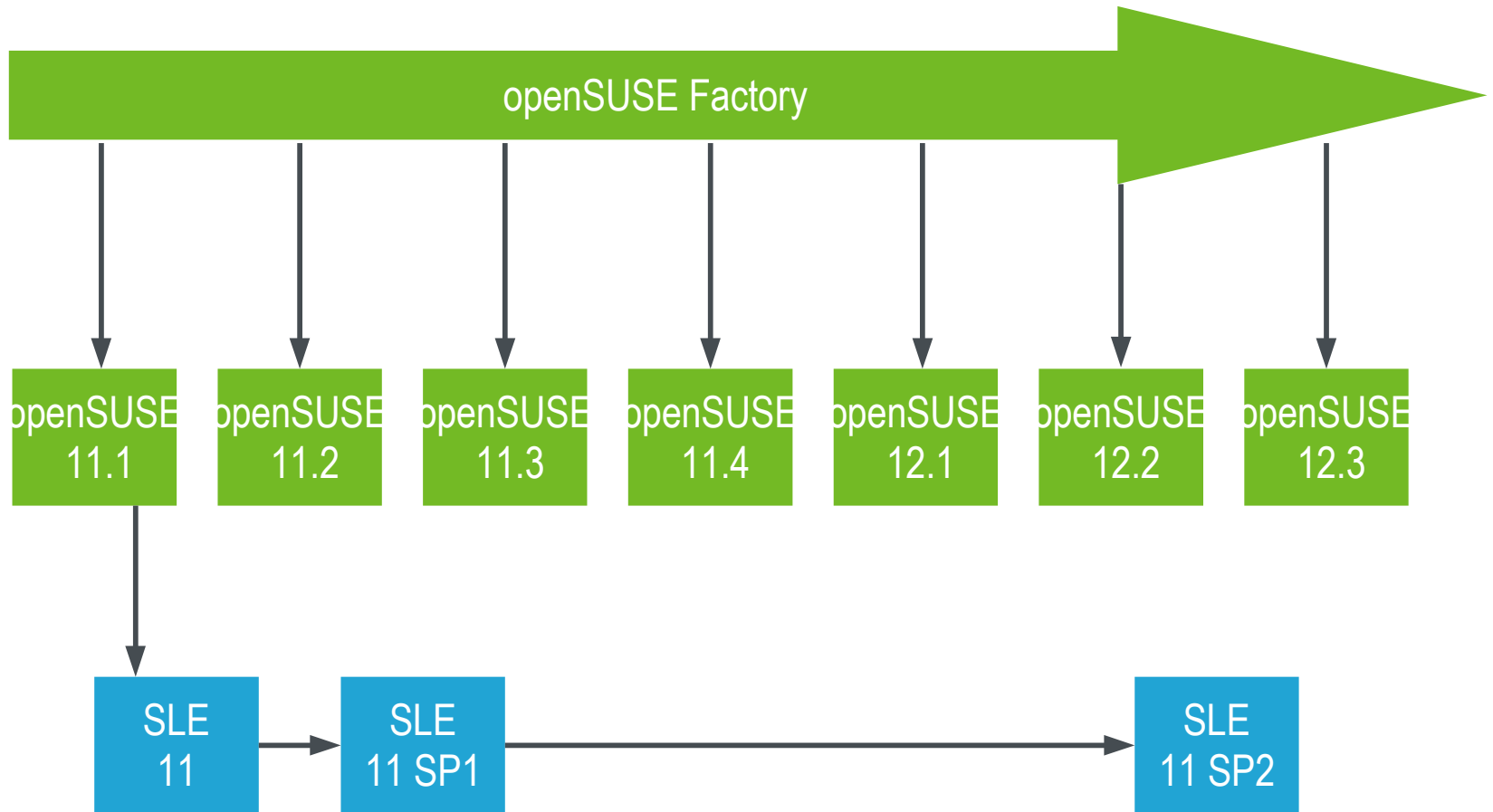


ALWAYS CHANGING.. ALWAYS WORKING

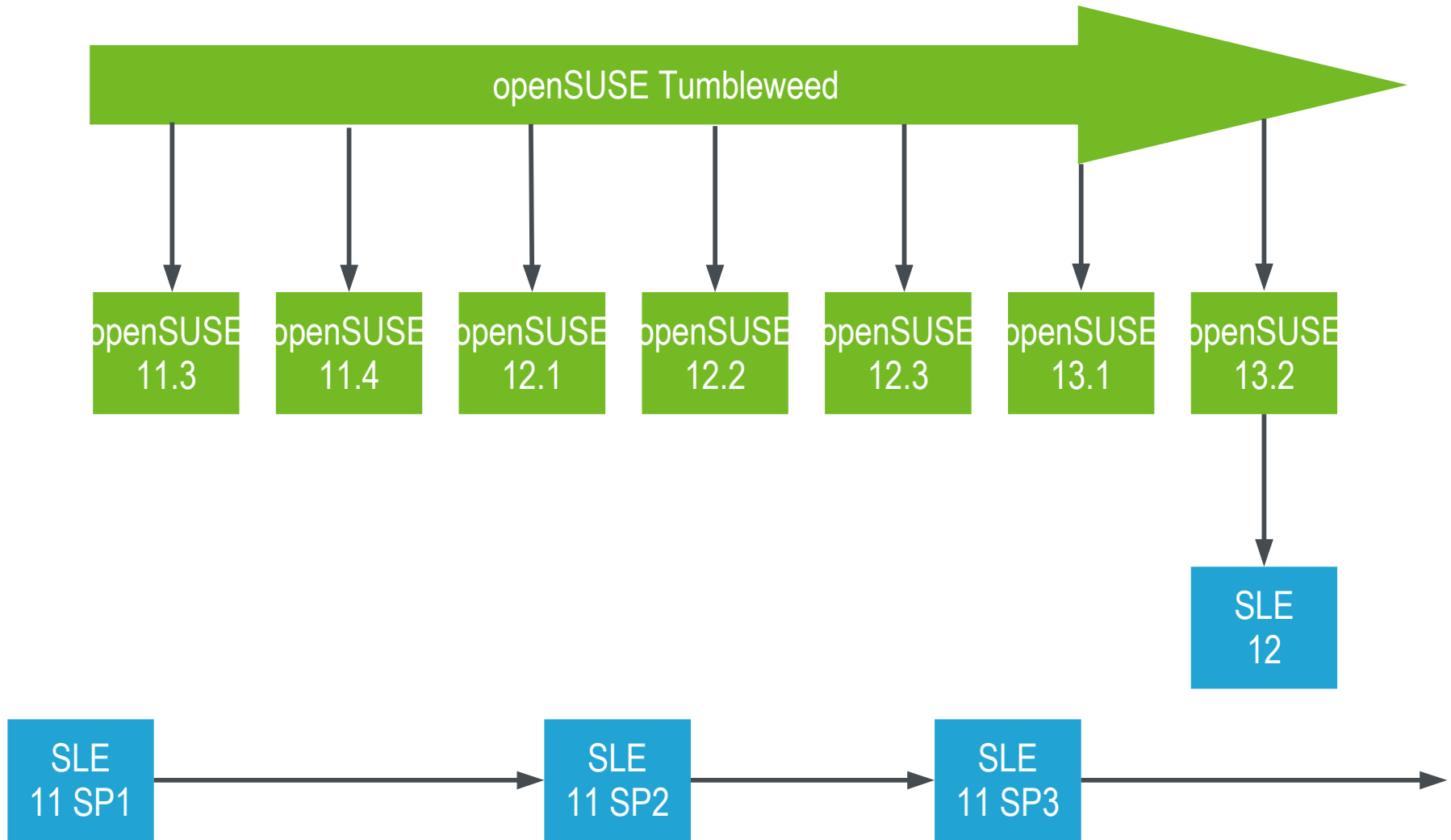
openSUSE® &  
SUSE Linux Enterprise®



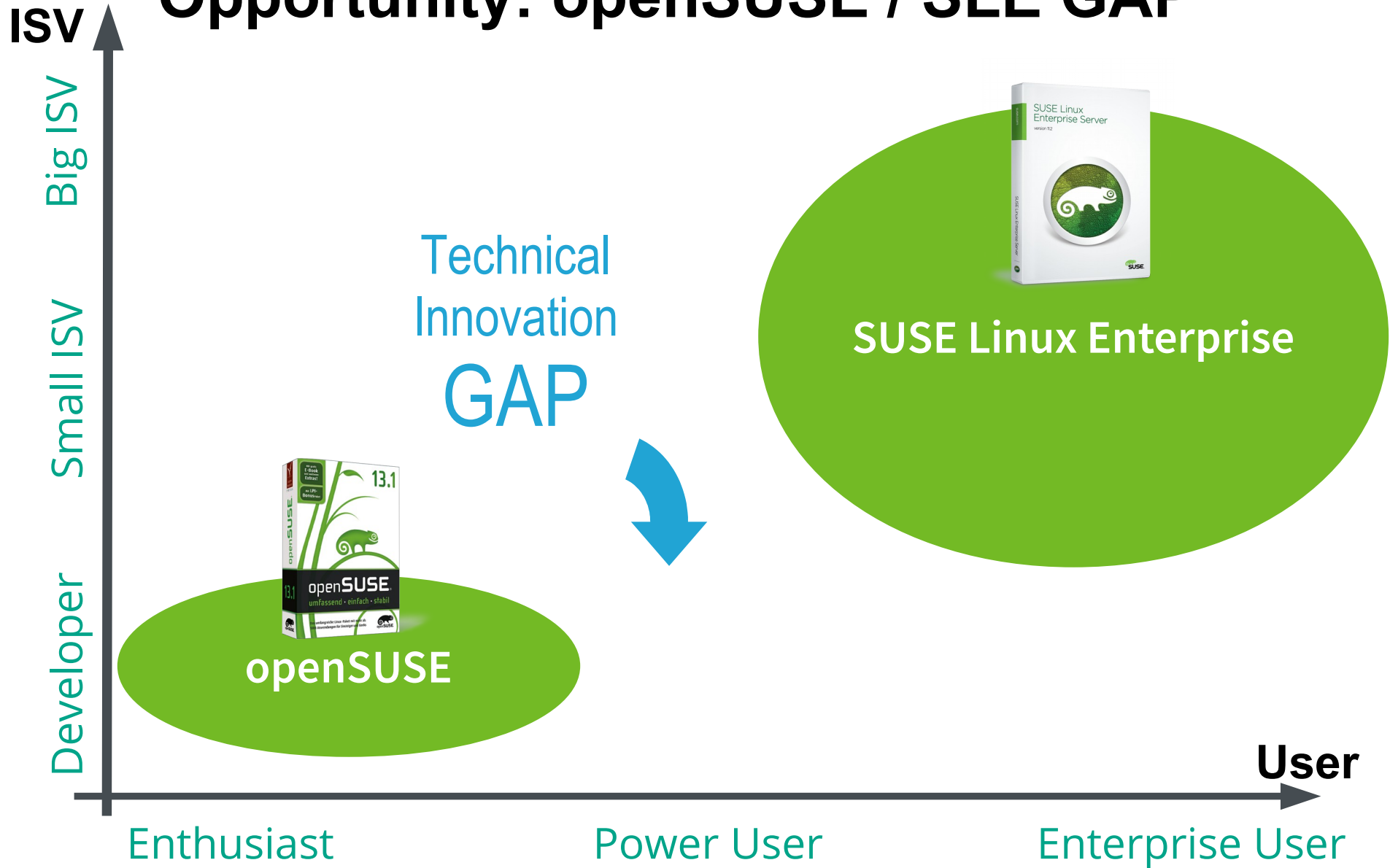
# openSUSE® and SLE – The Past



# openSUSE® and SLE – The