



About "hv_vmbus: probe failed for device vmbus_0_17 (-22)" messages.

🕒 SOLUTION VERIFIED - Updated May 1 2015 at 2:54 PM - English ▾ ()

Environment

- Red Hat Enterprise Linux 6.5
- kernel-2.6.32-431.el6.x86_64
- HW: Hyper-V

Issue

- The following message appears in our customer's messages.

```
kernel: hv_vmbus: probe failed for device vmbus_0_17 (-22)
kernel: hv_util: probe of vmbus_0_17 failed with error -22
```

- logs in normal

```
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_1 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_2 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_3 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_4 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_5 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_6 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_7 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_8 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_9 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_10 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_11 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_12 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_13 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_14 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_15 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: child device vmbus_0_16 registered
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hv_storvsc
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hyperv_fb
Mar 25 04:38:27 server10 kernel: hv_utils: Registering HyperV Utility Driver
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hv_util
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hv_netvsc
Mar 25 04:38:27 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 25 04:38:27 server10 kernel: hv_netvsc vmbus_0_14: Device MAC 00:1d:d8:b7:1c:0f link state up
Mar 25 04:38:27 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 25 04:38:27 server10 kernel: hv_netvsc vmbus_0_15: Device MAC 00:1d:d8:b7:1c:0e link state up
Mar 25 04:38:27 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 25 04:38:27 server10 kernel: hv_netvsc vmbus_0_16: Device MAC 00:1d:d8:b7:1c:13 link state up
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hid_hyperv
Mar 25 04:38:27 server10 kernel: hv_vmbus: registering driver hv_balloon
```

- logs in trouble



```
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_1 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_2 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_3 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_4 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_5 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_6 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_7 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_8 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_9 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_10 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_11 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_12 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_13 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_14 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_15 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_16 registered
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hv_storvsc
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hyperv_fb
Mar 31 04:12:36 server10 kernel: hv_utils: Registering HyperV Utility Driver
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hv_util
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_9 unregistered
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hv_netvsc
Mar 31 04:12:36 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 31 04:12:36 server10 kernel: hv_netvsc vmbus_0_14: Device MAC 00:1d:d8:b7:1c:0f link state up
Mar 31 04:12:36 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 31 04:12:36 server10 kernel: hv_netvsc vmbus_0_15: Device MAC 00:1d:d8:b7:1c:0e link state up
Mar 31 04:12:36 server10 kernel: hv_netvsc: hv_netvsc channel opened successfully
Mar 31 04:12:36 server10 kernel: hv_netvsc vmbus_0_16: Device MAC 00:1d:d8:b7:1c:13 link state up
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hid_hyperv
Mar 31 04:12:36 server10 kernel: hv_vmbus: registering driver hv_balloon
Mar 31 04:12:36 server10 kernel: hv_vmbus: probe failed for device vmbus_0_17 (-22)
Mar 31 04:12:36 server10 kernel: hv_util: probe of vmbus_0_17 failed with error -22
Mar 31 04:12:36 server10 kernel: hv_vmbus: child device vmbus_0_17 registered
```

- How reproducible:
 - sometimes.
- Steps to Reproduce:
 - system reboot.

Resolution

This can impact communication between the guest and hypervisor in a Hyper-V environment. Integration Services such as guest shutdown/time synchronization/data Exchange is believed to be affect and may not function properly.
Update to RHEL 6.6 or later (the linux kernel provided in RHEL 6.6 contains a set of fixes for several issues in Hyper-V drivers).

Root Cause

Given above we believe the problem caused by a bug in Hyper-V hv_vmbus driver.

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