**# Title:**

Add 'connect' argument to bcfg command

**# Status:**

Draft

**# Document:**

UEFI Shell Specification 2.2

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**# Summary of the change**

Add a new argument ‘connect’ to bcfg command, which allow user to specify class of devices connected at boot using Boot Policy Manager.

**# Benefits of the change**

For some platforms drivers are connected selectively during boot to speed

up boot process. Results in drivers for previously discovered devices gets

connected/enumerated on a fast boot. Problems with use-cases that require booting from newly inserted devices, or require full enumeration for inventory/device, etc..

Boot Policy Manager Protocol is defined (and implemented in EDK2) to configure the boot policy, but currently there is no command which allows the user to select the desired policy. These proposal adds the possibility for user to select the class of devices which should be connected at boot.

**# Impact of the change**

Change to bcfg desciption and implementation is needed to allow user to specify the class of devices to connect .

**# Detailed description of the change [normative updates]**

* Insertions in **green**
* Removals in ~~red~~

**5.3 Shell Commands**

**...**

**bcfg**

**….**

**Usage**

**…**

**bcfg driver|boot [mod # “desc”] | [modf # file] | [modp # file] | [modh #**

**handle]**

**bcfg driver|boot [-opt # [[filename]|[”data”]] | [KeyData <ScanCode**

**UnicodeChar>\*]]**

**bcfg connect [minimal|net|all]**

**…**

**Options**

**…**

**boot**

Display/modify the boot option list

**connect**

Specify class of devices, which shall be connected at boot

**all**

Connect option, which forces connections of all the device at the boot

**net**

Connect option, which forces connection of network device at the boot

**minimal**

Connect option which allows user to only connect required devices during boot

time

**…**

**Description**

**…**

The -opt option can update Driver#### or Boot#### options when using a file or quote delimited data. When adding hotkeys they will be created as Key#### and only support Boot (not Driver)

The connect option can be used to specify the class of devices which shall be connected during the boot time.

**Examples**

**...**

To modify the device path in boot option #8 to the path associated with device handle 26F:

Shell> bcfg boot modh 8 26f

To force connection of all the device at the boot

Shell> bfcg connect all

To connect only required devices during boot time

Shell> bcfg connect minimal