Present



# Opportunity: openSUSE / SLE GAP



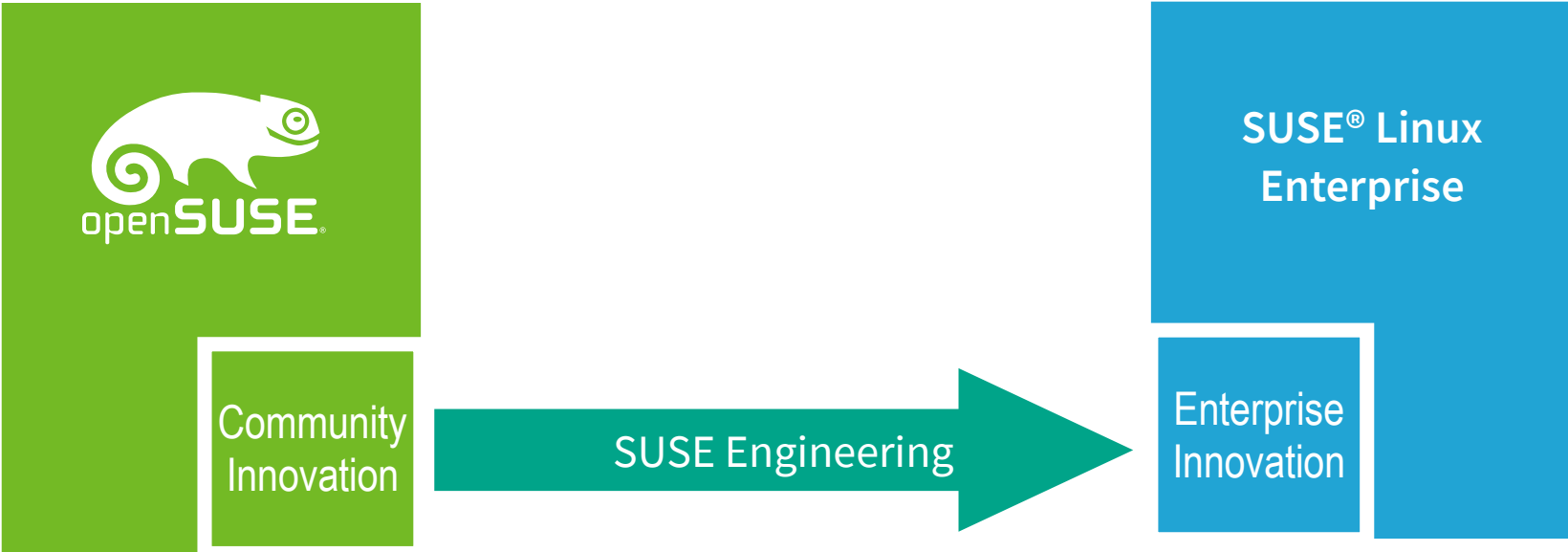
# Mutual Benefits of Closing the Gap



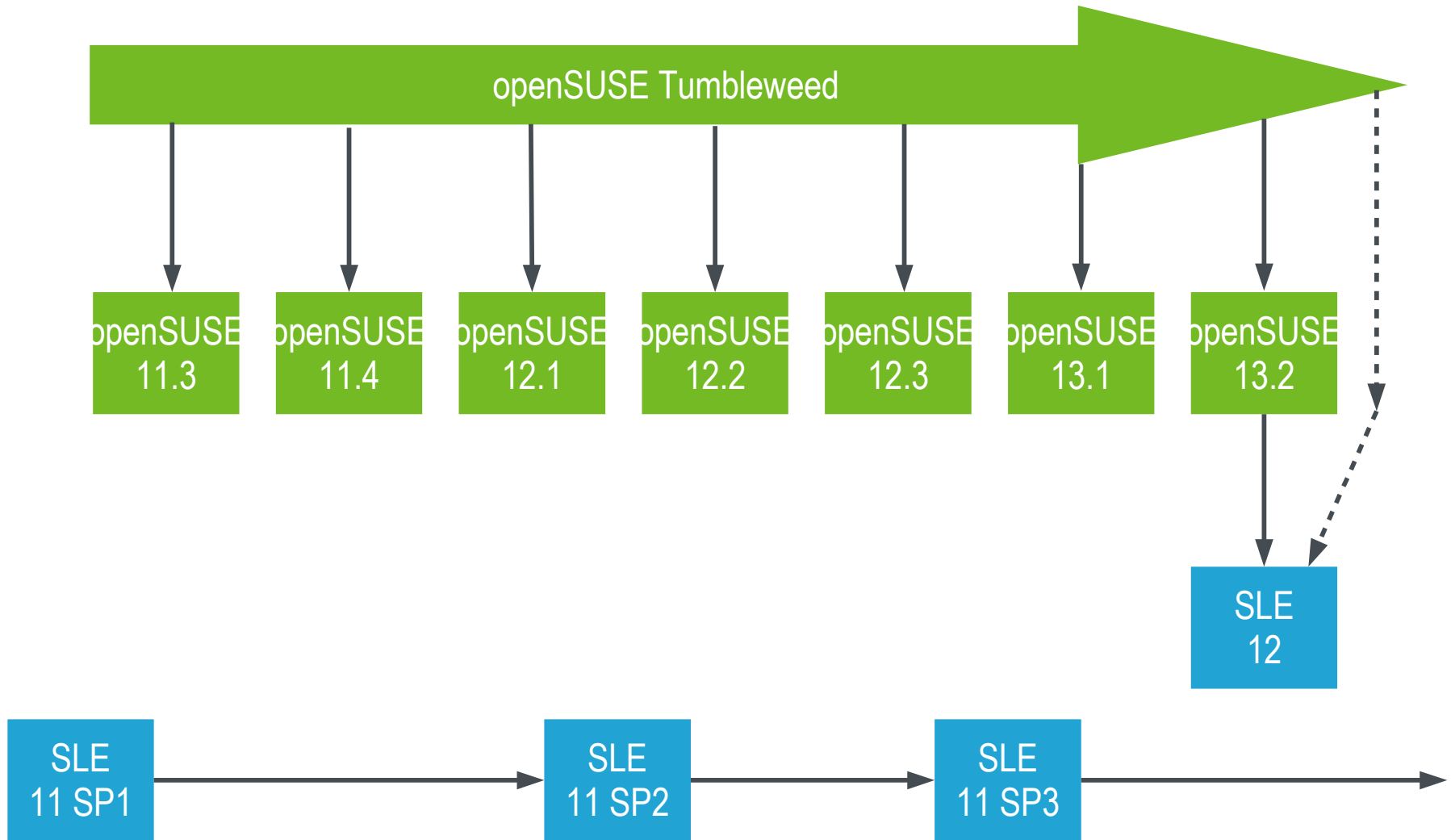
# River Flowing Downstream



# Adopting Innovation



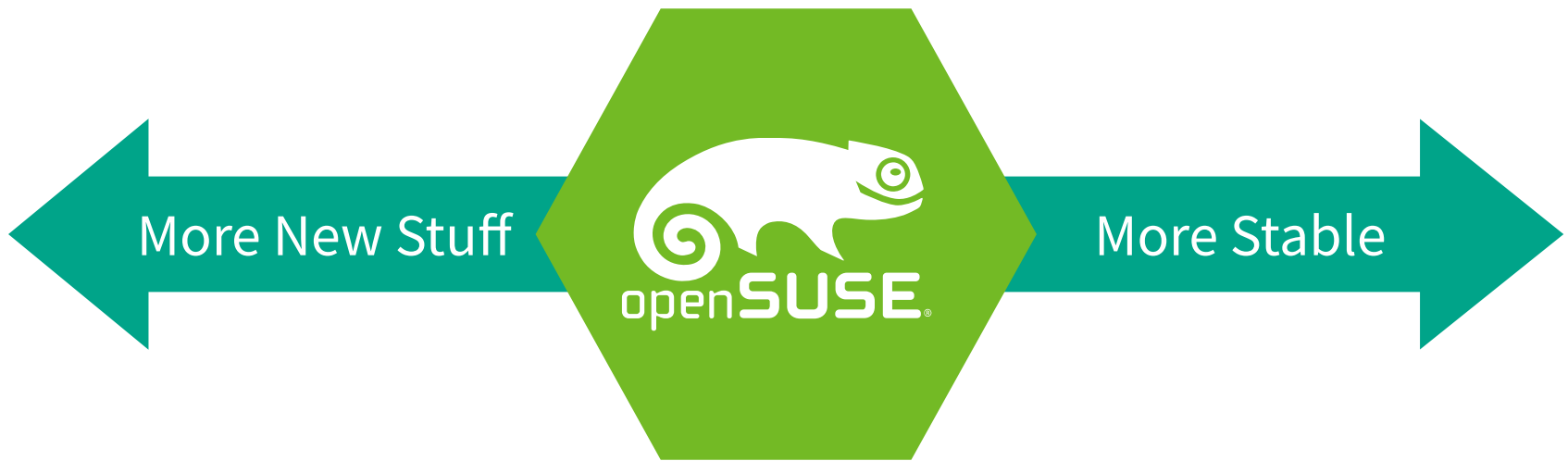
