

```
root@eve-ng:/opt/unetlab/addons/qemu/win-10test# virt-sparsify --compress
virtioa.qcow2 compressedvirtioa.qcow2
```

```
[ 0.1] Create overlay file in /tmp to protect source disk
```

```
[ 0.1] Examine source disk
```

```
- 25%
```

```
[#####-
-----
-----] --:--
```

virt-sparsify: error: libguestfs error: guestfs\_launch failed.  
This usually means the libguestfs appliance failed to start or crashed.

Do:

```
export LIBGUESTFS_DEBUG=1 LIBGUESTFS_TRACE=1
```

and run the command again. For further information, read:

```
http://libguestfs.org/guestfs-faq.1.html#debugging-libguestfs
```

You can also run 'libguestfs-test-tool' and post the \*complete\* output into a bug report or message to the libguestfs mailing list.

If reporting bugs, run virt-sparsify with debugging enabled and include the complete output:

```
virt-sparsify -v -x [...]
```

```
root@eve-ng:/opt/unetlab/addons/qemu/win-10test# export
LIBGUESTFS_DEBUG=1 LIBGUESTFS_TRACE=1
```

```
root@eve-ng:/opt/unetlab/addons/qemu/win-10test# virt-sparsify -v -x --
compress virtioa.qcow2 compressedvirtioa.qcow2
```

```
libguestfs: trace: set_verbose true
```

```
libguestfs: trace: set_verbose = 0
```

```
libguestfs: create: flags = 0, handle = 0x55fb786a8c10, program = virt-sparsify
```

```
libguestfs: trace: set_trace true
```

```
libguestfs: trace: set_trace = 0
```

```
libguestfs: trace: set_verbose true
```

```
libguestfs: trace: set_verbose = 0
```

```
libguestfs: trace: disk_format "/opt/unetlab/addons/qemu/win-10test/
virtioa.qcow2"
```

```
libguestfs: command: run: qemu-img --help | grep -sqE -- '\binfo\b.*-U\b'
```

```
libguestfs: command: run: qemu-img
```

```
libguestfs: command: run: \ info
```

```
libguestfs: command: run: \ -U
```

```
libguestfs: command: run: \ --output json
```

```
libguestfs: command: run: \ /opt/unetlab/addons/qemu/win-10test/virtioa.qcow2
```

```
libguestfs: parse_json: qemu-img info JSON output:\n{\n  "virtual-size":
```

```
107374182400,\n  "filename": "/opt/unetlab/addons/qemu/win-10test/
```

```
virtioa.qcow2",\n  "cluster-size": 65536,\n  "format": "qcow2",\n  "actual-size":
```

```
26669101056,\n  "format-specific": {\n    "type": "qcow2",\n    "data": {\n      "compat": "1.1",\n      "lazy-refcounts": false,\n      "refcount-bits": 16,\n      "corrupt": false\n    }\n  },\n  "dirty-flag": false\n}\n\nlibguestfs: trace: disk_format = "qcow2"\nlibguestfs: trace: set_verbose true\nlibguestfs: trace: set_verbose = 0\nlibguestfs: create: flags = 0, handle = 0x55fb786aa570, program = virt-sparsify\nlibguestfs: trace: set_trace true\nlibguestfs: trace: set_trace = 0\nlibguestfs: trace: set_verbose true\nlibguestfs: trace: set_verbose = 0\nlibguestfs: trace: disk_virtual_size "/opt/unetlab/addons/qemu/win-10test/virtioa.qcow2"\nlibguestfs: command: run: qemu-img --help | grep -sqE -- '\\binfo\\b.