

```
0:100 0:100 MemLog initied, TSC freq: 4008543470
0:100 0:000 CPU was calibrated without ACPI PM Timer: ACPI I/O space is not
enabled., use RTC
0:100 0:000
0:100 0:000 Now is 3.9.2017, 14:23:35 (GMT)
0:100 0:000 Starting Clover revision: 4173 on American Megatrends EFI
0:100 0:000 Build with: [Args: -mc --no-usb -D
NO_GRUB_DRIVERS_EMBEDDED -D CHECK_FLAGS -t XCODE8 | -D
DISABLE_USB_SUPPORT -D NO_GRUB_DRIVERS_EMBEDDED -D CHECK_FLAGS
-D USE_BIOS_BLOCKIO -D USE_LOW_EBDA -a X64 -b RELEASE -t XCODE8 -n
9 | OS: 10.12.5 | XCODE: 8.3.3]
0:100 0:000 SelfDevicePath=PciRoot(0x0)\Pci(0x1D,
0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-
B0-61-5C-38-25-00)\HD(1,GPT,E2B3F3DF-5489-4E1F-9CCA-518315831879,0
x28,0x64000) @8B32FA98
0:100 0:000 SelfDirPath = \EFI\BOOT
0:101 0:000 === [ Get Smbios ]
=====
0:101 0:000 Type 16 Index = 0
0:101 0:000 Total Memory Slots Count = 4
0:101 0:000 Type 17 Index = 0
0:101 0:000 SmbiosTable.Type17->Speed = 2400MHz
0:101 0:000 SmbiosTable.Type17->Size = 16384MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = BANK 0 ChannelA-DIMM1
0:101 0:000 SmbiosTable.Type17->Vendor = Samsung
0:101 0:000 SmbiosTable.Type17->SerialNumber = 9931073A
0:101 0:000 SmbiosTable.Type17->PartNumber = M378A2K43BB1-CRC
0:101 0:000 Type 17 Index = 1
0:101 0:000 Ignoring insane frequency value 0MHz
0:101 0:000 SmbiosTable.Type17->Speed = 0MHz
0:101 0:000 SmbiosTable.Type17->Size = 0MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = BANK 1 ChannelA-DIMM2
0:101 0:000 SmbiosTable.Type17->Vendor = <null string>
0:101 0:000 SmbiosTable.Type17->SerialNumber = <null string>
0:101 0:000 SmbiosTable.Type17->PartNumber = <null string>
0:101 0:000 Type 17 Index = 2
0:101 0:000 Ignoring insane frequency value 0MHz
0:101 0:000 SmbiosTable.Type17->Speed = 0MHz
0:101 0:000 SmbiosTable.Type17->Size = 0MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = BANK 2 ChannelB-DIMM1
0:101 0:000 SmbiosTable.Type17->Vendor = <null string>
0:101 0:000 SmbiosTable.Type17->SerialNumber = <null string>
0:101 0:000 SmbiosTable.Type17->PartNumber = <null string>
0:101 0:000 Type 17 Index = 3
```

```

0:101 0:000 Ignoring insane frequency value 0MHz
0:101 0:000 SmbiosTable.Type17->Speed = 0MHz
0:101 0:000 SmbiosTable.Type17->Size = 0MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = BANK 3 ChannelB-DIMM2
0:101 0:000 SmbiosTable.Type17->Vendor = <null string>
0:101 0:000 SmbiosTable.Type17->SerialNumber = <null string>
0:101 0:000 SmbiosTable.Type17->PartNumber = <null string>
0:101 0:000 Boot status=0
0:101 0:000 Running on: 'System Product Name' with board 'SABERTOOTH
Z170 S'
0:101 0:000 === [ GetCPUProperties ]
=====
0:101 0:000 CPU Vendor = 756E6547 Model=506E3
0:101 0:000 The CPU supported SSE4.1
0:101 0:000 The CPU supported turbo
0:101 0:000 BrandString = Intel(R) Core(TM) i7-6700K CPU @ 4.00GHz
0:101 0:000 TSC/CCC Information Leaf:
0:101 0:000 numerator : 334
0:101 0:000 denominator : 2
0:101 0:000 Calibrated ARTFrequency: 24003254
0:101 0:000 MSR 0xE2 before patch 00000000
0:101 0:000 MSR 0xCE 00080838_F1012800
0:101 0:000 MSR 0x1A0 00850089
0:101 0:000 corrected FLEX_RATIO = E0000
0:101 0:000 MSR 0x1B0 00000000
0:101 0:000 FSBFrequency = 100 MHz, DMI FSBFrequency = 100 MHz,
Corrected FSBFrequency = 100 MHz
0:101 0:000 MaxDiv/MinDiv: 40.0/8
0:101 0:000 Turbo: 42/42/42/42
0:101 0:000 Features: 0xBFEBFBFF
0:101 0:000 Threads: 8
0:101 0:000 Cores: 4
0:101 0:000 FSB: 100 MHz
0:101 0:000 CPU: 4000 MHz
0:101 0:000 TSC: 4000 MHz
0:101 0:000 PIS: 100 MHz
0:101 0:000 ExternalClock: 25 MHz
0:101 0:000 === [ GetDevices ]
=====
0:101 0:000 PCI (00|00:00.00) : 8086 191F class=060000
0:101 0:000 PCI (00|00:01.00) : 8086 1901 class=060400
0:101 0:000 PCI (00|01:00.00) : 10DE 1D01 class=030000
0:101 0:000 - GFX: Model=Unknown family 138 (Nvidia)
0:101 0:000 PCI (00|01:00.01) : 10DE 0FB8 class=040300
0:101 0:000 - HDMI Audio:
0:101 0:000 PCI (00|00:14.00) : 8086 A12F class=0C0330

