

Erledigt

Boot.log analysieren - Was kann ich dort auslesen?

Beitrag von „g-force“ vom 29. Mai 2020, 14:15

Ich frage mich schon länger, was ich eigentlich alles in meinem "Boot.log" erkennen und auslesen kann?

Inwieweit hilft mir das bei der Optimierung meines Systems?

Warum gibt es kürzere und längere Pausen beim Boot?

Code

1. 0:100 0:100 MemLog initied, TSC freq: 4008554620
2. 0:100 0:000 CPU was calibrated with RTC
3. 0:100 0:000
4. 0:100 0:000 Now is 29.05.2020, 12:03:03 (GMT)
5. 0:100 0:000 Starting Clover revision: 5118 (master, commit 6529f815d) on American Megatrends EFI
6. 0:100 0:000 Build with: [Args: -D NO_GRUB_DRIVERS_EMBEDDED -t GCC53 | -D NO_GRUB_DRIVERS_EMBEDDED --conf=/Users/sergey/src/Clover/Conf -D USE_LOW_EBDA -a X64 -b RELEASE -t GCC53 -n 5 | OS: 10.14.6]
7. 0:100 0:000 SelfDevicePath=PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(1,GPT,C45F1175-6DFC-4746-9C19-0C3887571906,0x800,0x200000) @BE9F6958
8. 0:100 0:000 SelfDirPath = \EFI\CLOVER
9. 0:100 0:000 Clover : Image base = 0xB38ED000
10. 0:100 0:000 SimpleTextEx Status=Success
11. 0:100 0:000 === [Get Smbios] =====
12. 0:100 0:000 Type 16 Index = 0
13. 0:100 0:000 Total Memory Slots Count = 4
14. 0:100 0:000 Type 17 Index = 0
15. 0:100 0:000 SmbiosTable.Type17->Speed = 2400MHz
16. 0:100 0:000 SmbiosTable.Type17->Size = 16384MB
17. 0:100 0:000 SmbiosTable.Type17->Bank/Device = BANK 0 DIMM_A1
18. 0:100 0:000 SmbiosTable.Type17->Vendor = Kingston
19. 0:100 0:000 SmbiosTable.Type17->SerialNumber = ED0A57F8
20. 0:100 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G

21. 0:100 0:000 Type 17 Index = 1
22. 0:100 0:000 SmbiosTable.Type17->Speed = 2400MHz
23. 0:100 0:000 SmbiosTable.Type17->Size = 16384MB
24. 0:100 0:000 SmbiosTable.Type17->Bank/Device = BANK 1 DIMM_A2
25. 0:100 0:000 SmbiosTable.Type17->Vendor = Kingston
26. 0:100 0:000 SmbiosTable.Type17->SerialNumber = 120B734F
27. 0:100 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
28. 0:100 0:000 Type 17 Index = 2
29. 0:100 0:000 SmbiosTable.Type17->Speed = 2400MHz
30. 0:100 0:000 SmbiosTable.Type17->Size = 16384MB
31. 0:100 0:000 SmbiosTable.Type17->Bank/Device = BANK 2 DIMM_B1
32. 0:100 0:000 SmbiosTable.Type17->Vendor = Kingston
33. 0:100 0:000 SmbiosTable.Type17->SerialNumber = E80A57C4
34. 0:100 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
35. 0:100 0:000 Type 17 Index = 3
36. 0:100 0:000 SmbiosTable.Type17->Speed = 2400MHz
37. 0:100 0:000 SmbiosTable.Type17->Size = 16384MB
38. 0:100 0:000 SmbiosTable.Type17->Bank/Device = BANK 3 DIMM_B2
39. 0:100 0:000 SmbiosTable.Type17->Vendor = Kingston
40. 0:100 0:000 SmbiosTable.Type17->SerialNumber = EC0A57AC
41. 0:100 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
42. 0:100 0:000 Boot status=0
43. 0:100 0:000 Running on: 'System Product Name' with board 'Z170-K'
44. 0:100 0:000 === [GetCPUProperties] =====
45. 0:100 0:000 CPU Vendor = 756E6547 Model=506E3
46. 0:100 0:000 The CPU supported SSE4.1
47. 0:100 0:000 BrandString = Intel(R) Core(TM) i7-6700K CPU @ 4.00GHz
48. 0:100 0:000 The CPU supported turbo
49. 0:100 0:000 MSR 0x35 40008
50. 0:100 0:000 TSC/CCC Information Leaf:
51. 0:100 0:000 numerator : 334
52. 0:100 0:000 denominator : 2
53. 0:100 0:000 Calibrated ARTFrequency: 24003321
54. 0:100 0:000 Rounded ARTFrequency: 24000000
55. 0:100 0:000 MSR 0xE2 before patch 00000000
56. 0:100 0:000 MSR 0xCE 00080838_F1012800
57. 0:100 0:000 corrected FLEX_RATIO = E0000
58. 0:100 0:000 FSBFrequency = 100 MHz, DMI FSBFrequency = 100 MHz, Corrected
FSBFrequency = 100 MHz
59. 0:100 0:000 MaxDiv/MinDiv: 40.0/8
60. 0:100 0:000 Turbo: 47/47/47/47

