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

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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

```
N
OptionPriority (
NST 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) {
   return 1;

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




PI
areBootOption (
 CONST VOID                 *Buffer1,
 CONST VOID                 *Buffer2


turn (BOOLEAN) (BootOptionPriority ((EFI_BOOT_MANAGER_LOAD_OPTION  *) Buffer1) > BootOptionPriority ((EFI_BOOT_MANAGER_LOAD_OPTION  *) Bu



PI
formBootManagerAfterConsole (
ID
```

```
' 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"));
```

收起 ∧

Generate EFI file & 运行

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, wh

Of course, if you need to set other startup items as the default, you only need to `BootOptionPriority` modify . `StrCmp (BootOption->Description, L"EFI Inte`

`rCmp (BootOption->Description, L"XXXX")`

Default Boot Order DEMO source code

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