*-U\\b'\nlibguestfs: command: run: qemu-img\nlibguestfs: command: run: \\ info\nlibguestfs: command: run: \\ -U\nlibguestfs: command: run: \\ --output json\nlibguestfs: command: run: \\ /opt/unetlab/addons/qemu/win-10test/virtioa.qcow2\nlibguestfs: parse_json: qemu-img info JSON output:\n{\n  "virtual-size":\n  107374182400,\n  "filename": "/opt/unetlab/addons/qemu/win-10test/virtioa.qcow2",\n  "cluster-size": 65536,\n  "format": "qcow2",\n  "actual-size":\n  26669101056,\n  "format-specific": {\n    "type": "qcow2",\n    "data": {\n      "compat": "1.1",\n      "lazy-refcounts": false,\n      "refcount-bits": 16,\n      "corrupt": false\n    }\n  },\n  "dirty-flag": false\n}\n\nlibguestfs: trace: disk_virtual_size = 107374182400\ninput disk virtual size is 107374182400 bytes (100.0G)\n[ 0.0] Create overlay file in /tmp to protect source disk\nlibguestfs: trace: set_verbose true\nlibguestfs: trace: set_verbose = 0\nlibguestfs: create: flags = 0, handle = 0x55fb786abe40, program = virt-sparsify\nlibguestfs: trace: set_trace true\nlibguestfs: trace: set_trace = 0\nlibguestfs: trace: set_verbose true\nlibguestfs: trace: set_verbose = 0\nlibguestfs: trace: disk_create "/tmp/sparsify438964.qcow2" "qcow2" -1\n"backingfile:/opt/unetlab/addons/qemu/win-10test/virtioa.qcow2" "compat:1.1"\nlibguestfs: command: run: qemu-img\nlibguestfs: command: run: \\ create\nlibguestfs: command: run: \\ -f qcow2\nlibguestfs: command: run: \\ -o backing_file=/opt/unetlab/addons/qemu/win-10test/virtioa.qcow2,compat=1.1\nlibguestfs: command: run: \\ /tmp/sparsify438964.qcow2\nFormatting '/tmp/sparsify438964.qcow2', fmt=qcow2 size=107374182400
```

```
compat=1.1 backing_file=/opt/unetlab/addons/qemu/win-10test/virtioa.qcow2
cluster_size=65536 lazy_refcounts=off refcount_bits=16
libguestfs: trace: disk_create = 0
[ 0.0] Examine source disk
libguestfs: trace: set_verbose true
libguestfs: trace: set_verbose = 0
libguestfs: create: flags = 0, handle = 0x55fb786adb30, program = virt-sparsify
libguestfs: trace: set_trace true
libguestfs: trace: set_trace = 0
libguestfs: trace: set_verbose true
libguestfs: trace: set_verbose = 0
libguestfs: trace: add_drive "/tmp/sparsify438964.qcow2" "readonly:false"
"format:qcow2" "cachemode:unsafe"
libguestfs: trace: add_drive = 0
libguestfs: trace: launch
libguestfs: trace: max_disks
libguestfs: trace: max_disks = 255
libguestfs: trace: get_tmpdir
libguestfs: trace: get_tmpdir = "/tmp"
libguestfs: trace: version
libguestfs: trace: version = <struct guestfs_version = major: 1, minor: 40, release:
2, extra: , >
libguestfs: trace: get_backend
libguestfs: trace: get_backend = "direct"
libguestfs: launch: program=virt-sparsify
libguestfs: launch: version=1.40.2
libguestfs: launch: backend registered: unix
libguestfs: launch: backend registered: uml
libguestfs: launch: backend registered: libvirt
libguestfs: launch: backend registered: direct
libguestfs: launch: backend=direct
libguestfs: launch: tmpdir=/tmp/libguestfswAQ8g3
libguestfs: launch: umask=0022
libguestfs: launch: euid=0
libguestfs: trace: get_cachedir
libguestfs: trace: get_cachedir = "/var/tmp"
libguestfs: begin building supermin appliance
libguestfs: run supermin
libguestfs: command: run: /usr/bin/supermin
libguestfs: command: run: \ --build
libguestfs: command: run: \ --verbose
libguestfs: command: run: \ --if-newer
libguestfs: command: run: \ --lock /var/tmp/guestfs-0/lock
libguestfs: command: run: \ --copy-kernel
```

```
libguestfs: command: run: \ -f ext2
libguestfs: command: run: \ --host-cpu x86_64
libguestfs: command: run: \ /usr/lib/x86_64-linux-gnu/guestfs/supermin.d
libguestfs: command: run: \ -o /var/tmp/guestfs-0/appliance.d
