Subject: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by jochum on Mon, 16 Mar 2015 23:56:43 GMT
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Hi All:

In upgrading my RHEL container from 7.0 to 7.1 container today, I found that upgrading initscripts (from initscripts-9.49.17-1.el7_0.1.x86_64 to initscripts-9.49.24-1.el7.x86_64) causes networking to fail after a reboot. Before the reboot:

****

```
[root@lss-vps141 ~]# ifconfig -a
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 0  (Local Loopback)
        RX packets 4  bytes 304 (304.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4  bytes 304 (304.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

venet0: flags=211<UP,BROADCAST,POINTOPOINT,RUNNING,NOARP>  mtu 1500
        inet 127.0.0.1  netmask 255.255.255.255  broadcast 0.0.0.0  destination 127.0.0.1
        unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 0  (UNSPEC)
        RX packets 306  bytes 453581 (442.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 152  bytes 8093 (7.9 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

venet0:0: flags=211<UP,BROADCAST,POINTOPOINT,RUNNING,NOARP>  mtu 1500
        inet 135.1.58.141  netmask 255.255.255.255  broadcast 135.1.58.141  destination
135.1.58.141
        unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 0  (UNSPEC)

[root@lss-vps141 ~]# systemctl status -l network.service
network.service - LSB: Bring up/down networking
   Loaded: loaded (/etc/rc.d/init.d/network)
   Active: active (exited) since Mon 2015-03-16 19:49:58 EDT; 1min 29s ago
  Process: 1031 ExecStop=/etc/rc.d/init.d/network stop (code=exited, status=0/SUCCESS)
  Process: 1185 ExecStart=/etc/rc.d/init.d/network start (code=exited, status=0/SUCCESS)

Mar 16 19:49:58 lss-vps141 systemd[1]: Starting LSB: Bring up/down networking...
Mar 16 19:49:58 lss-vps141 network[1185]: Bringing up loopback interface:  [  OK  ]
Mar 16 19:49:58 lss-vps141 network[1185]: Bringing up interface venet0:  arping: Device venet0
not available.
Mar 16 19:49:58 lss-vps141 network[1185]: [  OK  ]
Mar 16 19:49:58 lss-vps141 systemd[1]: Started LSB: Bring up/down networking.
```

****

After the upgrade and reboot, the same command no longer shows the venet0:0 entry, and error messages in the systemctl status output:

****

```
[root@lss-vps141 ~]# ifconfig -a
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 0  (Local Loopback)
        RX packets 4  bytes 304 (304.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4  bytes 304 (304.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

venet0: flags=211<UP,BROADCAST,POINTOPOINT,RUNNING,NOARP>  mtu 1500
        inet 127.0.0.1  netmask 255.255.255.255  broadcast 0.0.0.0  destination 127.0.0.1
        unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 0  (UNSPEC)
        RX packets 612  bytes 907174 (885.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 300  bytes 16279 (15.8 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@lss-vps141 ~]# systemctl status -l network.service
network.service - LSB: Bring up/down networking
   Loaded: loaded (/etc/rc.d/init.d/network)
   Active: active (exited) since Mon 2015-03-16 19:52:42 EDT; 9s ago
  Process: 1484 ExecStop=/etc/rc.d/init.d/network stop (code=exited, status=0/SUCCESS)
  Process: 1639 ExecStart=/etc/rc.d/init.d/network start (code=exited, status=0/SUCCESS)

Mar 16 19:52:42 lss-vps141 network[1639]: Bringing up loopback interface:  [  OK  ]
Mar 16 19:52:42 lss-vps141 network[1639]: Bringing up interface venet0:  arping: Device venet0
not available.
Mar 16 19:52:42 lss-vps141 network[1639]: Determining if ip address 135.1.58.141 is already in
use for device venet0...
Mar 16 19:52:42 lss-vps141 network[1639]: arping: Device venet0 not available.
Mar 16 19:52:42 lss-vps141 network[1639]: ERROR    :
[/etc/sysconfig/network-scripts/ifup-aliases] Error, some other host already uses address
135.1.58.141.
Mar 16 19:52:42 lss-vps141 network[1639]: [  OK  ]
Mar 16 19:52:42 lss-vps141 systemd[1]: Started LSB: Bring up/down networking.
[root@lss-vps141 ~]#
```

****

Does anyone know how to fix (or get around) this?

thanks,

Paul

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by Paparaciz on Tue, 17 Mar 2015 17:54:44 GMT
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I suggest to submit bug report

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by hermit on Wed, 01 Apr 2015 01:22:32 GMT
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Seeing exactly the same with Centos7, did a standard install from image, worked fine, updated using YUM, not installed anything new, networking no longer starts, get exactly the same as you did with Debian.

Have you found a fix for it yet?

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by Claudiu on Wed, 01 Apr 2015 08:43:53 GMT
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Same with Fedora 21.

One possible fix is to modify /etc/vz/dists/scripts/redhat-add_ip.sh by adding ARPCHECK="no" in function create_config()

```
function create_config()
{
	local ip=$1
	local netmask=$2
	local ifnum=$3
	local file=${IFCFG_DIR}/bak/${VENET_DEV_CFG}:${ifnum}

	echo "DEVICE=${VENET_DEV}:${ifnum}
ONBOOT=yes
IPADDR=${ip}
NETMASK=${netmask}"
ARPCHECK=\"no\" > $file ||
	error "Can't write to file $file" ${VZ_FS_NO_DISK_SPACE}
```

}

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by jochum on Wed, 01 Apr 2015 11:32:02 GMT
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Hi Hermit:

Yes, using the "OpenVZ Maintenance Partnership", Kirill was able to point me to a "yet unreleased version of vctl" which has a fix.

If you want it, just copy the following file:
http://git.openvz.org/?p=vzctl ;a=blob;f=etc/dists/scripts/redhat-add_ip.sh;h=d6a52b8960885d980fcc95201a44881c8efa5f3f;hb=HEAD

over the existing version in /etc/vz/dist/scripts.

This script is then run when vzctl starts, as well as for vzctl set --ipadd.

Hope this helps,

Paul

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by hermit on Wed, 01 Apr 2015 23:42:55 GMT
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Thanks for the info.

I'm just an end vps user, so I have passed this on to the providers, hopefully they will do the appropriate. In the meantime, I have added

ip addr add xx.yy.zz.ip dev venet0

to my startup script on my vps.

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by steveh1966 on Thu, 02 Apr 2015 13:28:23 GMT
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Link to download script file does not work.

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures
Posted by steveh1966 on Thu, 02 Apr 2015 13:34:38 GMT
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Ok works remove the TWO spaces!!

Subject: Re: RHEL 7.1 VPS - initscripts upgrade causes networking failures - Working fix
Posted by hermit on Fri, 03 Apr 2015 02:31:40 GMT
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Hi

I have resolved the issue on my vps using a patch at at the redhat bugzilla, Bug 1207975 which fixes a bug in the ifup-aliases file in the etc/sysconfig/network-scripts directory of the vps. Sorry, but it wont let me post links, but I am sure you can easily find it.

For anyone else with this problem, please give it a try.