
Subject: Re: [PATCH 1/2] eCryptfs: Introduce device handle for userspace daemon communications

Posted by [serue](#) on Tue, 15 Apr 2008 21:34:02 GMT

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Quoting Andrew Morton (akpm@linux-foundation.org):

> On Tue, 15 Apr 2008 15:23:13 -0500

> Michael Halcrow <mhalcrow@us.ibm.com> wrote:

>

> > Functions to facilitate reading and writing to the eCryptfs
> > miscellaneous device handle. This will replace the netlink interface
> > as the preferred mechanism for communicating with the userspace
> > eCryptfs daemon.

> >

> > Each user has his own daemon, which registers itself by opening the
> > eCryptfs device handle. Only one daemon per euid may be registered at
> > any given time. The eCryptfs module sends a message to a daemon by
> > adding its message to the daemon's outgoing message queue. The daemon
> > reads the device handle to get the oldest message off the queue.

> >

> > Incoming messages from the userspace daemon are immediately
> > handled. If the message is a response, then the corresponding process
> > that is blocked waiting for the response is awakened.

> >

>

> This is a drastic change, but the changelog doesn't tell us why it is being
> made!

>

> > ...

```
> > + rc = ecryptfs_find_daemon_by_euid(&daemon, current->euid);  
> > + if (daemon->pid != current->pid) {  
> > + rc = ecryptfs_find_daemon_by_euid(&daemon, current->euid);  
> > + BUG_ON(current->euid != daemon->euid);  
> > + BUG_ON(current->pid != daemon->pid);
```

>

> This code uses pids and uids all over the place. Will it operate correctly
> in a containerised environment?

Thanks Andrew.

Mike, the pid_t definately needs to be replaced with a struct pid.

As for the euid, it'd be best if you also compared the user_namespace *
to make sure we support one ecryptfs deamon per user namespace.

thanks,
-serge

Containers mailing list
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