

NAME

debugreiserfs – The debugging tool for the ReiserFS filesystem.

SYNOPSIS

debugreiserfs [**-dDJmoqpuSV**] [**-j** *device*] [**-B** *file*] [**-1** *N*]

device

DESCRIPTION

debugreiserfs sometimes helps to solve problems with reiserfs filesystems. When run without options it prints the super block of the ReiserFS filesystem found on the *device*.

device is the special file corresponding to the device (e.g /dev/hdXX for an IDE disk partition or /dev/sdXX for a SCSI disk partition).

OPTIONS

-j *device*

prints the contents of the journal. The option **-p** allows it to pack the journal with other metadata into the archive.

-J prints the journal header.

-d prints the formatted nodes of the internal tree of the filesystem.

-D prints the formatted nodes of all used blocks of the filesystem.

-m prints the contents of the bitmap (slightly useful).

-o prints the objectid map (slightly useful).

-B *file* takes the list of bad blocks stored in the internal ReiserFS tree and translates it into an ascii list written to the specified file.

-1 *blocknumber*

prints the specified block of the filesystem.

-p extracts the filesystem's metadata with **debugreiserfs -p /dev/xxx | gzip -c > xxx.gz**. None of your data are packed unless a filesystem corruption presents when the whole block having this corruption is packed. You send us the output, and we use it to create a filesystem with the same structure as yours using **debugreiserfs -u**. When the data file is not too large, this usually allows us to quickly reproduce and debug the problem.

-u builds the ReiserFS filesystem image with **gunzip -c xxx.gz | debugreiserfs -u /dev/image** of the previously packed metadata with **debugreiserfs -p**. The result image is not the same as the original filesystem, because mostly only metadata were packed with **debugreiserfs -p**, but the filesystem structure is completely recreated.

-S When **-S** is not specified **-p** deals with blocks marked used in the filesystem bitmap only. With this option set **debugreiserfs** will work with the entire device.

-q When **-p** is in use, suppress showing the speed of progress.

AUTHOR

This version of **debugreiserfs** has been written by Vitaly Fertman <vitaly@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

reiserfsck(8), **mkreiserfs(8)**