```

```
0:101 0:000 PCI (00|00:16.00) : 8086 A13A class=078000
0:101 0:000 PCI (00|00:17.00) : 8086 A102 class=010601
0:101 0:000 PCI (00|00:1B.00) : 8086 A167 class=060400
0:101 0:000 PCI (00|00:1C.00) : 8086 A110 class=060400
0:101 0:000 PCI (00|00:1C.02) : 8086 A112 class=060400
0:101 0:000 PCI (00|04:00.00) : 14E4 4331 class=028000
0:101 0:000 - WIFI: Vendor=Broadcom
0:101 0:000 PCI (00|00:1C.04) : 8086 A114 class=060400
0:101 0:000 PCI (00|05:00.00) : 1B21 1242 class=0C0330
0:101 0:000 PCI (00|00:1D.00) : 8086 A118 class=060400
0:101 0:000 PCI (00|06:00.00) : 144D A804 class=010802
0:101 0:000 PCI (00|00:1F.00) : 8086 A145 class=060100
0:101 0:000 PCI (00|00:1F.02) : 8086 A121 class=058000
0:101 0:000 PCI (00|00:1F.03) : 8086 A170 class=040300
0:101 0:000 PCI (00|00:1F.04) : 8086 A123 class=0C0500
0:101 0:000 PCI (00|00:1F.06) : 8086 15B8 class=020000
0:101 0:000 - LAN: 0 Vendor=Intel
0:101 0:000 === [ GetDefaultSettings ]
=====
0:101 0:000 Clover load options size = 0 bytes
0:105 0:004 EFI\CLOVER\config.plist loaded: Success
0:105 0:000 === [ GetListOfThemes ]
=====
0:108 0:003 - [00]: embedded
0:117 0:008 - [00]: random
0:119 0:002 - [00]: tonymacx86
0:120 0:001 === [ Found config plists ]
=====
0:127 0:006 - config-backup.plist
0:132 0:005 - config.plist
0:133 0:000 === [ GetEarlyUserSettings ]
=====
0:133 0:000 timeout set to 3
0:133 0:000 Custom boot CUSTOM_BOOT_DISABLED (0x0)
0:133 0:000 KextsToPatch: 5 requested
0:133 0:000 - [00]: AppleHDA (t1-10.12-AppleHDA/Realtek ALC...) ::
BinPatch :: data len: 4
0:133 0:000 - [01]: AppleHDA (t1-10.9-10.12-AppleHDA/Realtek ALC1150) ::
BinPatch :: data len: 4
0:133 0:000 - [02]: AppleAHCIPort (External icons patch) :: BinPatch :: data
len: 8
0:133 0:000 - [03]: AppleUSBXHCIPCI (Increase 15 port limit to 26 in
AppleUSBXHCIPCI) :: BinPatch :: data len: 7
0:133 0:000 - [04]: AppleIntelSKLGraphicsFramebuffer (10.11-
SKL-1912000-4_displays) :: BinPatch :: data len: 4
0:133 0:000 Default theme: embedded
```

```

0:133 0:000 Hiding entries with string Windows
0:133 0:000 Hiding entries with string \EFI\BOOT\BOOTX64.EFI
0:133 0:000 === [ LoadDrivers ]
=====
0:133 0:000 Loading AppleImageCodec-64.efi status=Success
0:145 0:012 Loading AppleKeyAggregator-64.efi status=Success
0:149 0:003 Loading AppleUITheme-64.efi status=Success
0:154 0:004 Loading DataHubDxe-64.efi status=Success
0:160 0:006 Loading EmuVariableUefi-64.efi status=Success
0:168 0:007 EmuVariableUefi Initialize: VariableCommonInitialize = Success,
orig services stored, install gEmuVariableControlProtocolGuid = Success
0:172 0:004 Loading FirmwareVolume-64.efi status=Success
0:179 0:006 Loading FSInject-64.efi status=Success
0:185 0:005 Loading OsxAptioFix2Drv-64.efi status=Success
0:191 0:005 Loading OsxFatBinaryDrv-64.efi status=Success
0:200 0:009 Loading SMCHelper-64.efi status=Success
0:206 0:006 Loading VBoxHfs-64.efi status=Success
0:208 0:001 - driver needs connecting
0:212 0:003 Loading NTFS.efi status=Success
0:222 0:010 - driver needs connecting
0:222 0:000 2 drivers needs connecting ...
0:222 0:000 PlatformDriverOverrideProtocol->GetDriver overridden
0:222 0:000 Searching for invalid DiskIo BY_DRIVER connects: not found, all
ok
0:660 0:437 EmuVariable InstallEmulation: orig vars copied, emu.var.services
installed, CreateEvent VirtualAddressChange = Success, CreateEvent
ExitBootServices = Success, set Status=Success
0:745 0:084 === [ InitScreen ]
=====
0:745 0:000 SetScreenResolution: 3440x1440 - not found!
0:745 0:000 SetMaxResolution: found best mode 3: 1280x1024
0:889 0:143 Video mode change to mode #3: Success
0:889 0:000 - set
0:889 0:000 Console modes reported: 4, available modes:
0:889 0:000 - [01]: 80x25 (current mode)
0:889 0:000 - [02]: 80x50
0:889 0:000 - [03]: 100x31
0:889 0:000 - [04]: 160x53
0:889 0:000 SetScreenResolution: 1280x1024 - already set
0:889 0:000 reinit: self device path=PciRoot(0x0)\Pci(0x1D,
0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-
B0-61-5C-38-25-00)\HD(1,GPT,E2B3F3DF-5489-4E1F-9CCA-518315831879,0
x28,0x64000)
0:891 0:001 Using embedded font: Success
1:609 0:718 === [ GetMacAddress ]
=====

