

# ZFS on root in Ubuntu 19.10



## Ubuntu 19.10

Just read about ZFS making it into [Ubuntu 19.10](#) installer as an experimental feature [here](#), sounds pretty cool!

## What is ZFS?

ZFS (originally called Zettabyte File System) is a revolutionary filesystem introduced by Sun Microsystems in 2005. ZFS took a few years to crystallise and was eventually shipped with Solaris 10 in 2009. It brought a number of fresh ideas to the world of enterprise storage and [ZFS management of filesystems](#):

- new parity checking modes, even more reliable than RAID5/RAID6
- storage pool that can consist of different sized disks (typically you expect all disks to be of the same size and model)
- self-healing

- extra focus on the data consistency on disk – meaning ZFS caters for typical software and hardware errors
- smart implementation and use of filesystem journaling
- snapshots
- data deduplication

## ZFS in Ubuntu 19.10

To be clear, this is big deal not because ZFS is finally available in Ubuntu – it's been around for quite some time thanks to the [ZFS on Linux](#) project. But this is the first time native support will be available in [Ubuntu](#) installer and also allow you to not just ZFS enable data disks but use it for root partition.

## See Also

- My [Solaris Blog](#)
- [ZFS example](#)
- [Managing ZFS filesystems](#)
- [Solaris 10 \(which introduced ZFS\)](#)