NAME

erofs − the Enhanced Read-Only File System

DESCRIPTION

erofs is a create-once read-only filesystem, with support for compression and a multi-device backing store.

There are two inode formats:

- 32-byte compact with 16-bit UID/GID, 32-bit file size, and no file times
- 64-byte extended with 32-bit UID/GID, 64-bit file size, and a modification time (*st_mtim*).

Mount options

user_xattr
nouser_xattr
: Controls whether *user* extended attributes are exposed. Defaults to yes.

acl
noacl Controls whether POSIX **acl**(5)s are exposed. Defaults to yes.

cache_strategy=**disabled**|**readahead**|**readaround**
: Cache allocation for compressed files: never, if reading from start of file, regardless of position. Defaults to **readaround**.

dax
dax=**always**|**never**
: Direct Access control. If **always** and the source device supports DAX, uncompressed non-inlined files will be read directly, without going through the page cache. **dax** is a synon ym for **always**. Defaults to unset, which is equivalent to **never**.

device=*blobdev*
: Add extra device holding some of the data. Must be given as many times and in the same order as **−−blobdev** was to **mkfs.erofs**(1).

domain_id=*did*
fsid=*id* Control CacheFiles on-demand read support. To be documented.

VERSIONS

erofs images are versioned through the use of feature flags; these are listed in the **−E** section of **mkfs.erofs**(1),

CONFIGURATION

Linux must be configured with the **CONFIG_EROFS_FS** option to mount EROFS filesystems. There are sub-configuration items that restrict the availability of some of the parameters above.

SEE ALSO

mkfs.erofs(1), **fsck.erofs**(1), **dump.erofs**(1)

Documentation/filesystems/erofs.rst in the Linux source.