# openSUSE® and SLE – The Present

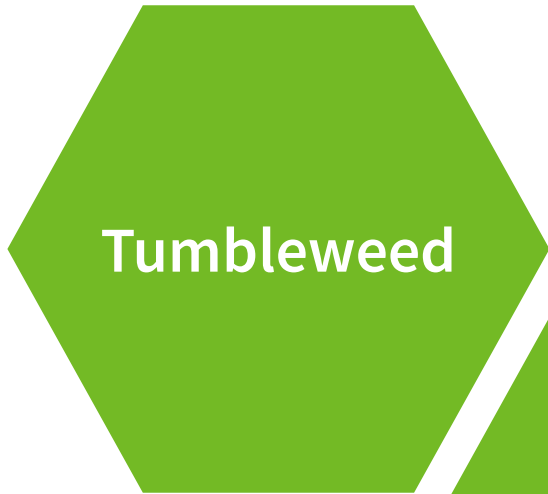


# The openSUSE View









# A 'Perfect' openSUSE Stable Release?



# A 'Perfect' openSUSE Stable Release?

- Stable



# A 'Perfect' openSUSE Stable Release?

- Stable
- Well Maintained



# A 'Perfect' openSUSE Stable Release?

- Stable
- Well Maintained
- Lifecycle of 3 years (or more)



# A 'Perfect' openSUSE Stable Release?

- Stable
- Well Maintained
- Lifecycle of 3 years (or more)
- Wide Selection of Packages



