NVAPI SDK - PUBLIC FOR DRIVER RELEASE 331

RN-06118-331-v01 | October 2013

Release Notes

DOCUMENT CHANGE HISTORY

RN-06118-331-v01

Version	Date	Authors	Description of Change
01	10/31/2013	AP/CC	Initial release

NVAPI RELEASE NOTES

INTRODUCTION

NVAPI is NVIDIA's core software development kit that allows direct access to NVIDIA GPUs and drivers on all windows platforms. NVAPI provides support for categories of operations that range beyond the scope of those found in familiar graphics APIs such as DirectX and OpenGL.

The following are the provided files:

- nvapi.h
- nvapi.lib (for 32-bit support)
- nvapi64.lib (for 64-bit support)
- NvAPIDriverSettings.h
- NvAPIDriverSettings.c
- NVAPI_Reference_Developer.chm

These release notes describe the changes made in the NVAPI public SDK for the Release 331 driver.

CHANGES IN NVAPI FOR DRIVER RELEASE 331

- Functions
- Structures
- Enums
- Deprecated NVAPI Functions
- NVAPIDriverSettings Changes

Functions

- No new functions
- TCC_SUPPORTED added for the following APIs:
  - NvAPI_GPU_GetGpuCoreCount
  - NvAPI_GPU_GetBusId
  - NvAPI_GPU_GetBusSlotId
  - NvAPI_GPU_GetBoardInfo
  - NvAPI_GPU_GetPstates20
  - NvAPI_GPU_GetCurrentPstate
  - NvAPI_GPU_GetTachReading

Structures

- N/A

Enums

- NVDRS_DEFAULT_PROFILE_LOCATION added to NVDRS_SETTING_LOCAT

Deprecated NVAPI Functions

The following functions will be deprecated and replaced by new functions in coming releases:

Deprecated	Replaced By
N/A	N/A

NVAPIDriverSettings Changes

- OPTIMUS_DEBUG_STRING removed
- SHIM_IGPU_TRANSCODING_STRING removed
- PREVENT_UI_AF_OVERRIDE_STRING
- VRRFEATUREINDICATOR_STRING
- VRROVERLAYINDICATOR_STRING
- VRRREQUESTSTATE_STRING
- VSYNCVRRCONTROL_STRING
- WKS_FEATURE_SUPPORT_CONTROL_STRING removed
- OPTIMUS_DEBUG_ID removed from ESetting enum
- SHIM_IGPU_TRANSCODING_ID removed from ESetting enum
- PREVENT_UI_AF_OVERRIDE_ID added to ESetting enum
- VRRFEATUREINDICATOR_ID added to Esetting enum
- VRROVERLAYINDICATOR_ID added to ESetting enum
- VRRREQUESTSTATE_ID added to ESetting enum
- VSYNCVRRCONTROL_ID added to ESetting enum
- WKS_FEATURE_SUPPORT_CONTROL_ID removed from ESetting enum
- OGL_THREAD_CONTROL_DUMP_STATS removed from EValues_OGL_THREAD_CONTROL enum
- OGL_THREAD_CONTROL_IGNORE_GET_ERROR removed from EValues_OGL_THREAD_CONTROL enum
- AA_MODE_REPLAY_MASK added to EValues_AA_MODE_REPLAY enum
- PREFERRED_PSTATE_PREFER_CONSISTENT_PERFORMANCE added to EValues_PREFERRED_PSTATE enum
- EValues_PREVENT_UI_AF_OVERRIDE
- PS_FRAMERATE_LIMITER_USE_CPU_WAIT added to EValues_PS_FRAMERATE_LIMITER enum
- SHIM_RENDERING_OPTIONS_INVERT_FOR_QUADRO added to EValues_SHIM_RENDERING_OPTIONS enum
- SHIM_RENDERING_OPTIONS_INVERT_FOR_MSHYBRID added to EValues_SHIM_RENDERING_OPTIONS enum
- SHIM_RENDERING_OPTIONS_REGISTER_PROCESS_ENABLE_GOLD added to EValues_SHIM_RENDERING_OPTIONS enum
- EValues_VRRFEATUREINDICATOR
- EValues_VRROVERLAYINDICATOR

- EValues_VRRREQUESTSTATE
- EValues_VSYNCVRRCONTROL
- EValues_WKS_FEATURE_SUPPORT_CONTROL removed
- EValues_OPTIMUS_DEBUG removed
- EValues_SHIM_IGPU_TRANSCODING removed

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