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Subject: Service restart on host system kills same service inside all VEs

Posted by [antoney](#) on Fri, 11 Nov 2011 12:53:34 GMT

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Hello, guys.

Everything is in subject. I'm experiencing this problem on both my openvz hosts. For httpd it happens from time to time, for nrpe - always...

Tell please where should I look.

In /proc/user\_beancounters "failcnt" is 0 for all options.

Anton

---

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Subject: Re: Service restart on host system kills same service insideall VEs

Posted by [Stoyan Stoyanov](#) on Fri, 11 Nov 2011 13:20:10 GMT

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Hi man,

I was used nrpe inside vz containers and on the hn from along time ago and never see behavior like this. Is there some customizations in your nrpe service start/stop scripts or something, I think there is the place too look at why this happens. ... I think this situation is not openvz related in specific, correct me if im wrong

best regs

On Nov 11, 2011, at 2:53 PM, Anton Zaytsev wrote:

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> Anton

>

> <ATT00001.txt>

Stoyan Stoyanov

Core System Administrator

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## File Attachments

1) [maxtelecom-logo.gif](#), downloaded 403 times

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Subject: Re: Service restart on host system kills same service inside all VEs  
Posted by [Gary Wallis](#) on Fri, 11 Nov 2011 13:31:36 GMT

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>

Your service restart script X (/etc/init.d/X) is probably killing processes it should not.

E.g. host system kill will kill processes "inside" the containers.

Cheers,  
Gary

---

---

Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [antoney](#) on Fri, 11 Nov 2011 13:40:58 GMT

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---

Thanks for quick reply.

> Is there some customizations in your nrpe service start/stop scripts or  
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no, all scripts are default. This happens for httpd too.

I suppose it's openvz related. Seems like some misunderstanding between host and ve...

Systems are centos 4 and 5, latest kernels from repo.

On Fri, Nov 11, 2011 at 3:20 PM, Stoyan Stoyanov  
<s.stoianov@maxtelecom.bg>wrote:

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Subject: Re: Service restart on host system kills same service inside all VEs  
Posted by [Stoyan Stoyanov](#) on Fri, 11 Nov 2011 13:52:10 GMT

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---

Like Gary says, the host system just kills the ct's processes (may be in a killall `procesname` style :)))  
so the thing that u should take care is the process's start/stop scripts

On Nov 11, 2011, at 3:40 PM, Anton Zaytsev wrote:

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Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [antoney](#) on Fri, 11 Nov 2011 14:04:25 GMT

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Ok, nrpe init script does "killproc nrpe" and its killing all processes named nrpe, inside containers too. But almost all of init scripts do so. So modify all of them? Looks not so pretty:)

On Fri, Nov 11, 2011 at 3:40 PM, Anton Zajtsev <[anton.zajtsev@gmail.com](mailto:anton.zajtsev@gmail.com)>wrote:

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Subject: Re: Service restart on host system kills same serviceinsideall VEs  
Posted by [Stoyan Stoyanov](#) on Fri, 11 Nov 2011 14:46:45 GMT  
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---

Agree :) it's not so pretty.. but every process from every container  
is a seen process on the host

On Nov 11, 2011, at 4:04 PM, Anton Zaytsev wrote:

> Ok, nrpe init script does "killproc nrpe" and its killing all  
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Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [Tim Small](#) on Fri, 11 Nov 2011 15:37:15 GMT

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On 11/11/11 14:04, Anton Zaytsev wrote:

> Ok, nrpe init script does "killproc nrpe" and its killing all processes  
> named nrpe, inside containers too. But almost all of init scripts do so.  
> So modify all of them? Looks not so pretty:)  
>

Use Debian? I've not seen this broken behaviour with any of Debian's init scripts...

I would say that it's also broken for non-openvz hosts - I've previously run several separate copies of apache and ssh (each with their own init scripts) on a Debian host before, and restarting one hasn't killed the others...

Open bugs against Redhat/CentOS? I'd guess this problem will continue with LXC in the future too...

Tim.

--

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Subject: Re: Service restart on host system kills same serviceinsideall VEs  
Posted by [antoney](#) on Fri, 11 Nov 2011 15:59:26 GMT

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Ok, I've decided to just leave it as is. It's production systems, service restarts are not so often.

So only solution for this issue now is to use host system just as host.

