

Btrfs Authenticated File-System Support Looks To Be Revived

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Last year a SUSE developer sent out a set of patches adding authentication support to the Btrfs file-system. Btrfs already has checksums on meta-data blocks and data blocks while the original implementation of these authentication patches was performing HMAC on a SHA256 checksum as a keyed hash. A proper key in turn is then needed to mount a verified file-system.

That Btrfs authentication support wasn't picked up at the time and the SUSE engineer, Johannes Thumshirn, since left the company. But following new inquiries over the work, it sounds like it will be revived for this authentication that could be used for the likes of embedded devices and containers.

[3]

Also: [Linux 5.8 Seeing The Preliminary Changes Ahead Of RISC-V EFI Support](#) [4]

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Links:

[1] <http://www.tuxmachines.org/taxonomy/term/63>

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

[3] https://www.phoronix.com/scan.php?page=news_item&px=Btrfs-Authentication-2020

[4] https://www.phoronix.com/scan.php?page=news_item&px=RISC-V-EFI-Linux-5.8-Prep