

Name : **PeShell**

Version : **3.1.0.0**

Date : 2019/01/28

## 1. OVERVIEW

PeShell is an easy way to add Shell interface with start menu to your Windows PE USB drive.  
You don't need to modify your existing Win PE **boot.wim** file (not additional Dll, Sys, Reg, ... are needed)  
You only need "classic" WinPE Packages : **WinPE-WMI** and **WinPE-NetFX4 (.net 4.0)**



This 500 Kb utility will provide you **Taskbar** with the following features :

- **Start Menu** to add your own applications
- **Quick Launch** Area to add your favorite utilities
- **Keyboard layout** selections
- **System Information**
- **Settings**
- **Date & Time**
- **Close / Pin / Unpin / Resize** features.
- **Detect model & Add Drivers.**

## 2. FEATURES

### 2.1.TASKBAR


The Taskbar can be automatically hidden using the **Pin/Unpin** button

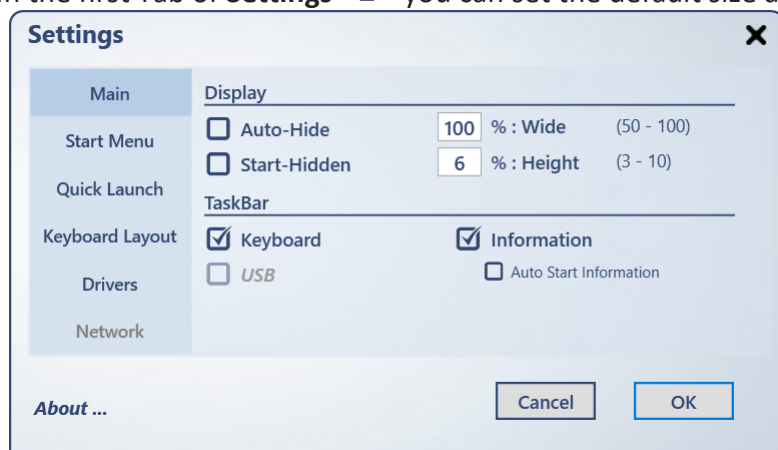


When Pinned to the desktop, the Taskbar can be **resized** to match your screen resolution.



### 2.1.SETTINGS - MAIN

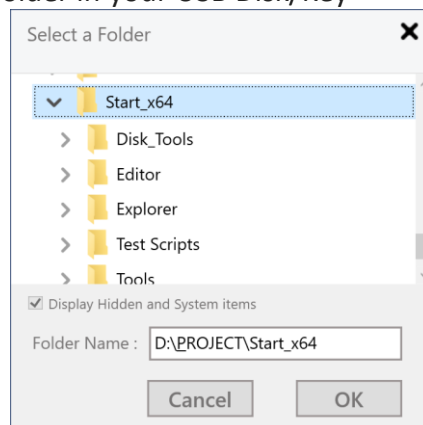
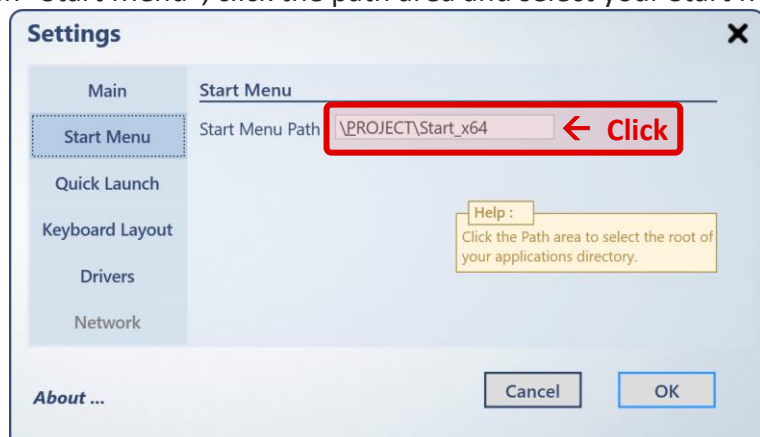
In the first Tab of **Settings**  you can set the default size and icons displayed in **Taskbar**.



Set display settings and the default size of TaskBar, Display/Hide Keyboard and Information icons, ...

