



OpenCore

Reference Manual (0.6.~~1~~.2)

[2020.09.10]

- **TryOverwrite** — **Overwrite** if new size is \leq than the page-aligned original and there are no issues with legacy region unlock. **Create** otherwise. Has issues with some firmwares.
- **Create** — Replace the tables with newly allocated `EfiReservedMemoryType` at `AllocateMaxAddress` without any fallbacks.
- **Overwrite** — Overwrite existing `gEfiSmbiosTableGuid` and `gEfiSmbiosTable3Guid` data if it fits new size. Abort with unspecified state otherwise.
- **Custom** — Write SMBIOS tables (`gEfiSmbios(3)TableGuid`) to `gOcCustomSmbios(3)TableGuid` to workaround firmwares overwriting SMBIOS contents at `ExitBootServices`. Otherwise equivalent to **Create**. Requires patching `AppleSmbios.kext` and `AppleACPIPlatform.kext` to read from another GUID: "EB9D2D31" - "EB9D2D35" (in ASCII), done automatically by `CustomSMBIOSGuid` quirk.

Note: A side effect of using **Custom** approach is making SMBIOS updates exclusive to macOS, avoiding a collision with existing Windows activation and custom OEM software but potentially breaking Apple-specific tools.

6. Generic

Type: plist dictionary

Description: Update all fields. This section is read only when **Automatic** is active.

7. DataHub

Type: plist dictionary

Optional: When **Automatic** is true

Description: Update Data Hub fields. This section is read only when **Automatic** is not active.

8. PlatformNVRAM

Type: plist dictionary

Optional: When **Automatic** is true

Description: Update platform NVRAM fields. This section is read only when **Automatic** is not active.

9. SMBIOS

Type: plist dictionary

Optional: When **Automatic** is true

Description: Update SMBIOS fields. This section is read only when **Automatic** is not active.

10.2 Generic Properties

1. SpoofVendor

Type: plist boolean

Failsafe: false

Description: Sets SMBIOS vendor fields to **Acidanthera**.

It is dangerous to use Apple in SMBIOS vendor fields for reasons given in **SystemManufacturer** description. However, certain firmwares may not provide valid values otherwise, which could break some software.

2. AdviseWindows

Type: plist boolean

Failsafe: false

Description: Forces Windows support in **FirmwareFeatures**.

Added bits to **FirmwareFeatures**:

- **FW_FEATURE_SUPPORTS_CSM_LEGACY_MODE** (0x1) - Without this bit it is not possible to reboot to Windows installed on a drive with EFI partition being not the first partition on the disk.
- **FW_FEATURE_SUPPORTS_UEFI_WINDOWS_BOOT** (0x20000000) - Without this bit it is not possible to reboot to Windows installed on a drive with EFI partition being the first partition on the disk.

3. ProcessorType Type: plist integer

Failsafe: Automatic

Description: Refer to SMBIOS ProcessorType.

4. SystemProductName

Type: plist string

Failsafe: MacPro6,1

Description: Refer to SMBIOS SystemProductName.