



BMC FRUs

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During the initialization process, the BMC scans all supported interfaces to locate available FRU devices. Each FRU device identified by the BMC is parsed and subsequently added to the BMC's list of FRU devices.

i Info

Currently, the BMC is expected to detect the system FRU located at ID 0, as well as the BMC FRU.

The BMC FRU is available in two different revisions, each specific to the board based on its manufacturing date and type. These revisions are mainly identified by the unique product name given to each board.

FRU Field	Rev-1	Rev-2	Rev-3
FRU device description	Nvidia-BMCMezz (ID 169)	BlueField-3 DPU (ID 243)	BlueField SuperNIC (ID TBD)
Board manufacturing date	<Board-mfg-date>	<Board-mfg-date>	<Board-mfg-date>
Board manufacturer	Nvidia	Nvidia	Nvidia
Board product	Nvidia-BMCMezz	BlueField-3 DPU	BlueField SuperNIC
Board serial	<Board-serial>	<Board-serial>	<Board-serial>
Board part number	<Board-part-number>	<Board-part-number>	<Board-part-number>

BMC FRU Reading IPMI Commands

To retrieve FRU info, run:

```
ipmitool -C 17 -I lanplus -H <bmc_ip> -U ADMIN -P ADMIN fru print
```

Example output:

```
FRU Device Description : Nvidia-BMCMezz (ID 169)
Board Mfg Date        : Wed Nov  8 01:41:00 2023 UTC
Board Mfg             : Nvidia
Board Product        : Nvidia-BMCMezz
Board Serial         : MT2345300006
Board Part Number    : 900-9D3B6-00CV-AAA
Board Area Checksum  : OK
```

To print a specific FRU:

```
ipmitool -C 17 -I lanplus -H <bmc_ip> -U ADMIN -P ADMIN fru print
<fru_id>
```

FRU ID of the BMC FRU EEPROM is optional and can be found using the `fru print` command.

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