

Erledigt

Boot Stick Windows 10 bootet nicht

Beitrag von „ozw00d“ vom 19. Januar 2020, 21:33

Was ich nicht verstehe: Warum so umständlich?

Es gibt zwei arten von Sticks, MBR (Legacy) und GPT (UEFI) mit dem etcher wirst du das nicht hinbekommen.

Geh an ein Windows System und nutze die Powershell:

Code

```
1. #####
2. # Creating a bootable USB drive for installing Windows
3. # on UEFI / GPT systems
4. #####
5.
6. #####
7. # Start by clearing the screen, tell user how to start
8. #####
9.
10. cls
11. Write-Host
12. Write-Host ' Plug in a USB flash (thumb) drive, recommended'
13. Write-Host ' size (standard W10 install media) 6 GB or more.'
14. Write-Host
15. Write-Host ' Notice: Remove all other USB flash drives'
16. Write-Host ' leaving only the one to be used connected.'
17. Write-Host
18. Write-Host ' If more than 1 USB flash drives are connected'
19. Write-Host ' this process will fail.'
20. Write-Host
21. Write-Host ' External USB hard disks may remain connected,'
22. Write-Host ' just remove all additional USB flash drives.'
23. Write-Host
24.
25. #####
26. # Pause to wait a key to be pressed, then check connected
27. # disks showing their name and ID asking user to select
```

```

28. # the USB flash drive to be used. Showing clear warning to
29. # user with magenta text color to be sure user understands
30. # risks involved, cleaning wrong disk will cause issues!
31. #####
32.
33. pause
34. cls
35. Write-Host
36. Write-Host 'Checking connected disks. This might take a while...'
37. Write-Host
38. Get-Disk | Format-Table Number, Friendlyname, HealthStatus, PartitionStyle,
39. @{n='Size';e={[int]($_.Size/1GB)}}
40. Write-Host
41. Write-Host ' Above is a list of all your connected disks.'
42. Write-Host ' Size is given in full gigabytes (GB).'
43. Write-Host
44. Write-Host ' Enter the Disk Number (left column) for USB'
45. Write-Host ' flash (thumb) drive to be made as bootable'
46. Write-Host ' Windows install media.'
47. Write-Host
48. Write-Host
   '#####'
   -ForegroundColor Magenta
49. Write-Host '# Be extremely careful! #' -ForegroundColor Magenta
50. Write-Host '# #' -ForegroundColor Magenta
51. Write-Host '# Selected disk will be wiped clean and formatted. #' -ForegroundColor Magenta
52. Write-Host '# Selecting wrong disk, you will lose any data on it. #' -ForegroundColor Magenta
53. Write-Host '# #' -ForegroundColor Magenta
54. Write-Host '# Accidentally selecting disk containing Windows, you will #' -ForegroundColor
   Magenta
55. Write-Host '# make it unbootable, in which case you will lose all your #' -ForegroundColor
   Magenta
56. Write-Host '# installed software and personal user files and folders! #' -ForegroundColor
   Magenta
57. Write-Host '# #' -ForegroundColor Magenta
58. Write-Host '# If you are unsure, press CTRL + C to abort now. #' -ForegroundColor Magenta
59. Write-Host
   '#####'
   -ForegroundColor Magenta
60. Write-Host
61.
62. #####

```

```

63. # Getting the USB ID number from user, asking one more
64. # time if user is sure and wants to proceed. To avoid any
65. # liability issues, user is asked not only to press a key
66. # but clearly type YES. If a wrong disk fill be cleaned
67. # and formatted after this, it's caused by user not script
68. #####
69.
70. $USBNUMBER = Read-Host -Prompt ' Enter your selection, and press Enter'
71.
72. cls
73. Write-Host
74. Write-Host ' Are you sure?'
75. Write-Host
76. Write-Host ' Selected disk will be completely wiped and formatted!'
77. Write-Host
78. Write-Host ' Please type YES (not case sensitive) and press Enter'
79. Write-Host ' to confirm, any other key or string + Enter to exit.'
80. Write-Host
81.
82. $AreYouSure = Read-Host -Prompt ' Type YES and press Enter to confirm'
83.
84. if ($AreYouSure -ne 'YES')
85. {exit}
86.
87. cls
88. Write-Host
89. Write-Host ' Wiping USB flash drive clean & formatting it'
90.
91. Clear-Disk -Number $USBNUMBER -RemoveData
92. New-Partition -DiskNumber $USBNUMBER -UseMaximumSize -AssignDriveLetter
93.
94. $USBDrive = Get-WmiObject Win32_Volume -Filter "DriveType='2'"
95. $USBDrive = $USBDrive.DriveLetter
96.
97. Format-Volume -NewFileSystemLabel "W10 USB" -FileSystem FAT32 -DriveLetter
    $USBDrive.Trim(":", " ")
98.
99. $USBDrive = ($USBDrive + '\')
100.
101. #####
102. # USB flash drive cleaned and formatted, asking user to
103. # mount ISO and enter its drive letter. Entered drive
104. # letter or path will be written to variable $ISOFolder
105. #####

