**static unsigned int ecryptfs\_miscdev\_poll(struct file \*file, poll\_table \*pt)**

根据current\_euid()和current\_user\_ns()找到对应daemon。

daemon->flags |= ECRYPTFS\_DAEMON\_IN\_POLL;

poll\_wait(file, &daemon->wait, pt);

daemon->flags &= ~ECRYPTFS\_DAEMON\_IN\_POLL;

**static int ecryptfs\_miscdev\_open(struct inode \*inode, struct file \*file)**

if (daemon->pid != task\_pid(current))

daemon->flags |= ECRYPTFS\_DAEMON\_MISCDEV\_OPEN;

atomic\_inc(&ecryptfs\_num\_miscdev\_opens);

**static int ecryptfs\_miscdev\_release(struct inode \*inode, struct file \*file)**

daemon->flags &= ~ECRYPTFS\_DAEMON\_MISCDEV\_OPEN;

atomic\_dec(&ecryptfs\_num\_miscdev\_opens);

ecryptfs\_exorcise\_daemon

**int ecryptfs\_send\_miscdev(char \*data, size\_t data\_size,**

**struct ecryptfs\_msg\_ctx \*msg\_ctx, u8 msg\_type,**

**u16 msg\_flags, struct ecryptfs\_daemon \*daemon)**

为msg\_ctx->msg分配内存，填写index，data\_len，type，复制data，并通过msg\_ctx->daemon\_out\_list链接到daemon的msg\_ctx\_out\_queue链表。

**static ssize\_t ecryptfs\_miscdev\_read(struct file \*file, char \_\_user \*buf, size\_t count,loff\_t \*ppos)**

还是根据current\_euid()和current\_user\_ns()找到daemon，从msg\_ctx\_out\_queue上取出消息复制到用户空间。

**static int ecryptfs\_miscdev\_response(char \*data, size\_t data\_size,**

**uid\_t euid, struct user\_namespace \*user\_ns,struct pid \*pid, u32 seq)**

data就是ecryptfs\_message，

**static ssize\_t ecryptfs\_miscdev\_write(struct file \*file, const char \_\_user \*buf,size\_t count, loff\_t \*ppos)**

ecryptfs\_message

**static const struct file\_operations ecryptfs\_miscdev\_fops = {**

**.open = ecryptfs\_miscdev\_open,**

**.poll = ecryptfs\_miscdev\_poll,**

**.read = ecryptfs\_miscdev\_read,**

**.write = ecryptfs\_miscdev\_write,**

**.release = ecryptfs\_miscdev\_release,**

**.llseek = noop\_llseek,**

**};**

**static struct miscdevice ecryptfs\_miscdev = {**

**.minor = MISC\_DYNAMIC\_MINOR,**

**.name = "ecryptfs",**

**.fops = &ecryptfs\_miscdev\_fops**

**};**

**int \_\_init ecryptfs\_init\_ecryptfs\_miscdev(void)**

**void ecryptfs\_destroy\_ecryptfs\_miscdev(void)**