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61. 0:100 0:000 Features: 0x77FAFBBFBFBFBFF
62. 0:100 0:000 Threads: 8
63. 0:100 0:000 Cores: 4
64. 0:100 0:000 FSB: 100 MHz
65. 0:100 0:000 CPU: 4000 MHz
66. 0:100 0:000 TSC: 4000 MHz
67. 0:100 0:000 PIS: 100 MHz
68. 0:100 0:000 ExternalClock: 25 MHz
69. 0:100 0:000 === [ GetDevices ] =====
70. 0:100 0:000 GOP found at: PciRoot(0x0)/Pci(0x2,0x0)/AcpiAdr(0x80012321)
71. 0:100 0:000 PCI (00|00:00.00) : 8086 191F class=060000
72. 0:100 0:000 PCI (00|00:01.00) : 8086 1901 class=060400
73. 0:100 0:000 PCI (00|01:00.00) : 144D A808 class=010802
74. 0:100 0:000 PCI (00|00:02.00) : 8086 1912 class=030000
75. 0:100 0:000 - GOP: Provided by device
76. 0:100 0:000 - GFX: Model=Intel HD Graphics 530 (Intel)
77. 0:100 0:000 PCI (00|00:14.00) : 8086 A12F class=0C0330
78. 0:100 0:000 PCI (00|00:16.00) : 8086 A13A class=078000
79. 0:100 0:000 PCI (00|00:17.00) : 8086 A102 class=010601
80. 0:101 0:000 PCI (00|00:1B.00) : 8086 A167 class=060400
81. 0:101 0:000 PCI (00|00:1C.00) : 8086 A110 class=060400
82. 0:101 0:000 PCI (00|03:00.00) : 1B21 1242 class=0C0330
83. 0:101 0:000 PCI (00|00:1C.02) : 8086 A112 class=060400
84. 0:101 0:000 PCI (00|04:00.00) : 1B21 1080 class=060400
85. 0:101 0:000 PCI (00|00:1C.03) : 8086 A113 class=060400
86. 0:101 0:000 PCI (00|06:00.00) : 10EC 8168 class=020000
87. 0:101 0:000 - LAN: 0 Vendor=Realtek
88. 0:101 0:000 PCI (00|00:1C.04) : 8086 A114 class=060400
89. 0:101 0:000 PCI (00|07:00.00) : 144D A804 class=010802
90. 0:101 0:000 PCI (00|00:1D.00) : 8086 A118 class=060400
91. 0:101 0:000 PCI (00|08:00.00) : 144D A808 class=010802
92. 0:101 0:000 PCI (00|00:1F.00) : 8086 A145 class=060100
93. 0:101 0:000 PCI (00|00:1F.02) : 8086 A121 class=058000
94. 0:101 0:000 PCI (00|00:1F.04) : 8086 A123 class=0C0500
95. 0:101 0:000 === [ GetDefaultSettings ] =====
96. 0:101 0:000 Clover load options size = 0 bytes
97. 0:101 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\System Product Name--00-00-00-00-00-00. Dir not exists
98. 0:101 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\Z170-K\UEFI. Dir not exists
99. 0:101 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\System Product Name. Dir not exists

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100. 0:101 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\System Product Name-4000. Dir
not exists
101. 0:102 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\Z170-K. Dir not exists
102. 0:102 0:000 CheckOEMPathExists tried EFI\CLOVER\OEM\Z170-K-4000. Dir not exists
103. 0:102 0:000 set OEMPath by default: EFI\CLOVER
104. 0:103 0:001 EFI\CLOVER\config.plist loaded: Success
105. 0:103 0:000 === [ GetListOfThemes ] =====
106. 0:103 0:000 - [00]: HF4K
107. 0:104 0:001 === [ Found config plists ] =====
108. 0:104 0:000 - config.plist
109. 0:105 0:000 === [ GetEarlyUserSettings ] =====
110. 0:105 0:000 timeout set to 1
111. 0:105 0:000 Custom boot CUSTOM_BOOT_THEME (0x0)
112. 0:105 0:000 get BlueValue=1.200000
113. 0:105 0:000 FakeCPUID: 506E3
114. 0:105 0:000 KextsToPatch: 1 requested
115. 0:105 0:000 - [00]: com.apple.driver.AppleAHCIPort (Patch Hotplug) :: BinPatch :: data
len: 4
116. 0:105 0:000 Default theme: HF4K
117. 0:105 0:000 Hiding entries with string 960 Pro 512
118. 0:105 0:000 Hiding entries with string 970 Pro 512
119. 0:105 0:000 Hiding entries with string PORTABLE
120. 0:105 0:000 Hiding entries with string HDD 2000
121. 0:105 0:000 Hiding entries with string Preboot
122. 0:105 0:000 Hiding entries with string cdboot
123. 0:105 0:000 Hiding entries with string PROJEKTE
124. 0:105 0:000 Hiding entries with string Recovery
125. 0:105 0:000 Hiding entries with string USB EXT 4 TB
126. 0:105 0:000 Hiding entries with string CCC
127. 0:105 0:000 Hiding entries with string Win10
128. 0:105 0:000 Hiding entries with string Win7
129. 0:105 0:000 Hiding entries with string WinPE
130. 0:105 0:000 Hiding entries with string boot64.efi
131. 0:105 0:000 === [ LoadDrivers ] =====
132. 0:106 0:000 Loading FSInject.efi status=Success
133. 0:108 0:001 Loading HFSPlus.efi status=Success
134. 0:109 0:001 - driver needs connecting
135. 0:109 0:000 Loading SMCHelper.efi status=Success
136. 0:110 0:001 Loading ApfsDriverLoader.efi status=Success
137. 0:112 0:001 - driver needs connecting
138. 0:112 0:000 Loading NvmExpressDxe.efi status=Success

