

OpenSUSE/SUSE: Leap 15.1 Update Experience, Btrfs in YaST, SUSECON and SUSE GSI Partner Forum

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- [The openSUSE Leap 15.1 update experience](#) [2]

My desktop is a HP Pavilion Power 580-146nd. This is a midsize PC with an AMD Ryzen 5 1400 CPU, an AMD Radeon RX 580 GPU, 16 GB of RAM, a 128 GB M.2 SSD and a 1 TB 7200rpm HDD.

I used the same USB thumbstick. After selecting ?Update? from the boot menu, the whole screen went black. And then nothing happened. Since I have installed openSUSE many times before, I quickly realized that this must be a graphics issue. I used ?nomodeset? in the past to get around that issue. This causes the installer to go back to the most basic graphics settings but it also means I could finish the update.

It used to be a lot easier to edit the boot options. However, this is now hidden. This post on Stack Exchange (2) gives a great explanation how to enable nomodeset, both as a one-time option and as a permanent option.

For the permanent enablement of nomodeset I know an easier way: in YaST look for the module ?Boot Loader? and in the Kernel Parameters tab, you can edit the boot command. This was the route that I took to make nomodeset a permanent boot setting.

- [Getting further with Btrfs in YaST](#) [3]

Since the YaST team rewrote the software stack for managing the storage devices, we have been adding and presenting new capabilities in that area regularly. That includes, among other features, the unpaired ability to format and partition all kind of devices and the possibility of creating and managing Bcache devices. Time has come to present another largely awaited

feature that is just landing in openSUSE Tumbleweed: support for multi-device Btrfs file systems.

As our usual readers surely know, Btrfs is a modern file system for Linux aimed at implementing advanced features that go beyond the scope and capabilities of traditional file systems. Such capabilities include subvolumes (separate internal file system roots), writable and read-only snapshots, efficient incremental backup and our today's special: support for distributing a single file system over multiple block devices.

- [openSUSE's YaST Now Supports Multi-Device Btrfs Setups](#) [4]

For those wanting to install openSUSE Tumbleweed on a system where a single Btrfs file-system spans multiple block devices, that's now easily possible with the latest YaST. This includes the abilities for just a simple file-system spanning multiple devices to data duplication to the various RAID levels natively supported by Btrfs.

- [An application a year to an application a week on AWS](#) [5]

At the recent SUSECON conference in Nashville, Ryan Niksch from AWS discussed how shifting the focus from writing code to deploying applications to production has become more critical as business agility tops the list of customer requirements. He then introduces the benefits of Cloud Foundry in general, and SUSE Cloud Application Platform specifically, including the AWS service broker; its benefits are that it is a containerized distribution of Cloud Foundry that can very quickly and easily be deployed to AWS using a Quick Start template.

- [THE Forum exclusively for GSI Partners!](#) [6]

This year's SUSE GSI Partner Forum will feature all these ? you won't want to miss it!

[SUSE](#)

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[1] <http://www.tuxmachines.org/taxonomy/term/117>

[2] <https://www.fossadventures.com/the-opensuse-leap-15-1-update-experience/>

[3] <https://lizards.opensuse.org/2019/06/19/getting-further-with-btrfs-in-yast/>

[4] https://www.phoronix.com/scan.php?page=news_item&px=SUSE-YaST-Btrfs-Multi-Device

[5] <https://www.suse.com/c/an-application-a-year-to-an-application-a-week-on-aws/>

[6] <https://www.suse.com/c/gsi-partner-forum-2019-the-forum-exclusively-for-gsi-partners/>