```

```

1:609 0:000 === [ ScanSPD ]
=====
1:609 0:000 SMBus device : 8086 A123 class=0C0500 status=Success
1:609 0:000 SMBus CmdReg: 0x3
1:609 0:000 Scanning SMBus [8086:A123], mmio: 0xDF44A004, ioport:
0xF000, hostc: 0x11
1:609 0:000 Slots to scan [8]...
1:609 0:000 SPD[0]: Got invalid type 0 @0x50. Will set page and retry.
1:610 0:000 SPD[0]: Type 12 @0x50
1:628 0:017 Unknown vendor bank=0x80 code=0xCE
1:628 0:000 DDR speed 2400MHz
1:628 0:000 Slot: 0 Type 26 16384MB 2400MHz Vendor=NoName
PartNo=M378A2K43BB1-CRC SerialNo=090903010007030A
1:629 0:001 === [ GetAcpiTablesList ]
=====
1:629 0:000 Get Acpi Tables List from RSDT:
1:629 0:000 - [00]: FACP A M I len=132
1:629 0:000 - [01]: APIC A M I len=188
1:629 0:000 - [02]: FPDT A M I len=68
1:629 0:000 - [03]: DBG2 len=84
1:629 0:000 - [04]: MCFG A M I len=60
1:629 0:000 - [05]: SSDT SataTabl len=912
1:629 0:000 - [06]: FIDT A M I len=156
1:629 0:000 - [07]: SSDT SaSsdt len=12628
1:629 0:000 - [08]: SSDT PegSsdt len=9534
1:629 0:000 - [09]: HPET SKL len=56
1:629 0:000 - [10]: SSDT OEM_RTD3 len=36
1:629 0:000 - [11]: SSDT xh_rvp08 len=2835
1:629 0:000 - [12]: UEFI EDK2 len=66
1:629 0:000 - [13]: SSDT CpuSsdt len=3806
1:629 0:000 - [14]: LPIT SKL len=148
1:629 0:000 - [15]: WSMT SKL len=40
1:629 0:000 - [16]: SSDT sensrhub len=671
1:629 0:000 - [17]: SSDT PtidDevc len=12290
1:629 0:000 - [18]: DBGP len=52
1:629 0:000 Calibrated TSC Frequency = 4008543470 = 4008MHz
1:629 0:000 === [ GetUserSettings ]
=====
1:629 0:000 USB FixOwnership: no
1:629 0:000 - final DSDT Fix mask=00000004
1:629 0:000 PatchesDSDT: 1 requested
1:629 0:000 - [00]: (Rename HDAS to HDEF) lenToFind: 4, lenToReplace: 4
1:629 0:000 Use latest BiosVersion from clover
1:629 0:000 BiosVersion: IM171.88Z.0110.B00.1708080012
1:629 0:000 BiosReleaseDate: 08/08/2017
1:629 0:000 ChassisType: 0xD