Tim,

Migration to Debian will be not so simple.

Yes, I think it's needed to send bug report to CentOS/Redhat packaging. I

surprised that no one has mentioned this before.

On Fri, Nov 11, 2011 at 4:46 PM, Stoyan Stoyanov  
<s.stoianov@maxtelecom.bg>wrote:

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>> Users mailing list  
>> Users@openvz.org  
>> [https://openvz.org/mailman/\\*\\*listinfo/users](https://openvz.org/mailman/**listinfo/users)<<https://openvz.org/mailman/listinfo/users>>  
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Subject: Re: Service restart on host system kills same service inside all VEs  
Posted by [antoney](#) on Fri, 11 Nov 2011 16:42:53 GMT  
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>  
> Yes, I think it's needed to send bug report to CentOS/Redhat packaging. I  
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I mean this bug)

On Fri, Nov 11, 2011 at 5:59 PM, Anton Zajtsev <[anton.zajtsev@gmail.com](mailto:anton.zajtsev@gmail.com)> wrote:

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>>> [https://openvz.org/mailman/\\*\\*listinfo/users](https://openvz.org/mailman/**listinfo/users)<<https://openvz.org/mailman/listinfo/users>>  
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Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [MailingListe](#) on Fri, 11 Nov 2011 20:42:38 GMT

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Zitat von Anton Zajtsev <anton.zajtsev@gmail.com>:

> Ok, nrpe init script does "killproc nrpe" and its killing all processes

> named nrpe, inside containers too. But almost all of init scripts do so.

> So modify all of them? Looks not so pretty:)

you should not run any services beside maybe SSH on the hardware node.

It is the "root" node and should only be used to manage the VEs. Every

problem you got with any service running at the HN will affect all

VEs. Use the HN only as hypervisor and you are done.

Regards

Andreas

---

### File Attachments

1) [smime.p7s](#), downloaded 416 times

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Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [Sharp](#) on Fri, 11 Nov 2011 22:50:24 GMT

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On Sat, Nov 12, 2011 at 12:42 AM, <lst\_hoe02@kwsoft.de> wrote:

> you should not run any services beside maybe SSH on the hardware node. It is  
> the "root" node and should only be used to manage the VEs.

That's bad advice. It's generally good idea to run things like nrpe  
and munin on HN to monitor it's performance and status.

--

SY, Ilya A. Otyutskiy aka Sharp

---

---

Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [MailingListe](#) on Sat, 12 Nov 2011 19:24:23 GMT

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Zitat von "Ilya A. Otyutskiy" <sharp@thesharp.ru>:

> On Sat, Nov 12, 2011 at 12:42 AM, <lst\_hoe02@kwsoft.de> wrote:  
>> you should not run any services beside maybe SSH on the hardware node. It is  
>> the "root" node and should only be used to manage the VEs.  
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> That's bad advice. It's generally good idea to run things like nrpe  
> and munin on HN to monitor it's performance and status.

If this "things" or the start/stop scripts used tend to kill all kind  
of processes not belonging to them it \*is\* a really bad idea to run  
such "things" on the HN. You should only use software absolutely  
needed and really trustworth at the HN. Do all other things in the VE.  
This even apply monitor software.  
If you do not agree, do not complain about the problems arise.

Regards

Andreas

---

### File Attachments

1) [smime.p7s](#), downloaded 417 times

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Subject: Re: Service restart on host system kills same service insideall VEs  
Posted by [Sharp](#) on Sun, 13 Nov 2011 10:50:42 GMT

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On Sat, Nov 12, 2011 at 11:24 PM, <lst\_hoe02@kwsoft.de> wrote:  
> If this "things" or the start/stop scripts used tend to kill all kind of  
> processes not belonging to them it \*is\* a really bad idea to run such  
> "things" on the HN.

So you are suggesting to throw those useful "things" away instead of patching their init-scripts and sending them to upstream?

- > You should only use software absolutely needed and
- > really trustworth at the HN. Do all other things in the VE. This even apply
- > monitor software.