supermin: version: 5.1.20
supermin: package handler: debian/dpkg
supermin: acquiring lock on /var/tmp/guestfs-0/lock
supermin: if-newer: output does not need rebuilding
libguestfs: finished building supermin appliance
libguestfs: begin testing qemu features
libguestfs: trace: get_cachedir
libguestfs: trace: get_cachedir = "/var/tmp"
libguestfs: checking for previously cached test results of /usr/bin/qemu-system-
x86_64, in /var/tmp/guestfs-0
libguestfs: loading previously cached test results
libguestfs: qemu version: 4.2
libguestfs: qemu mandatory locking: yes
libguestfs: qemu KVM: enabled
libguestfs: trace: get_backend_setting "force_tcg"
libguestfs: trace: get_backend_setting = NULL (error)
libguestfs: trace: get_sockdir
libguestfs: trace: get_sockdir = "/tmp"
libguestfs: finished testing qemu features
libguestfs: trace: get_backend_setting "gdb"
libguestfs: trace: get_backend_setting = NULL (error)
/usr/bin/qemu-system-x86_64 \
  -global virtio-blk-pci.scsi=off \
  -no-user-config \
  -enable-fips \
  -nodefaults \
  -display none \
  -machine accel=kvm:tcg \
  -cpu host \
  -m 768 \
  -no-reboot \
  -rtc driftfix=slew \
  -no-hpet \
  -global kvm-pit.lost_tick_policy=discard \
  -kernel /var/tmp/guestfs-0/appliance.d/kernel \
  -initrd /var/tmp/guestfs-0/appliance.d/initrd \
  -object rng-random,filename=/dev/urandom,id=rng0 \
  -device virtio-rng-pci,rng=rng0 \
  -device virtio-scsi-pci,id=scsi \
  -drive file=/tmp/
```

```
sparsify438964.qcow2,cache=unsafe,format=qcow2,id=hd0,if=none \  
-device scsi-hd,drive=hd0 \  
-drive file=/var/tmp/.guestfs-0/appliance.d/  
root,snapshot=on,id=appliance,cache=unsafe,if=none,format=raw \  
-device scsi-hd,drive=appliance \  
-device virtio-serial-pci \  
-serial stdio \  
-device sga \  
-chardev socket,path=/tmp/libguestfsN74nn2/guestfsd.sock,id=channel0 \  
-device virtserialport,chardev=channel0,name=org.libguestfs.channel.0 \  
-append "panic=1 console=ttyS0 edd=off udevtimeout=6000 udev.event-  
timeout=6000 no_timer_check printk.time=1 cgroup_disable=memory  
usbcore.nousb cryptomgr.notests tsc=reliable 8250.nr_uarts=1 root=/dev/sdb  
selinux=0 guestfs_verbose=1 TERM=xterm-256color"  
qemu-system-x86_64: error: failed to set MSR 0x48f to 0x7ffff00036dfb  
qemu-system-x86_64: /build/qemu-0Dw8aG/qemu-4.2/target/i386/kvm.c:2691:  
kvm_buf_set_msrs: Assertion `ret == cpu->kvm_msr_buf->nmsrs' failed.  
libguestfs: child_cleanup: 0x55fb786adb30: child process died  
libguestfs: sending SIGTERM to process 2036888  
libguestfs: trace: launch = -1 (error)  
virt-sparsify: error: libguestfs error: guestfs_launch failed, see earlier  
error messages  
libguestfs: trace: close  
libguestfs: closing guestfs handle 0x55fb786adb30 (state 0)  
libguestfs: command: run: rm  
libguestfs: command: run: \ -rf /tmp/libguestfswAQ8g3  
libguestfs: command: run: rm  
libguestfs: command: run: \ -rf /tmp/libguestfsN74nn2  
libguestfs: trace: close  
libguestfs: closing guestfs handle 0x55fb786abe40 (state 0)  
libguestfs: trace: close  
libguestfs: closing guestfs handle 0x55fb786aa570 (state 0)  
libguestfs: trace: close  
libguestfs: closing guestfs handle 0x55fb786a8c10 (state 0)  
root@eve-ng:/opt/unetlab/addons/qemu/win-10test#  
root@eve-ng:/opt/unetlab/addons/qemu/win-10test#
```