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sdl2_quickr

The Programming Junkie

SDL 2.0 API Quick Reference

by Dan Bechard | March 22, 2023

Overview

Below is a cheatsheet / quick reference for the SDL 2 API. I made this cheatsheet to fill a void that I felt existed in SDL's documentation compared to Raylib.

Please refer to the official SDL documentation for the most up-to-date API information:

sdl2_quickref.c

```
Title : SDL 2.0 API Quick Reference
Author : https://github.com/dbechrd/
Last updated : Jan 8, 2023
                                                                      SDL_SetHintWithPriority (const char *name, const char *value, SDL_HintPriority priority); // Set a hint with a specific priority SDL_SetHint (const char *name, const char *value); // Set a hint with normal priority.

SDL_ResetHint (const char *name); // Reset a hint to the default value of solution of the value of a hint.

SDL_GetHint (const char *name); // Get the value of a hint.

SDL_GetHintBoolean (const char *name, SDL_bool default_value); // Get the boolean value of a hint.

SDL_AddHintCallback (const char *name, SDL_HintCallback callback, void *userdata); // Add a function to watch a particut of the value of solution of the value of solution to watch a particut of the value of solution of solution of the value of solution of the value of solution of solution of the value of solu
                                                                      SDL_SetError (const char *fmt, ...); // Set the SDL error message for the current thread.

SDL_GetError (void); // Retrieve a message about the last error that occurred on the current thread.

SDL_GlearError (void); // Get the last error message that was set for the current thread.

SDL_ClearError (void); // Clear any previous error message for this thread.
/|
oid SDL_GetVersion (SDL_version *ver); // Get the version of SDL that is linked against your program.
onst char * SDL_GetRevision (void); // Get the code revision of SDL that is linked against your program
```

```
(void);
(int displayIndex, SDL_Rect *rect);
(int displayIndex, SDL_Rect *rect);
(int displayIndex, SDL_Rect *rect);
(int displayIndex, Float *ddpi, float *hdpi, float *vdpi);
(int displayIndex);
(int displayIndex, int modeIndex, SDL_DisplayMode *mode);
(int displayIndex, SDL_DisplayMode *mode);
(const SDL_Point *point);
(const SDL_Point *point);
(const SDL_Weit *point);
(sDL_Window *window);
(SDL_Window *window, SDL_DisplayMode *mode);
(SDL_Window *window, SDL_DisplayMode *mode);
(SDL_Window *window, SDL_DisplayMode *mode);
(SDL_Window *window, const SDL_DisplayMode *mode);
(SDL_Window *window, const sold *mode);
(SDL_Window *window, const sold *mode);
(SDL_Window *window, const sold *mode);
(SDL_Window *window);
(SDL_Window *window, const char *ritle);
(SDL_Window *window, const char *name, void *userdata);
(SDL_Window *window, const char *name, vo
                                                                                                                                                                                                                                                                                                                                                                                                           SDL_GetNumVideoDisplays
SDL_GetDisplayName
SDL_GetDisplayBounds
SDL_GetDisplayBounds
SDL_GetDisplayDriands
SDL_GetDisplayDriands
SDL_GetDisplayDriands
SDL_GetNumDisplayMode
SDL_GetDisplayMode
SDL_GetDisplayMode
SDL_GetDisplayMode
SDL_GetDisplayMode
SDL_GetDisplayMode
SDL_GetDisplayMode
                               SDL DisplayOrientation
                                                                                                                                                                                                                                                                                                                                                                                            SDL_GetCurrentDisplayMode
SDL_GetClosestDisplayMode
SDL_GetClosestDisplayMode
SDL_GetContOtisplayIndex
SDL_GetWindowDisplayIndex
SDL_GetWindowDisplayIndex
SDL_GetWindowDisplayIndex
SDL_GetWindowDisplayMode
SDL_GetWindowDisplayMode
SDL_GetWindowDisplayMode
SDL_GetWindowDisplayMode
SDL_GetWindowDisplayMode
SDL_GetWindowDisplayMode
SDL_GetWindowTisplayMode
SDL_GetWindowTrom
SDL_GetWindowFrom
SDL_GetWindowFrom
SDL_GetWindowFrom
SDL_GetWindowFrom
SDL_GetWindowFrom
SDL_GetWindowTitle
SDL_SetWindowTitle
SDL_SetWindowTitle
SDL_SetWindowData
SDL_GetWindowData
SDL_SetWindowData
SDL_SetWindowBosition
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSize
SDL_GetWindowSizeSDL_SED_GetWindowMininumSize
SDL_GetWindowMininumSize
SDL_GetWindowMaximumSize
SDL_SetWindowMaximumSize
SDL_SetWindowMaximumSize
SDL_SetWindowMaximumSize
SDL_SetWindowMoximaps
SDL_SetWindowMox
                               SDL DisplayMode *
                       void*
Uint32
                       SDL_Window *
