
Subject: Problems w/ busybox's init in VPS

Posted by [Enrico Weigelt](#) on Tue, 27 Mar 2007 17:58:06 GMT

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Hi folks,

I've got problems with booting an busybox-based VPS: init does not seem to do anything (at least it does not run the boot scripts) ?

Any suggest what could be wrong here ?

thx

--

Enrico Weigelt == metux IT service - <http://www.metux.de/>

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Subject: Re: Problems w/ busybox's init in VPS

Posted by [Enrico Weigelt](#) on Tue, 27 Mar 2007 18:55:42 GMT

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* Enrico Weigelt <weigelt@metux.de> wrote:

Hi,

> I've got problems with booting an busybox-based VPS: init does
> not seem to do anything (at least it does not run the boot
> scripts) ?

I strace'd a little bit, and there are some strange things going on:

- * init tries to write to fd -1 ! (maybe it didn't get some valid stdio passed on startup)
- * it tries to do some tty specific ioctl()'s on fd 0, which doesn't seem to be an tty (at least it gets ENOTTY)
- * when reading /etc/inittab, it gets fd 0, so it seems no other fd's (ie. stdin, stdout, stderr) are open !
- * when trying to open /dev/console, it gets permission denied.

Any suggest what could be wrong here ?

cu

--

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Subject: Re: Problems w/ busybox's init in VPS
Posted by [kir](#) on Tue, 27 Mar 2007 20:13:46 GMT

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Let's move the discussion to devel@ list. I'm now posting to both, but please remove users@ when replying.

Enrico Weigelt wrote:

> * Enrico Weigelt <weigelt@metux.de> wrote:

>

> Hi,

>

>

>> I've got problems with booting an busybox-based VPS: init does
>> not seem to do anything (at least it does not run the boot
>> scripts) ?

>>

>

> I strace'd a little bit, and there are some strange things
> going on:

>

> * init tries to write to fd -1 ! (maybe it didn't get some
> valid stdio passed on startup)

>

Perhaps it tried to open /dev/console and failed (open() returned -1).

> * it tries to do some tty specific ioctl()'s on fd 0, which
> doesn't seem to be an tty (at least it gets ENOTTY)

>

Again that should probably be /dev/console (in case no fds are open the first successful open() _usually_ returns 0).

> * when reading /etc/inittab, it gets fd 0, so it seems no
> other fd's (ie. stdin, stdout, stderr) are open !

>

This (the absense of stdin/out/err) is probably perfectly valid -- since init does not have a parent process, nobody would read/write those fds.

> * when trying to open /dev/console, it gets permission denied.

>

Ah-ha, probably that is the root of the problem. What if you will create an empty text file named /dev/console?

>

> Any suggest what could be wrong here ?

>

> cu

>
