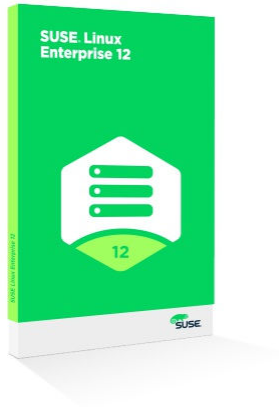


# SLES 12 - SP Migration



# Agenda

- Overview
- Product Life Cycle
- Migration

# Overview

SUSE release Service Packs at regular intervals:

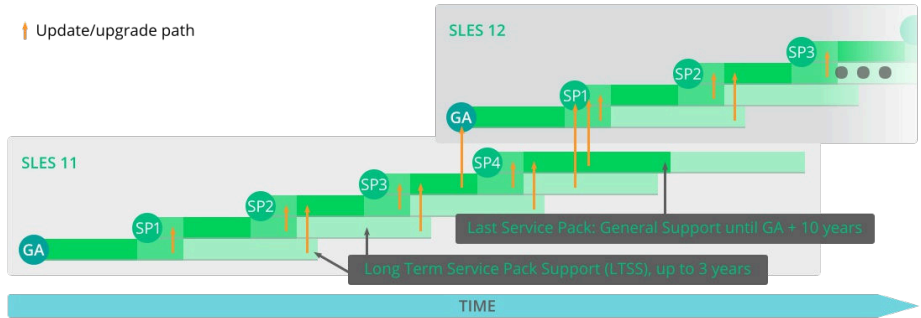
- Support for new hardware
- More recent versions of included packages
  - Better performance
  - Newer features
  - Bug fixes
- Product enhancements

# Product Life Cycle



SUSE Linux Enterprise Server has a 13-year life-cycle: 10 years of general support and 3 years of extended support.

# Upgrade Path



Major releases are made every 4 years. Service packs are made every 12-14 months.

# Migration

- You can update from a local CD or DVD drive or from a central network installation source.
  - Network installation source:
    - SCC
    - SMT
    - SUSE Manager
    - Installation Source Server
- graphical and a command line tool

# Preparations

- Backing up data
- Temporarily disable kernel multiversion support
- MySQL / PostgreSQL Database

# Disk Space

- Space requirements depend on your particular partitioning profile and the software selected.
- During the update procedure, YaST will check the free disk space and display a warning to the user if the installation may exceed the available amount.



# Checking Disk Space

## Non-Btrfs File Systems

```
df -h
```

## Btrfs Root File Systems

```
btrfs filesystem df /
```

```
df -h /
```

# Supported Upgrade Paths

- Cross-architecture upgrades are not supported.
- SLES 10: There is no supported direct migration path to SLES 12. A fresh installation is recommended instead.
- SLES 11 GA, SP1 or SP2: There is no supported direct migration path to SLES 12. (GA -> SP1 -> SP2 -> SP3)

# Supported Upgrade Paths

- SLES 11 SP3 or SP4: Upgrading manually or migrating automatically
- SLES 12 GA: Service pack migration

# Upgrading Manually

- Boot from an installation source
  - Local installation medium
  - Network installation source (boot from local media or PXE)
- Select Upgrade (instead of Installation)

# Upgrading Automatically

- Copy the kernel and the initrd from the installation media
- Modify the grub menu.lst
- Reboot the machine
- Proceed with the usual upgrade process or add `autoupgrade=1` as kernel parameter

# SP Migration Online

- Supported Scenarios
  - SCC, SMT or SUSE Manager
  - SLES 12

# Tools

- zypper migration
- Plain zypper
- yast2 migration
- SUSE Manager