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139. 0:113 0:001 - driver needs connecting
140. 0:113 0:000 Loading FwRuntimeServices.efi status=Success
141. 0:114 0:001 Loading OcQuirks.efi status=Success
142. 0:116 0:001 3 drivers needs connecting ...
143. 0:116 0:000 PlatformDriverOverrideProtocol not found. Installing ... Success
144. 0:116 0:000 HFS+ driver loaded
145. 0:116 0:000 APFS driver loaded
146. 0:116 0:000 Searching for invalid Disklo BY_DRIVER connects: not found, all ok
147. 0:297 0:181 === [ InitScreen ] =====
148. 0:297 0:000 Console modes reported: 4, available modes:
149. 0:297 0:000 - [01]: 80x25 (current mode)
150. 0:297 0:000 - [02]: 80x50
151. 0:297 0:000 - [03]: 100x31
152. 0:297 0:000 - [04]: 480x113
153. 0:297 0:000 SetScreenResolution: 3840x2160 - setting Mode 0
154. 0:434 0:136 Video mode change to mode #0: Success
155. 0:434 0:000 SetScreenResolution: 3840x2160 - already set
156. 0:434          0:000          reinit:          self          device
    path=PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-
    00)\HD(1,GPT,C45F1175-6DFC-4746-9C19-0C3887571906,0x800,0x200000)
157. 0:434 0:000 new SelfHandle=BE9F6958
158. 0:434 0:000 === [ GetMacAddress ] =====
159. 0:434 0:000 === [ ScanSPD ] =====
160. 0:435 0:000 Scanning SMBus [8086:A123], mmio: 0xFFFF10004, ioport: 0xF040, hostc:
    0x11
161. 0:454 0:019 Found module with XMP version 2.0
162. 0:454 0:000 Slot: 0 Type 26 16384MB 2400MHz Vendor=Kingston
    PartNo=KHX2400C1516G SerialNo=ED0A57F8
163. 0:473 0:018 Found module with XMP version 2.0
164. 0:473 0:000 Slot: 1 Type 26 16384MB 2400MHz Vendor=Kingston
    PartNo=KHX2400C1516G SerialNo=120B734F
165. 0:492 0:018 Found module with XMP version 2.0
166. 0:492 0:000 Slot: 2 Type 26 16384MB 2400MHz Vendor=Kingston
    PartNo=KHX2400C1516G SerialNo=E80A57C4
167. 0:511 0:018 Found module with XMP version 2.0
168. 0:511 0:000 Slot: 3 Type 26 16384MB 2400MHz Vendor=Kingston
    PartNo=KHX2400C1516G SerialNo=EC0A57AC
169. 0:511 0:000 === [ GetAcpiTablesList ] =====
170. 0:511 0:000 Get Acpi Tables List from RSDT:
171. 0:511 0:000 - [00]: FACP A M I len=132
172. 0:511 0:000 - [01]: APIC A M I len=188

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173. 0:511 0:000 - [02]: FPDT A M I len=68
174. 0:511 0:000 - [03]: DMAR SKL len=176
175. 0:511 0:000 - [04]: MCFG A M I len=60
176. 0:511 0:000 - [05]: SSDT SataTabl len=912
177. 0:511 0:000 - [06]: FIDT A M I len=156
178. 0:511 0:000 - [07]: SSDT SaSsdt len=12353
179. 0:511 0:000 - [08]: SSDT PegSsdt len=9540
180. 0:511 0:000 - [09]: HPET SKL len=56
181. 0:511 0:000 - [10]: SSDT Ther_Rvp len=3643
182. 0:511 0:000 - [11]: SSDT xh_rvp08 len=2845
183. 0:511 0:000 - [12]: UEFI EDK2 len=66
184. 0:511 0:000 - [13]: SSDT CpuSsdt len=3806
185. 0:511 0:000 - [14]: LPIT SKL len=148
186. 0:511 0:000 - [15]: WSMT SKL len=40
187. 0:511 0:000 - [16]: SSDT sensrhub len=671
188. 0:511 0:000 - [17]: SSDT PtidDevc len=12290
189. 0:511 0:000 - [18]: DBGP len=52
190. 0:511 0:000 - [19]: DBG2 len=84
191. 0:511 0:000 Calibrated TSC Frequency = 4008554620 = 4008MHz
192. 0:511 0:000 ==== [GetUserSettings] =====
193. 0:511 0:000 USB FixOwnership: yes
194. 0:511 0:000 - final DSDT Fix mask=00000000
195. 0:511 0:000 PatchesDSDT: 4 requested
196. 0:511 0:000 - [00]: (change GFX0 to IGPU) lenToFind: 4, lenToReplace: 4, Target Bridge:
197. 0:511 0:000 - [01]: (change HECI to IMEI) lenToFind: 4, lenToReplace: 4, Target Bridge:
198. 0:511 0:000 - [02]: (change MEI to IMEI) lenToFind: 4, lenToReplace: 4, Target Bridge:
199. 0:511 0:000 - [03]: (change SAT0 to SATA) lenToFind: 4, lenToReplace: 4, Target Bridge:
200. 0:511 0:000 MinMultiplier: 10
201. 0:511 0:000 MaxMultiplier: 48
202. 0:511 0:000 PluginType: 1
203. 0:511 0:000 Using ProductName from config: iMacPro1,1
204. 0:511 0:000 Using latest BiosVersion from clover
205. 0:511 0:000 BiosVersion: IMP11.88Z.F000.B00.2004232041
206. 0:511 0:000 BiosReleaseDate: 04/23/2020
207. 0:511 0:000 Using latest EfiVersion from clover: 1037.120.79.0.0
208. 0:511 0:000 Using FirmwareFeatures from config: 0xFD8FF53F
209. 0:511 0:000 Using FirmwareFeaturesMask from config: 0xFF9FFF3F
210. 0:511 0:000 Board-ID set from config as Mac-7BA5B2D9E42DDD94
211. 0:511 0:000 BoardType: 0xA
212. 0:511 0:000 ChassisType: 0x9
213. 0:511 0:000 Converted CustomUUID 35D9E4D8-2F30-5630-8BE2-E19E1BEF97AE

