Subject: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by viadck on Fri, 10 Jul 2026 11:21:43 GMT
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Hello everyone,

The current situation regarding the GhostLock root exploit (CVE-2026-43499) has reached a critical bottleneck for hosting providers running production workloads on OpenVZ 7.

According to official ecosystem roadmaps, OpenVZ 7 is supposed to remain supported. Yet, we are currently facing a severe, host-breaking local privilege escalation vulnerability with no clear path to mitigation or patching for open-source OpenVZ users.

The Corporate & Licensing Trap

Let's look at the reality of the WebPros ecosystem:

1. Virtuozzo maintains OpenVZ.

2. WebPros owns Virtuozzo, as well as SolusVM, which is actively licensed as management software for KVM and OpenVZ VPS nodes.

3. Due to internal corporate partnerships, third-party tools like KernelCare do not support OpenVZ 7, pointing users directly to Virtuozzo's native ReadyKernel instead.

This has created an absolute trap. My production host nodes are fully up to date on disk, running the latest stable release: 3.10.0-1160.119.1.vz7.224.4. However, running readykernel info yields Loaded patches: 0. Why? Because WebPros/Virtuozzo gatekeeps the live patch repository behind licensing channels that SolusVM/OpenVZ customers are not even given an option to purchase or order in their portals.

SolusVM support is currently deflecting tickets by stating that OpenVZ 7 security coverage is uncertain and that it's a "vendor issue." WebPros is the vendor for both sides of this equation. You cannot license orchestration software for a virtualization tier, block third-party security vendors, and then completely abandon the community when a major exploit hits.

If anyone from Virtuozzo or WebPros engineering is monitoring this forum, we need an official kernel update pushed to the public repositories immediately, or the ReadyKernel patch channels opened up for this critical CVE.

Leaving paying ecosystem customers stranded with an active root exploit because of broken licensing workflows is unacceptable.

Kind regards!

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by dmc_dtc on Sun, 12 Jul 2026 00:44:31 GMT
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I am not related nor associated with OpenVZ team, just a long time user here.

I knew this would happen sooner or later - some big vulnerability and no patch form OpenVZ (yet)... Last time we got lucky because kernel 3.10 was not affected by copyfail and some other vulnerabilities.

So i did some research when copyfail striked, and found out their OpenVZ repo on bitbucket where they are still actually commit patches before release (latest is in april 2026)

you can download latest branch (as of this writing) from
https://bitbucket.org/openvz/vzkernel/src/branch-rh7-3.10.0- 1160.129.1.vz7.226.x-ovz/

Use

git clone -b branch-rh7-3.10.0-1160.129.1.vz7.226.x-ovz --single-branch --depth 1 https://YOURUSERNAME@bitbucket.org/openvz/vzkernel.git

Then you have latest unreleased OpenVZ kernel

So latest official release is 1160.119 - But in this repo it is 129 version - there are already patches missing from official release but nevertheless there is no patch for GhostLock (yet)

So - i made one with help of Claude :d and apparently i was successful but still haven't tested it in production to see if every software that uses mutex works - but proof of concept from nebula no longer works and all tests show that all mutex related things works, so i think this should work.. of course, consider this no warranty and not 100% tested patch but it seems to work - use on your own responsibility - here is instruction how to compile your own kernel with GhockLock patched on OpenVZ 7 (Should work on vanilla CentOS 7 too)

git clone -b branch-rh7-3.10.0-1160.129.1.vz7.226.x-ovz --single-branch --depth 1 https://USERNAME@bitbucket.org/openvz/vzkernel.git

cd vzkernel
patch -p0 kernel/rtmutex.c < /patch/CVE-2026-43499-vzkernel3.10.patch (or just overwrite rtmutex.c from my attachments)
cp config.OpenVZ .config
make olddefconfig
make -j10 bzImage
make -j10 modules
make modules_install
cp arch/x86/boot/bzImage /boot/vmlinuz-3.10.0-1160.129.1.ovz7.226.2
dracut /boot/initramfs-3.10.0-1160.129.1.ovz7.226.2.img 3.10.0-1160.129.1.ovz7.226.2
grub2-mkconfig -o /boot/grub2/grub.cfg (or if EFI then EFI path)

Thats it .. make new kernel default and reboot into kernel
best to do it on test env to see if it works

If anyone have better solution or if ive made some critical mistake i will be glad to hear and correct... perhaps i will make .rpm or some repo .. i am just lazy ATM, still waiting to see if OpenVZ team is going to do something officially before i do something on my own.... If they dont patch this then this project is really dead and migrate ASAP, but i have a feeling we will see patch soon.