```

1:635 0:005 === [ScanVolumes]

=====

1:635 0:000 Found 19 volumes with blockIO

1:635 0:000 - [00]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x1,0xFFFF,0x0)

1:636 0:000 - [01]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x2,0xFFFF,0x0)

1:636 0:000 - [02]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x3,0xFFFF,0x0)

1:637 0:000 - [03]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)

1:639 0:002 - [04]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x5,0xFFFF,0x0)

1:639 0:000 Found optical drive

1:639 0:000 - [05]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x1,0xFFFF,0x0)\HD(1,GPT,04A07EA8-5894-4FE4-B830-007902E3B341,0x28,0x64000)

1:639 0:000 Result of bootcode detection: bootable unknown (legacy)

1:641 0:001 - [06]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x1,0xFFFF,0x0)\HD(2,GPT,B86649BE-382D-4BF7-B713-0EC661D7014C,0x64028,0xE8D64860)

1:642 0:000 - [07]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x2,0xFFFF,0x0)\HD(1,GPT,7F0BC40F-D328-4EB7-8C2A-38A6A33359BC,0x28,0x64000)

1:642 0:000 Result of bootcode detection: bootable unknown (legacy)

1:644 0:001 - [08]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x2,0xFFFF,0x0)\HD(2,GPT,51A741B3-63DC-4B79-84AE-91FB4432AAD8,0x64028,0x1D1B67E60)

1:645 0:000 - [09]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x3,0xFFFF,0x0)\HD(1,GPT,FA10C01B-84CA-45B6-AEF0-2FA9BB262FC9,0x28,0x64000)

1:645 0:000 Result of bootcode detection: bootable unknown (legacy)

1:647 0:001 - [10]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x3,0xFFFF,0x0)\HD(2,GPT,7F0F2F3A-EBAF-43C2-9D06-77763CAFBC0E,0x64028,0xE8D64860)

1:648 0:000 - [11]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)\HD(1,GPT,CA15E273-1081-4A02-B019-F2298C624B46,0x800,0xE1000)

1:648 0:000 Result of bootcode detection: bootable Windows (vista,win)

1:648 0:000 - [12]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)\HD(2,GPT,E29FE403-AA3A-4AF1-90E6-1FD9452994BA,0xE1800,0x32000)

1:649 0:000 Result of bootcode detection: bootable Windows (vista,win)

1:650 0:001 - [13]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)\HD(3,GPT,BB7E6F1A-C42A-4B01-BC9B-39ED28BC24B6,0x113800,0x8000)

1:651 0:000 - [14]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)\HD(4,GPT,26D5EA30-F93A-4DAE-948B-D07B5B49FBC2,0x11B800,0xDE79000)

1:652 0:000 Result of bootcode detection: bootable Windows (vista,win)

1:652 0:000 - [15]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-B0-61-5C-38-25-00)

1:652 0:000 - [16]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-B0-61-5C-38-25-00)\HD(1,GPT,E2B3F3DF-5489-4E1F-9CCA-518315831879,0

x28,0x64000)

1:652 0:000 Result of bootcode detection: bootable unknown (legacy)

1:652 0:000 This is SelfVolume !!

