NAME

resize_reiserfs − resizer tool for the ReiserFS filesystem

SYNOPSIS

resize_reiserfs [**−s** [+|−]*size***[K|M|G]**] [**−j** *dev*] [**−fqv**] *device*

DESCRIPTION

The **resize_reiserfs** tool resizes an unmounted reiserfs file system. It enlarges or shrinks an reiserfs file system located on a *device* so that it will have *size* bytes or size=old_size +(−) *size* bytes if the + or − prefix is used. If the **−s** option is not specified, the filesystem will be resized to fill the given device. The *size* parameter may have one of the optional modifiers **K**, **M**, **G**, which means the *size* parameter is given in kilo−, mega−, gigabytes respectively.

The **resize_reiserfs** program does not manipulate the size of the device. If you wish to enlarge a filesystem, you must make sure you expand the underlying device first. This can be done using **cfdisk**(8) for partitions, by deleting the partition and recreating it with a larger size (assuming there is free space *after* the partition in question). Make sure you re−create it with the same starting disk cylinder as before! Otherwise, the resize operation will certainly not work, and you may lose your entire filesystem.

The **resize_reiserfs** program allows to grow a reiserfs on-line if there is a free space on block *device.*

If you wish to shrink a reiserfs partition, first use **resize_reiserfs** to shrink the file system. You may then use **cfdisk**(8) to shrink the device. When shrinking the size of the device, make sure you do not make it smaller than the reduced size of the reiserfs filesystem.

OPTIONS

−s [+|−]*size*
　　　　Set the new size in bytes.

−j *dev*　Set the journal device name.

−f　　　Force, do not perform checks.

−q　　　Do not print anything but error messages.

−v　　　Turn on extra progress status messages (default).

RETURN VALUES

0　　　　Resizing successful.

−1　　　Resizing not successful.

EXAMPLES

The following example shows how to test **resize_reiserfs**. Suppose 2Gb reiserfs filesystem is created on the device /dev/hda8 and is mounted on /mnt. For shrinking the device we need to unmount it first, then run **resize_reiserfs** with a *size* parameter (in this case -1Gb):

```
df
umount /mnt
resize_reiserfs −s −1G /dev/hda8
mount /dev/hda8 /mnt
df /mnt
```

AUTHOR

This version of **resize_reiserfs** has been written by Alexander Zarochentcev <zam@namesys.com>.

BUGS

Please report bugs to the ReiserFS developers <reiserfs-devel@vger.kernel.org>, providing as much information as possible--your hardware, kernel, patches, settings, all printed messages; check the syslog file for

any related information.

SEE ALSO

   cfdisk(8), **reiserfsck**(8), **debugreiserfs**(8)