

SLES 12 SP Migration

Adfinis**sy**Group

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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

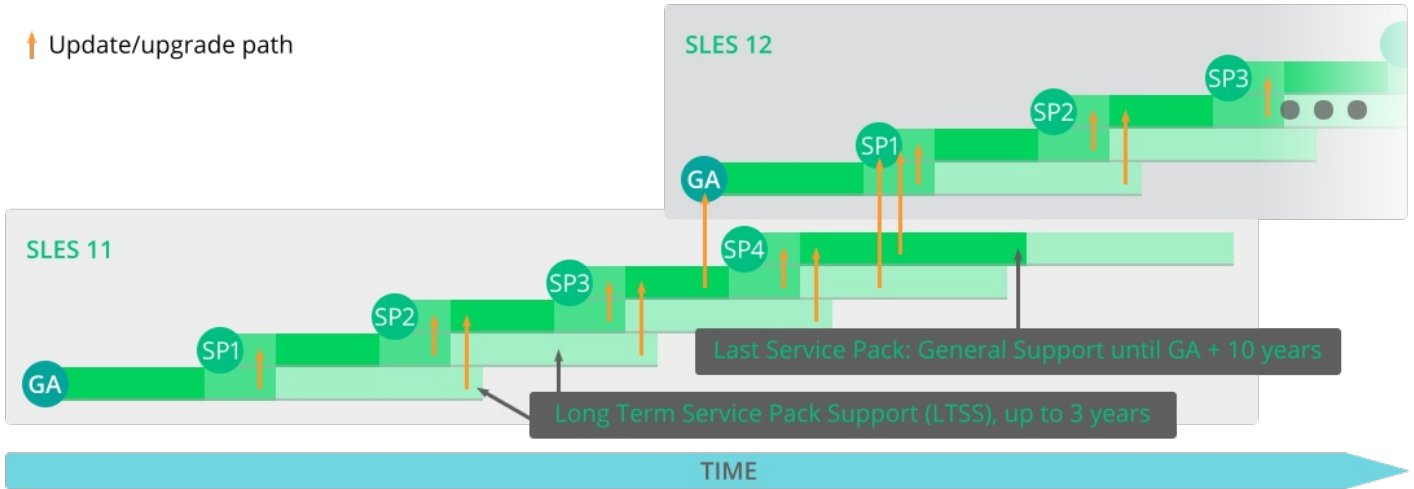
Product Life Cycle



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

Upgrade Path

↑ Update/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

Hands-on :: SP Migration 10

Feel Free to Contact Us

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