One giant Leap for SUSE-kind

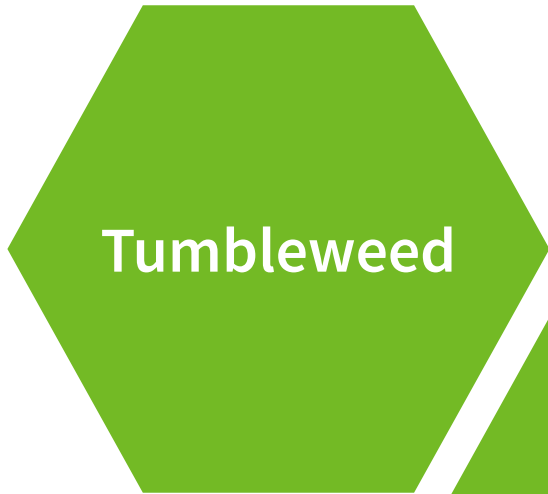


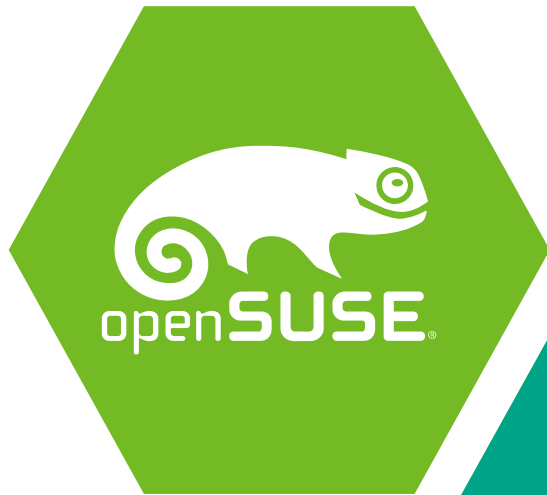
# SLE Sources for openSUSE

- The latest SUSE Linux Enterprise Sources are available in the Open Build Service **NOW**
- This includes the Sources for Patches

# CentOS for SUSE? (SLENTOS)

- Sources are made available by SUSE, not Binaries
- Intention is to enable openSUSE to build a unique offering to 'close the gap'
- “Best of Both Worlds” is a lot more interesting than a clone of an Enterprise Distribution





