VMS Software

How to Manually Boot an OpenVMS IA-64 System from the EFI Shell

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1. How to Manually Boot an OpenVMS IA-64 System From the EFI Shell

This procedure explains how to manually boot an OpenVMS IA-64 system from the EFI Shell when the required boot option does not exist in NVRAM.

1. Log in to the MP Console from the IA-64 system console:

   ```
   MP login: Admin
   MP password: *****
   ...
   ```

   The MP Main Menu is displayed.

   ```
   MP MAIN MENU:

   CO: Console
   VFP: Virtual Front Panel
   CM: Command Menu
   SMCLP: Server Management Command Line Protocol
   ...
   ```

2. Enter `CO` to switch to the EFI console:

   ```
   MP> CO
   ```

3. When the EFI Boot Manager menu is displayed, use the arrow keys and `Enter` to select `EFI Shell [Built-in]`.

   ```
   EFI Boot Manager ver 1.10 [14.61] Firmware ver 2.13 [4412]

   Please select a boot option

   OpenVMS V8.2
   EFI Shell [Built-in]
   Internal Bootable DVD
   Boot Option Maintenance Menu
   System Configuration Menu

   Use ^ and ⌄ to change option(s). Use Enter to select an option
   ```

   Example output:

   ```
   Loading.: EFI Shell [Built-in]

   EFI Shell version 1.10 [14.61]
   ```

```
Device mapping table

fs0 : Acpi(HWP0002,100)/Pci(1|0)/Scsi(Pun0,Lun0)/HD(Part1,Sig80590BE1-8BD3-1)
fs1 : Acpi(HWP0002,100)/Pci(1|0)/Scsi(Pun0,Lun0)/HD(Part4,Sig80590BE0-8BD3-1)

...

Shell>
```

Important

Understanding the File System Mapping

The `FS`*n* device mappings represent all drives available to the console.

For the mappings shown in this example:

- `fs0:` corresponds to device DKA0: on the local OpenVMS system.
- `fs1:` represents another FAT partition on the same local disk.

If a bootable DVD is inserted into the DVD drive, the `fs0:` device mapping will correspond to the DVD device instead of the system disk.

4. Boot OpenVMS from the EFI Shell using the following commands:

```
Shell> fs0:
fs0:\> cd efi\vms
fs0:\efi\vms> vms_loader.efi
```

Alternatively, to perform a conversational boot, enter the following EFI command:

```
fs0:\efi\vms> vms_loader.efi -fl 0,1
```