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Subject: /proc/driver/nvidia/params content required inside container for CUDA  
Posted by [abufrejoval](#) on Mon, 05 Dec 2016 21:52:46 GMT

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I've installed the patched kernel which makes /proc/modules available inside the container. Now the CUDA runtime executes a couple more steps and fails later on an ioctl() to /dev/nvidiactl. It attempts to read /proc/driver/nvidia/params just before which fails for lack of the /proc/driver hierarchy in the container.

Potentially information contained inside this file is required to execute the ioctl() properly, perhaps the issue sits deeper, I won't know until the kernel is changed to replicate the required files.

I cannot bind mount a host copy of /proc/driver inside the container because I cannot create target directories in the /proc tree and overlay file system support is missing from the VZ7 userland tools, even if the kernel seems to support it.

I've appended comments on JIRA issue OVZ-6834 with strace details but had no response yet.

Sorry to exercise all channels here...

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