Shared  
SLE Sources

SUSE® Linux  
Enterprise

# openSUSE Leap

## Tumbleweed

>8000 Packages  
Community  
Developed  
Rolling Updates

Rolling Base System

## openSUSE Leap

Over 6000 Packages  
Community  
Developed

## Shared Core

Stable Base System  
Regular Updates

## SUSE® Linux Enterprise

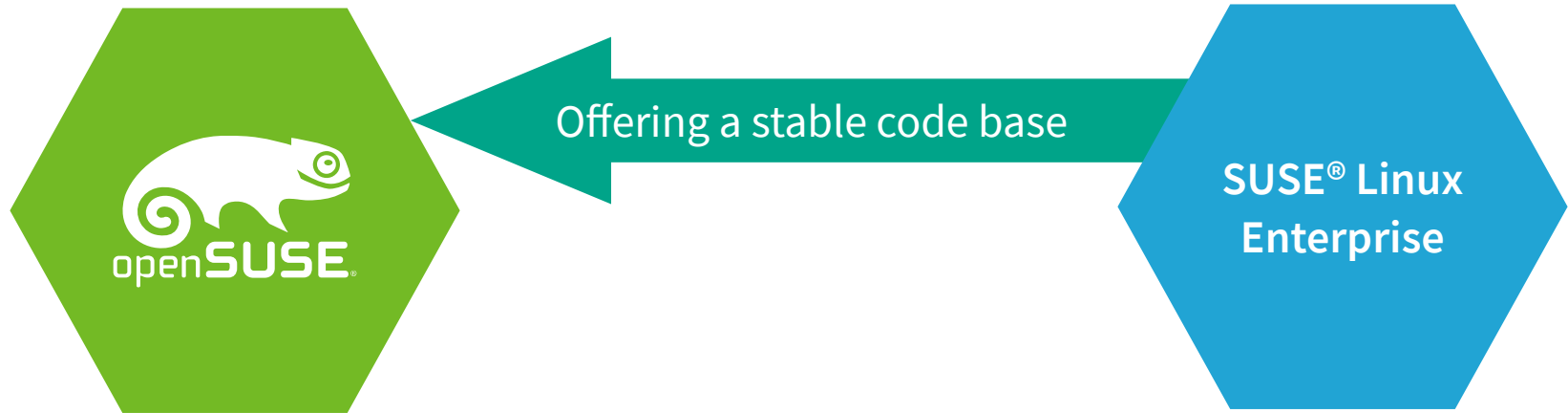
Enterprise Packages  
SUSE Developed

## Shared Core

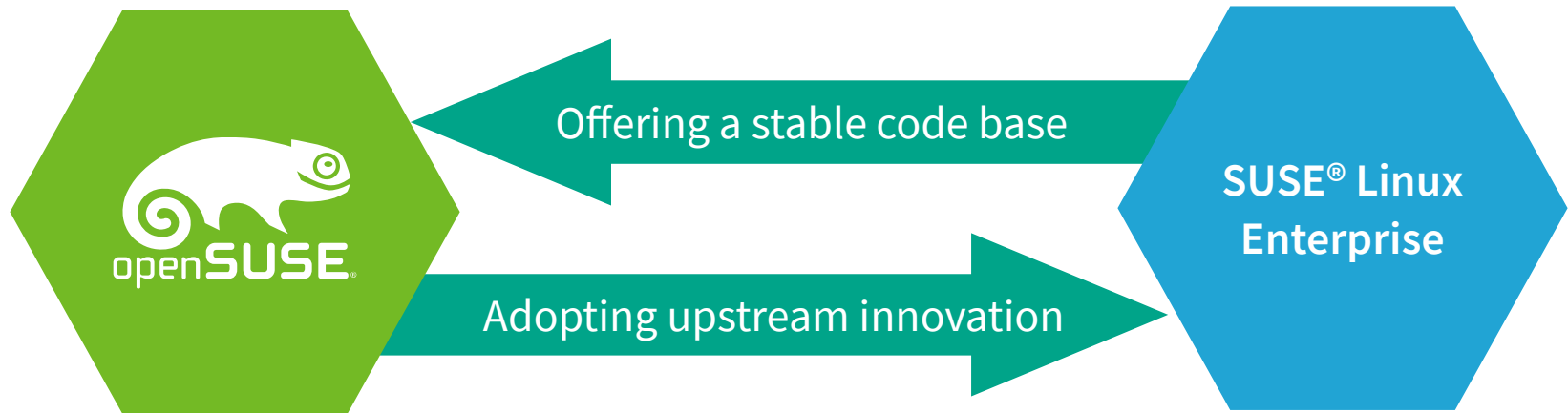