1:652 0:000 - [17]: Volume: PciRoot(0x0)\Pci(0x1D,
0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-B0-61-5C-38-25-00)\HD(2,GPT,
07572962-BA28-41FC-90F0-2D5A85E9D7E3,0x64028,0x3A1AC0C0)

1:653 0:000 - [18]: Volume: PciRoot(0x0)\Pci(0x1D,
0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-B0-61-5C-38-25-00)\HD(3,GPT,
587D9482-F07A-49E3-934B-DD1B593E7C01,0x3A2100E8,0x135F20)

1:727 0:074 Loading nvram.plist from Vol 'EFI' - loaded, size=2246

1:728 0:001 === [PutNvramPlistToRtVars]

=====

1:728 0:000 Adding Key: EFIBluetoothDelay: Size = 2, Data: B8 0B

1:728 0:000 Adding Key: EFILoginHiDPI: Size = 4, Data: 00 00 00 00

1:728 0:000 Skipping EmuVariableUefiPresent

1:728 0:000 Adding Key: LocationServicesEnabled: Size = 1, Data: 01

1:728 0:000 Adding Key: SystemAudioVolume: Size = 1, Data: 47

1:728 0:000 Adding Key: SystemAudioVolumeDB: Size = 1, Data: F4

1:728 0:000 Adding Key: bluetoothActiveControllerInfo: Size = 16, Data: 8B
82 AC 05 00 00 00 00 C3 14 EC 35 86 31 04 CB

1:728 0:000 Adding Key: bluetoothInternalControllerInfo: Size = 14, Data: 8B
82 AC 05 00 00 C3 14 EC 35 86 31 04 CB

1:728 0:000 Adding Key: bootercfg: Size = 2, Data: 28 00

1:728 0:000 Adding Key: csr-active-config: Size = 4, Data: 67 00 00 00

1:728 0:000 Adding Key: fakesmc-key-#KEY-ui32: Size = 4, Data: 00 00 00 11

1:728 0:000 Adding Key: fakesmc-key-\$Adr-ui32: Size = 4, Data: 00 00 03
00

1:728 0:000 Adding Key: fakesmc-key-\$Num-ui8: Size = 1, Data: 01

1:728 0:000 Adding Key: fakesmc-key-BATP-flag: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-BEMB-flag: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-BNum-ui8: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-EPCI-ui32: Size = 4, Data: 08 C0 F0 00

1:728 0:000 Adding Key: fakesmc-key-MSAc-ui16: Size = 2, Data: 00 00

1:728 0:000 Adding Key: fakesmc-key-MSFW-ui8: Size = 2, Data: 01 00

1:728 0:000 Adding Key: fakesmc-key-MSLD-ui8: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-MSPS-ui16: Size = 2, Data: 00 03

1:728 0:000 Adding Key: fakesmc-key-MSTc-ui8: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-MSWr-ui8: Size = 1, Data: 00

1:728 0:000 Adding Key: fakesmc-key-RBr -ch8*: Size = 8, Data: 6A 39 35
6A 39 35 61 00

1:728 0:000 Adding Key: fakesmc-key-REV -ch8*: Size = 6, Data: 02 33 0F
00 00 10

1:728 0:000 Adding Key: fakesmc-key-RMde-char: Size = 1, Data: 41

1:728 0:000 Adding Key: fakesmc-key-RPlt-ch8*: Size = 8, Data: 6A 39 35 00
00 00 00 00

