

VMware Workstation Troubleshooting

Version	Datum	Änderung	Durchgeführt von
0.02	2022-03-08	Lösung hinzugefügt, Formatierung angepasst;	Görisch Alexander
0.01	2022-03-03	Dokument erstellt;	Görisch Alexander

Fehlermeldung beim Starten von VMware

Troubleshooting Solution 1

Der Fehler tritt unter Ubuntu bzw. Pop!_OS auf, nachdem Updates am Kernel oder Firmware eingespielt wurden. Zumindest laut meinen Beobachtungen. Dann muss *vmnet* als auch *vmmon* neu kompiliert werden.

```

cd /usr/lib/vmware/modules/source
sudo tar xvf vmnet.tar
cd vmnet-only
sudo make
cd ..
sudo tar xvf vmmon.tar
cd vmmon-only
sudo make
cd ..
sudo cp vmmon.o /lib/modules/`uname -r`/kernel/drivers/misc/vmmon.ko
sudo cp vmnet.o /lib/modules/`uname -r`/kernel/drivers/misc/vmnet.ko
sudo depmod -a
sudo systemctl restart vmware.service

```

Troubleshooting Solution 2

Ich hatte beim Kompilieren folgende Fehlermeldung:

```

/usr/lib/vmware/modules/source/vmmon-only/./include/vm_asm_x86.h:67:44:
error: expression in static assertion is not constant
   67 |     ASSERT_ON_COMPILE(sizeof(Selector) == 2 &&
     |     ^
~~~~~^~~~~~

```

```

68 |                                     ((__builtin_constant_p(expr) && ((expr) >>
16) == 0) || \
|
~~~~~
69 |                                     sizeof(expr) <= 2))
|                                     ~~~~~

```

Das kann man fixen indem man die Zeilen mit `/* ... */` auskommentiert.

```

cd include
# bzw
cd /usr/lib/vmware/modules/source/vmmon-only/./include/
sudo nano vm_asm_x86.h

# die Zeilen auskommentieren
67 /* |   ASSERT_ON_COMPILE(sizeof(Selector) == 2 &&
\
|
~~~~~
68 |                                     ((__builtin_constant_p(expr) && ((expr) >>
16) == 0) || \
|
~~~~~
69 |                                     sizeof(expr) <= 2))
|   */

```

Danach nochmal wie oben die Schritte durchgehen und kompilieren.

Troubleshooting Solution 3

Fehlermeldung:

```

gweep@gweepbook:/usr/lib/vmware/modules/source/vmnet-only$ sudo make
Using kernel build system.
make -C /lib/modules/5.16.11-76051611-generic/build/include/.. M=$PWD
SRCROOT=$PWD/. \
  MODULEBUILDDIR= modules
make[1]: Entering directory '/usr/src/linux-headers-5.16.11-76051611-
generic'
warning: the compiler differs from the one used to build the kernel
The kernel was built by: gcc (Ubuntu 9.3.0-17ubuntu1~20.04) 9.3.0
You are using:          gcc (Ubuntu 9.4.0-1ubuntu1~20.04) 9.4.0
CC [M] /usr/lib/vmware/modules/source/vmnet-only/driver.o
In file included from /usr/lib/vmware/modules/source/vmnet-
only/vm_atomic.h:49,
                from /usr/lib/vmware/modules/source/vmnet-only/vnet.h:28,
                from /usr/lib/vmware/modules/source/vmnet-

```

```

only/vnetInt.h:24,
                from /usr/lib/vmware/modules/source/vmnet-
only/driver.c:48:
/usr/lib/vmware/modules/source/vmnet-only/vm_assert.h:43:10: fatal error:
stdarg.h: No such file or directory
   43 | #include <stdarg.h>
      |         ^~~~~~
compilation terminated.
make[2]: *** [scripts/Makefile.build:287:
/usr/lib/vmware/modules/source/vmnet-only/driver.o] Error 1
make[1]: *** [Makefile:1852: /usr/lib/vmware/modules/source/vmnet-only]
Error 2
make[1]: Leaving directory '/usr/src/linux-headers-5.16.11-76051611-
generic'
make: *** [Makefile:117: vmnet.ko] Error 2

