How to resolve "TDR Level Info – Your GPU is not configured properly for running D+"

Background

When a GPU computation takes too long, the graphic display of a computer can be stuck frozen waiting for the GPU to become available again.

To prevent this, Windows operating systems have a "Watchdog Timer" which will forcibly end any GPU calculation that takes longer than 2 seconds. It is possible to disable this setting with the TDR Level Key.
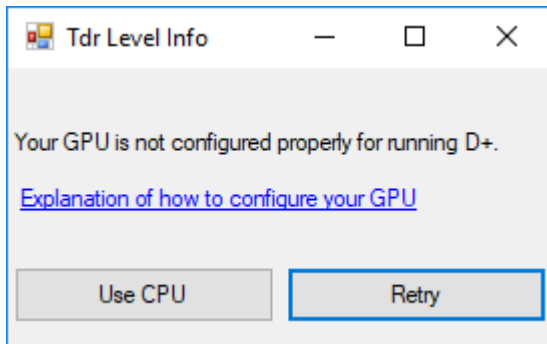
When running D+ on a GPU, it is possible for a GPU calculation to take longer than 2 seconds, which will cause D+ on Windows to crash after the watchdog is triggered.

Therefore, we have two recommendations:

1. Do not run D+ GPU calculations on a computer whose only GPU is the display GPU, as this can cause your entire computer to hang.
2. Assuming you have a second GPU to run D+ calculations on, to prevent the program from crashing you should change the registry key for TDR Level, which governs the watchdog timer.
3. If you do not have a second GPU or do not want to change your registry keys, run D+ on the CPU only

D+ enforces the second recommendation by not allowing GPU calculations to be run without disabling the watchdog timer. Users will get the following error message.
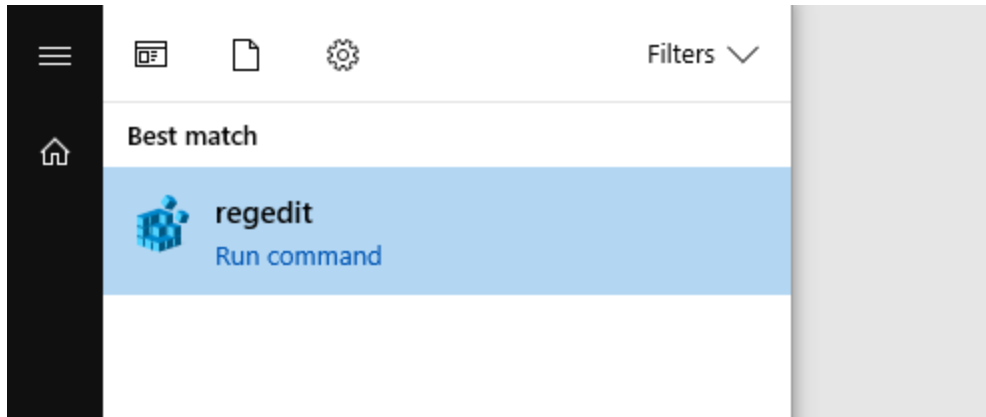
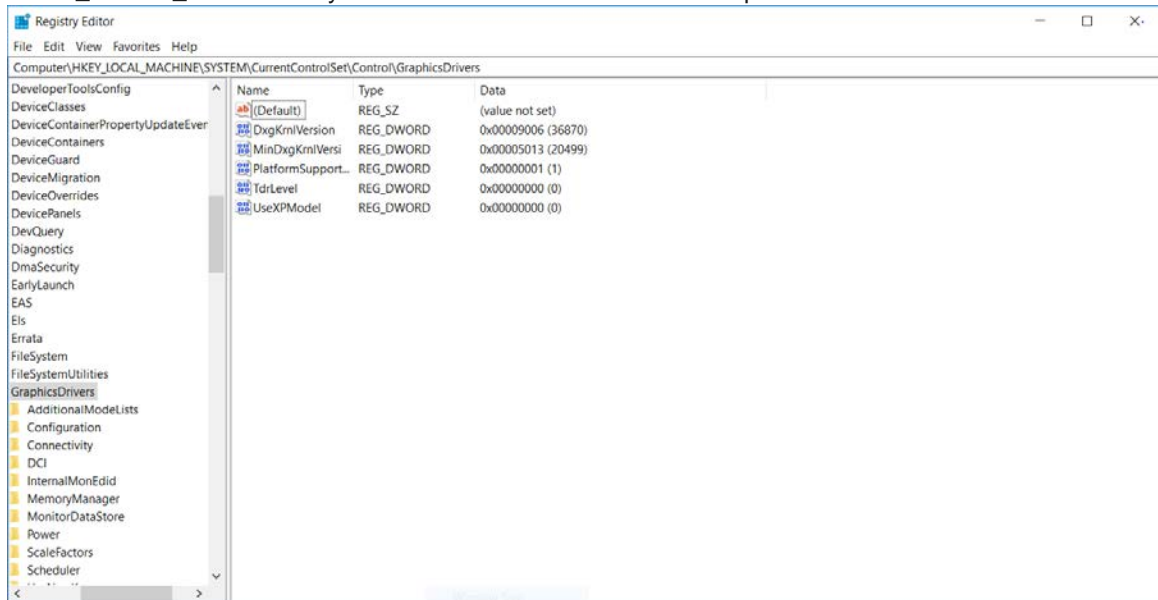"**Your GPU is not configured properly for running D+.**"