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214. 0:512 0:000 === [ Found DSDT tables ] =====
215. 0:952 0:440 === [ ScanVolumes ] =====
216. 0:952 0:000 Found 27 volumes with blockIO
217. 0:952 0:000 - [00]: Volume: PciRoot(0x0)\Pci(0x1C,0x0)\Pci(0x0,0x0)\USB(0x1,0x0)
218. 0:953          0:000          -          [01]:          Volume:
      PciRoot(0x0)\Pci(0x1C,0x0)\Pci(0x0,0x0)\USB(0x1,0x0)\HD(1,GPT,F48E2A0B-5070-4C75-
      2662-63A70F5D3C2F,0x800,0x1D1BFA800)
219. 0:954 0:000 Result of bootcode detection: bootable Windows (vista,win)
220. 0:954 0:000 - [02]: Volume: PciRoot(0x0)\Pci(0x1,0x0)\Pci(0x0,0x0)\NVMe(0x1,7B-B9-B1-
      81-5C-38-25-00)
221. 0:954 0:000 - [03]: Volume: PciRoot(0x0)\Pci(0x1,0x0)\Pci(0x0,0x0)\NVMe(0x1,7B-B9-B1-
      81-5C-38-25-00)\HD(1,GPT,B34B4132-C4B6-4B26-BCB3-
      E904332A0789,0x800,0x3B9E0800)
222. 0:954 0:000 Result of bootcode detection: bootable Windows (vista,win)
223. 0:954 0:000 - [04]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x3,0xFFFF,0x0)
224. 0:955 0:000 Result of bootcode detection: bootable unknown (legacy)
225. 0:955 0:000 - [05]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x4,0xFFFF,0x0)
226. 0:955 0:000 - [06]: Volume: PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x5,0xFFFF,0x0)
227. 0:955          0:000          -          [07]:          Volume:
      PciRoot(0x0)\Pci(0x17,0x0)\Sata(0x3,0xFFFF,0x0)\HD(1,GPT,07CEB928-5500-4488-F4CE-
      2281FFC9D37B,0x800,0xE8E07800)
228. 0:955 0:000 Result of bootcode detection: bootable Windows (vista,win)
229. 0:955 0:000 hiding this volume
230. 0:955 0:000 - [08]: Volume: PciRoot(0x0)\Pci(0x1C,0x4)\Pci(0x0,0x0)\NVMe(0x1,A4-DB-
      50-71-53-38-25-00)
231. 0:956 0:000 - [09]: Volume: PciRoot(0x0)\Pci(0x1C,0x4)\Pci(0x0,0x0)\NVMe(0x1,A4-DB-
      50-71-53-38-25-00)\HD(1,GPT,0CFF3531-77CB-11E8-85E6-
      3497F695C2DD,0x800,0x3B9DEA33)
232. 0:956 0:000 Result of bootcode detection: bootable Windows (vista,win)
233. 0:956 0:000 - [10]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-
      81-58-38-25-00)
234. 0:956 0:000 - [11]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-
      81-58-38-25-00)\HD(1,GPT,C45F1175-6DFC-4746-9C19-0C3887571906,0x800,0x200000)
235. 0:956 0:000 Result of bootcode detection: bootable Windows (win)
236. 0:957 0:000 This is SelfVolume !!
237. 0:957 0:000 - [12]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-
      81-58-38-25-00)\HD(2,GPT,F30CCDDB-9271-4A19-A775-
      D44C4DEA4856,0x200800,0x616E00E)
238. 0:957 0:000 Result of bootcode detection: bootable Windows (vista,win)
239. 0:957 0:000 hiding this volume

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240. 0:957 0:000 - [13]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(3,GPT,D67F0030-9F79-413D-99BC-9D953A047CE1,0x636F000,0x3C00000)
241. 0:957 0:000 Result of bootcode detection: bootable Windows (vista,win)
242. 0:957 0:000 - [14]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(4,GPT,923A7EF9-0F15-49D6-5988-0D4FABC4B0A5,0x9F6F000,0x3C00000)
243. 0:957 0:000 Result of bootcode detection: bootable Windows (vista,win)
244. 0:957 0:000 hiding this volume
245. 0:957 0:000 - [15]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(5,GPT,C15E1A0B-5F1C-4AFF-BDBF-6D244EC8B8CA,0xDB6F000,0x1D69000)
246. 0:957 0:000 Result of bootcode detection: bootable Windows (vista,win)
247. 0:957 0:000 hiding this volume
248. 0:957 0:000 - [16]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(6,GPT,8747015E-3B9B-4560-8EAA-7D61E1486E8B,0xF8D8000,0x1401000)
249. 0:957 0:000 Result of bootcode detection: bootable Windows (vista,win)
250. 0:957 0:000 hiding this volume
251. 0:957 0:000 - [17]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(7,GPT,5BB494DC-DE7A-4E82-B8FB-FA54A6F455EA,0x10CD9000,0x3205000)
252. 0:958 0:000 - [18]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(8,GPT,29314657-F471-454E-8569-2E896658E3EB,0x13EDE000,0x30D4000)
253. 0:958 0:000 - [19]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)
254. 0:958 0:000 Result of bootcode detection: bootable unknown (legacy)
255. 0:958 0:000 - [20]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(10,GPT,B1443328-8BFD-437E-B5E1-0E43B677B4BE,0x2E0A6000,0xAAD6000)
256. 0:958 0:000 - [21]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(11,GPT,D91B440E-8936-4DD6-D07F-65476A9404F4,0x38BBC000,0x3E801000)
257. 0:958 0:000 - [22]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-01F4042E6842,4187AF1AE3FBCC4083FD60E563B99C03)
258. 0:958 0:000 hiding this volume
259. 0:958 0:000 - [23]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-