```

Folgendes Script ausführen, also Datei erstellen, z. B. `vmwarefix.sh`, mit `chmod +x vmwarefix.sh` ausführbar machen und mit `sudo vmwarefix.sh` ausführen.

```

#!/bin/bash

VMWARE_VERSION="workstation-$(vmware -v|grep -oE "[[:digit:]]+.[[:digit:]]+.[[:digit:]]+"| head -n1)" # this is detect the version you
have VMware Workstation 16.2.1 build-18811642

TMP_FOLDER=/tmp/patch-vmware
rm -fdr $TMP_FOLDER
mkdir -p $TMP_FOLDER
cd $TMP_FOLDER
git clone https://github.com/mkubeczek/vmware-host-modules.git
cd $TMP_FOLDER/vmware-host-modules
git checkout $VMWARE_VERSION
git fetch
make
sudo make install
sudo rm /usr/lib/vmware/lib/libz.so.1/libz.so.1
sudo ln -s /lib/x86_64-linux-gnu/libz.so.1
/usr/lib/vmware/lib/libz.so.1/libz.so.1
sudo /etc/init.d/vmware restart

```

Sollte ein Fehler wie dieser kommen:

```

make[2]: Leaving directory '/usr/src/linux-headers-5.4.0-91-generic'
make -C $PWD SRCROOT=$PWD/. \
  MODULEBUILDDIR= postbuild
make[2]: Entering directory '/tmp/patch-vmware/vmware-host-modules/vmnet-
only'
make[2]: 'postbuild' is up to date.

```

```
make[2]: Leaving directory '/tmp/patch-vmware/vmware-host-modules/vmnet-only'
cp -f vmnet.ko ../../vmnet.o
make[1]: Leaving directory '/tmp/patch-vmware/vmware-host-modules/vmnet-only'
Version mismatch: module vmmon-only/vmmon.ko 5.4.151, kernel 5.4.0-91-generic
Version mismatch: module vmnet-only/vmnet.ko 5.4.151, kernel 5.4.0-91-generic
make: *** [Makefile:35: install] Error 1
Stopping VMware services:
  VMware Authentication Daemon
done
  VM communication interface socket family
done
  Virtual machine communication interface
done
  Virtual machine monitor
done
  Blocking file system
done
Starting VMware services:
  Virtual machine monitor
failed
  Virtual machine communication interface
done
  VM communication interface socket family
done
  Blocking file system
done
  Virtual ethernet
failed
  VMware Authentication Daemon
done
```

Dann:

```
$ sudo /etc/init.d/vmware status
Module vmmon not loaded
Module vmnet not loaded
```

```
$ cat /proc/cpuinfo | grep 'name' | uniq
model name : Intel(R) Xeon(R) Gold 6138 CPU @ 2.00GHz

$ cat /proc/cpuinfo | grep process | wc -l
80
```

```
$ sudo mokutil --sb-state
SecureBoot disabled
```

```
$ grep --color vmx /proc/cpuinfo
flags                : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca
cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx
pdpe1gb rdtscp lm constant_tsc art arch_perfmon pebs bts rep_good nopl
xtopology nonstop_tsc cpuid aperfmperf pni pclmulqdq dtes64 monitor ds_cpl
vmx smx est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid dca sse4_1 sse4_2
x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm
abm 3dnowprefetch cpuid_fault epb cat_l3 cdp_l3 invpcid_single pti
intel_ppin ssbd mba ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid
ept_ad fsgsbase tsc_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm
mpx rdt_a avx512f avx512dq rdseed adx smap clflushopt clwb intel_pt
avx512cd avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm_llc
cqm_occup_llc cqm_mbm_total cqm_mbm_local dtherm ida arat pln pts pku
ospke md_clear flush_l1d
```

Quelle

- VMware Forum: <https://communities.vmware.com/t5/VMware-Workstation-Pro/VM-Workstation-16-1-gt-16-2-1-on-Ubuntu-21-10-broke-everything/m-p/2885428>
- AskUbuntu: <https://askubuntu.com/questions/1377852/vmware-workstation-virtual-machine-monitor-virtual-ethernet-service-issue>

Relevant

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