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How to read GPU (graphic card) temperature?

I am interested in a way how to read GPU temperature (graphics processing unit, main chip of graphic card), by using some video card driver API?

Everyone knows that there two different chip manufacturers (popular ones, at least) - ATI and nVIDIA - so there are two different kinds of drivers to read temperature from. I'm interested in learning how to do it for each different card driver.

Language in question is irrelevant - it could be C/C++, .NET platform, Java, but let's say that .NET is preferred.

Anyone been doing this before?

[windows](#) [api](#) [driver](#) [temperature](#) [video-card](#)

edited May 16 '10 at 10:04

asked May 16 '10 at 9:51



[mr.b](#)

2,669

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25

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2 Answers

For nVidia you would use `nvcpl.dll` .

Here's the documentation:

http://developer.download.nvidia.com/SDK/9.5/Samples/DEMOS/common/src/NvCpl/docs/NVControlPanel_API.pdf

answered May 16 '10 at



[shoosh](#)

44k 39 164

Although this is a partial answer to my question (as stated in answer, covers only nVidia), I'll mark it as answer. See below for my own ATI-related findings. – [mr.b](#) May 19 '10 at 22:40



I found this: AMD Display Library SDK (ADL for short). That covers ATI cards.

<http://developer.amd.com/display-library-adl-sdk/>

Link to the original page, via Wayback Machine:

<http://web.archive.org/web/20101103020811/http://developer.amd.com/gpu/adlsdk/Pages/default.aspx>

edited Sep 25 at 14:46

answered May 19 '10 at 22:45



[mr.b](#)

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The link is dead. The new link is developer.amd.com/display-library-adl-sdk – [devsnd](#) Sep 18 at 15:27

@devsnd thank you, I have updated the link. – [mr.b](#) Sep 25 at 14:47
