NVAPI SDK - PUBLIC FOR DRIVER RELEASE 304

RN-06118-304-v03 | October 2012

Release Notes

DOCUMENT CHANGE HISTORY

RN-06118-304-v03

Version	Date	Authors	Description of Change
01-03	10/02/2012	AP	Initial release for 306.90

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 304 driver.

CHANGES IN NVAPI FOR DRIVER RELEASE 304

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

New Functions

- NvAPI_GPU_GetPstatesInfoEx()
- NvAPI_GPU_GetPstates20()
- NvAPI_GPU_GetCurrentPstate()
- NvAPI_Stereo_GetStereoSupport()
- NvAPI_GPU_WorkstationFeatureQuery()
- NvAPI_GPU_WorkstationFeatureSetup()
- NvAPI_Stereo_InitActivation()
- NvAPI_Stereo_Trigger_Activation()

New Structures

- NV_GPU_PERF_PSTATES_INFO_V1
- NV_GPU_PERF_PSTATES_INFO_V2
- NV_GPU_PERF_PSTATES20_PARAM_DELTA
- NV_GPU_PSTATE20_CLOCK_ENTRY_V1
- NV_GPU_PSTATE20_BASE_VOLTAGE_ENTRY_V1
- NV_GPU_PERF_PSTATES20_INFO_V1
- NVAPI_STEREO_CAPS_V1

New Enums

- NV_GPU_PUBLIC_CLOCK_ID
- NV_GPU_PERF_VOLTAGE_INFO_DOMAIN_ID
- NV_GPU_PERF_PSTATE_ID
- NV_GPU_PERF_PSTATE20_CLOCK_TYPE_ID
- NVAPI_GPU_WORKSTATION_FEATURE_MASK
- NVAPI_STEREO_INIT_ACTIVATION_FLAGS

Deprecated NVAPI Functions

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

Deprecated	Replaced By
NvAPI_SetView()	NvAPI_DISP_SetDisplayConfig()
NvAPI_SetViewEx()	NvAPI_DISP_SetDisplayConfig()
NvAPI_GPU_GetPstatesInfoEx()	NvAPI_GPU_GetPstates20()

NVAPIDriverSettings Changes

- OGL_EXTENSION_STRING_VERSION_STRING *added*
- ICAFE_LOGO_CONFIG_STRING *added*
- OGL_EXTENSION_STRING_VERSION_ID *added to ESetting enum*
- ICAFE_LOGO_CONFIG_ID *added to ESetting enum*
- SHIM_RENDERING_OPTIONS_DISABLE_DURING_SECURE_BOOT *added to EValues_SHIM_RENDERING_OPTIONS enum*

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