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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](mailto: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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