## Problem Solving: handling long paths on pyinstaller .exe

Problem: executables, made by pyinstaller can only handle paths up to max 260 characters, also described on https://stackoverflow.com/questions/59742078/enabling-windows-long-file-pathsupport-in-pyinstaller-application

## Solving attempts:

- On Machine: disable max path length in registry
  - https://www.howtogeek.com/266621/how-to-make-windows-10-accept-file-pathsover-260-characters/ 05.05.2020 15:12

Regedit: HKEY LOCAL MACHINE\SYSTEM\CurrentControlSet\Control\FileSystem

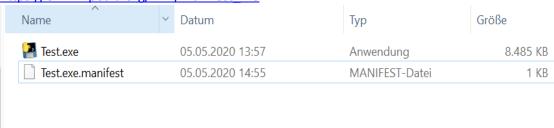
- LongPathsEnabled
- REG DWORD
- 1

- On Creating exe:
  - create exe using pyinstaller

</assembly>

- https://pyinstaller.readthedocs.io/en/stable/usage.html 05.05.2020 15:14
- https://www.youtube.com/watch?v=UZX5kH72Yx4 05.05.2020 15:15
- adding "manifest" file to folder of the exe

https://en.wikipedia.org/wiki/Manifest\_file



Manifest contains metadata of .exe , in this case contains following text :

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<assembly manifestVersion="1.0" xmlns="urn:schemas-microsoft-com:asm.v1">
 <application xmlns="urn:schemas-microsoft-com:asm.v3">
  <windowsSettings>
   <longPathAware
xmlns="http://schemas.microsoft.com/SMI/2016/WindowsSettings">true</longPath
Aware>
  </windowsSettings>
 </application>
```

- on this point, it would already work, next steps are optional
- combining exe and manifest together to one file (.exe)
  - https://docs.microsoft.com/en-us/windows/win32/sbscs/mt-exe
  - https://docs.microsoft.com/de-de/cpp/build/how-to-embed-a-manifestinside-a-c-cpp-application?view=vs-2019