Have fun!

File Attachments

1) CVE-2026-43499-vzkernel3.10.patch, downloaded 181 times
2) rtmutex.c, downloaded 183 times

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by viadck on Sun, 12 Jul 2026 09:00:58 GMT
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Thanks for sharing the patch but it's not possible to download it, it gives a 403 error. Maybe you could upload it somewhere for us to download it and do some tests?

On the other hand, let's hope openvz offers an official patch for this very urgent issue. Crossing fingers.

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by dmc_dtc on Sun, 12 Jul 2026 11:44:50 GMT
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Yeah, yesterday i had same problem, you are left with error 403 when you try to click on attachments, but if you go to URL of attached file in browser and click enter in the address bar after url of attachment - the download start - In any case i've created github page so anyone can try

https://github.com/dmcdtc/openvz-cve-patch-2026

I am planning to make .rpms of kernel made form .src.rpm official one, i made one for CentOS7 yesterday and it seems to work, just the source of my OpenVZ kernel will probably be 119 version (src.rpm) and i will add this patch so i can get binary kernel files. Again, i will wait few days for official patch before i do this kind of work, in the meantime you can use this patch for some important server.

EDIT: ive posted kernel.spec patch and binary kernel releases build with that spec.. so basically you just need to rpm -i vzkernel-3.10.0-1160.119.1.vz7.224.4.custom.x86_64.rpm - just for security reasons it is probably safer to build it your self with my patch and spec to be sure no other files were modified..

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by wad486 on Tue, 14 Jul 2026 18:48:03 GMT
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Hi @dmc_dtc,
Great work!

We're in the same boat here with no official patches yet. Can you confirm if the PoC actually works on OpenVZ 7? I haven't been able to find any documentation or guide on how to compile or test it. Do you happen to have the steps?

I wanted to check my system's vulnerability based on this article (https://linuxjust4u.com/linux/ghostlock-cve-2026-43499-linux -futex-root-exploit-fix/), which mentions that running grep CONFIG_FUTEX_PI /boot/config-$(uname -r) should return CONFIG_FUTEX_PI=y.

Interestingly, I get that output on my AlmaLinux 9 hosts, but it returns nothing on OpenVZ 7. I suspect it might just be that the kernel config file isn't stored in /boot/ on OVZ7 by default, rather than the kernel being immune.

Any insights on this would be highly appreciated. Thanks!

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by HHawk on Mon, 20 Jul 2026 07:39:43 GMT
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For those interested. I contacted the support team (Virtuozzo / OpenVZ) past Friday about this.

I received an email back from Denis V. Lunev (and Konstantin Khorenko in CC) that they pushed a fix to the 226 kernel. They stated that they hoped it will be available on previous Friday (didn't arrive unfortuntely) or early this week. So hoping it will be released as soon as possible.

@khorenko; any news on this matter? Thank you and sorry for being impatient.

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by dmc_dtc on Mon, 20 Jul 2026 17:21:10 GMT
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It is nice to hear some good news and that this project is not dead... Just the pace is too slow for 2026. As you are all aware there were dozens of kernel vulnerabilities over 20 updates! just last month, yes, many of them are not probably applicable to openVZ7 3.10 kernel but still - OpenVZ support is just too slow and non existent ATM - no one has also said anything about for example another very serious KVM escape bug - Januscape CVE-2026-53359 it is probably not exploitable by defauult since kvm_nesting is off but still, why not patch it... so yeah, even if they come up with this patch, we would need confirmation of them picking up the pace of future kernel patches, i am slowly moving toward KVM solutions but will probably still be a bit stuck with OpenVZ on 2 or 3 clients until i manage to escape

I've checked their bitbucket for kernel *1160.129.226 and see no patch except the ones in April so yeah, looking forward if it happens

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by HHawk on Wed, 22 Jul 2026 05:32:38 GMT
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It's already Wednesday and unfortunately I am not seeing any updates either... :(
I do not understand why they state an updated kernel will be released, but nothing is happening?

