

EFI Commands

Boot Class

autoboot - View or set autoboot timeout variable
bcfg - Displays/modifies the driver/boot configuration
dblk - Displays the contents of blocks from a block device
boottest - Set/View BootTest bits
lanboot - Performs a boot over lan
mount - Mounts a file system on a block device
reset - Resets the system
vol - Displays volume information of the file system

Configuration Class

cpuconfig - Deconfigure or reconfigure cpus
date - Displays the current date or sets the date in the system. The date format is: mm/dd/yyyy.
err - Displays or changes the error level
errdump - View/Clear logs
info - Display hardware information
lanaddress - Shows MAC address of the system (not MP)
monarch - View or set the monarch processor
palproc - Make a PAL procedure call
salproc - Make a SAL procedure call
time - Displays the current time or sets the time of the system. The time format is: hh:mm:ss.
ver - Displays the version information

Device Class

baud - Set Serial port com settings
connect - Binds an EFI driver to a device and starts the driver
devices - Displays the list of devices being managed by EFI drivers
devtree - Displays the tree of devices that follow the EFI Driver Model
disconnect - Disconnects one or more drivers from a device
dh - Displays the handles in the EFI environment
driver - Lists and installs ROM-based drivers

drivers - Displays the list of drivers that follow the EFI Driver Model
drvcfg - Invokes the Driver Configuration Protocol
drvdiag - Invokes the Driver Diagnostics Protocol
guid - Displays all the GUIDs in the EFI environment
lanaddress - Display core I/O MAC address
load - Loads and optionally connects EFI drivers
loadpcirom - Loads a PCI Option ROM
map - Displays or defines mappings
openinfo - Displays the protocols on a handle and the agents
pci - Displays PCI devices or PCI function configuration space
reconnect - Reconnects one or more drivers from a device
unload - Unloads a protocol image

Memory Class

default Sets, Resets, or Clears default NVM values
dmpstore Displays all NVRAM variables
dmem Displays the contents of memory
memmap Displays the memory map
mm Displays or modifies MEM/IO/PCI
pdt View or set pdt

Shell Class

alias - Displays, creates, or deletes aliases in the EFI shell
attrib - Displays or changes the attributes of files or directories
cd - Displays or changes the current directory
cls - Clears the standard output with an optional background color
comp - Compares the contents of two files
cp - Copies one or more files/directories to another location
edit - Edits an ASCII or UNICODE file in full screen
eficompress - Compress a file
efidecompress - Uncompress a file
exit - Exits the EFI Shell
help - Displays help menus, command list, or verbose help of a command
hexedit - Edits with hex mode in full screen
ls - Displays a list of files and subdirectories in a directory

mkdir - Creates one or more directories
mode - Displays or changes the mode of the console output device
mv - Moves one or more files/directories to destination
rm - Deletes one or more files or directories
set - Displays, creates, changes or deletes EFI environment variables
setsize - Sets the size of the file
touch - Updates time with current time
type - Displays the contents of a file
verbose -
xchar - Turn on/off extended character features

Scripts Class

echo - Displays messages or turns command echoing on or off
for/endor - Executes commands for each item in a set of items
goto - Makes batch file execution jump to another location
if/endif - Executes commands in specified conditions
pause - Prints a message and suspends for keyboard input; exit on 'q' or 'Q'
stall - Stalls the processor for some microseconds

POSSE Commands

Provide an additional feature to aid those familiar with BCH menus adjust to their equivalent functions in EFI.

COnfiguration	help bch co
INformation	help bch in
PAth	help bch pa
ScRoll	help bch sr
SEARch	help bch sea
SERvice	help bch ser
BOot	help bch bo
HEIp	help bch he
RESET	help bch reset
MAIn	help bch ma

MP Commands

(<Ctrl> + to access)

Status Commands

CL - Console history
CP* - Display partition cell assignments
DF - Display Field Replaceable Unit ID
IO* - Display IO chassis/cell connectivity
LS - LAN status
MS - Status of the modem
PS - Power management module status
SL - Status Logs
SR - Display all firmware revisions
SS - System's processor status
SYSREV* - Display revisions of all firmware entities in the complex.
VFP - Virtual front panel display

Service and Control Commands

BO* - Boot a partition
MFG* - Enter the manufacturing mode. Quit with qmm or with this command
MR - Modem reset
PC - Remote power control
PCIOLAD* - Activate/Deactivate a PCI card.
PE* - Power entities on or off
RR* - Reset a partition for reconfiguration
RS - System reset from RST signal
TC - Transfer of control; system reset through INIT signal
VM* - Margin the voltage in a cabinet

General MP Configuration Commands

AC - Alert display configuration
BP - Reset BMC password
CE - Log a chassis code in the MP chassis code history buffer
CG - Generate RSA key pair of Self Signed Certificate
CT - Configure tracing into MP firmware
DATE* - Set the time and date
DC - Default configuration
EX - Exit from the MP command mode
HE - Prints a Help menu
IT - Modify MP inactivity timeout
LOC - Locator LED
OT - Disable over temperature control
PR - Power Restore Policy Configuration
RB - BMC reset through Toggle GPIO pin

SDM - Set display mode (hex or text)
SO - Security options and access control
VT - View trace buffer
XD - MP diagnostics and reset
XU - Upgrade the MP firmware
ZCTGNAYOR - Clear GSP NVM at your own risk
ZDTPMT - Dump the GSP internal postmortem trace

MP Port Configuration Commands

CA - Configure serial port parameters
DL* - Disable Lan console access
EL - Enable LAN access options: telnet and web permissions
ER - Enable remote; modem access configurations
LC - Configure the LAN
ND* - Enable/Disable Network Diagnostics
PG - Configure paging
CO - Return to the redirected console mode
CSP - Connect to another service processor
DI - Disconnect remote or LAN connection
SE - Activate a system session on locator remote port
TE - Send message to other user
WHO - Display a list of connected users

MP Complex Profile Commands

AR* - Configure the Automatic System Restart
CC* - Initiate a Complex Configuration
CP* - Display partition cell assignments
ID* - Change certain stable complex configuration profile fields
IO* - Display IO chassis/cell connectivity
PARPERM* - Enable/Disable Partition Reconfiguration
PD* - Modify default Partition for this login session.
RL* - Rekey Complex Profile Lock

Manufacturing Mode Commands

CM* - Modify clock margin
GSPMFG - Enter the manufacturing mode
GSPQMM - Quit the manufacturing mode
MFG - Enter (Exit*) the manufacturing mode
QMM - Quit the manufacturing mode
RD* - Read utility processor memory

RU* - Reset MP bus device
WF* - Write FRU ID data of an entity
WR* - Write utility processor memory

BCM/CLI Commands

(Esc (to access)

(Esc Q to quit)

(rx2600/zx6000/zx2000)

c - change password
fpl - read forward progress log
i - send any IPMI message
ipmi - used to change parameters like product id
loc - 0,1 locator LED control
p - 0,1 system power control
rs - reset system through RST signal
sd - read SDR repository
se - read System Event Log

How to get MCA:

- 1) From EFI Shell:
Shell>errdump mca (can also get CMC using "errdump cmc" and CPE "errdump cpe")
- 2) From HPUX:
Binary files under /var/tombstones in the following format:
/var/tombstones/mcannnnnnnnnn.c
nnnnnnnnnn = Date info
c = processor
Feed each binary file for this MCA to "salinfo"
mcann...n.1 salinfo >> mcann...n.txt
...
mcann...n.P salinfo >> mcann...n.txt
where P is number of processors

File can be analyzed manually or using Analyzer tool.

* Only available on Orca, Eiger and Olympia

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