Pressing on "Explanations of how to configure you GPU" will take you to this file, which contains the following instructions.

Step-by-Step Instructions for how to create the TDR Level registry key:
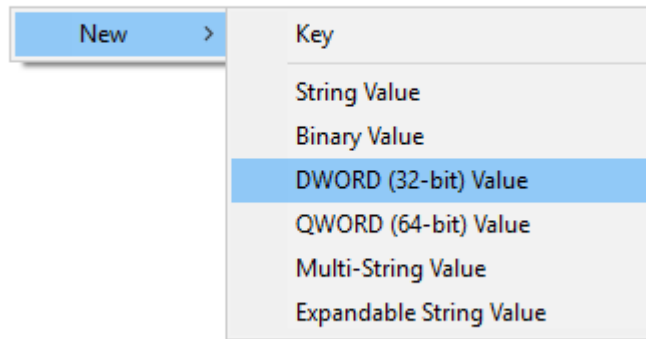
1. Open the registry editor by typing regedit into the search box of the taskbar menu

2. Within the registry editor, navigate to
   HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\GraphicsDrivers:
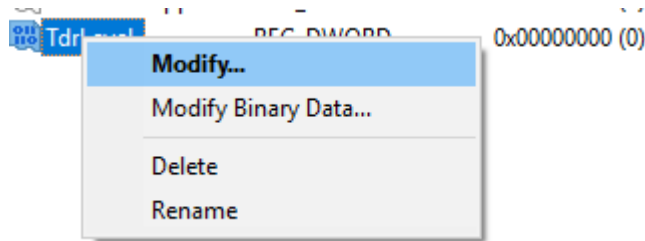

3. Right click in the empty area beneath the existing registry keys and select New> DWORD (32-BIT) Value
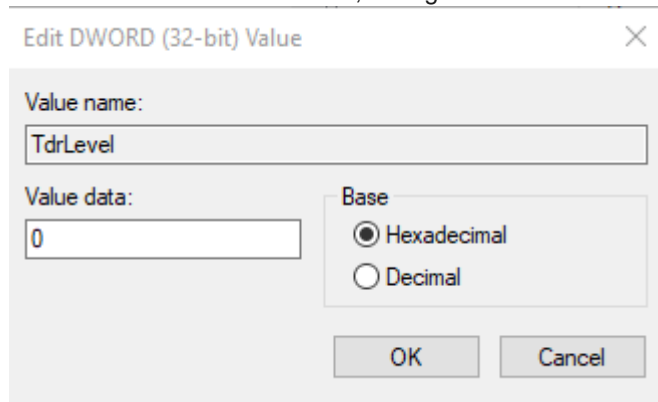

4. Name the new Value "TdrLevel" and make sure its value in Data is 0x00000000(0)

5. If the registry key TdrLevel already exists, and its value is not set to 0, right click on it and select "Modify"

6. In the box labeled "Value data", change the value to 0

7. Restart your system

Windows update

Users who have already followed the steps above to modify the registry key should be aware that when installing a Windows update, Windows may delete the TDR Level from the registry key. In that case it is necessary to once again follow the steps described above and restart the machine,