Maybe you will tell us how to monitor something like HN's disk space from VE? :)

--

SY, Ilya A. Otyutskiy aka Sharp

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Subject: Re: Service restart on host system kills same serviceinsideall VEs  
Posted by [Aleksandar Ivanisevic](#) on Mon, 14 Nov 2011 09:57:55 GMT  
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Anton Zajtsev <[anton.zajtsev@gmail.com](mailto:anton.zajtsev@gmail.com)>  
writes:

- > Ok, I've decided to just leave it as is. It's production systems, service
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- > So only solution for this issue now is to use host system just as host.
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- > Tim,
- > Migration to Debian will be not so simple.
- > Yes, I think it's needed to send bug report to CentOS/Redhat packaging. I
- > surprised that no one has mentioned this before.

[...]

It gets mentioned every once in a while, but this is a general problem with centos init scripts and/or most init scripts in general, they are mostly written to assume a single instance of the service.

The solution is simply to run as little as possible on the host, and to fix the scripts for the stuff you need to run. Painful, but unavoidable. Maybe if you submit a patch to rhel, it could maybe make it into a release in a couple of years ;)

--

Ti si arogantan, prepotentan i peglaš vlastitu frustraciju. -- Ivan  
Tišljar, hr.comp.os.linux

---

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Subject: Re: Re: Service restart on host system kills same serviceinsideall VEs

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Posted by [antoney](#) on Mon, 14 Nov 2011 16:46:54 GMT

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I've submitted the bug to RHEL.

[https://bugzilla.redhat.com/show\\_bug.cgi?id=753834](https://bugzilla.redhat.com/show_bug.cgi?id=753834)

Yes for now it's only to limit services on the host.

On Mon, Nov 14, 2011 at 11:57 AM, Aleksandar Ivanisevic <[aleksandar@ivanisevic.de](mailto:aleksandar@ivanisevic.de)> wrote:

> Anton Zaytsev <[anton.zajtsev@gmail.com](mailto:anton.zajtsev@gmail.com)>

> writes:

>

> > Ok, I've decided to just leave it as is. It's production systems, service

> > restarts are not so often.

> > So only solution for this issue now is to use host system just as host.

> >

> > Tim,

> > Migration to Debian will be not so simple.

> > Yes, I think it's needed to send bug report to CentOS/Redhat packaging. I

> > surprised that no one has mentioned this before.

>

> [...]

>

> It gets mentioned every once in a while, but this is a general problem

> with centos init scripts and/or most init scripts in general, they are

> mostly written to assume a single instance of the service.

>

> The solution is simply to run as little as possible on the host, and

> to fix the scripts for the stuff you need to run. Painful, but

> unavoidable. Maybe if you submit a patch to rhel, it could maybe make

> it into a release in a couple of years ;)

>

>

> --

> Ti si arogantan, prepotentan i peglaš vlastitu frustraciju. -- Ivan

> Tišljär, [hr.comp.os.linux](http://hr.comp.os.linux)

>

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Subject: Re: Re: Service restart on host system kills same serviceinsideall VEs

Posted by [Tim Small](#) on Mon, 14 Nov 2011 17:56:35 GMT

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On 14/11/11 16:46, Anton Zaytsev wrote:

> I've submitted the bug to RHEL.

> [https://bugzilla.redhat.com/show\\_bug.cgi?id=753834](https://bugzilla.redhat.com/show_bug.cgi?id=753834)

>  
> Yes for now it's only to limit services on the host.  
>

To get this bug taken more seriously, I would be more concrete.

e.g. give the name of an init script which fails, and corresponding rpm which it shipped with.

Give the example of a development server which runs multiple copies of said service for multiple developers (with separate config/data/pid files). Say that restarting the system service kills all copies.

paste in some shell history exhibiting this behaviour.

I'd also mention that Debian, Ubuntu etc. doesn't exhibit this behaviour e.g. search for "and that they don't kill unfortunately-named user processes" in <http://www.debian.org/doc/debian-policy/ch-opersys.html>

Cheers,

Tim.

--

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Subject: Re: Service restart on host system kills same serviceinsideall VEs  
Posted by [Aleksandar Ivanisevic](#) on Tue, 15 Nov 2011 09:43:49 GMT  
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Anton Zajtsev <[anton.zajtsev@gmail.com](mailto:anton.zajtsev@gmail.com)>  
writes:

> I've submitted the bug to RHEL.  
> [https://bugzilla.redhat.com/show\\_bug.cgi?id=753834](https://bugzilla.redhat.com/show_bug.cgi?id=753834)

Eh, you have filed it against EL4, which is going to be EOled in 3 months ;)

---