Basic Tutorial (XIV.1) - Set the default boot item to UEFI Shell



This article describes how to customize the priority of boot items by modifying the UEFI source code. It uses UEFIShell as an example to show how to make it the default boot it hods for adjusting the priority of other boot items.

y is generated in C Know, supported by DeepSeek-R1 full version, go to experience>

ource code

brary/PlatformBootManagerLib/BdsPlatform.c

Al generated projects

```
:OptionPriority (
INST EFI_BOOT_MANAGER_LOAD_OPTION *BootOption
:BUG ((EFI_D_ERROR," [CSDN] BootOptionPriority %S .\n", BootOption->Description));
: (StrCmp (BootOption->Description, L"Boot Device List") == 0) {
  return 4:
Make sure Shell is last
: ( StrStr (BootOption->Description, L"EFI Internal Shell" ) != NULL) {
turn 30;
GC_TODO: add routine description
@param Left - GC_TODO: add arg description
@param Right - GC_TODO: add arg description
@retval (BOOLEAN) (BootOptionPriority (Left) < BootOptionPriority (Right)) - GC_TODO: add retval description
1
pareBootOption (
I CONST VOID
                            *Buffer1.
I CONST VOID
                            *Buffer2
:turn (BOOLEAN) (BootOptionPriority ((EFI_BOOT_MANAGER_LOAD_OPTION *) Buffer1) > BootOptionPriority ((EFI_BOOT_MANAGER_LOAD_OPTION *) Bu
١PI
:formBootManagerAfterConsole (
```

```
Register UEFI Shell
.atformRegisterFvBootOption (
&gUefiShellFileGuid, L"EFI Internal Shell", LOAD_OPTION_ACTIVE
);
.
'Add default boot first option as uefi shell
:BUG ((EFI_D_ERROR," [CSDN]: EfiBootManagerSortLoadOptionVariable before.\n"));
'iBootManagerSortLoadOptionVariable (LoadOptionTypeBoot, CompareBootOption);
:BUG ((EFI_D_ERROR," [CSDN]: EfiBootManagerSortLoadOptionVariable after.\n"));
.
```

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Senerate EFI file & 运行

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00000F00 00001148 0000159A
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 JEFI OEMU OEMU USB HARDDRIVE 1-0000:00:01.2-1
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1728
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 001F
                                                                                                                                                                                                                                                                                                          1729
                                                                                                                                                                                                                                                                                                                             InstallProtocolInterface: Se1831A1*9362*1102*863**-0V00C997283*1EF61040**
Loading driver at 0x0001E230000 EntryPoint=0x0001E23000 Shell.efi
InstallProtocolInterface: BC62157E-3E33-4FEC-9920-2D3B36D750DF 1EFC7E18
ProtectUefilmageCommon - 0x1EF81040
- 0x000000001E230000 - 0x00000000000E0160
BdsDxc: starting Boot0004 "EF1 Internal Shell" from Fv(7CB8BDC9-F8EB-4F34-AAE/A
001F
                                                                                                                                                                                                                                                                                                          1730
PciRoot(0x0)/Pci(0x1,0x2)/USB(0x0,0x0) -> <null string>
to load Boot0002 "UEFI QEMU QEMU USB HARDDRIVE 1-0000:00:01.2-1" from PciRoot(0x0)/Pci(0x1,0x2)/USB(0x0us Current Next
Pages Pages
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1733
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Install Protocol Interface: 75273136-4E16-4FDC-A22A-E5F46812F4CA 1EF77E18 
Install Protocol Interface: 6302D008-7F9B-4F30-87AC-60C9FEF5DA4E 1E2B7920 
■ SEM [01;01HUEFI Interactive Shell v2.2
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 Ctrl+Alt+G to release grab
                                                                                                                                                                                                                                                                               QEMU - Press Ctrl+Alt+G to release grab
    1> dønstore BootOrder
                                                                                                                                                                                                                                                                                                          iable NV+RT+BS 'EFIGIobalUariable BootOrder' DataSize = 0x0A
0000000: 00 00 01 00 02 00 03 00 04 00 00 *..
11> dmpstore Boot0004
  | Mariable | NU+RT+BS 'EFIGIobalUariable: Boot0004' | DataSize = 0x | 00000000: 01 00 00 00 2C 00 45 00-46 00 49 00 20 00 49 00 | 00000010: 6E 00 74 00 65 00 72 00-6E 00 61 00 6C 00 20 00 |
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                                                                                                                                                                                                                                                                                                                00000020: 53 00 68 00 65 00 6C 00-6C 00 00 00 00 4 07 14 00 00000030: C9 BD B8 7C EB F8 34 4F-AA EA 3E E4 AF 65 16 A1 00000040: 04 06 14 00 83 A5 04 7C-3E 9E 1C 4F AD 65 E0 52
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     000050: 68 DO B4 D1 7F FF 04 00
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https://blog.csdn.net/
                                                                                                                                                                                                                                                                                                           FS0:\>
```

Shell as the default startup item, the BIOS will load Shell first when it starts (for OVMD, it does not need to wait for the previous PXE and QEMU USB to load, who of course, if you need to set other startup items as the default, you only need to BootOptionPriority modify. StrCmp (BootOption->Description, L"EFI Interform (BootOption->Description, L"XXXX")

Default Boot Order DEMO source code

法 「它」的人!1元在路飞6天速成!

疯抢的技能,0基础学完简历加码→薅羊毛入口