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01F4042E6842,391D4A6731807B409949017FF8BB2339)
260. 0:958 0:000 - [24]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-01F4042E6842,5D3AAE35AB335B47B16C22B3D46C3017)
261. 0:958 0:000 - [25]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-01F4042E6842,E7B5D5A6EF33504C90EBB57E6C53F9D0)
262. 0:958 0:000 hiding this volume
263. 0:958 0:000 - [26]: Volume: PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-01F4042E6842,222CD6A7BB43D641BA4EA0FB620B982D)
264. 0:958 0:000 No AudioIoProtocols, status=Not Found
265. 0:959 0:000 === [ InitXTheme ] =====
266. 0:959 0:000 use Daylight theme
267. 0:966 0:006 Using theme 'HF4K' (EFI\CLOVER\themes\HF4K)
268. 0:966 0:000 chosen theme HF4K
269. 0:966 0:000 OS main and drive as badge
270. 1:432 0:466 sound play end with status=Device Error
271. 1:453 0:020 theme initied
272. 1:453 0:000 Chosen theme HF4K
273. 1:454 0:000 after NVRAM boot-args=darkwake=no dart=0 -v -no_compat_check -alcoff
274. 1:454 0:000 === [ Dump SMC keys from NVRAM ] =====
275. 1:454 0:000 found AppleSMC protocol
276. 1:543 0:089 Registered 13 SMC keys
277. 1:548 0:005 === [ ScanLoader ] =====
278. 1:548 0:000 - [01]: 'WD 4TB EXT'
279. 1:548 0:000 - [07]: 'HDD 2000', hidden
280. 1:548 0:000 - [09]: 'WORK'
281. 1:548 0:000 - [11]: 'EFI'
282. 1:551 0:002 AddLoaderEntry for Volume Name=EFI
283. 1:551 0:000 IconName=vista,win comma=5 size=9
284. 1:551 0:000 first=os_vista
285. 1:551      0:000      Loader      entry      created      for
      'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-00)\HD(1,GPT,C45F1175-6DFC-4746-9C19-0C3887571906,0x800,0x200000)\EFI\microsoft\Boot\bootmgfw.efi'
286. 1:551 0:000 AddLoaderEntry for Volume Name=EFI
287. 1:551 0:000 hiding entry: \EFI\MICROSOFT\BOOT\cdboot.efi

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288. 1:553 0:001 found entry grub,linux
289. 1:559 0:005 AddLoaderEntry for Volume Name=EFI
290. 1:559      0:000      Loader      entry      created      for
      'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-
      00)\HD(1,GPT,C45F1175-6DFC-4746-9C19-
      0C3887571906,0x800,0x200000)\EFI\GRUB\grubx64.efi'
291. 1:560 0:001 AddLoaderEntry for Volume Name=EFI
292. 1:560 0:000 skipped because entry is hidden
293. 1:560 0:000 - [12]: 'Win10', hidden
294. 1:560 0:000 - [13]: 'Win 8.1'
295. 1:560 0:000 - [14]: 'Win7', hidden
296. 1:560 0:000 - [15]: 'WinPE', hidden
297. 1:560 0:000 - [16]: 'PORTABLE', hidden
298. 1:560 0:000 - [20]: 'SNOW LEOPARD'
299. 1:561 0:001 AddLoaderEntry for Volume Name=SNOW LEOPARD
300. 1:563 0:001 hibernated: set as never
301. 1:563 0:000 IconName=snow,mac comma=4 size=8
302. 1:563 0:000 first=os_snow
303. 1:563      0:000      Loader      entry      created      for
      'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-
      00)\HD(10,GPT,B1443328-8BFD-437E-B5E1-
      0E43B677B4BE,0x2E0A6000,0xAAD6000)\System\Library\CoreServices\boot.efi'
304. 1:565 0:002 - [21]: 'LIBRARY'
305. 1:566 0:000 - [22]: 'Preboot', hidden
306. 1:566 0:000 - [23]: 'CATALINA - Daten'
307. 1:567 0:000 - [24]: 'CATALINA'
308. 1:570 0:003 AddLoaderEntry for Volume Name=CATALINA
309. 1:571 0:001 hibernated: set as never
310. 1:571 0:000 IconName=cata,mac comma=4 size=8
311. 1:571 0:000 first=os_cata
312. 1:571      0:000      Loader      entry      created      for
      'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-
      00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-
      698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-
      01F4042E6842,5D3AAE35AB335B47B16C22B3D46C3017)\System\Library\CoreServices\boot.efi'
313. 1:573 0:001 - [25]: 'Recovery', hidden
314. 1:573 0:000 - [26]: 'VM'
315. 1:573 0:000 === [ AddCustomTool ] =====
316. 1:574 0:001 === [ GetEfiBootDeviceFromNvram ] =====
317. 1:576      0:001      -      efi-boot-device-data:
      PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-58-38-25-
      00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-
      698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-

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01F4042E6842,5D3AAE35AB335B47B16C22B3D46C3017)
318. 1:576 0:000 - Volume: 'PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-1F-B4-81-
58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-
698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-
01F4042E6842,5D3AAE35AB335B47B16C22B3D46C3017)'
319. 1:576 0:000 - LoaderPath: ''
320. 1:576 0:000 - Guid = 2C4B9FB3-17B6-4182-943D-698567C2E1FB
321. 1:576 0:000 === [ FindStartupDiskVolume ] =====
322. 1:576 0:000 - Volume: partition = PciRoot(0x0)\Pci(0x1D,0x0)\Pci(0x0,0x0)\NVMe(0x1,EC-
1F-B4-81-58-38-25-00)\HD(9,GPT,2C4B9FB3-17B6-4182-943D-
698567C2E1FB,0x16FB2000,0x170F3B50)\VenMedia(BE74FCF7-0B7C-49F3-9147-
01F4042E6842,5D3AAE35AB335B47B16C22B3D46C3017)
323. 1:576 0:000 - searching for that partition
324. 1:576 0:000 - found entry 3. 'Boot macOS from CATALINA', Volume 'CATALINA'
325. 1:576 0:000 Boot redirected to Entry 3. 'Boot macOS from CATALINA'
326. 1:576 0:000 BannerPlace at Clear Screen [1410,327]
327. 2:003 0:427 AnimeRun=0
328. 2:181 0:178 GUI ready
329. 4:196 2:014 === [ StartLoader ] =====
330. 4:196 0:000 Finally: ExternalClock=26MHz BusSpeed=100214kHz CPUFreq=4009MHz
PIS: hw.busfrequency=104000000Hz
331. 4:196 0:000 start loader
332. 4:196 0:000 Loading boot.efi status=Success
333. 4:324 0:128 GetOSVersion: 10.15.5 (19F96)
334. 4:324 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
335. 4:324 0:000 Filtering KextPatches:
336. 4:324 0:000 - [00]: com.apple.driver.AppleAHCIPort (Patch Hotplug) :: BinPatch :: [OS:
10.15.5 | MatchOS: All | MatchBuild: All] ==> allowed
337. 4:324 0:000 Will not patch boot.efi
338. 4:324 0:000 === [ PatchSmbios ] =====
339. 4:324 0:000 insert table 9 for dev 0:0
340. 4:324 0:000 Table 11 present, but rewritten for us
341. 4:326 0:001 Trusting SMBIOS...
342. 4:326 0:000 Channels: 2
343. 4:326 0:000 Interleave: 0 2 1 3 4 6 5 7 8 10 9 11 12 14 13 15 16 18 17 19 20 22 21 23
344. 4:326 0:000 trusted SMBIOS data:
345. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
346. 4:326 0:000 SmbiosTable.Type17->SerialNumber = ED0A57F8
347. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHx2400C15/16G

