Rocky Enterprise Linux 9.2 Manual Pages on command 'systemd-growfs@.service.8'

$ man systemd-growfs@.service.8

SYSTEMD-MAKEFS@.SERVICE(8) systemd-makefs@.service SYSTEMD-MAKEFS@.SERVICE(8)

NAME

　　systemd-makefs@.service, systemd-mkswap@.service, systemd-

　　growfs@.service, systemd-makefs, systemd-growfs - Creating and growing

　　file systems on demand

SYNOPSIS

　　systemd-makefs@device.service

　　systemd-mkswap@device.service

　　systemd-growfs@mountpoint.service

　　/usr/lib/systemd/systemd-makefs

　　/usr/lib/systemd/systemd-growfs

DESCRIPTION

　　systemd-makefs@.service, systemd-mkswap@.service, and

　　systemd-growfs@.service are used to implement the x-systemd.makefs and

　　x-systemd.growfs options in fstab(5), see systemd.mount(5). They are

　　instantiated for each device for which the file system or swap

　　structure needs to be initialized, and for each mount point where the

　　file system needs to be grown.

These services are started at boot, either right before or right after the mount point or swap device are used.

systemd-makefs knows very little about specific file systems and swap devices, and after checking that the block device does not already contain a file system or other content, it will execute binaries specific to each filesystem type (/sbin/mkfs.type or /sbin/mkswap). For certain file system types (currently ext2/ext3/ext4(5), btrfs(5), xfs(5), f2fs, vfat) and for swap devices, it will configure reasonable defaults and set the file system label and UUID based on the device name.

systemd-growfs knows very little about specific file systems and swap devices, and will instruct the kernel to grow the mounted filesystem to full size of the underlying block device. Nevertheless, it needs to know the ioctl(2) number specific to each file system, so only certain types are supported. Currently: ext4(5), btrfs(5), xfs(5), and dm-crypt partitions (see cryptsetup(8)).

If the creation of a file system or swap device fails, the mount point or swap is failed too. If the growing of a file system fails, a warning is emitted.

SEE ALSO

systemd(1), systemd.mount(8), systemd-fstab-generator(8), systemd-repart(8), mkfs.btrfs(8), mkfs.cramfs(8), mkfs.ext4(8), mkfs.fat(8), mkfs.hfsplus(8), mkfs.minix(8), mkfs.ntfs(8), mkfs.xfs(8)