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

Posted by [akpm](#) on Tue, 15 Apr 2008 21:04:53 GMT

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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?

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

<https://lists.linux-foundation.org/mailman/listinfo/containers>

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