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348. 4:326 0:000 partNum=KHX2400C15/16G
349. 4:326 0:000 SPD data in use:
350. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
351. 4:326 0:000 SmbiosTable.Type17->SerialNumber = ED0A57F8
352. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C1516G
353. 4:326 0:000 SMBIOS Type 17 Index = 0 => 0 0:
354. 4:326 0:000 BANK 0 DIMM0 2400MHz 16384MB(Ext:0MB)
355. 4:326 0:000 trusted SMBIOS data:
356. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
357. 4:326 0:000 SmbiosTable.Type17->SerialNumber = E80A57C4
358. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
359. 4:326 0:000 partNum=KHX2400C15/16G
360. 4:326 0:000 SPD data in use:
361. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
362. 4:326 0:000 SmbiosTable.Type17->SerialNumber = E80A57C4
363. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C1516G
364. 4:326 0:000 SMBIOS Type 17 Index = 1 => 2 2:
365. 4:326 0:000 BANK 1 DIMM0 2400MHz 16384MB(Ext:0MB)
366. 4:326 0:000 trusted SMBIOS data:
367. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
368. 4:326 0:000 SmbiosTable.Type17->SerialNumber = 120B734F
369. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
370. 4:326 0:000 partNum=KHX2400C15/16G
371. 4:326 0:000 SPD data in use:
372. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
373. 4:326 0:000 SmbiosTable.Type17->SerialNumber = 120B734F
374. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C1516G
375. 4:326 0:000 SMBIOS Type 17 Index = 2 => 1 1:
376. 4:326 0:000 BANK 0 DIMM1 2400MHz 16384MB(Ext:0MB)
377. 4:326 0:000 trusted SMBIOS data:
378. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
379. 4:326 0:000 SmbiosTable.Type17->SerialNumber = EC0A57AC
380. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C15/16G
381. 4:326 0:000 partNum=KHX2400C15/16G
382. 4:326 0:000 SPD data in use:
383. 4:326 0:000 SmbiosTable.Type17->Vendor = Kingston
384. 4:326 0:000 SmbiosTable.Type17->SerialNumber = EC0A57AC
385. 4:326 0:000 SmbiosTable.Type17->PartNumber = KHX2400C1516G
386. 4:326 0:000 SMBIOS Type 17 Index = 3 => 3 3:
387. 4:326 0:000 BANK 1 DIMM1 2400MHz 16384MB(Ext:0MB)
388. 4:326 0:000 mTotalSystemMemory = 65536

389. 4:326 0:000 NumberOfMemoryDevices = 4
390. 4:326 0:000 Type20[0]->End = 0xFFFFFFFF, Type17[0] = 4000
391. 4:326 0:000 Type20[1]->End = 0x2FFFFFFF, Type17[2] = 10000
392. 4:326 0:000 Type20[2]->End = 0x1FFFFFFF, Type17[1] = 18000
393. 4:326 0:000 Table 131 is present, CPUType=31
394. 4:326 0:000 Change to: 705
395. 4:326 0:000 === [PatchACPI] =====
396. 4:326 0:000 Xsdt reallocation done
397. 4:326 0:000 old FADT length=114
398. 4:326 0:000 SignatureFixup: 0x885735AB -> 0x0
399. 4:326 0:000 Apply DsdtFixMask=0x00000000
400. 4:326 0:000 === [FixBiosDsdt] =====
401. 4:327 0:000 Patching DSDT:
402. 4:327 0:000 - [change GFX0 to IGPU]: pattern 47465830, patched at: [(51)]
403. 4:327 0:000 - [change HECI to IMEI]: pattern 48454349, patched at: [(1218F)]
404. 4:327 0:000 - [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
405. 4:327 0:000 - [change SAT0 to SATA]: pattern 53415430, patched at: [(329)]
406. 4:327 0:000 0 replacements
407. 4:328 0:000 PreCleanup XSDT: count=20, length=196
408. 4:328 0:000 PreCleanup XSDT, corrected XSDT: count=20, length=196
409. 4:328 0:000 === [ACPIPatchedAML] =====
410. 4:328 0:000 AutoMerge pass 1
411. 4:328 0:000 Unsorted
412. 4:328 0:000 Inserting SSDT-EC-USBX.aml from EFI\CLOVER\ACPI\patched: ignore on pass 1
413. 4:328 0:000 Inserting SSDT-USB-Z170-K.aml from EFI\CLOVER\ACPI\patched: ignore on pass 1
414. 4:328 0:000 === [ACPIDropTables] =====
415. 4:328 0:000 Patching SSDT SataTabl Length=912
416. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
417. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
418. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
419. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, patched at: [(2D)]
420. 4:328 0:000 0 replacements
421. 4:328 0:000 Patching SSDT SaSsdT Length=12353
422. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, patched at: [(2D)]
423. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
424. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
425. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!

