Graphics Feature Status

- Canvas: Hardware accelerated
- Flash 3D: Hardware accelerated
- Flash Stage3D: Hardware accelerated
- Flash Stage3D Baseline profile: Hardware accelerated
- Compositing: Hardware accelerated and threaded.
- Rasterization: Software only, hardware acceleration unavailable
- Video Decode: Hardware accelerated
- Video Encode: Hardware accelerated
- WebGL: Hardware accelerated

Driver Bug Workarounds

- clear_uniforms_before_first_program_use
- exit_on_context_lost
- texsubimage2d_faster_than_teximage2d

Problems Detected

- GPU rasterization is whitelisted on N4, N5, N7 and Moto X: 362779
  Disabled Features: gpu_rasterization
- Some drivers are unable to reset the D3D device in the GPU process sandbox
  Applied Workarounds: exit_on_context_lost
- TexSubImage2D() is faster for full uploads on ANGLE
  Applied Workarounds: texsubimage2d_faster_than_teximage2d
- Clear uniforms before first program use on all platforms: 124764, 349137
  Applied Workarounds: clear_uniforms_before_first_program_use

Version Information

Data exported	8/13/2014 4:32:15 PM
Chrome version	Chrome/36.0.1985.143
Operating system	Windows NT 6.1 SP1
Software rendering list version	8.7
Driver bug list version	6.7
ANGLE commit id	b071b0f098e6
2D graphics backend	Skia
Command Line Args	Files (x86)\Google\Chrome\Application\chrome.exe" --flag-switches-begin --flag-switches-end

Performance Information

Graphics	7.2
Gaming	7.2
Overall	5.9

Driver Information

Initialization time	25
Sandboxed	false
GPU0	VENDOR = 0x1002, DEVICE= 0x68a0
Optimus	false
AMD switchable	false
Desktop compositing	Aero Glass
Driver vendor	ATI Technologies Inc.
Driver version	8.683.0.0
Driver date	12-17-2009
Pixel shader version	5.0
Vertex shader version	5.0
Machine model name	
Machine model version	
GL_VENDOR	Google Inc.
GL_RENDERER	ANGLE (ATI Mobility Radeon HD 5870 Direct3D11 vs_5_0 ps_5_0)
GL_VERSION	OpenGL ES 2.0 (ANGLE 1.3.b071b0f098e6)
GL_EXTENSIONS	GL_OES_element_index_uint GL_OES_packed_depth_stencil GL_OES_get_program_binary GL_OES_rgb8_rgba8 GL_OES_standard_derivatives GL_OES_texture_half_float GL_OES_texture_half_float_linear GL_OES_texture_float GL_OES_texture_float_linear GL_OES_texture_npot GL_EXT_occlusion_query_boolean GL_EXT_read_format_bgra GL_EXT_robustness GL_EXT_texture_compression_dxt1 GL_EXT_texture_filter_anisotropic GL_EXT_texture_format_BGRA8888 GL_EXT_draw_buffers GL_EXT_texture_storage GL_EXT_frag_depth

	GL_ANGLE_depth_texture GL_ANGLE_framebuffer_blit GL_ANGLE_framebuffer_multisample GL_ANGLE_instanced_arrays GL_ANGLE_pack_reverse_row_order GL_ANGLE_texture_compression_dxt3 GL_ANGLE_texture_compression_dxt5 GL_ANGLE_texture_usage GL_ANGLE_translated_shader_source GL_NV_fence
Window system binding vendor	Google Inc. (adapter LUID: 000000000002f038)
Window system binding version	1.4 (ANGLE 1.3.b071b0f098e6)
Window system binding extensions	EGL_EXT_create_context_robustness EGL_ANGLE_d3d_share_handle_client_buffer EGL_ANGLE_query_surface_pointer EGL_ANGLE_window_fixed_size EGL_ANGLE_surface_d3d_texture_2d_share_handle
Direct rendering	Yes
Reset notification strategy	0x8252

Diagnostics

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b3DAccelerationEnabled	true
b3DAccelerationExists	true
bAGPEnabled	true
bAGPExistenceValid	true
bAGPExists	true
bCanRenderWindow	true
bDDAccelerationEnabled	true
bDriverBeta	false
bDriverDebug	false
bDriverSigned	false
bDriverSignedValid	false
bNoHardware	false
dwBpp	32
dwDDIVersion	11
dwHeight	1680
dwRefreshRate	60
dwWHQLLevel	0
dwWidth	1050
iAdapter	1
lDriverSize	4684288
lMiniVddSize	0
szAGPStatusEnglish	Enabled
szAGPStatusLocalized	Enabled
szChipType	ATI display adapter (0x68A0)
szD3DStatusEnglish	Enabled
szD3DStatusLocalized	Enabled
szDACType	Internal DAC(400MHz)
szDDIVersionEnglish	11
szDDIVersionLocalized	11
szDDStatusEnglish	Enabled
szDDStatusLocalized	Enabled
szDXVAHDEnglish	Not Supported
szDXVAModes	ModeMPEG2_A ModeMPEG2_C
szDescription	ATI Mobility Radeon HD 5870
szDeviceId	0x68A0
szDeviceIdentifier	{D7B71EE2-2BE0-11CF-3F71-083CA1C2C535}
szDeviceName	\\.\DISPLAY1
szDisplayMemoryEnglish	4079 MB
szDisplayMemoryLocalized	4079 MB
szDisplayModeEnglish	1050 x 1680 (32 bit) (60Hz)
szDisplayModeLocalized	1050 x 1680 (32 bit) (60Hz)
szDriverAssemblyVersion	8.683.0.0
szDriverAttributes	Final Retail
szDriverDateEnglish	12/17/2009 18:20:55
szDriverDateLocalized	17/12/2009 6:20:55 PM
szDriverLanguageEnglish	English
szDriverLanguageLocalized	English