>1000 Packages

Stable Base System  
Regular Updates

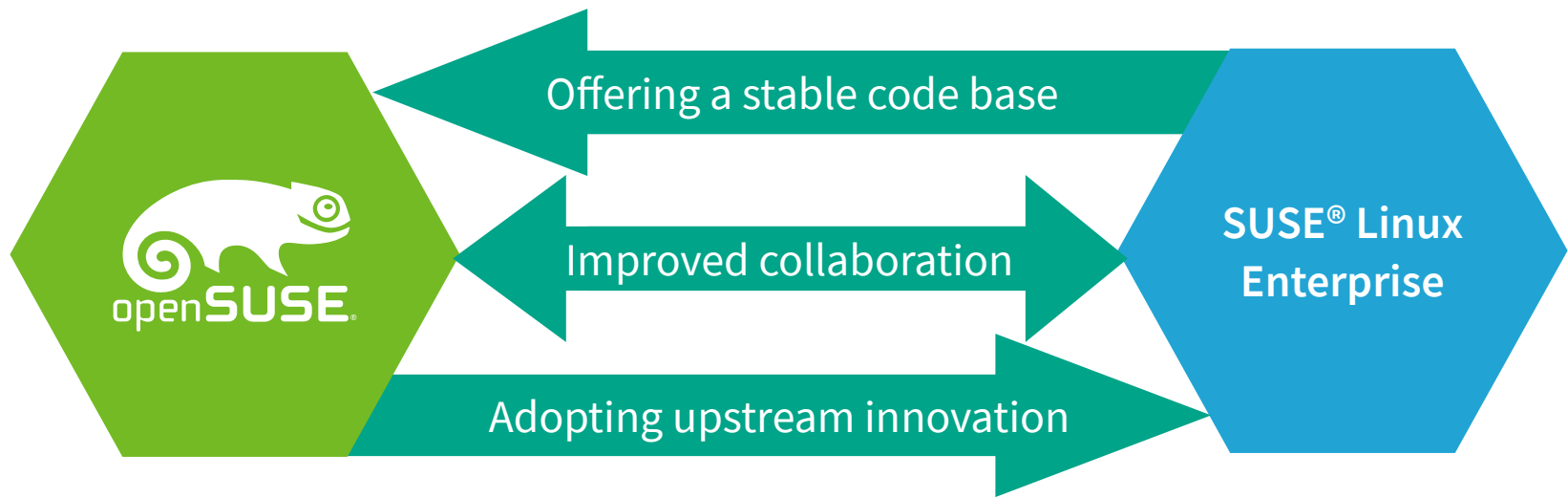
# Mutual Benefits of openSUSE Leap



# Mutual Benefits of openSUSE Leap



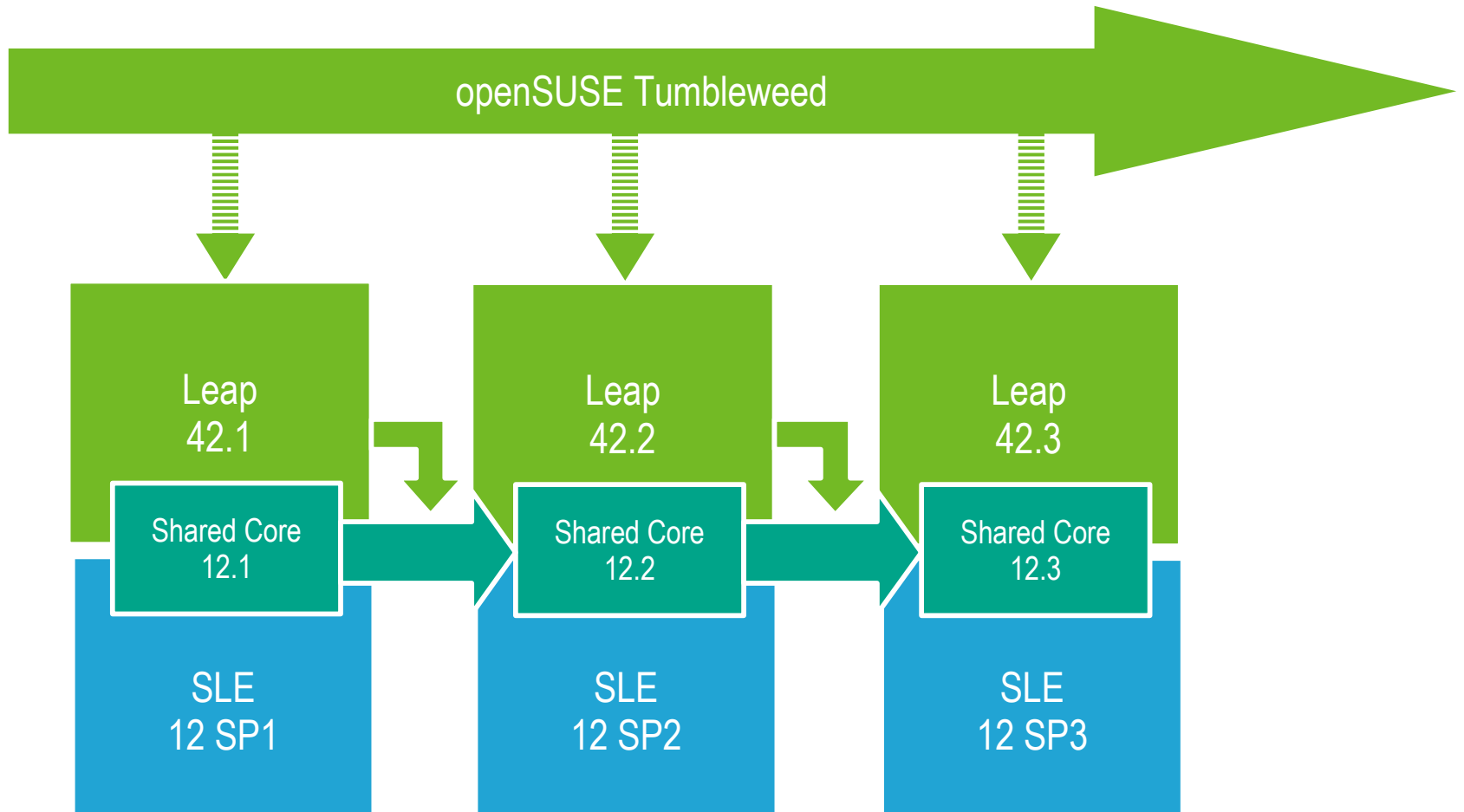
# Mutual Benefits of openSUSE Leap



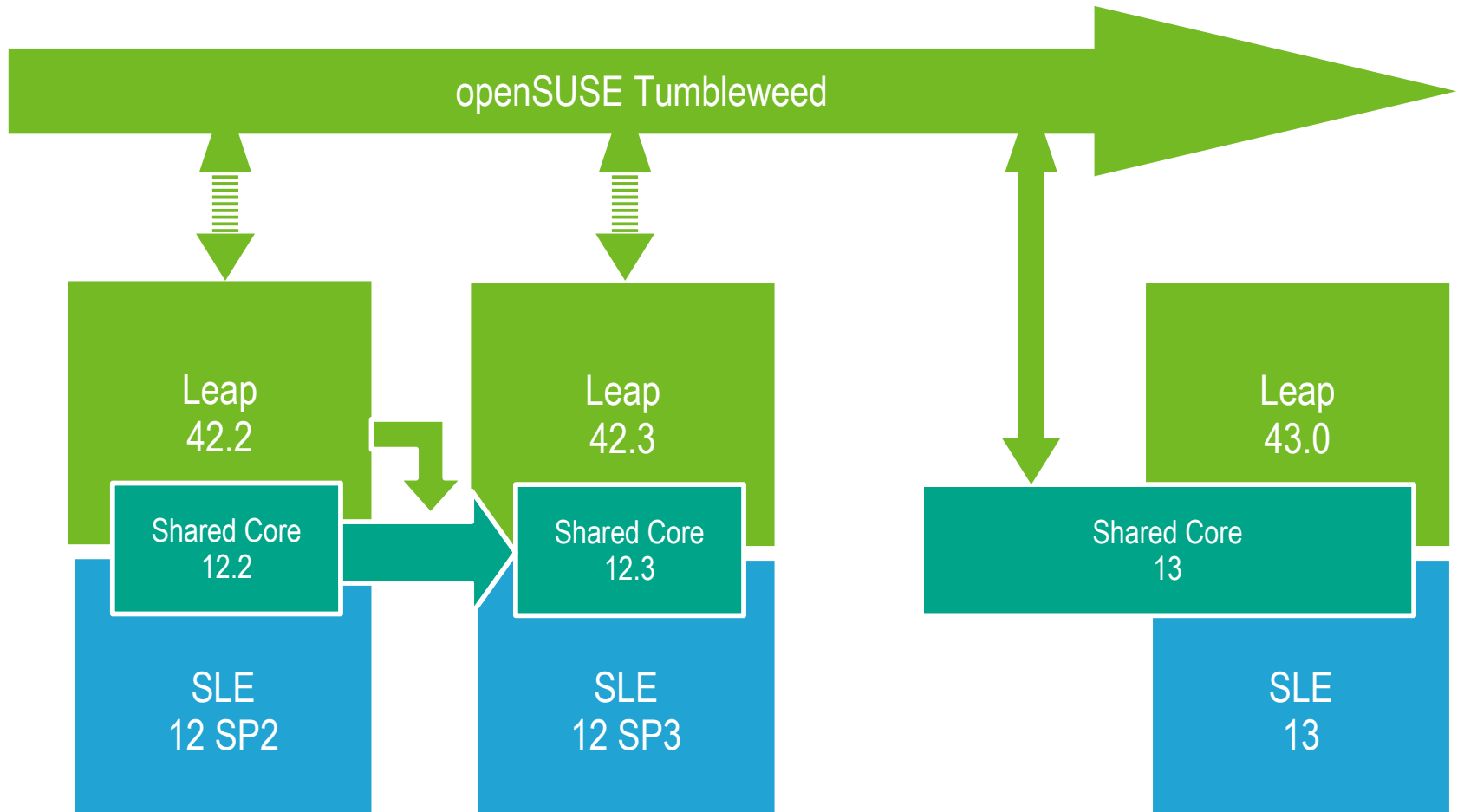


# openSUSE® & SLE

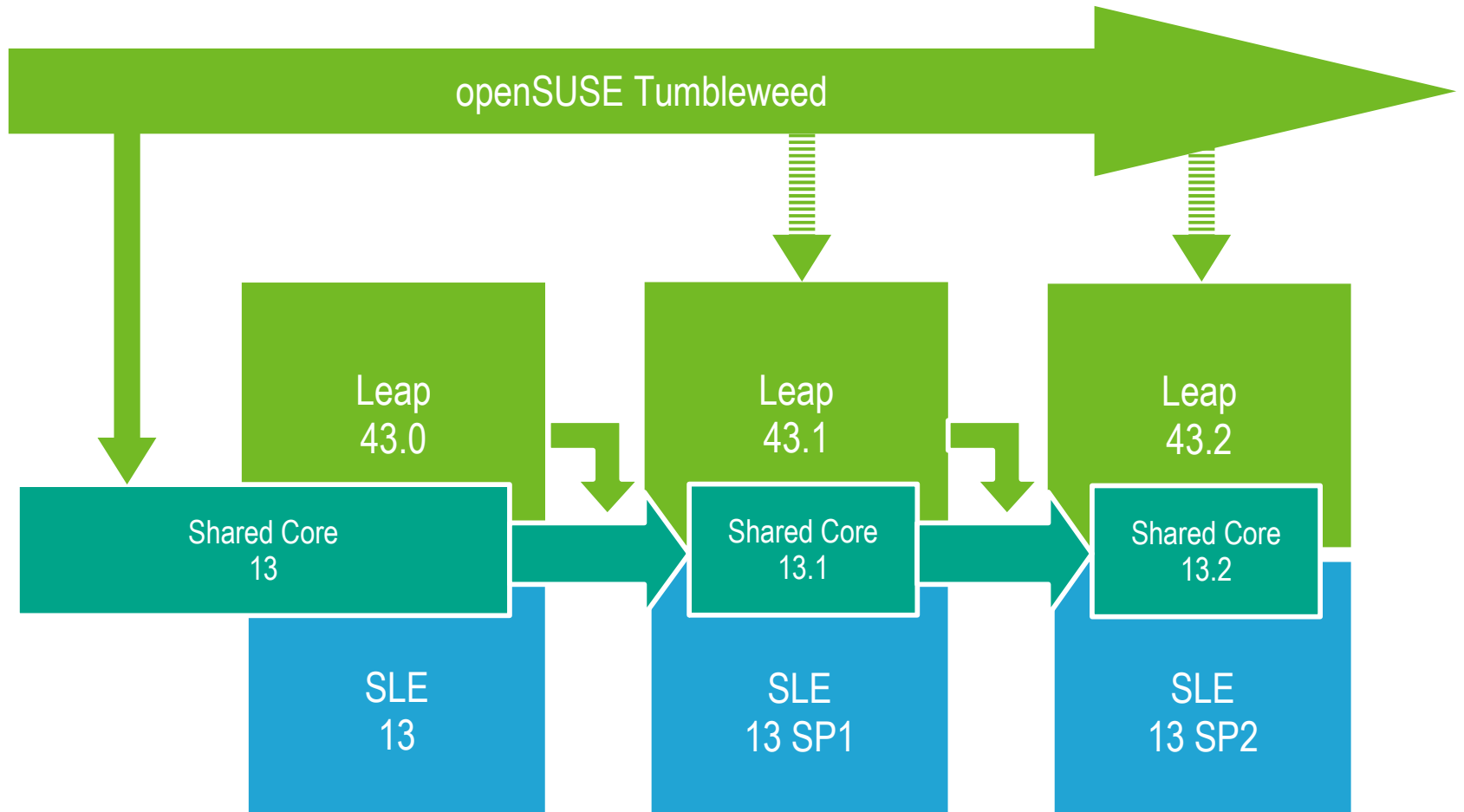
Developing Together



