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Subject: How do I access a serial usb device from a VE?

Posted by [JimL](#) on Thu, 15 Oct 2009 18:43:18 GMT

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I have an embedded processor (Arduino) I want to be able to access from a piece of software that talks with it over a USB connection. I can't seem to figure out how to expose the USB port to a VE.

It's not a disk so bind mount doesn't seem to be the solution.

Thanks,  
Jim.

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Subject: Re: How do I access a serial usb device from a VE?

Posted by [ramjet](#) on Thu, 15 Oct 2009 21:41:53 GMT

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On a 1U HP sever which only has one on-board serial port I added DEVNODES="ttyS0:rw " to the configuration. It's one year ago so I can't remember if I used vzctl:

from vzctl(8):

Device access management

--devnodes device:r|w|rw|none

Give the container an access (r - read only, w - write only, rw - read/write, none - no access) to a device designated by the special file /dev/device. Device file is created in a container by vzctl.

--devices b|c:major:minor|all:[r|w|rw|none]

Give the container an access to a block or character device designated by its major and minor numbers. Device file have to be created manually.

You can also read OpenVZ-Users-Guide.pdf: pg 66 Advanced tasks, Accessing Devices from Inside Virtual Private Server.

You will probably need to add DEVNODES="ttyUSB0:rw" but maybe udev on HN will make it more complicated. I can test it tomorrow at work if above doesn't work for you.

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Subject: Re: How do I access a serial usb device from a VE?

Posted by [JimL](#) on Fri, 16 Oct 2009 12:55:44 GMT

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ramjet wrote on Thu, 15 October 2009 17:41 On a 1U HP sever which only has one on-board serial port I added DEVNODES="ttyS0:rw " to the configuration. It's one year ago so I can't remember if I used vzctl:

You will probably need to add DEVNODES="ttyUSB0:rw" but maybe udev on HN will make it more complicated. I can test it tomorrow at work if above doesn't work for you.

The DEVNODES="ttyUSB0:rw" worked perfectly.

Thanks,  
Jim.

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