426. 4:328 0:000 0 replacements
427. 4:328 0:000 Found OperationRegion(SANV, SystemMemory, C29FF358, ...)
428. 4:328 0:000 Patching SSDT PegSsdT Length=9540
429. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
430. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
431. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
432. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
433. 4:328 0:000 0 replacements
434. 4:328 0:000 Patching SSDT Ther_Rvp Length=3643
435. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
436. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
437. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
438. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
439. 4:328 0:000 0 replacements
440. 4:328 0:000 Patching SSDT xh_rvp08 Length=2845
441. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
442. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
443. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
444. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
445. 4:328 0:000 0 replacements
446. 4:328 0:000 Patching SSDT CpuSsdT Length=3806
447. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
448. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
449. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
450. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
451. 4:328 0:000 0 replacements
452. 4:328 0:000 Found OperationRegion(PNVS, SystemMemory, B3DA6000, ...)
453. 4:328 0:000 Patching SSDT sensrhub Length=671
454. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
455. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
456. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!

457. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
458. 4:328 0:000 0 replacements
459. 4:328 0:000 Patching SSDT PtidDevc Length=12290
460. 4:328 0:000 0. [change GFX0 to IGPU]: pattern 47465830, bin not found / already patched!
461. 4:328 0:000 1. [change HECI to IMEI]: pattern 48454349, bin not found / already patched!
462. 4:328 0:000 2. [change MEI to IMEI]: pattern 4D45495F, bin not found / already patched!
463. 4:328 0:000 3. [change SAT0 to SATA]: pattern 53415430, bin not found / already patched!
464. 4:328 0:000 0 replacements
465. 4:328 0:000 === [ACPIPatchedAML] =====
466. 4:328 0:000 AutoMerge pass 2
467. 4:328 0:000 Unsorted
468. 4:328 0:000 Inserting SSDT-EC-USBX.aml from EFI\CLOVER\ACPI\patched: size=278 ...
Success
469. 4:328 0:000 Inserting SSDT-USB-Z170-K.aml from EFI\CLOVER\ACPI\patched: size=582 ...
Success
470. 4:329 0:000 ApicCPUNum=1
471. 4:329 0:000 Drop tables from XSDT, SIGN=APIC TableID= Length=0
472. 4:329 0:000 Table[1]: APIC A M I 188 dropped
473. 4:329 0:000 Found subtable in MADT: type=0
474. 4:329 0:000 AcpiProcessorId: 0x01
475. 4:329 0:000 LocalApicNMI is already present, no patch needed
476. 4:329 0:000 New APIC table successfully inserted
477. 4:329 0:000 Using custom MaxMultiplier 48 instead of automatic 40
478. 4:329 0:000 Maximum control=0x30
479. 4:329 0:000 Turbo control=0x2F
480. 4:329 0:000 P-States: min 0xA, max 0x2F
481. 4:329 0:000 SSDT with CPU P-States and plugin-type generated successfully
482. 4:329 0:000 SSDT with CPU C-States generated successfully
483. 4:329 0:000 Cleanup XSDT: count=25, length=236
484. 4:329 0:000 corrected XSDT count=24, length=228
485. 4:329 0:000 === [RestSetup macOS] =====
486. 4:329 0:000 EdidDiscovered size=128
487. 4:329 0:000 --- Discovered EDID Table size:128
488. 4:329 0:000 000 | 00 FF FF FF FF FF FF 00 05 E3
489. 4:329 0:000 010 | 68 28 AA 06 00 00 13 19 01 03
490. 4:329 0:000 020 | 80 3E 22 78 2A EE D1 A5 55 48
491. 4:329 0:000 030 | 9B 26 12 50 54 BF EF 00 D1 C0
492. 4:329 0:000 040 | B3 00 95 00 81 80 81 40 81 C0


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493. 4:329 0:000 050 | 01 01 01 01 04 74 00 30 F2 70
494. 4:329 0:000 060 | 5A 80 B0 58 8A 00 6D 55 21 00
495. 4:329 0:000 070 | 00 1A 56 5E 00 A0 A0 A0 29 50
496. 4:329 0:000 080 | 30 20 35 00 6D 55 21 00 00 1E
497. 4:329 0:000 090 | 00 00 00 FD 00 17 50 1E 63 1E
498. 4:329 0:000 100 | 00 0A 20 20 20 20 20 00 00
499. 4:329 0:000 110 | 00 FC 00 55 32 38 36 38 0A 20
500. 4:329 0:000 120 | 20 20 20 20 20 20 01 3F
501. 4:329 0:000 Intel GFX injection not set
502. 4:329 0:000 RCBA disabled; cannot use it
503. 4:329 0:000 stringlength = 1314
504. 4:329 0:000 CurrentMode: Width=3840 Height=2160
505. 4:329 0:000 Beginning FSInjection
506. FSInjectionInstall ...
507. - Our FSI_SIMPLE_FILE_SYSTEM_PROTOCOL installed on handle: BD873F18
508. FSInjectionInstall ...
509. - Our FSI_SIMPLE_FILE_SYSTEM_PROTOCOL installed on handle: BD873F18
510. 4:346 0:017 Use origin smbios table type 1 guid.
511. 4:365 0:018 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\Other
512. 4:365 0:000 ->Extra kext: EFI\CLOVER\kexts\Other\RtWlanU.kext (v.1830.32.b15)
513. 4:442 0:076 ->Extra kext: EFI\CLOVER\kexts\Other\RtWlanU1827.kext (v.1827.4.b36)
514. 4:480 0:037 ->Extra kext: EFI\CLOVER\kexts\Other\FakeSMC.kext (v.1800)
515. 4:489          0:009          |--          PlugIn          kext:
      EFI\CLOVER\kexts\Other\FakeSMC.kext\Contents\PlugIns\FakeSMC_SMMSensors.kext
      (v.1800)
516. 4:494          0:005          |--          PlugIn          kext:
      EFI\CLOVER\kexts\Other\FakeSMC.kext\Contents\PlugIns\FakeSMC_LPCSensors.kext
      (v.1800)
517. 4:560          0:065          |--          PlugIn          kext:
      EFI\CLOVER\kexts\Other\FakeSMC.kext\Contents\PlugIns\FakeSMC_GPUSensors.kext
      (v.1800)
518. 4:567          0:007          |--          PlugIn          kext:
      EFI\CLOVER\kexts\Other\FakeSMC.kext\Contents\PlugIns\FakeSMC_CPUSensors.kext
      (v.1800)
519. 4:572          0:005          |--          PlugIn          kext:
      EFI\CLOVER\kexts\Other\FakeSMC.kext\Contents\PlugIns\FakeSMC_ACPIsensors.kext
      (v.1800)
520. 4:581 0:008 ->Extra kext: EFI\CLOVER\kexts\Other\RealtekRTL8111.kext (v.2.2.2)
521. 4:586 0:005 ->Extra kext: EFI\CLOVER\kexts\Other\WhateverGreen.kext (v.1.3.9)
522. 4:595 0:008 ->Extra kext: EFI\CLOVER\kexts\Other\AppleALC.kext (v.1.4.9)
523. 5:127 0:531 ->Extra kext: EFI\CLOVER\kexts\Other\Lilu.kext (v.1.4.4)

```

