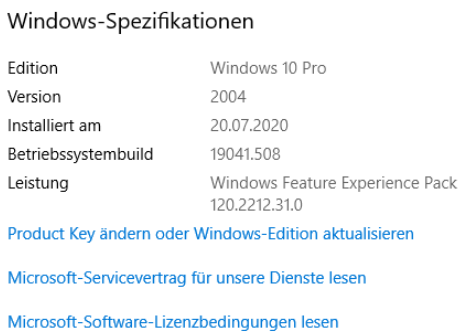
How to install NGS Toolkit

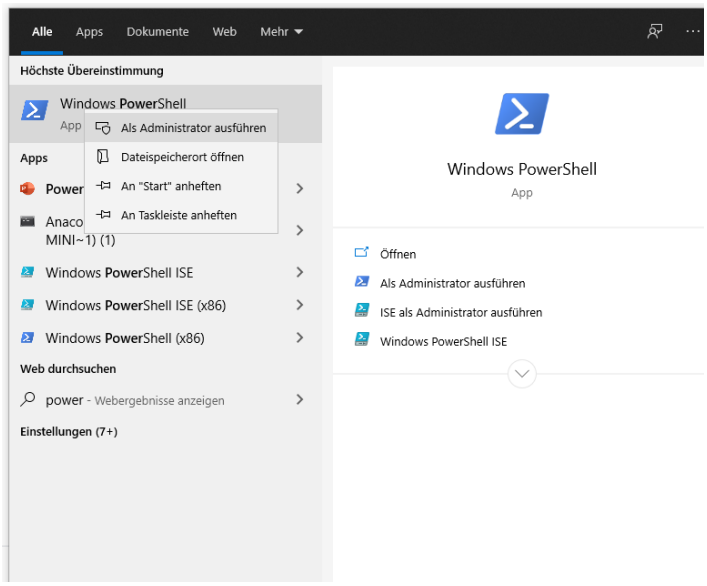
1. Update your **Windows10** build version
    a. **Version 2004**
    b. https://support.microsoft.com/de-de/help/4028685/windows-10-get-the-update



Note: If you have problems to update your windows version use the update assistant https://support.microsoft.com/de-de/help/3159635/windows-10-update-assistant

2. Install **Python 64Version** on your system (make sure that it is the 64but version not the 32bit version)

3. Update from WSL1 to WSL2
https://docs.microsoft.com/de-de/windows/wsl/install-win10
    a. Open Powershell as administrator



    b. Copy-paste following command line

dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart

c. Copy-paste following command line

dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all /norestart

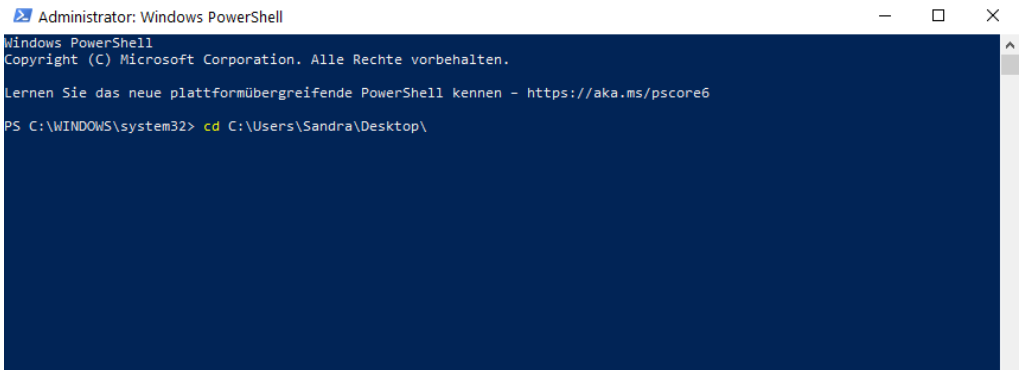
d. Restart your system

e. Download Linux-Kernel

i. Save the downloaded **msi file** locally on your file system (e.g. Desktop)