# openSUSE Leap 43.0



# openSUSE Leap 43.0 and Beyond



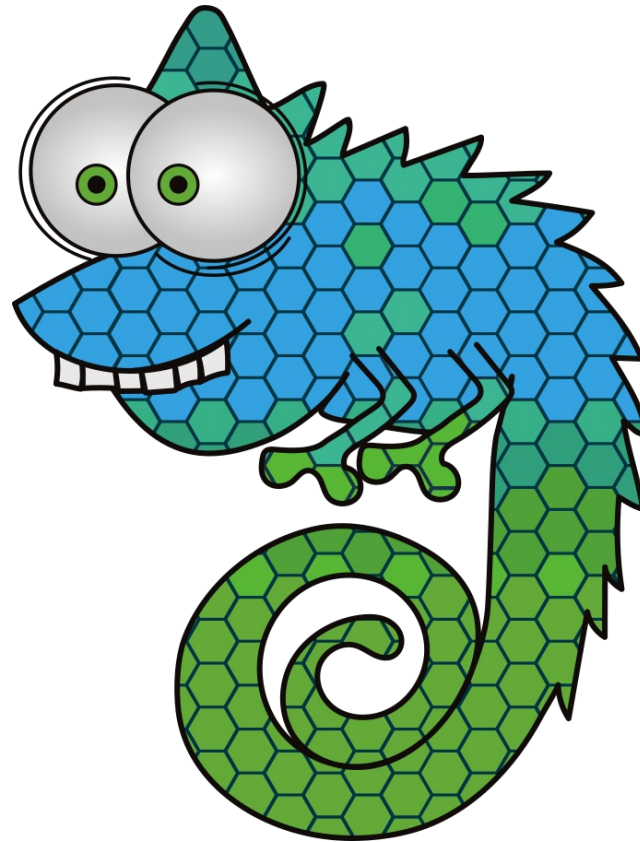
# openSUSE Leap

A 'Perfect' Stable Community Release?

- Stable
- Well Maintained
- Lifecycle of 3 years (or more)
- Wide Selection of Packages



ALWAYS CHANGING.. ALWAYS FUN



Find out more  
and start contributing  
[en.opensuse.org/Portal:Leap](https://en.opensuse.org/Portal:Leap)

Thank you.



Questions?







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