szDriverModelEnglish	WDDM 1.1
szDriverModelLocalized	WDDM 1.1
szDriverName	atiumd64.dll,atidxx64.dll,atidxx64.dll,atiumdag,atidxx32,atidxx32,atiumdva,atiumd6a.cap,atitmm64.dll
szDriverNodeStrongName	oem6.inf:ATI.Mfg.NTamd64.6.1:ati2mtag_Manhattan:8.683.0.0:pci\ven_1002&dev_68a0&subsys_1c021043
szDriverSignDate	
szDriverVersion	8.14.0010.0716
szKeyDeviceID	Enum\PCI\VEN_1002&DEV_68A0&SUBSYS_1C021043&REV_00
szKeyDeviceKey	\Registry\Machine\System\CurrentControlSet\Control\Video\{3A8ED703-5888-4E29-BD75-C11D2BB965BE}\0000
szManufacturer	ATI Technologies Inc.
szMiniVdd	n/a
szMiniVddDateEnglish	n/a
szMiniVddDateLocalized	n/a
szMonitorMaxRes	
szMonitorName	SyncMaster 2243BW/2243BWX,SyncMaster Magic CX2243BW/CX2243BWX(Analog)
szNotesEnglish	No problems found.
szNotesLocalized	No problems found.
szOverlayEnglish	Not Supported
szRankOfInstalledDriver	00E60001
szRegHelpText	
szRevision	
szRevisionId	0x0000
szSubSysId	0x1C021043
szTestResultD3D7English	Not run
szTestResultD3D7Localized	Not run
szTestResultD3D8English	Not run
szTestResultD3D8Localized	Not run
szTestResultD3D9English	Not run
szTestResultD3D9Localized	Not run
szTestResultDDEnglish	Not run
szTestResultDDLocalized	Not run
szVdd	n/a
szVendorId	0x1002

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b3DAccelerationEnabled	true
b3DAccelerationExists	true
bAGPEnabled	true
bAGPExistenceValid	true
bAGPExists	true
bCanRenderWindow	true
bDDAccelerationEnabled	true
bDriverBeta	false
bDriverDebug	false
bDriverSigned	false
bDriverSignedValid	false
bNoHardware	false
dwBpp	32
dwDDIVersion	11
dwHeight	1200
dwRefreshRate	60
dwWHQLLevel	0
dwWidth	1920
iAdapter	0
lDriverSize	4684288
lMiniVddSize	0
szAGPStatusEnglish	Enabled
szAGPStatusLocalized	Enabled
szChipType	ATI display adapter (0x68A0)
szD3DStatusEnglish	Enabled
szD3DStatusLocalized	Enabled
szDACType	Internal DAC(400MHz)
szDDIVersionEnglish	11

szDDIVersionLocalized	11
szDDStatusEnglish	Enabled
szDDStatusLocalized	Enabled
szDXVAHDEnglish	Not Supported
szDXVAModes	ModeMPEG2_A ModeMPEG2_C
szDescription	ATI Mobility Radeon HD 5870
szDeviceId	0x68A0
szDeviceIdentifier	{D7B71EE2-2BE0-11CF-3F71-083CA1C2C535}
szDeviceName	\\.\DISPLAY2
szDisplayMemoryEnglish	4079 MB
szDisplayMemoryLocalized	4079 MB
szDisplayModeEnglish	1920 x 1200 (32 bit) (60Hz)
szDisplayModeLocalized	1920 x 1200 (32 bit) (60Hz)
szDriverAssemblyVersion	8.683.0.0
szDriverAttributes	Final Retail
szDriverDateEnglish	12/17/2009 18:20:55
szDriverDateLocalized	17/12/2009 6:20:55 PM
szDriverLanguageEnglish	English
szDriverLanguageLocalized	English
szDriverModelEnglish	WDDM 1.1
szDriverModelLocalized	WDDM 1.1
szDriverName	atiumd64.dll,atidxx64.dll,atidxx64.dll,atiumdag,atidxx32,atidxx32,atiumdva,atiumd6a.cap,atitmm64.dll
szDriverNodeStrongName	oem6.inf:ATI.Mfg.NTamd64.6.1:ati2mtag_Manhattan:8.683.0.0:pci\ven_1002&dev_68a0&subsys_1c021043
szDriverSignDate	
szDriverVersion	8.14.0010.0716
szKeyDeviceID	Enum\PCI\VEN_1002&DEV_68A0&SUBSYS_1C021043&REV_00
szKeyDeviceKey	\Registry\Machine\System\CurrentControlSet\Control\Video\{3A8ED703-5888-4E29-BD75-C11D2BB965BE}\0001
szManufacturer	ATI Technologies Inc.
szMiniVdd	n/a
szMiniVddDateEnglish	n/a
szMiniVddDateLocalized	n/a
szMonitorMaxRes	
szMonitorName	BenQ G2400W (Digital)
szNotesEnglish	No problems found.
szNotesLocalized	No problems found.
szOverlayEnglish	Not Supported
szRankOfInstalledDriver	00E60001
szRegHelpText	
szRevision	
szRevisionId	0x0000
szSubSysId	0x1C021043
szTestResultD3D7English	Not run
szTestResultD3D7Localized	Not run
szTestResultD3D8English	Not run
szTestResultD3D8Localized	Not run
szTestResultD3D9English	Not run
szTestResultD3D9Localized	Not run
szTestResultDDEnglish	Not run
szTestResultDDLocalized	Not run
szVdd	n/a
szVendorId	0x1002

Log Messages

- GpuProcessHostUIShim: The GPU process exited normally. Everything is okay.