

Roma Mount SSD

Use the following steps to mount the SSD

1. Switch to root account

```
sudo su
```

2. Use the fdisk command to partition the remaining space of /dev/nvme0n1

- a. `fdisk /dev/nvme0n1`
- b. Input cmd: `d` (Delete a partition)
- c. Input cmd: `n` (Add a new partition)
- d. Input cmd: `p` (Print the partition table), Then press “Enter” three times to set the default value.
- e. Input cmd: `w` (Write table to disk and exit)

3. Disk formatting

```
mkfs.ext2 /dev/nvme0n1p1
```

Reference picture

The specific operation steps can be referred to as follows pictures:

```
user@starfive:~$ sudo su
[sudo] password for user:
root@starfive:/home/user# fdisk /dev/nvme0n1

Welcome to fdisk (util-linux 2.38.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS (MBR) disklabel with disk identifier 0xf0ad68bd.

Command (m for help): d
No partition is defined yet!

Command (m for help): m

Help:

DOS (MBR)
  a    toggle a bootable flag
  b    edit nested BSD disklabel
  c    toggle the dos compatibility flag

Generic
  d    delete a partition
  F    list free unpartitioned space
  l    list known partition types
  n    add a new partition
  p    print the partition table
  t    change a partition type
  v    verify the partition table
  i    print information about a partition

Misc
  m    print this menu
  u    change display/entry units
  x    extra functionality (experts only)

Script
  I    load disk layout from sfdisk script file
```

```
Create a new label
g  create a new empty GPT partition table
G  create a new empty SGI (IRIX) partition table
o  create a new empty MBR (DOS) partition table
s  create a new empty Sun partition table

Command (m for help): n
Partition type
  p  primary (0 primary, 0 extended, 4 free)
  e  extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1):
First sector (2048-1953525167, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-1953525167, default 1953525167):

Created a new partition 1 of type 'Linux' and of size 931.5 GiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.

root@starfive:/home/user# mkfs.ext2 /dev/nvme0n1
nvme0n1  nvme0n1p1
root@starfive:/home/user# mkfs.ext2 /dev/nvme0n1p1
mke2fs 1.46.6-rc1 (12-Sep-2022)
Discarding device blocks: done
Creating filesystem with 244190390 4k blocks and 61054976 inodes
Filesystem UUID: 328989ff-de35-4c42-95c4-felcffd3760a
Superblock backups stored on blocks:
      32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
     4096000, 7962624, 11239424, 20480000, 23887872, 71663616, 78675968,
    102400000, 214990848

Allocating group tables: done
Writing inode tables: done
Writing superblocks and filesystem accounting information: done

root@starfive:/home/user#
```