- System migration instructions:

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#If a hard disk is temporarily mounted, You do not need to modify the /etc/fstab file. Therefore, Information: You may need to update /etc/fstab. Is displayed
#Set the disk format to GPT
sudo parted /dev/nvme0n1 mklabel gpt

#Adding a hard drive partition
sudo parted /dev/nvme0n1 mkpart primary 0GB 512GB

#Example Set the PARTUUID of a hard disk
sudo gdisk /dev/nvme0n1     #When executing this command, you need to enter the options and the GUID (PARTUUID) value as follows:
    nvidia@nvidia-desktop:~$ sudo gdisk /dev/mmcblk1
    GPT fdisk (gdisk) version 1.0.3

    Partition table scan:
      MBR: protective
      BSD: not present
      APM: not present
      GPT: present

    Found valid GPT with protective MBR; using GPT.

    Command (? for help): x         #Enter a lowercase x here and press Enter to go to Advanced options

    Expert command (? for help): c      #Enter lowercase c here and press Enter to set GUID for the partition under the hard drive
    Using 1
    Enter the partition's new unique GUID ('R' to randomize): 82c4471a-fac6-4f3e-a829-4fb9700d1205
    #Here output the GUID value to be written after the colon
    New GUID is 82C4471A-FAC6-4F3E-A829-4FB9700D1205

    Expert command (? for help): w  #Here you print a lowercase w after the colon and write the GUID(PARTUUID) value to the unique partition.

    Final checks complete. About to write GPT data. THIS WILL OVERWRITE EXISTING
    PARTITIONS!!

    Do you want to proceed? (Y/N): Y    #Enter a capital Y after the colon to approve the write operation
    OK; writing new GUID partition table (GPT) to /dev/mmcblk1.
    The operation has completed successfully.
    nvidia@nvidia-desktop:~$

#You can run the following command to check whether the PARTUUID in the previous step is successfully written
sudo blkid /dev/nvme0n1p1
    #If the following information is displayed, the modification is successful:
        #PARTUUID="82c4471a-fac6-4f3e-a829-4fb9700d1205"

#Formatted hard disk
```

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sudo mkfs.ext4 /dev/nvme0n1p1

#Mount the hard disk to the /mnt/ path
sudo mount /dev/nvme0n1p1 /mnt

#Run the following command to copy all system files to the path where the hard
disk is mounted. Remember that the hard disk must be mounted before copying
sudo rsync -axHAWX --numeric-ids --info=progress2  /  /mnt

#On an X86 host, perform the following steps to create a new file and specify
PARTUUID. If the file already exists, you do not need to create a new file
cd <flash_dir>/Linux_for_Tegra/bootloader/
echo 82c4471a-fac6-4f3e-a829-4fb9700d1205 > l4t-rootfs-uuid.txt
echo 82c4471a-fac6-4f3e-a829-4fb9700d1205 > l4t-rootfs-uuid.txt_ext

#Set the jetson device that needs to migrate the system to the recovery mode, and
connect the jetson device to the host using A micro USB to usb type A cable.
#Use the following command to scrub the boot partition
cd <flash_dir>/Linux_for_Tegra/
sudo ./flash.sh <board> external
```