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by dmc_dtc on Wed, 22 Jul 2026 13:00:52 GMT
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Agree, the pace is just too slow even if they deliver patch for Ghostlock ... from the time Ghostlock was unveiled until now there were already many other potential serious vulnerabilities, as I've said above, even if they deliver Ghostlock patch soon (at this moment i dont even believe it) .. they would need to keep up with the pace of new vulnerabilities in the future ... in any case i think i will patch my own kernel from now on until i totally finish migration from OpenVZ

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by viadck on Wed, 22 Jul 2026 15:17:41 GMT
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With the help of Claude/Chatgpt I patched the latest openvz kernel with the ghostlock patch. Various nodes have been running without issues since this weekend, hope it stays this way.

But with the lack of communication and updates I think it's fair to say openvz is a dead project. It was great while it lasted but time has come to look for other options.

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by HHawk on Thu, 23 Jul 2026 09:32:29 GMT
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It is deeply disappointing to see the current state of the OpenVZ project. Updates for OpenVZ 7 have become extremely scarce, while OpenVZ 9 still does not appear to be developing into a maintained and dependable successor. Much of the project now feels outdated or effectively abandoned.

The lack of visible action following the disclosure of GhostLock (CVE-2026-43499) in early July 2026 has made the situation even more concerning. Regardless of the exact exposure of individual OpenVZ kernels, long-standing users deserve timely communication, clear security guidance and evidence that the platform is still being actively maintained. Unfortunately, we have seen very little of that.

A relevant detail is that we operate two separate companies. One uses OpenVZ-based solutions, while the other uses commercial Virtuozzo products for customers who are prepared to pay more for that platform. Virtuozzo may not be aware that both environments ultimately belong to us.

It may be assumed that organisations still using OpenVZ will eventually migrate to the paid Virtuozzo platform. In our case, however, the opposite is happening. Trust must be earned and maintained before customers will consider investing further in a commercial product. After years of uncertainty, delayed development, limited communication and unfulfilled expectations surrounding OpenVZ, that trust has largely disappeared.

We have therefore already started migrating our infrastructure to Proxmox. This is not a decision we have taken lightly. We have been using OpenVZ for more than twenty years, and it has been an important part of our infrastructure for a very long time. It has been a great journey, but we can no longer continue relying on a platform whose future and security maintenance remain so unclear.

Virtuozzo may not consider the loss of our OpenVZ and commercial Virtuozzo deployments significant, but it matters to us. We are tired of repeatedly being left waiting, receiving little meaningful information and being given the impression that improvements are coming while very little actually changes.

It is genuinely unfortunate that our journey with OpenVZ and Virtuozzo has to end this way. However, given the current state of the project and the lack of confidence in its future, migrating to Proxmox has become the only responsible choice for our companies and our customers.

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by dmc_dtc on Thu, 23 Jul 2026 20:31:35 GMT
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Which kernel did you use and could you share the patch 119 or 129?, i've made mine with Claude, i just want to compare to see if i wasnt that far off :) But nevertheless POC for ghostlock dont run after applying my patch so i will consider it patched.. but in the long run i am alreayd migrating VPSs to KVM and it is not an easy task but easier than patchign whole kernel every few days :)

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by khorenko on Fri, 24 Jul 2026 13:08:50 GMT
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Hi guys.

 https://bitbucket.org/openvz/vzkernel/commits/branch/branch-rh7-3.10.0-1160.129.1.vz7.226.x-ovz updated
 https://download.openvz.org/virtuozzo/factory/source/SRPMS/v/vzkernel-3.10.0-1160.129.1.vz7.226.3.src.rpm

Binaries:
 https://download.openvz.org/virtuozzo/factory/x86_64/os/Pack ages/v/
 https://download.openvz.org/virtuozzo/factory/x86_64/os/Pack ages/v/vzkernel-3.10.0-1160.129.1.vz7.226.3.x86_64.rpm

Guys, i clearly understand your pain.
i will try to react faster to serious issues.

Subject: Re: Urgent: GhostLock (CVE-2026-43499) on OpenVZ 7 Where is the patch for WebPros / SolusVM users?
Posted by HHawk on Wed, 29 Jul 2026 04:49:11 GMT
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@khorenko

Didn't know it was available on the "factory" repo to be honest, but thank you.
We will test it on several hardware nodes first, before we deploy it to the remaining hardware nodes.

Thank you. Hopefully there is still a future, somewhere, with OpenVZ7 and future released, however I seriously doubt it to be honest...