NAME
>   nouveau – NVIDIA video driver

SYNOPSIS
>   **Section "Device"**
>   **Identifier "***devname***"**
>   **Driver "nouveau"**
>
>   ...
>   **EndSection**

DESCRIPTION
>   **nouveau** is an Xorg driver for NVIDIA video cards. The driver supports 2D acceleration and provides sup-
>   port for the following framebuffer depths: (15,) 16 and 24. TrueColor visuals are supported for these
>   depths.

SUPPORTED HARDWARE
>   The **nouveau** driver supports PCI, PCI-Express and AGP video cards based on the following NVIDIA
>   chips:

RIVA TNT	NV4
RIVA TNT2	NV5
GeForce 256, QUADRO	NV10
GeForce2, QUADRO2	NV11 & NV15
GeForce3, QUADRO DCC	
	NV20
nForce, nForce2	NV1A, NV1F
GeForce4, QUADRO4	NV17, NV18, NV25, NV28
GeForce FX, QUADRO FX	
	NV30, NV31, NV34, NV35, NV36, NV37, NV38
GeForce 6XXX	NV40, NV41, NV43, NV44, NV45, C51, MCP61
GeForce 7XXX	G70, G71, G72, G73, MCP67, MCP68, MCP73
GeForce 8XXX, 9XXX, 2XX, 3XX	
	G80, G84, G86, G92, G94, G96, G98, G200, GT215, GT216, GT218, MCP77, MCP79, MCP89
GeForce 4XX, 5XX	GF100, GF104, GF106, GF108, GF110, GF114, GF116, GF117, GF119
GeForce 6XX, 7XX	GK104, GK106, GK107, GK110, GK208
GeForce GTX 750	GM107, GM108
GeForce GTX 9XX	GM200, GM204, GM206
GeForce GTX 10XX	GP102, GP104, GP106, GP107, GP108

CONFIGURATION DETAILS
>   Please refer to xorg.conf(5) for general configuration details. This section only covers configuration details
>   specific to this driver.
>
>   The driver auto-detects the chipset type and the amount of video memory present for all chips.
>
>   The following driver **Options** are supported:
>
>   **Option "HWCursor" "***boolean***"**
>   Enable or disable the HW cursor. Default: on.

Option "AccelMethod" "*string***"**
> Specify the acceleration method. One of "none", or "exa". Default: exa.

Option "NoAccel" "*boolean***"**
> Disable or enable acceleration. Default: acceleration is enabled.

Option "ShadowFB" "*boolean***"**
> Enable or disable use of the shadow framebuffer layer. Default: off.

Option "WrappedFB" "*boolean***"**
> Enable or disable wfb, only affects nv50+. Useful for some legacy configurations where high rendering latency is perceived. Default: wfb is disabled.

Option "GLXVBlank" "*boolean***"**
> Synchronize GLX clients to VBlank. Useful where tearing is a problem, harmful if the GPU isn't fast enough to keep up with the monitor refresh rate. Default: on.

Option "ZaphodHeads" "*string***"**
> Specify the randr output(s) to use with zaphod mode for a particular driver instance. If you use this option you most use this option for all instances of the driver.
> For example: **Option "ZaphodHeads" "LVDS,VGA-0"** will assign xrandr outputs LVDS and VGA-0 to this instance of the driver.

Option "PageFlip" "*boolean***"**
> Enable DRI2 page flipping. Default: on.

Option "SwapLimit" "*integer***"**
> Set maximum allowed number of pending OpenGL double-buffer swaps for a drawable before a client is blocked.
> A value of 1 corresponds to double-buffering. A value of 2 corresponds to triple-buffering. Higher values may allow higher framerate, but also increase lag for interactive applications, e.g., games. Nouveau currently reliably supports a maximum value of 2 on XOrg 1.12+. A maximum setting of 2 on older x-servers is allowed, but it will break conformance with the OpenML OML_sync_control specification and will cause failure of software that relies on correct presentation timing behaviour as defined in that specification.
> Default: 1.

Option "DRI" "*integer***"**
> Define the maximum level of DRI to enable. Valid values are 2 or 3. exa acceleration will honor the maximum level if it is supported. Default: 2.

SEE ALSO
> Xorg(1), xorg.conf(5), Xserver(1), X(7)

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