Subject: AlmaLinux 9.4 and network-scripts package
Posted by wsap on Wed, 08 May 2024 19:11:18 GMT
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AlmaLinux 9.4 includes an updated initscripts version 10.11.6 which requires network-scripts 10.11.6 as well:

Error:
 Problem: cannot install both initscripts-10.11.6-1.el9.x86_64 from baseos and initscripts-10.11.5-1.el9.x86_64 from @System
  - package network-scripts-10.11.5-1.el9.x86_64 from @System requires initscripts(x86-64) = 10.11.5-1.el9, but none of the providers can be installed
  - cannot install the best update candidate for package initscripts-10.11.5-1.el9.x86_64
  - problem with installed package network-scripts-10.11.5-1.el9.x86_64
(try to add '--allowerasing' to command line to replace conflicting packages or '--skip-broken' to skip uninstallable packages or '--nobest' to use not only best candidate packages)

Yet the network-scripts package is only ever in the almalinux devel repo:
https://repo.almalinux.org/almalinux/9.3/devel/x86_64/os/Pac kages/

The original @System 'repo' the package came from refers to the EZTemplate it was installed from.

Anyone know if it's safe to simply install the package from the AlmaLinux devel repo, or if perhaps there are modifications to the package by OpenVZ devs to ensure it works with OpenVZ networking?

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by javii on Tue, 14 May 2024 10:37:44 GMT
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Same problem here, did you solved it?

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by wsap on Wed, 15 May 2024 12:11:56 GMT
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I'm afraid not. You can work around it by running other updates by excluding the initscripts package like yum update --exclude=initscripts but that doesn't solve the conflict.

I think the next step, that I haven't had time to try yet, would be installing a fresh container, then manually updating to the package in the alma devel repo. Then reboot the container to see if there's any networking issues. If all is well, then that's probably a good solution.

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by nathan.brownrice on Thu, 16 May 2024 22:35:45 GMT
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Howdy! I have some info on this, as I ran into it last week. Here's how I understand it (of course I could be wrong):

First I tried --allowerasing on a container to test, which worked to resolve the conflict and install the new network packages, and it completely broke networking.

After bit of googling I found the exact issue:
https://techsch.com/tutorials/linux-troubleshooting-guide

This explained that "Deprecated 'network-scripts' package breaks yum/dnf update in RHEL9 based OS templates. This was for SolusVM, but the same principal applies here.

Their solution was to "--skip-broken", but this isn't a permanent solution. Considering that 'network-scripts' is apparently deprecated, and that 'network-scripts' needs a specific version of 'initscripts' to function, and that OpenVZ7 was designed around this 'network-scripts' package I think it's best that we exclude these permanently from being updated (that way you can easily run yum updates going forward without having to worry about breaking stuff)

In your /etc/yum.conf

Add:

exclude=network-scripts* initscripts*

And then you can update like normal and without error, and this will keep us from accidentally updating these packages down the road and breaking containers. I think this is the best path forward for us. There is another "solution" that requires removing network-scripts, and instead configuring NetworkManager instead, but I didn't even go down that road. It seems likely that this will cause issues with OpenVZ since it clearly relies on the network-scripts package - but hey you could try it and let us know if it works! I have enough production Alma9 containers running that even if that worked, the labor to get all of them switched over would bee too intensive.

Hey, while I have another Openvz7 Alma9 template user, have you ever run into this issue?
https://forums.almalinux.org/t/alma9-and-dnf-yum-update-issu es/3088

That's my forum post, I've never actually found a fix for it. I just end up rebooting alma containers after yum/dnf updates to get around it, but I've never had to do this for our Centos7 VPSs. It doesn't seem like an Alma9 issue, as we have dedi boxes running it and I've never had it happen there. More of a specific issue with Openvz7 + Alma9 template.

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by wsap on Wed, 29 May 2024 22:38:39 GMT
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Hey @Nathan,

Thanks for that! We were going to do the same - exclude those packages.

