```
LESSOPEN=| /usr/bin/lesspipe %s
MAIL=/var/mail/USER
USER=USER
SSH_CLIENT=10.38.128.125 50468 22
LD_LIBRARY_PATH=/usr/local/jdk1.8.0_231//jre/lib/amd64/server:/opt/llvm/llvm-9.0.0-i
nstall/lib:/usr/local/cuda/lib64:
SHLVL=1
HOME=/home/USER
OLDPWD=/home/USER
SSH_TTY=/dev/pts/2
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/97340286/bus
LOGNAME=USER
_=./collect_environment.sh
XDG_SESSION_ID=427
TERM=xterm-256color
PATH=/usr/local/jdk1.8.0_231//bin:/opt/llvm/llvm-9.0.0-install/bin:/usr/local/cuda/b
in:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/loca
l/games:/snap/bin
XDG_RUNTIME_DIR=/run/user/97340286
LANG=en_US.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;
33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;
32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;31:*.lz4=01;
31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7z=01;31:*.zip=01
;31:*.z=01;31:*.Z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.x
z=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.t
z=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.ra
r=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab
=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mj
pg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*
.tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:
*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;3
5:*.mkv=01;35:*.webm=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01
;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;
35:*.avi=01;35:*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35
:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:
*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;3
6:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx=00;36:*.xspf=00;
36:
SHELL=/bin/bash
LESSCLOSE=/usr/bin/lesspipe %s %s
PWD=/home/USER/Author-Kit
SSH_CONNECTION=10.38.128.125 50468 10.18.206.135 22
XDG_DATA_DIRS=/usr/local/share:/usr/share:/var/lib/snapd/desktop
Distributor ID: Ubuntu
Description:    Ubuntu 18.04.4 LTS
Release:        18.04
Codename:       bionic
Linux cci-pivo 5.3.0-46-generic #38~18.04.1-Ubuntu SMP Tue Mar 31 04:17:56 UTC 2020
x86_64 x86_64 x86_64 GNU/Linux
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                32
On-line CPU(s) list:   0-31
Thread(s) per core:    1
Core(s) per socket:    4
Socket(s):             8
NUMA node(s):          2
Vendor ID:             GenuineIntel
CPU family:            6
Model:                 79
Model name:            Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
Stepping:              1
CPU MHz:               2599.998
BogoMIPS:              5199.99
Hypervisor vendor:     VMware
Virtualization type:   full
L1d cache:             32K
L1i cache:             32K
L2 cache:              256K
L3 cache:              40960K
NUMA node0 CPU(s):     0-15
```

```
NUMA node1 CPU(s):     16-31
Flags:                 fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov p
at pse36 clflush mmx fxsr sse sse2 ss ht syscall nx pdpe1gb rdtscp lm constant_tsc a
rch_perfmon nopl xtopology tsc_reliable nonstop_tsc cpuid pni pclmulqdq ssse3 fma cx
16 pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdra
nd hypervisor lahf_lm abm 3dnowprefetch cpuid_fault invpcid_single pti ssbd ibrs ibp
b stibp fsgsbase tsc_adjust bmi1 hle avx2 smep bmi2 invpcid rtm rdseed adx smap xsav
eopt arat md_clear flush_l1d arch_capabilities
MemTotal:       65960804 kB
MemFree:        59607048 kB
MemAvailable:   63964088 kB
Buffers:         1370580 kB
Cached:          2608248 kB
SwapCached:            0 kB
Active:          3508512 kB
Inactive:        1034668 kB
Active(anon):     550692 kB
Inactive(anon):      404 kB
Active(file):    2957820 kB
Inactive(file):  1034264 kB
Unevictable:           0 kB
Mlocked:               0 kB
SwapTotal:        999420 kB
SwapFree:         999420 kB
Dirty:                 8 kB
Writeback:             0 kB
AnonPages:        563848 kB
Mapped:           245880 kB
Shmem:              1972 kB
KReclaimable:    1027304 kB
Slab:            1462864 kB
SReclaimable:    1027304 kB
