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Subject: Re: VE capabilities

Posted by [Vasily Tarasov](#) on Fri, 30 Mar 2007 11:53:37 GMT

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Hello,

well, you can obtain information about what capabilities are on by inspecting /proc/<pid>/status file of any process in VE. For example:

```
[root@white ~]# vzctl enter 1
```

```
entered into VE 1
```

```
[root@white /]# cat /proc/1/status
```

```
Name: init.real
```

```
State: S (sleeping)
```

```
SleepAVG: 98%
```

```
Tgid: 1
```

```
Pid: 1
```

```
PPid: 0
```

```
TracerPid: 0
```

```
FNid: 1
```

```
Uid: 0 0 0 0
```

```
Gid: 0 0 0 0
```

```
FDSize: 256
```

```
Groups: 0 1 2 3 4 6 10
```

```
envID: 1
```

```
VPid: 1
```

```
PNState: 0
```

```
StopState: 0
```

```
VmPeak: 1628 kB
```

```
VmSize: 1624 kB
```

```
VmLck: 0 kB
```

```
VmHWM: 600 kB
```

```
VmRSS: 600 kB
```

```
VmData: 184 kB
```

```
VmStk: 16 kB
```

```
VmExe: 28 kB
```

```
VmLib: 1360 kB
```

```
VmPTE: 16 kB
```

```
Threads: 1
```

```
SigQ: 0/36864
```

```
SigPnd: 0000000000000000
```

```
ShdPnd: 0000000000000000
```

```
SigBlk: 0000000000000000
```

```
SigIgn: ffffffff57f0d8fc
```

```
SigCgt: 00000000280b2603
```

```
SigSvd: 0000000000000000
```

```
CapInh: 000000005dcceeff
```

```
CapPrm: 000000005dcceeff
```

```
CapEff: 000000005dcceeff
```

TaskUB: 1

MMUB: 1

This part concerns capabilities:

CapInh: 000000005dcceeff

CapPrm: 000000005dcceeff

CapEff: 000000005dcceeff

The only question is how to translate these digits into something more meaningful? Well, you can dig in kernel sources and investigate it. You can even write a tool (or kernel patch), that will extract needed information to VE0. Then we'll include it in OpenVZ

Vasily

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