

IBM's Journaled File System (JFS) for Linux

JFS Homepage: <http://jfs.sourceforge.net/>

The following mount options are supported:

(*) == default

`iocharset=name`

Character set to use for converting from Unicode to ASCII. The default is to do no conversion. Use `iocharset=utf8` for UTF-8 translations. This requires `CONFIG_NLS_UTF8` to be set in the kernel `.config` file. `iocharset=none` specifies the default behavior explicitly.

`resize=value`

Resize the volume to `<value>` blocks. JFS only supports growing a volume, not shrinking it. This option is only valid during a remount, when the volume is mounted read-write. The `resize` keyword with no value will grow the volume to the full size of the partition.

`nointegrity`

Do not write to the journal. The primary use of this option is to allow for higher performance when restoring a volume from backup media. The integrity of the volume is not guaranteed if the system abnormally abends.

`integrity(*)`

Commit metadata changes to the journal. Use this option to remount a volume where the `nointegrity` option was previously specified in order to restore normal behavior.

`errors=continue`

Keep going on a filesystem error.

`errors=remount-ro(*)`

Remount the filesystem read-only on an error.

`errors=panic`

Panic and halt the machine if an error occurs.

`uid=value`

Override on-disk uid with specified value

`gid=value`

Override on-disk gid with specified value

`umask=value`

Override on-disk umask with specified octal value. For directories, the execute bit will be set if the corresponding read bit is set.

`discard=minlen, discard/nodiscard(*)`

This enables/disables the use of discard/TRIM commands. The discard/TRIM commands are sent to the underlying block device when blocks are freed. This is useful for SSD devices and sparse/thinly-provisioned LUNs. The FITRIM ioctl command is also available together with the `nodiscard` option. The value of `minlen` specifies the minimum blockcount, when a TRIM command to the block device is considered useful. When no value is given to the `discard` option, it defaults to 64 blocks, which means 256KiB in JFS. The `minlen` value of `discard` overrides the `minlen` value given on an FITRIM ioctl().

The JFS mailing list can be subscribed to by using the link labeled "Mail list Subscribe" at our web page <http://jfs.sourceforge.net/>