1:728 0:000 Adding Key: flagstate: Size = 32, Data: 00 00 00 00 00 00 00 00

```
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
1:728 0:000 Adding Key: fmm-computer-name: Size = 11, Data: 44 61 76 69
64 73 20 69 4D 61 63
1:728 0:000 Adding Key: nvda_drv: Size = 2, Data: 31 00
1:728 0:000 Adding Key: prev-lang:kbd: Size = 4, Data: 65 6E 3A 30
1:728 0:000 Adding Key: security-mode: String: Size = 4, Val = 'none'
1:728 0:000 Adding Key: specialbootdevice: Size = 86, Data: 02 01 0C 00 D0
41 03 0A 00 00 00 00 01 01 06 00 00 1D 01 01 06 00 00 00 03 17 10 00 01 00
00 00 00 25 38 5C 61 B0 5F 50 04 01 2A 00 02 00 00 00 28 40 06 00 00 00
00 00 C0 C0 1A 3A 00 00 00 00 62 29 57 07 28 BA FC 41 90 F0 2D 5A 85 E9
D7 E3 02 02 7F FF 04 00
1:728 0:000 === [ InitTheme ]
=====
1:728 0:000 using embedded theme
1:729 0:000 Using embedded font: Success
1:729 0:000 Choosing theme <null string>
1:729 0:000 after NVRAM boot-args=dart=0
1:729 0:000 Scanning legacy ...
1:729 0:000 11: 'Wiederherstellung' (vista,win) add legacy
1:729 0:000 Icon 18 decoded, pointer 8AFECC58
1:729 0:000 added 'Boot Windows from Wiederherstellung' OSType=2
Icon=vista,win
1:729 0:000 12: 'EFI' (vista,win) add legacy
1:729 0:000 added 'Boot Windows from EFI' OSType=2 Icon=vista,win
1:729 0:000 14: '' (vista,win) add legacy
1:729 0:000 added 'Boot Windows from ' OSType=2 Icon=vista,win
1:729 0:000 === [ Dump SMC keys from NVRAM ]
=====
1:729 0:000 found AppleSMC protocol
1:729 0:000 === [ ScanLoader ]
=====
1:729 0:000 - [05]: 'EFI'
1:740 0:010 - [06]: 'Data'
1:740 0:000 - [07]: 'EFI'
1:749 0:009 - [08]: 'TimeMachine'
1:749 0:000 - [09]: 'EFI'
1:760 0:010 - [10]: 'Bilder'
1:760 0:000 - [11]: 'Wiederherstellung'
1:760 0:000 - [12]: 'EFI'
1:771 0:010 AddLoaderEntry for Volume Name=EFI
1:772 0:001 - [14]: ''
1:772 0:000 - [16]: 'EFI'
1:774 0:001 - [17]: 'SSD'
1:775 0:001 AddLoaderEntry for Volume Name=SSD
1:776 0:001 Check if volume Is Hibernated:
1:776 0:000 Check sleep image 'by signature':
```



```

1:777 0:001 read prefs
/Library/Preferences/com.apple.PowerManagement.plist status=Success
1:777 0:000 using default sleep image name = \private\var\vm\sleepimage
1:779 0:001 no valid sleep image offset was found
1:779 0:000 sleepimage offset could not be acquired
1:779 0:000 hibernated: no - sign
1:779 0:000 Icon 17 decoded, pointer 8AFC5E58
1:779 0:000 - [18]: 'Recovery HD'
1:779 0:000 AddLoaderEntry for Volume Name=Recovery HD
1:779 0:000 Icon 20 decoded, pointer 8AE3FF58
1:779 0:000 === [ AddCustomTool ]
=====
1:779 0:000 Icon 8 decoded, pointer 8ADE6E98
1:780 0:000 found tool \EFI\CLOVER\tools\Shell64U.efi
1:780 0:000 Checking EFI partition Volume 5 for Clover
1:781 0:001 Checking EFI partition Volume 7 for Clover
1:782 0:001 Checking EFI partition Volume 9 for Clover
1:783 0:001 Checking EFI partition Volume 12 for Clover
1:786 0:002 Checking EFI partition Volume 16 for Clover
1:786 0:000 Found Clover
1:786 0:000 Icon 2 decoded, pointer 8ADEBF58
1:786 0:000 EmuVariable UninstallEmulation: CloseEvent = Success, original
var services restored
1:787 0:000 Icon 1 decoded, pointer 8ADEDF18
1:787 0:000 Icon 0 decoded, pointer 8AFECDD8
1:787 0:000 Icon 5 decoded, pointer 8AE43F58
1:787 0:000 Icon 6 decoded, pointer 8AE43DD8
1:787 0:000 EmuVariable InstallEmulation: orig vars copied, emu.var.services
installed, CreateEvent VirtualAddressChange = Success, CreateEvent
ExitBootServices = Success, set Status=Success
1:872 0:085 === [ GetEfiBootDeviceFromNvram ]
=====
1:872 0:000 - found entry 4. 'Boot macOS from SSD', Volume 'SSD',
DevicePath 'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,50-5F-
B0-61-5C-38-25-00)\HD(2,GPT,07572962-
BA28-41FC-90F0-2D5A85E9D7E3,0x64028,0x3A1AC0C0)\System\Library\Cor
eServices\boot.efii'
1:872 0:000 EmuVariable UninstallEmulation: CloseEvent = Success, original
var services restored
1:872 0:000 DefaultIndex=4 and MainMenu.EntryCount=12
1:872 0:000 Icon 21 decoded, pointer 8AE43E98
1:909 0:036 Icon 22 decoded, pointer 8AE42E98
1:909 0:000 Icon 23 decoded, pointer 8AE44E98
1:916 0:007 Icon 11 decoded, pointer 8AE7EF18
1:918 0:001 GUI ready
3:701 1:782 BootVariable of the entry is empty

