

---

Subject: Re: kernel-debuginfo ovz-kernel; kernel panic

Posted by [paix](#) on Sat, 26 Mar 2011 14:19:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Vasily Averin wrote:

>> 1. Does anybody know, where I can obtain the kernel-debuginfo and  
>> kernel-debuginfo-common packages for stable ovz-kernel ?  
>> (2.6.18-238.5.1.el5.028stab085.2)  
>  
> I'm sorry, build of debuginfo packages is currently broken in spec.  
> however you can rebuild kernel with default config with enabled  
> debuginfo option

Thanks for your reply.

1. First I've realized that the newest version of ovz kernel has appeared.  
And also there is an ovzkernel-debug package present.

Could you tell me, what the package ovzkernel-debug means ?  
Will it enough for debugging the kernel coredump with crash utility ?

2. Following your advice,  
I've rebuilt the kernel with the next way:

```
yum install auto-buildrequires gcc redhat-rpm-config  
wget current_kernel_src.rpm  
rpm -ivh current_kernel_src.rpm
```

```
cd /usr/src/redhat/SPECS/
```

```
set in kernel-ovz.spec:  
%define _without_debuginfo 0
```

```
rpmbuild -bp kernel-ovz.spec  
rpmbuild -ba --target=`uname -i` kernel-ovz.spec
```

And currently I have a choose what kernel version I need to install:

```
# ls -l ../RPMS/x86_64/  
ovzkernel-2.6.18-238.5.1.el5.028stab085.3.x86_64.rpm  
ovzkernel-debug-2.6.18-238.5.1.el5.028stab085.3.x86_64.rpm  
ovzkernel-devel-2.6.18-238.5.1.el5.028stab085.3.x86_64.rpm  
ovzkernel-xen-2.6.18-238.5.1.el5.028stab085.3.x86_64.rpm  
ovzkernel-xen-devel-2.6.18-238.5.1.el5.028stab085.3.x86_64.r pm
```

And I'm a little confused:

use the official openvz builded ovzkernel-debug \ ovzkernel  
or install my own builded kernel ovzkernel or ovzkernel-debug ...

3. It's good for current versions of the kernel, however  
how I can analyze the obtained vmcores from previous kernels?  
To analyze the vmcore with "crash" I need a corresponding mapfile for  
that kernel versions.  
Or there is not a big sense to do this?

>> 2.  
>> After upgrading the server for 16G ram, I started to see a lot of  
>> kernel panics.  
>>  
>>  
> Please catch kernel panic messages and report to [bugzilla.openvz.org](http://bugzilla.openvz.org)  
>  
It says something like this:

RIP [<ffffff802451ae>] rt\_check\_expire +0xea/0x23b  
Kernel panic - not syncing: Fatal exception

I'm not sure that this will be helpful without analyzing of kernel dump.

Thanks a lot!

---