ii. Open Powershell as administrator

iii. Change the directory where your msi file is located



cd C:\Users\Sandra\Desktop

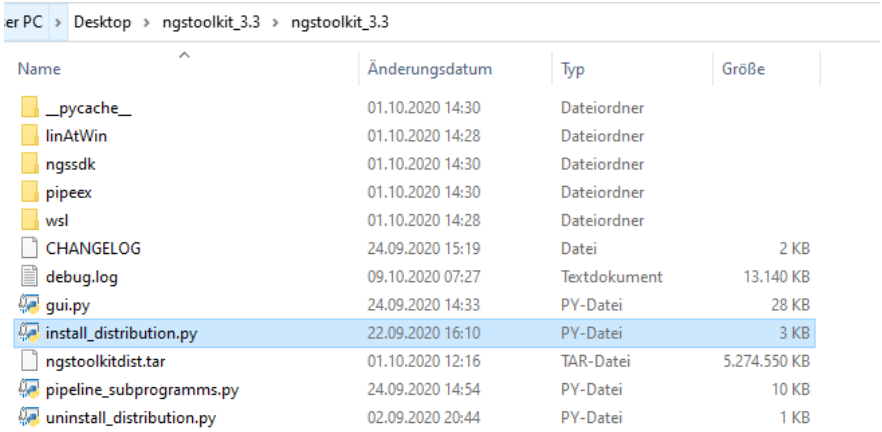
iv. Copy-paste following command

Start-Process .\wsl_update_x64.msi

4. Download NGS Toolkit and unpack it

5. Open the folder and double click on

install_distribution.py

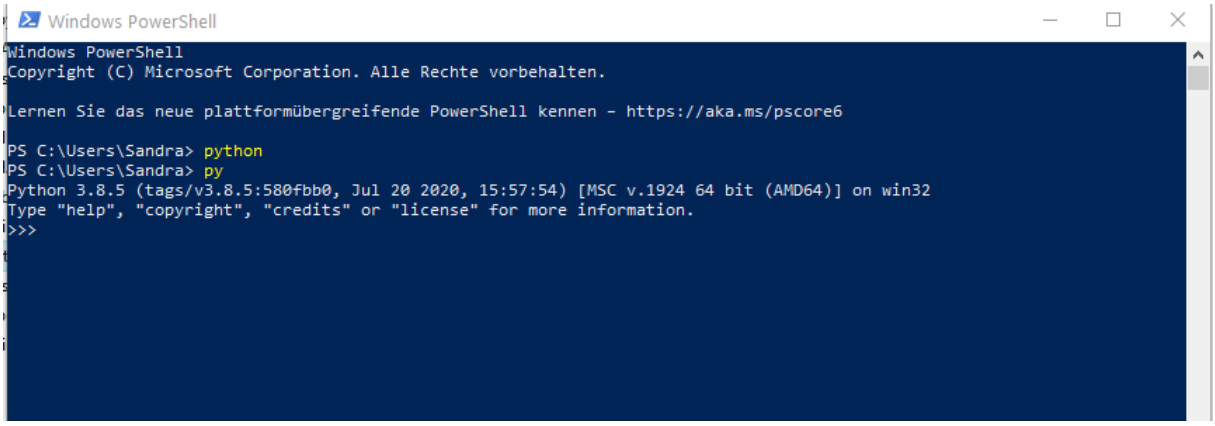


Use NGS Toolkit by double click on **gui.py**

You need a folder called <u>fastq</u> where your sequencing files are located!!!

Troubleshooting

1. Make sure the WIN10 version is the correct one
2. Make sure you are not using python 32 bit (open powershell and execute the command 'py'



3. Check WSL version

wsl --set-default-version 2

4. Restart your system and try it again
5. If you have problems running a study
    a. Check file path (remove all spaces in the path directory)
    b. Check if you have enough memory
    c. Make sure that your files are named according to Illumina requirements (e.g. Sample_S1_L001_R1_001.fastq)