```

```
3:701 0:000 === [ StartLoader ]
=====
3:701 0:000 Finally: ExternalClock=25MHz BusSpeed=100213kHz
CPUFreq=4009MHz PIS: hw.busfrequency=100000000Hz
3:701 0:000 Loading boot.efi status=Success
3:739 0:037 GetOSVersion: 10.12.6 (16G29)
3:739 0:000 CSR_CFG: CSR_ALLOW_UNTRUSTED_KEXTS |
CSR_ALLOW_UNRESTRICTED_FS | CSR_ALLOW_TASK_FOR_PID |
CSR_ALLOW_UNRESTRICTED_DTRACE | CSR_ALLOW_UNRESTRICTED_NVRAM
3:739 0:000 Filtering KextPatches:
3:739 0:000 - [00]: AppleHDA (t1-10.12-AppleHDA/Realtek ALC...) ::
BinPatch :: [OS: 10.12.6 | MatchOS: All | MatchBuild: All] ==> allowed
3:739 0:000 - [01]: AppleHDA (t1-10.9-10.12-AppleHDA/Realtek ALC1150) ::
BinPatch :: [OS: 10.12.6 | MatchOS: All | MatchBuild: All] ==> allowed
3:739 0:000 - [02]: AppleAHCIPort (External icons patch) :: BinPatch :: [OS:
10.12.6 | MatchOS: All | MatchBuild: All] ==> allowed
3:739 0:000 - [03]: AppleUSBXHCIPCI (Increase 15 port limit to 26 in
AppleUSBXHCIPCI) :: BinPatch :: [OS: 10.12.6 | MatchOS: All | MatchBuild: All]
==> allowed
3:739 0:000 - [04]: AppleIntelSKLGraphicsFramebuffer (10.11-
SKL-1912000-4_displays) :: BinPatch :: [OS: 10.12.6 | MatchOS: All |
MatchBuild: All] ==> allowed
3:739 0:000 EmuVariable InstallEmulation: orig vars copied, emu.var.services
installed, CreateEvent VirtualAddressChange = Success, CreateEvent
ExitBootServices = Success, set Status=Success
3:824 0:085 === [ PatchSmbios ]
=====
3:824 0:000 insert table 9 for dev 0:0
3:824 0:000 insert table 9 for dev 0:1
3:824 0:000 insert table 9 for dev 1F:6
3:824 0:000 insert table 9 for dev 0:0
3:825 0:000 Channels: 1
3:825 0:000 Interleave: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23
3:825 0:000 SMBIOS Type 17 Index = 0 => 0 0:
3:825 0:000 BANK 0 DIMM0 2400MHz 16384MB
3:825 0:000 SMBIOS Type 17 Index = 1 => 1 1:
3:825 0:000 BANK 0 DIMM1 EMPTY
3:825 0:000 SMBIOS Type 17 Index = 2 => 2 2:
3:825 0:000 BANK 0 DIMM2 EMPTY
3:825 0:000 SMBIOS Type 17 Index = 3 => 3 3:
3:825 0:000 BANK 0 DIMM3 EMPTY
3:825 0:000 mTotalSystemMemory = 16384
3:825 0:000 NumberOfMemoryDevices = 4
3:825 0:000 Type20[0]->End = 0xFFFFF, Type17[0] = 0x4000
3:825 0:000 Table 131 is present, CPUType=10
```

```

3:825 0:000 Change to: 705
3:825 0:000 === [ PatchACPI ]
=====
3:825 0:000 RSDT 0x8EA1C028
3:825 0:000 FADT from RSDT: 0x8EA1C170
3:825 0:000 XSDT 0x8EA1C0A0
3:825 0:000 FADT from XSDT: 0x8EA46380
3:825 0:000 Xsdt reallocation done
3:825 0:000 old FADT length=114
3:825 0:000 Apply DsdtFixMask=0x00000004
3:825 0:000 drop_DSM mask=0xFFFF
3:825 0:000 === [ FixBiosDsdt ]
=====
3:825 0:000 VideoCard devID=0x1D0110DE
3:825 0:000 DisplayADR1[0] = 0x10000, DisplayADR2[0] = 0x0
3:825 0:000 USBADR[0] = 0x140000 and PCIe = 0xFFFE
3:825 0:000 Found Airport BCM at 0x1C0002, 0x0
3:825 0:000 USBADR[1] = 0x1C0004 and PCIe = 0x0
3:825 0:000 Audio HDA (addr:0x1F0003) setting specified layout-id=1 (0x1)
3:825 0:000 Patching DSDT:
3:825 0:000 - [Rename HDAS to HDEF]: pattern 48444153, patched at:
[ (2E7) (12) (12) (C509) (15BD) (84) (D) (2B) (32) (66) (A5) (C3) ]
3:826 0:000 first CPU found at B135 offset B138
3:826 0:000 score candidate at B131
3:826 0:000 score inserted in acpi_cpu_score _PR_
3:826 0:000 Found ACPI CPU: CPU0 | CPU1 | CPU2 | CPU3 | CPU4 | CPU5 |
CPU6 | CPU7 , within the score: _PR_
3:826 0:000 Found PCIROOTUID = 0
3:826 0:000 Start SHUTDOWN Fix len=2A181
3:826 0:000 === [ ACPIDropTables ]
=====
3:826 0:000 === [ PatchAllSSDT ]
=====
3:826 0:000 Patch table: SSDT SataTabl len=0x390
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT SaSsdt len=0x3154
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT PegSsdt len=0x253E
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT OEM_RTD3 len=0x24
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, the patch is too
large!
3:826 0:000 Patch table: SSDT xh_rvp08 len=0xB13

