

# Upgrading SLE

## From SLE 11 SP3 to SLE 11 SP4

Taken from <https://www.suse.com/support/kb/doc.php?id=7016711>.

- `zypper ref -s`
- `zypper update -t patch`
- `zypper update -t patch` (again)
- `zypper se -t product | grep -h - "-migration" | cut -d\| -f2`
- A sample output could be as follows: `SUSE_SLES-SP4-migration`
- `zypper in -t product sle-sdk-SP4-migration SUSE_SLES-SP4-migration` (modify from what is shown in above command)
- `suse_register -d 2 -L /root/.suse_register.log`
- `zypper ref -s`
- `zypper lr`
- `zypper mr -disable <repo-alias>` any repos that are not needed
- `zypper dup -from SLES11-SP4-Pool -from SLES11-SP4-Updates` plus other repos as needed
- `suse_register -d 2 -L /root/.suse_register.log`
- Reboot the machine

## From SLE 12 to SLE 12 SP1

Taken from [https://www.suse.com/documentation/sles-12/book\\_sle\\_deployment/data/sec\\_update\\_migr\\_zypper\\_onlinemigr.html](https://www.suse.com/documentation/sles-12/book_sle_deployment/data/sec_update_migr_zypper_onlinemigr.html).

- Install the latest updates.
- Install the packages `zypper-migration-plugin` and their dependencies.
- Run the zypper migration: `zypper migration`.
- Review all the changes, especially the packages that are going to be removed. Proceed by typing `y`.
- After successful migration restart your system.

# Slow Boot Issues after Service Pack Migration

Check the boot loader in YaST for incorrect drive names both for the boot device and the kernel parameters.

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