SUnreclaim:       435560 kB
KernelStack:       15648 kB
PageTables:        27128 kB
NFS_Unstable:          0 kB
Bounce:                0 kB
WritebackTmp:          0 kB
CommitLimit:    33979820 kB
Committed_AS:    4270184 kB
VmallocTotal:   34359738367 kB
VmallocUsed:      173176 kB
VmallocChunk:          0 kB
Percpu:            34048 kB
HardwareCorrupted:     0 kB
AnonHugePages:         0 kB
ShmemHugePages:        0 kB
ShmemPmdMapped:        0 kB
CmaTotal:              0 kB
CmaFree:               0 kB
HugePages_Total:       0
HugePages_Free:        0
HugePages_Rsvd:        0
HugePages_Surp:        0
Hugepagesize:       2048 kB
Hugetlb:               0 kB
DirectMap4k:      675180 kB
DirectMap2M:    10858496 kB
DirectMap1G:    57671680 kB
NAME              MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
loop0                 7:0   0   956K  1 loop /snap/gnome-logs/81
loop1                 7:1   0  93.9M  1 loop /snap/core/9066
loop2                 7:2   0         1 loop
loop3                 7:3   0   3.7M  1 loop /snap/gnome-system-monitor/127
loop4                 7:4   0   4.3M  1 loop /snap/gnome-calculator/704
loop5                 7:5   0   956K  1 loop /snap/gnome-logs/93
loop6                 7:6   0 140.7M  1 loop /snap/gnome-3-26-1604/98
loop7                 7:7   0 140.7M  1 loop /snap/gnome-3-26-1604/97
loop8                 7:8   0 160.2M  1 loop /snap/gnome-3-28-1804/116
loop9                 7:9   0  54.7M  1 loop /snap/core18/1668
loop10                7:10  0  93.8M  1 loop /snap/core/8935
loop11                7:11  0    55M  1 loop /snap/core18/1705
loop12                7:12  0  14.8M  1 loop /snap/gnome-characters/495
```

```
loop13                        7:13   0    4.2M  1 loop /snap/gnome-calculator/544
loop14                        7:14   0   14.8M  1 loop /snap/gnome-characters/399
loop15                        7:15   0    3.7M  1 loop /snap/gnome-system-monitor/135
loop16                        7:16   0   62.1M  1 loop /snap/gtk-common-themes/1506
loop17                        7:17   0  156.7M  1 loop /snap/gnome-3-28-1804/110
loop18                        7:18   0   54.8M  1 loop /snap/gtk-common-themes/1502
loop19                        7:19   0           0 loop
sda                           8:0    0     2T    0 disk
¿¿sda1                        8:1    0   512M    0 part /boot/efi
¿¿sda2                        8:2    0 199.5G    0 part
¿ ¿¿ubuntu--vg-root   253:0   0 198.5G    0 lvm   /
¿ ¿¿ubuntu--vg-swap_1 253:1   0   976M    0 lvm   [SWAP]
¿ ¿¿ubuntu--vg-home   253:2   0   1.8T    0 lvm   /home
¿¿sda3                        8:3    0   1.8T    0 part
  ¿¿ubuntu--vg-home   253:2   0   1.8T    0 lvm   /home
sr0                          11:0    1  1024M    0 rom
Wed Apr 22 17:30:30 2020
+-----------------------------------------------------------------------------+
| NVIDIA-SMI 430.63       Driver Version: 430.63       CUDA Version: 10.1      |
|-------------------------------+----------------------+----------------------+
| GPU  Name        Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap|         Memory-Usage | GPU-Util  Compute M. |
|===============================+======================+======================|
|   0  GRID V100DX-16C      On  | 00000000:02:00.0 Off |                    0 |
| N/A  N/A    P0    N/A /  N/A  |   1040MiB / 16318MiB |      0%      Default |
+-------------------------------+----------------------+----------------------+

+-----------------------------------------------------------------------------+
| Processes:                                                       GPU Memory |
|  GPU       PID   Type   Process name                             Usage      |
|=============================================================================|
|  No running processes found                                                 |
+-----------------------------------------------------------------------------+
H/W path         Device      Class          Description
=====================================================
                             system         Computer
