🔒 ☑ Can not restore nvme with Orin Nano

EEEXcalibur   **Apr 07 '24**

I am trying backup and restore functions on my custom board, the module is
Jetson Orin Nano 8G, jetpack is 5.1.1.
I use the following command to flash my board

```
 sudo BOARDID=3767 BOARDSKU=0003   ./tools/kernel_flash/l4t_initrd_flash.sh
--external-device nvme0n1p1 -c ./tools/kernel_flash/flash_l4t_external.xml
-p "-c bootloader/t186ref/cfg/flash_t234_qspi.xml" --showlogs --network
usb0 p3509-a02+p3767-0000 nvme0n1p1
```

Then, I use the following command to backup

```
 sudo ./tools/backup_restore/l4t_backup_restore.sh -b p3509-a02+p3767-0000
```

No problems until this step, I formatted the nvme on the custom board to ext4,
and then restored nvme using the following command

```
 sudo ./tools/backup_restore/l4t_backup_restore.sh -r p3509-a02+p3767-0000
```

It fails with **partx: specified range <1:0> does not make sense**
I have tried several times to restore, and replaced the USB cable, but it doesn't
work, can anyone help?
Here is some logs

📥 **flash_log.txt** (92.1 KB)

📥 **device_log.txt** (82.0 KB)

PS：I have changed **mmcblk0** to **nvme0n1** in **nvrestore_partitions.sh** and
nvbackup_partitions.sh, changed **mmcblk0p1** to **internal** in l4t_backup_restore.sh,
before I did the restore and backup.

☑ Solved by **DaveY**   ❝ Quote   📋 Copy Quote   ✗   ✉   solved by **EEEXcalibur**

Apply this patch:

```
diff --git a/scripts/backup-restore/nvrestore_par
index 78ae589..695a700 100755
--- a/scripts/backup-restore/nvrestore_partitions
+++ b/scripts/backup-restore/nvrestore_partitions
@@ -313,10 +313,18 @@
          echo "${SCRIPT_NAME} Checksum of ${FI
          exit 1
     fi
-     # partx delete must be called before flas
-     partx -d "/dev/${INTERNAL_STORAGE_DEVICE]
+     # Delete previous GPT if it exists.
+     if partx -s "/dev/${INTERNAL_STORAGE_DEVI
```

DaveYYY Retired   **Apr 08 '24**

Apply this patch:

```
diff --git a/scripts/backup-restore/nvrestore_par
index 78ae589..695a700 100755
--- a/scripts/backup-restore/nvrestore_partitions
+++ b/scripts/backup-restore/nvrestore_partitions
@@ -313,10 +313,18 @@
          echo "${SCRIPT_NAME} Checksum of ${FI
          exit 1
     fi
-     # partx delete must be called before flas
-     partx -d "/dev/${INTERNAL_STORAGE_DEVICE]
+     # Delete previous GPT if it exists.
+     if partx -s "/dev/${INTERNAL_STORAGE_DEVI
+          partx -d "/dev/${INTERNAL_STORAGE_DE\
+     fi
+     # Flash GPT image, refresh and validate.
     dd if="${FIELDS[1]}" of="/dev/${INTERNAL_
+     sync
     partx -v -a "/dev/${INTERNAL_STORAGE_DEVI
+     if ! partx -s "/dev/${INTERNAL_STORAGE_DE
+          echo "Error: GPT does not exist on th
```

```
+          fi
          GPT_EXISTS=true
```

```
        break
    fi
```

Or manually download 35.5 and replace `Linux_for_Tegra/tools/backup_restore/`
with the one you get in the 35.5 BSP.

🔗 **ORIN restored SSD boot: ERROR: PARTUUID=8c740455-e7e3-4f7d-8902-65e6…**

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