```
524. 5:135 0:008 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\Off
525. 5:135 0:000 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\10
526. 5:135 0:000 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\10_normal
527. 5:135 0:000 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\10.15
528. 5:135 0:000 Preparing kexts injection for arch=x86_64 from
      EFI\CLOVER\kexts\10.15_normal
529. 5:135 0:000 Preparing kexts injection for arch=x86_64 from EFI\CLOVER\kexts\10.15.5
530. 5:135 0:000 Preparing kexts injection for arch=x86_64 from
      EFI\CLOVER\kexts\10.15.5_normal
531. 5:141 0:006 SetStartupDiskVolume:
532. 5:141 0:000 * Volume: 'CATALINA'
533. 5:141 0:000 * LoaderPath: ''
534. 5:141 0:000 * DevPath: CATALINA
535. 5:141 0:000 * GUID = 2C4B9FB3-17B6-4182-943D-698567C2E1FB
536. 5:142 0:000 * efi-boot-device:
      <array><dict><key>IOMatch</key><dict><key>IOProviderClass</key><string>IOMedia</string><
      17B6-4182-943D-698567C2E1FB</string></dict></dict></dict></array>
537. 5:143 0:000 Custom boot screen not used because entry has unset use graphics
```

Alles anzeigen

Beitrag von „CMMChris“ vom 29. Mai 2020, 14:24

Das ist der Log von Clover und hat mit macOS erstmal nichts zu tun. Clover schreibt da alles rein was der Bootloader beim Start macht. Dem Log kannst du Fehler entnehmen oder auch Patches die gar nicht nötig sind.

Beitrag von „g-force“ vom 29. Mai 2020, 14:29

Du hast natürlich Recht, das ist der Boot.log von Clover. Wird dort nicht der gesamte Boot abgebildet?

Ich kann nicht verlangen, daß sich jemand den ganzen Log durchliest - aber wenn mir jemand einen Fehler aufzeigen kann, hätte ich schonmal einen Anfang zur Optimierung.

Oder brauche ich für eine Analyse des Bootvorgangs einen anderen Log?

Beitrag von „CMMChris“ vom 29. Mai 2020, 14:42

Kommt drauf an ob du einen Fehler von macOS oder von Clover analysieren willst. Boot Log ist wie gesagt nur Clover. Den macOS Start sieht man im Kernel Log

Beitrag von „g-force“ vom 29. Mai 2020, 18:16

Ich starte momentan mit -v mit Clover, um zu beobachten. Das System startet sauber durch, eigentlich gibt es kein Problem.

Aber Du kennst das ja, man will es gerne genau wissen. Wie kann ich den "kernel.log" auslesen?

Beitrag von „Raptortosh“ vom 29. Mai 2020, 18:20

Ja das ist der Boot log von clover. Bei Opencore gibt's den nicht. Bei Ozmosis gibt es den, nur bei der Xmax Extended Version gibt es den nicht.

Ich habe den Kernel log nie gebraucht, aber vielleicht kommt man mit darwindumper an den...

Beitrag von „CMMChris“ vom 29. Mai 2020, 18:25

Den Kernel Log kannst du im Terminal einsehen oder einfach bequem mit Hackintool.



Beitrag von „g-force“ vom 29. Mai 2020, 18:51

Danke Dir, Chris. Kann ich denn mithilfe dieses Kernel.log erkennen, wo es evtl. beim Boot etwas hakt?

Ich stelle meine Frage auch gerne etwas anders: Wie kann ich den Boot optimieren und nach Fehlern oder Bremsen suchen?

Beitrag von „CMMChris“ vom 29. Mai 2020, 19:11

Unter Umständen schon. Das zu erklären ist aber nahezu unmöglich. Das ist einfach Erfahrungssache.

Beitrag von „g-force“ vom 29. Mai 2020, 19:39

Einfach gefragt: Ist ein Boot von ca. 20 Sekunden bei NVMe normal (Kaltstart auch länger) normal?

Klar sammele ich Erfahrungen, aber hier bin ich überfordert. Ich sehe keine Fehler, der Boot läuft durch, aber es gibt "Bedenk-Sekunden".

Es ist "Jammern auf hohem Niveau", ich weiß.

Beitrag von „CMMChris“ vom 29. Mai 2020, 19:42

Ja völlig in Ordnung.