==========================================================================================================================

How to Fix DSDT using Clover (since rev. 479)

----------------------------------------------------------------

New setting in /EFI/config.plist:

ACPI:

<key>FixDsdtMask</key>

<string>0xFFFF</string>

Suggest to remove /EFI/ACPI/patched/dsdt.aml if get kernel panic.

All mask values are as below. Some patches need Method DTGP (0x0001) to work fine.

Definition of 0x00FF:

0000 0000 0000 0001 = 0x0001 = FIX\_DTGP

0000 0000 0000 0010 = 0x0002 = FIX\_WARNING

0000 0000 0000 0100 = 0x0004 = FIX\_SHUTDOWN

0000 0000 0000 1000 = 0x0008 = FIX\_MCHC

0000 0000 0001 0000 = 0x0010 = FIX\_HPET

0000 0000 0010 0000 = 0x0020 = FIX\_LPC

0000 0000 0100 0000 = 0x0040 = FIX\_IPIC

0000 0000 1000 0000 = 0x0080 = FIX\_SBUS

Definition of 0xFF00:

0000 0001 0000 0000 = 0x0100 = FIX\_DISPLAY

0000 0010 0000 0000 = 0x0200 = FIX\_IDE

0000 0100 0000 0000 = 0x0400 = FIX\_SATA

0000 1000 0000 0000 = 0x0800 = FIX\_FIREWIRE

0001 0000 0000 0000 = 0x1000 = FIX\_USB

0010 0000 0000 0000 = 0x2000 = FIX\_LAN

0100 0000 0000 0000 = 0x4000 = FIX\_WIFI

1000 0000 0000 0000 = 0x8000 = FIX\_HDA

How to use dsdt fix:

--------------------

0000 0000 1111 1111 = 0x00FF = Fix all of bit(0) ~ bit(7).

1111 1111 0000 0000 = 0xFF00 = Fix all of bit(8) ~ bit(15). Need to be 0xFF01 with method DTGP first.

You can fix dsdt for single function. Need method DTGP to work without dsdt.aml.

0000 0000 0000 1001 = 0x0009 = DTGP + MCHC

0000 0000 0010 0001 = 0x0021 = DTGP + LPC

0000 0000 1000 0001 = 0x0081 = DTGP + SBUS

0000 0001 0000 0001 = 0x0101 = DTGP + DISPLAY

0000 0010 0000 0001 = 0x0201 = DTGP + IDE

0000 0100 0000 0001 = 0x0401 = DTGP + SATA

0000 1000 0000 0001 = 0x0801 = DTGP + FIREWIRE

0001 0000 0000 0001 = 0x1001 = DTGP + USB

0010 0000 0000 0001 = 0x2001 = DTGP + LAN

0100 0000 0000 0001 = 0x4001 = DTGP + WIFI

1000 0000 0000 0001 = 0x8001 = DTGP + HDA

Or fix dsdt for multi functions. Need method DTGP to work without dsdt.aml.

0000 0101 0000 0001 = 0x0501 = DTGP + DISPLAY + SATA

0011 0001 0000 0001 = 0x3101 = DTGP + DISPLAY + USB + LAN

1011 0101 0000 0001 = 0xB501 = DTGP + DISPLAY + SATA + USB + LAN + HDA

==========================================================================================================================