We did just spin up a test container with AL9 and ran this:

rpm -Uvh
https://repo.almalinux.org/almalinux/9.4/devel/x86_64/os/Packages/network-scripts-10.11.6-1.el9.x86_64.rpm --nodeps
yum update -y

Then just to be sure, this worked fine:

systemctl restart network

As did a reboot of the container. Networking services continued to work as expected.

So it appears we're safe to complete the update to the devel package. I did check the changelog and there's only two minor fixes included between 10.11.6 and 10.11.5, so it makes sense that it would continue to work smoothly.

Coincidentally I just came upon your AlmaLinux 9 forum post on that topic today, and yes we have! I have a bug report in about it here: https://bugs.openvz.org/browse/OVZ-7496?filter=-2

I commented on your AL9 forum post earlier today, but it's in review.

I've updated the above bug report earlier today with our latest findings which match closer with what you're seeing - I think the earlier data is all just symptoms of the same underlying issue wherein processes lose communication with systemd (presumably via dbus).

Note that in our case, we've been able to avoid a reboot by running: systemctl restart dbus systemd-logind

But you'll then also need to restart services that have now been broken by what appears to be lack of communication with systemd via dbus. Example:

killall sshd
killall crond
systemctl restart crond sshd

(also add in your PHP-FPM processes to the restart. For Plesk PHP this is plesk-php*)

Can discuss this more over in the AL9 forum thread, or open a new thread here on the topic, or use the bug report.

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by wsap on Wed, 29 May 2024 22:46:37 GMT
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Apparenty @futureweb got Virtuozzo to create a bug report on this topic:
https://forums.almalinux.org/t/network-scripts-missing-in-9- 4/4036/3

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by futureweb on Tue, 11 Jun 2024 13:09:37 GMT
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Hey there,
official Feedback from Virtuozzo:

Quote:Hello Andreas,

Here is an updated workaround for the issue that will avoid network downtime:
1) Download the new network-scripts package from the devel repository
https://repo.almalinux.org/almalinux/9.4/devel/x86_64/os/Pac
kages/network-scripts-10.11.6-1.el9.x86_64.rpm
2) Run dnf update ./network-scripts-10.11.6-1.el9.x86_64.rpm . This updates
initscripts-10.11.6-1.el9.x86_64 and network-scripts-10.11.6-1.el9.x86_64
3) After that run dnf update. This way you avoid the error "Problem: cannot install both
initscripts-10.11.6-1.el9.x86_64 from baseos and initscripts-10.11.5-1.el9.x86_64 from @System"
4) The CT should update to 9.4 without problems

I'll mark this ticket as resolved. Meanwhile our Devs are working on a long term solution for this problem with internal ID PSBM-156563. The issue will be fixed in upcoming releases of VHS.
In case of any further issues, questions or concerns don't hesitate to contact us.

Kind regards,
xxx
Senior Cloud Engineer

bye from Austria
Andreas

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by wsap on Tue, 25 Jun 2024 15:19:45 GMT
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Thanks for that info Andreas!

Subject: Re: AlmaLinux 9.4 and network-scripts package
Posted by nathan.brownrice on Tue, 02 Jul 2024 22:26:25 GMT
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wsap wrote on Wed, 29 May 2024 22:38
Coincidentally I just came upon your AlmaLinux 9 forum post on that topic today, and yes we have! I have a bug report in about it here: https://bugs.openvz.org/browse/OVZ-7496?filter=-2

I commented on your AL9 forum post earlier today, but it's in review.
I meant to reply to you earlier, but thank you for this! I cheered out loud when I read your reply, it's great to know we're not the only ones and that there's hopefully a fix coming from the official source.

Also thanks for your tips (re: systemctl restart dbus systemd-logind), I'll experiment with that and see if we can't get around the reboot, as we have quite a few Alma VPSs that need regreSSHion patch.

Finally, thanks Futureweb for getting the bug report created and sharing the official workaround!