/0                           bus            Motherboard
/0/0                         memory         62GiB System memory
/0/1                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/2                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/3                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/4                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/5                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/6                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/7                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/8                         processor      Intel(R) Xeon(R) CPU E5-2697A v4 @ 2.60GHz
/0/100                       bridge         440BX/ZX/DX - 82443BX/ZX/DX Host bridge
/0/100/1                     bridge         440BX/ZX/DX - 82443BX/ZX/DX AGP bridge
/0/100/7                     bridge         82371AB/EB/MB PIIX4 ISA
/0/100/7.1                   storage        82371AB/EB/MB PIIX4 IDE
/0/100/7.3                   bridge         82371AB/EB/MB PIIX4 ACPI
/0/100/7.7                   generic        Virtual Machine Communication Interface
/0/100/f                     display        SVGA II Adapter
/0/100/10      scsi32        storage        53c1030 PCI-X Fusion-MPT Dual Ultra320 SCSI
/0/100/11                    bridge         PCI bridge
/0/100/11/0                  display        GV100GL [Tesla V100 SXM2 32GB]
/0/100/11/2                  storage        SATA AHCI controller
/0/100/15                    bridge         PCI Express Root Port
/0/100/15/0    ens160        network        VMXNET3 Ethernet Controller
/0/100/15.1                  bridge         PCI Express Root Port
/0/100/15.2                  bridge         PCI Express Root Port
/0/100/15.3                  bridge         PCI Express Root Port
/0/100/15.4                  bridge         PCI Express Root Port
/0/100/15.5                  bridge         PCI Express Root Port
/0/100/15.6                  bridge         PCI Express Root Port
/0/100/15.7                  bridge         PCI Express Root Port
/0/100/16                    bridge         PCI Express Root Port
/0/100/16.1                  bridge         PCI Express Root Port
/0/100/16.2                  bridge         PCI Express Root Port
/0/100/16.3                  bridge         PCI Express Root Port
/0/100/16.4                  bridge         PCI Express Root Port
/0/100/16.5                  bridge         PCI Express Root Port
/0/100/16.6                  bridge         PCI Express Root Port
```

```
/0/100/16.7                    bridge      PCI Express Root Port
/0/100/17                      bridge      PCI Express Root Port
/0/100/17.1                    bridge      PCI Express Root Port
/0/100/17.2                    bridge      PCI Express Root Port
/0/100/17.3                    bridge      PCI Express Root Port
/0/100/17.4                    bridge      PCI Express Root Port
/0/100/17.5                    bridge      PCI Express Root Port
/0/100/17.6                    bridge      PCI Express Root Port
/0/100/17.7                    bridge      PCI Express Root Port
/0/100/18                      bridge      PCI Express Root Port
/0/100/18.1                    bridge      PCI Express Root Port
/0/100/18.2                    bridge      PCI Express Root Port
/0/100/18.3                    bridge      PCI Express Root Port
/0/100/18.4                    bridge      PCI Express Root Port
/0/100/18.5                    bridge      PCI Express Root Port
/0/100/18.6                    bridge      PCI Express Root Port
/0/100/18.7                    bridge      PCI Express Root Port
/1          vethd59d67f        network     Ethernet interface
/2          veth9e1944c        network     Ethernet interface
/3          veth6b74ec9        network     Ethernet interface
/4          veth5d57122        network     Ethernet interface
/5          veth849e4d7        network     Ethernet interface
/6          docker0            network     Ethernet interface
```