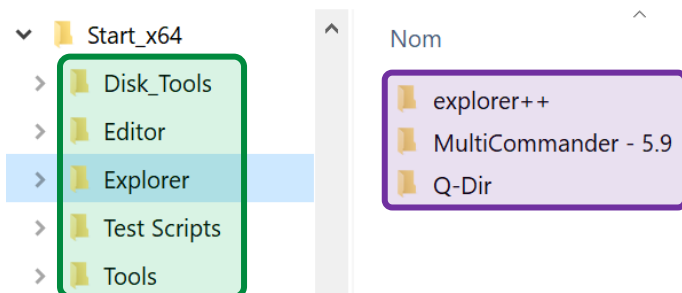
### 2.2.SETTINGS - START MENU

In "Start Menu", click the path area and select your Start Menu folder in your USB Disk/Key



Start Menu and PeShell.exe need to be in the same drive. (relative path)

# Some Tools



**Folders** in your selected directory will become the group name of your applications in Start Menu.

For each **folder**, **subfolders** are scanned for EXEcutable, CSV and HTA Files.

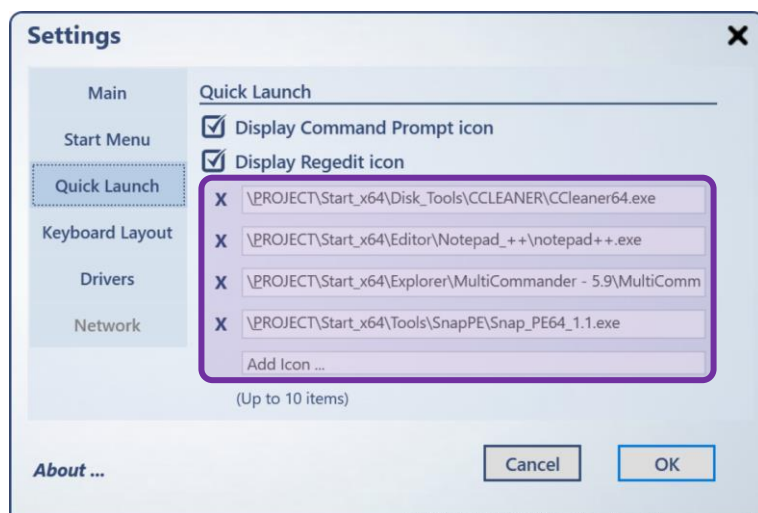
Icons automatically created

Files must be in a **subfolder**

You can **refresh** the content of Start Menu, **Restart** or **Shut-Down** the computer.



## 2.3.SETTINGS – QUICK LAUNCH

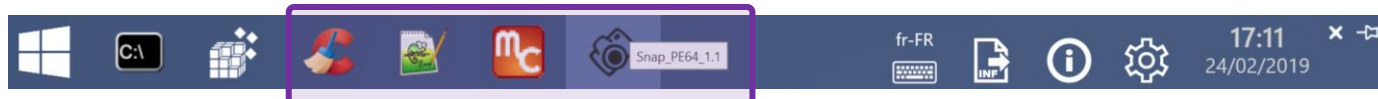


You can choose to display or not Command Prompt & Regedit icon.


You can add your **favorites applications or script**.

Many Portable applications are available and can be used with Windows PE :

<https://portableapps.com/apps>

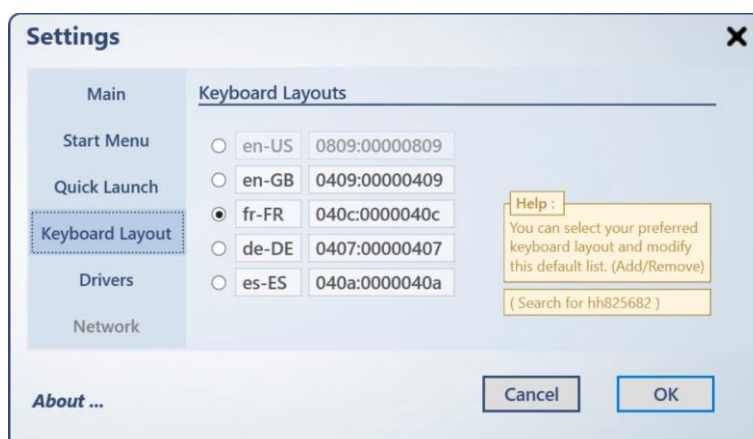


## 2.4.SETTINGS – KEYBOARD LAYOUT

Add, modify or remove keyboard definition in the list.  :

To remove, empty the two fields.