```

```

3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT CpuSsd len=0xEDE
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT sensrhub len=0x29F
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Patch table: SSDT PtidDevc len=0x3002
3:826 0:000 0. [Rename HDAS to HDEF]: pattern 48444153, bin not found /
already patched!
3:826 0:000 Drop tables from Xsdt, SIGN=XXXX TableID= Length=0
3:826 0:000 Xsdt has tables count=19
3:826 0:000 === [ ACPIPatchedAML ]
=====
3:826 0:000 Unsorted
3:826 0:000 Inserting SSDT-HDMI-NVIDIA-PEG0.aml from
EFI\CLOVER\ACPI\patched ... Success
3:827 0:000 Inserting SSDT-NVMe-Pcc.aml from
EFI\CLOVER\ACPI\patched ... Success
3:827 0:000 CPUBase=0 and ApicCPUBase=1 ApicCPUNum=1
3:827 0:000 === [ RestSetup macOS ]
=====
3:827 0:000 EdidDiscovered size=128
3:827 0:000 ----- EDID Table
3:827 0:000 000 | 00 FF FF FF FF FF FF 00 1E 6D
3:827 0:000 010 | E2 5A EF 5B 04 00 0C 1A 01 04
3:827 0:000 020 | A5 50 22 78 9E CA 95 A6 55 4E
3:827 0:000 030 | A1 26 0F 50 54 21 08 00 71 40
3:827 0:000 040 | 81 80 81 C0 A9 C0 B3 00 D1 C0
3:827 0:000 050 | 81 00 01 01 E7 7C 70 A0 D0 A0
3:827 0:000 060 | 29 50 30 20 3A 00 20 4F 31 00
3:827 0:000 070 | 00 1A 9D 67 70 A0 D0 A0 22 50
3:827 0:000 080 | 30 20 3A 00 20 4F 31 00 00 1A
3:827 0:000 090 | 00 00 00 FD 00 38 3D 1E 5A 20
3:827 0:000 100 | 00 0A 20 20 20 20 20 20 00 00
3:827 0:000 110 | 00 FC 00 4C 47 20 55 4C 54 52
3:827 0:000 120 | 41 57 49 44 45 0A 01 12
3:827 0:000 NVidia GFX injection not set
3:827 0:000 HDMI Audio, setting hda-gfx=onboard-1
3:827 0:000 RCBA disabled; cannot use it
3:827 0:000 setting specified layout-id=1 (0x1)
3:827 0:000 stringlength = 666
3:827 0:000 CurrentMode: Width=1280 Height=1024
3:827 0:000 Beginning FSInjection
FSInjectionInstall ...

```

- Our FSI_SIMPLE_FILE_SYSTEM_PROTOCOL installed on handle: 8B32F658
FSInjectionInstall ...
- Our FSI_SIMPLE_FILE_SYSTEM_PROTOCOL installed on handle: 8B32F658
3:828 0:000 Use origin smbios table type 1 guid.
3:829 0:001 Preparing kexts injection for arch=x86_64 from
EFI\CLOVER\kexts\Other
3:830 0:000 Extra kext:
EFI\CLOVER\kexts\Other\HackrNVMeFamily-10_12_6.kext
3:833 0:003 Preparing kexts injection for arch=x86_64 from
EFI\CLOVER\kexts\10.12
3:833 0:000 Extra kext: EFI\CLOVER\kexts\10.12\realtekALC.kext
3:836 0:002 Custom boot is disabled