```

```

106.
107. cls
108. Write-Host
109. Write-Host ' Right click a Windows 10 ISO image and select "Mount".'
110. Write-Host
111. Write-Host ' When done, enter the drive letter of mounted ISO'
112. Write-Host ' below and press Enter.'
113. Write-Host
114. Write-Host ' If you want to add additional files and folders to USB,'
115. Write-Host ' copy the the contents of mounted ISO to a folder. Copy'
116. Write-Host ' additional content for instance customised "autounattend.xml"'
117. Write-Host ' for unattended "Hands-Free" installation, driver installers'
118. Write-Host ' and such to same folder, enter the path to that folder'
119. Write-Host ' and press Enter.'
120. Write-Host
121. Write-Host ' Examples:'
122. Write-Host ' - ISO mounted as drive F:, no additional content required, enter F'
123. Write-Host ' - ISO contents copied to "D:\ISO_Files", enter D:\ISO_Files'
124. Write-Host ' - ISO contents copied to "X:\MyStuff\ISO", enter X:\MyStuff\ISO'
125. Write-Host
126. $ISOFolder = Read-Host -Prompt ' Enter path to source folder, press Enter'
127.
128. #####
129. # Check if path entered by user is a drive letter by
130. # checking its length. If length is a single character,
131. # it is a drive letter for mounted ISO in which case we
132. # add a colon (:) to variable value, X becoming X:
133. #####
134.
135. if ($ISOFolder.length -eq 1)
136. { $ISOFolder = $ISOFolder + ":" }
137.
138. #####
139. # Check if entered mounted ISO or path to folder contains
140. # \Sources\install.wim (or install.esd) file (single bit
141. # architecture ISO), or in case of dual architecture ISO
142. # if install.wim (or install.esd) file can be found either
143. # in \x86\Sources or \x64\Sources folder or both of them.
144. #
145. # If install.wim or install.esd file is not found, given
146. # mounted ISO or folder path does not contain valid
147. # W10 install files in which case script is aborted.
148. #####

```

```

149.
150. $WimCount = 0
151. if ((Test-Path $ISOFolder\Sources\install.wim) -or
152. (Test-Path $ISOFolder\x86\Sources\install.wim) -or
153. (Test-Path $ISOFolder\x64\Sources\install.wim) -or
154. (Test-Path $ISOFolder\Sources\install.esd) -or
155. (Test-Path $ISOFolder\x86\Sources\install.esd) -or
156. (Test-Path $ISOFolder\x64\Sources\install.esd))
157. {$WimCount = 1}
158. else
159. {
160. cls
161. Write-Host
162. Write-Host ' No Windows 10 installation files found.'
163. Write-Host ' Please check mounted ISO letter or path'
164. Write-Host ' to folder containing installation files'
165. Write-Host ' and run script again.'
166. Write-Host
167. Pause
168. Exit
169. }
170.
171. #####
172. # Copying ISO content to USB flash drive
173. #####
174.
175. cls
176. $Files = Get-ChildItem -Path $ISOFolder -Recurse
177. $FileCount = $Files.count
178. $i=0
179. Foreach ($File in $Files) {
180. $i++
181. Write-Progress -activity "Copying files to USB. Get a cup of java or shot of single malt,
    this will take a few minutes..." -status "$File ($i of $FileCount)" -percentcomplete
    (($i/$FileCount)*100)
182. if ($File.psiscontainer) {$SourcefileContainer = $File.parent} else {$SourcefileContainer
    = $File.directory}
183. $RelativePath = $SourcefileContainer.fullname.SubString($ISOFolder.length)
184. Copy-Item $File.fullname ($USBDrive + $RelativePath)
185. }
186.
187. #####
188. # Telling user a bootable USB flash drive has been created

```

```
189. # and showing "Free to share" plus credits
190. #####
191.
192. cls
193. Write-Host
194. Write-Host ' Bootable Windows 10 USB drive for installing'
195. Write-Host ' Windows 10 on UEFI / GPT computers created.'
196. Write-Host
197. Write-Host ' You are free to edit and share this script'
198. Write-Host ' as long as source TenForums.com is mentioned'
199. Write-Host
200. Write-Host ' More Windows 10 tips, tricks, videos & tutorials at'
201. Write-Host ' https://www.tenforums.com'
202. Write-Host
203. Write-Host ' Twitter.com/TenForums -- Facebook.com/TenForums'
204. Write-Host
205. Write-Host ' Script by Kari'
206. Write-Host ' - TenForums.com/members/kari.html'
207. Write-Host ' - Twitter.com/KariTheFinn'
208. Write-Host ' - YouTube.com/KariTheFinn'
209. Write-Host
210. Write-Host
```

Alles anzeigen

Tutorial sowie Quelle [hier](https://www.tenforums.com/members/kari.html)