Reverting 10X boot restrictions & returning to classic 10

Prerequisites

- A Windows 10 Setup USB of an identical or higher version than the 10X build you've used
  - For example if you're on 10X build 20279, you'll want Windows 10 Insider Preview build 20279 or newer (download here)
- An x64 EFI shell (click here to download)
- gdisk64.exe (extract from ZIP) (click here to download)

Before you begin, make sure Secure Boot is turned off on the machine you wish to roll back to classic 10

Tweak USB contents

- Plug in the setup USB drive
- Navigate to `efi\boot` inside your USB drive
- Rename the existing `bootx64.efi` file to `winx64.efi`
- Copy the EFI shell file you've downloaded to that directory and rename it to `bootx64.efi`
- Create a file on the root of your USB drive called `startup.nsh` and open it in Notepad
- Paste this text into Notepad and save the file:

```
dmpstore -d SecureBootPlatformID -guid 77FA9ABD-0359-4D32-BD60-28F4E78F784B
fs0:\efi\boot\winx64.efi
fs1:\efi\boot\winx64.efi
fs2:\efi\boot\winx64.efi
fs3:\efi\boot\winx64.efi
fs4:\efi\boot\winx64.efi
fs5:\efi\boot\winx64.efi
fs6:\efi\boot\winx64.efi
fs7:\efi\boot\winx64.efi
```

```
fs8:\efi\boot\winx64.efi
fs9:\efi\boot\winx64.efi
fsA:\efi\boot\winx64.efi
```

- Copy gdisk64.exe to the root of your USB drive
- The USB drive is now ready to use

Extra troubleshooting

Recent devices with Intel Pentium (Gold) chips that use Insyde BIOS are prone to entering a faulty Secure Boot state, resulting in the machine booting to a black screen with `Security Boot Fail` written in the middle, even though UEFI says Secure Boot is off. To fix this issue, do the following:

- Turn Secure Boot on
- Save changes and boot to UEFI settings again
- Turn Secure Boot off
- Secure Boot should now be fully disabled

Erasing the Windows 10X disk layout

- Boot your Windows Setup USB
- Press Shift-F10 to open the Command Prompt
  - If nothing happens, you may need to also press the Fn key if your keyboard has one
- Find the drive letter of your USB drive (for example `D:`)
  - An easy way to do this is to run Notepad and use the File>Open menu item, then go to This PC and look for it
- Navigate to it using this command (don't forget to use the appropriate letter for your own USB)

```
D:
```

- Run spaceutil to find the ID of your physical drive

```
spaceutil get-drive -poolname ospool
```

- In spaceutil's output look for the `####` column, the value can for example be `0`
- Double check that the ID is correct by running gdisk64
  - Don't forget to change `X` in the command to the ID of your drive

```
gdisk64 -l \\.\physicaldriveX
```

- Make sure that the output of gdisk64 contains **OSPool** and other partitions of Windows 10X
- Use gdisk64 to clean up the drive using the following commands

- Don't forget to change `X` in the command to the ID of your drive

```
gdisk64 \\.\physicaldriveX
o
w
```

then press `Enter`

- Type `exit` to close the Command Prompt

You can now continue installing Windows 10 like you usually would

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