To Modify or Add, get the correct syntax here : <https://technet.microsoft.com/en-us/library/hh825682.aspx>



Only applications launched **after changes**, will use the new keyboard layout. Thus, **PeShell** will use your WinPE **default** keyboard layout.



## 2.5.SETTINGS – DRIVERS

**NEW IN VERSION 3.1.0.0**

The **Drivers Tab** provide the possibility to **detect** your hardware, **select** the matching folder and automatically **install** INF drivers (all found inf in all subfolders).

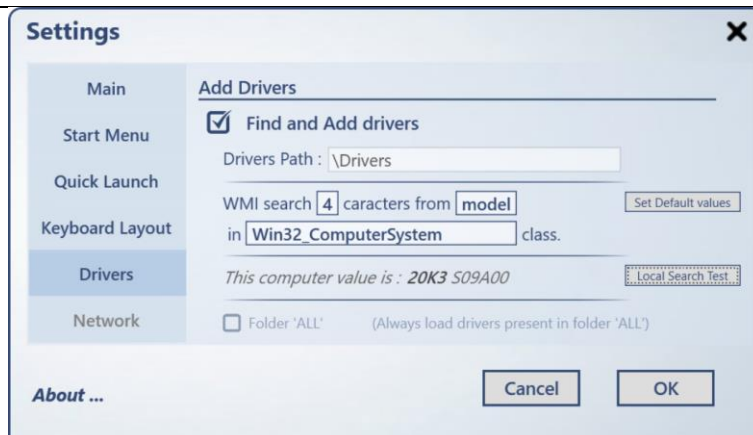
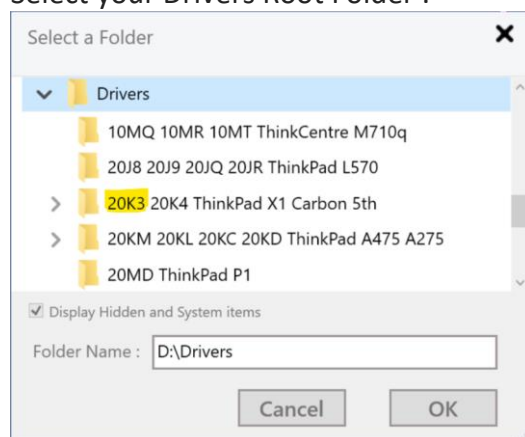


It is a dynamic way to load Ethernet, Disk controller, Touch Screen drivers, ... Then, it is not necessary to expand **Boot.wim** file, add driver and save **Boot.wim** every time you need to add/test a new driver.

You can modify the WMI query to match your computer model.

**[Local Search Test]** button can be used to test the query.

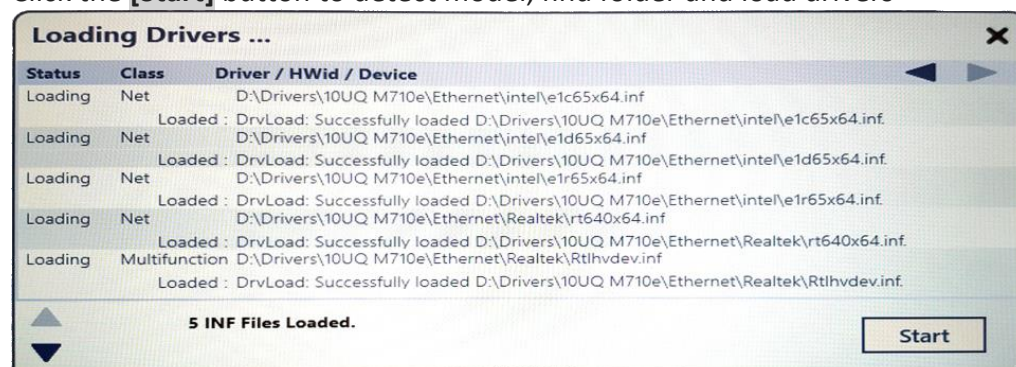
Select your Drivers Root Folder :



