# How to use parted

# parted (the Partition Editor) is used to manage partitions. Note: Commands are executed immediately!

sudo su - # First, become root

parted

print all

print free

# Create a new disk in VMPlayer and reboot the machine

parted

print all

select /dev/sdb # Select the new disk

print

mklabel msdos # Create new partition table, use msdos as LABEL-TYPE for generic Linux

print

mkpart primary 1MiB 100% # Create partition

print

rm 1 # Delete partition

print

mkpart primary 1MiB 15GiB # Create partition 1

mkpart primary 15GiB 100% # Create partition 2

print

quit

# commands to display disk characteristics

lsblk

df –T

df –x tmpfs

fdisk –l

lshw –class disk

# commands to format partitions

mkfs -t ext3 /dev/sdb1 # Format partition 1

mkfs -t ext4 /dev/sdb2 # Format partition 2

# cannot change directory to a physical disk

cd /dev/sdb1 # Error: Not a directory

# create a mount point and mount the disk to access its content

ls /media

mkdir /media/b1

mount /dev/sdb1 /media/b1

cd /media/b1

touch testb1

ls