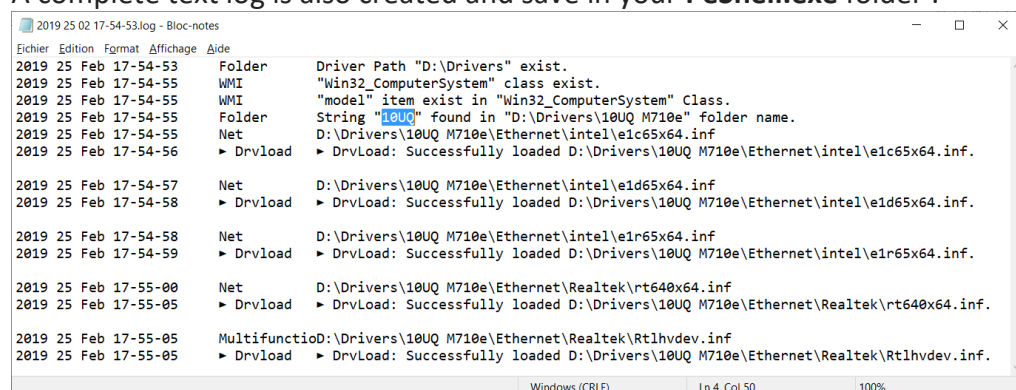
Your INF driver folder name must contain your WMI query result. ( Here : **20K3** )



Click the **[Start]** button to detect model, find folder and load drivers




A complete text log is also created and save in your **PeShell.exe** folder :



A full SSCM Pack Driver can be used to find and select correct driver for LAN, WLAN, Card Reader or TouchScreen.

## 2.6.SETTINGS – INFORMATION

Information  icon display Bios, Hardware and some Software information's :

**System information**

**Product**  
 Brand : LENOVO  
 System Family : ThinkPad X1C 5th W10DG  
 Model : 20K3S09A00  
 Serial Number :   
 Chassis Type : 10 (Notebook)

**Bios**  
 Manufacturer : LENOVO  
 Version : N1MET50W (1.35 )  
 Date : 2018-09-10 ( N1MET50W (1.35 ))  
 AssetTagValue : No Asset Information  
 Boot Mode : #N/A

**Hardware**  
 Intel® Core™ i5-6300U CPU - 2.40 GHz  
 L2 : 512 Mo L3 : 3072 Mo 2 Cores / 4 Threads  
 Bank 0 : 4 GB - (1867 MHz - SK Hynix)  
 Bank 2 : 4 GB - (1867 MHz - SK Hynix)  
 #0 : 1024 GB Fixed hard disk 5 Part.  
 ThinkPad TBT 3 Dock Ethernet

**Operating System**  
 Boot Drive : D:\ Drive Type : Fixed Drive  
 Windows PE 10 (Build 1809) - 64 bits  
 Version : 10.0.17763

**Add in Version 3.1.0.0 :**

- Fully resizable.
- Chassis Type.
- Boot mode (Under WinPE display UEFI or Legacy)
- Now, compatible with AMD.
- Display empty drives.
- Sort HDD SSD List.

## 3. DOWNLOAD

Last version of PeShell.exe (x64) is available for Download :



<https://sometools.eu/winpe-tool-peshell>

## 4. INSTALLATION

The WinPE drive letter assignments may change when booting with your USB device, depending on the detected hardware. Thus, it can be difficult to automate the launch of **PeShell** from your USB Key.

**Launcher.exe** is a small tool designed to :

- Detect Drive letter. (Drive letter from your WinPE USB Key/External USB HDD)
- Search **PeShell**, in all 1<sup>st</sup> sub folder level of your USB Key.
- Display a black square in the top-left corner of your screen.
- Launch **PeShell**.



*Launcher.exe can be used to launch a specific application or Script.  
Launcher.exe without arguments will search for **PeShell.exe***

Last version of Launcher.exe (x64) is available for Download :



<https://sometools.eu/winpe-tool-launcher>

If you are using **Launcher** utility, you only need to copy **PeShell.exe** in a directory of your WinPE USB Key. A good idea is to use your "**Start Menu Folder**" (Start\_x64 in previous Screenshot).

## 5. INFORMATION

### 5.1.VERSION HISTORY

Version	Date	Comment
1.x to 2.x	2010 - 2016	Fullscreen & Windowed HTA Version
3.0.0.0	2016	C# Version
3.1.0.0	2019/01/28	<b>Add</b> Documentation <b>Add</b> Loading Drivers Feature <b>Improve</b> Hardware-Software Information Utility <ul style="list-style-type: none"><li>• <b>Add</b> feature : Resizable, boot mode, ChassisType, sort HDD</li><li>• <b>Correct Bug</b> : AMD Processors info, Empty drives, ...</li></ul>

### 5.2.CONTACT

Feel free to contact me for Help, Support, ideas for improvement or additional development.

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<https://fr.linkedin.com/in/claude-boucher>