SDL_Window *
Uint32
SDL_Window *
Uint32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SDL_Window *window);
(void);
(SDL_Window *window, const SDL_Rect *rect);
(SDL_Window *window);
(SDL_Window *window), float brightness);
(SDL_Window *window, float opacity);
(SDL_Window *window, float opacity);
(SDL_Window *window, float opacity);
(SDL_Window *window, float *out opacity);
(SDL_Window *window, SDL_Window *parent_window);
(SDL_Window *window, const Uintl6 *red, const Uintl6 *green, const Uintl6 *blue);
(SDL_Window *window, Uintl6 *red, Uintl6 *green, Uintl6 *blue);
(SDL_Window *window, SDL_HitTest callback, void *callback_data);
(SDL_Window *window, SDL_FlashOperation operation);
(SDL_Window *window);
(void);
                   SDL_Window_*
72 void
73 SDL_bool
74 void
75 void
               int SDL_GL_coadLibrary
void * SDL_GL_cetProcAddress
void SDL_GL_GetProcAddress
sol_GL_GetProcAddress
sol_GL_GetCetProcAddress
sol_GL_GetCetProcAddress
sol_GL_GetCetProcAddress
sol_GL_GetCetProcAddress
sol_GL_GetCetProcAddress
sol_GL_GetCetTribute
sol_GL_GetCetT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (void);
(int index, SDL_RendererInfo *info);
(int vidth, int height, Uint32 window_flags, SDL_Window **window,
SDL_Renderer *renderer);
(SDL_Window *window, int index, Uint32 flags);
(SDL_Window *window);
(SDL_Renderer *renderer, SDL_RendererInfo *info);
(SDL_Renderer *renderer, SDL_RendererInfo *info);
(SDL_Renderer *renderer, Uint32 format, int access, int w, int h);
(SDL_Renderer *renderer, SDL_Surface *surface);
(SDL_Renderer *renderer, SDL_Surface *surface);
(SDL_Texture *texture, Uint32 format, int *access, int *w, int *h);
(SDL_Texture *texture, Uint32 format, int *access, int *w, int *h);
(SDL_Texture *texture, Uint8 *r, Uint8 g, Uint8 b);
(SDL_Texture *texture, Uint8 *r, Uint8 *g, Uint8 *b);
(SDL_Texture *texture, Uint8 *alpha);
(SDL_Texture *texture, SDL_BlendMode blendMode);
(SDL_Texture *texture, SDL_BlendMode blendMode);
(SDL_Texture *texture, SDL_ScaleMode *scaleMode);
(SDL_Texture *texture, SDL_ScaleMode *scaleMode);
(SDL_Texture *texture, void *userdata);
(SDL_Texture *texture, void *userdata);
(SDL_Texture *texture, const SDL_Rect *rect, const Void *pixels, int pitch);
(SDL_Texture *texture, const SDL_Rect *rect, const Uint8 *Yplane, int Ypitch, const Uint8 *Uyplane, int Upitch, const Uint8 *Vplane, int Ypitch, const Uint8 *Uyplane, int Upitch);
(SDL_Texture *texture, const SDL_Rect *rect, const Uint8 *Plane, int Ypitch, const Uint8 *Uyplane, int Uypitch);
(SDL_Texture *texture, const SDL_Rect *rect, void **pixels, int *pitch);
                                                                                                                                                                                                                                                                                 SDL_GetNumRenderDrivers
SDL_GetRenderDriverInfo
SDL_CreateWindowAndRenderer
       2 int SDL_CreateWindowAndRenderer
3
4 SDL_Renderer * SDL_CreateRenderer
5 SDL_Renderer * SDL_CreateSoftwareRenderer
6 SDL_Renderer * SDL_GetRenderer
7 SDL_Window * SDL_GetRenderer
9 int SDL_GetRendererInfo
1 SDL_GetRendererInfo
1 SDL_GetRextureFromSurface
2 int SDL_GetTextureColorMod
4 int SDL_GetTextureColorMod
5 int SDL_GetTextureAlphaMod
6 int SDL_GetTextureAlphaMod
7 int SDL_SetTextureAlphaMod
8 int SDL_SetTextureBlendMode
9 int SDL_SetTextureScaleMode
9 int SDL_GetTextureScaleMode
1 int SDL_GetTextureUserData
2 void * SDL_GetTextureUserData
3 int SDL_UpdateTexture
4 int SDL_UpdateTexture
5 SDL_UpdateNVITexture
                                                                                                                                                                                                                                                                         SDL UpdateNVTexture
```

```
(SDL Texture *texture, const SDL_Rect *rect, SDL_Surface **surface);
(SDL Texture *texture);
(SDL Renderer *renderer, SDL_Texture *texture);
(SDL Renderer *renderer, SDL_Texture *texture);
(SDL Renderer *renderer, SDL_Texture *texture);
(SDL Renderer *renderer, SDL_Dool enable);
(SDL Renderer *renderer, Usitat *r. Usitat *p. Usitat *b. Usitat *a.);
(SDL Renderer *renderer, Usitat *r. Usitat *p. Usitat *b. Usitat *b. Usitat *a.);
(SDL Renderer *renderer, SDL_Dool enabled);
(SDL Renderer *renderer, const SDL_Point *points, int count);
(SDL 
                                                                                                                                                                                                                                                                     SDL_LockTextureToSurface
SDL_UnlockTexture
SDL_RenderTargetSupported
SDL_SetRenderTarget
SDL_GetRenderTarget
SDL_GetRenderTarget
SDL_RenderSetLogicalSize
SDL_RenderSetLogicalSize
SDL_RenderSetIntegerScale
SDL_RenderGetViewport
SDL_RenderGetViewport
SDL_RenderGetViewport
SDL_RenderGetViewport
SDL_RenderGetViewport
SDL_RenderGetClipRect
SDL_RenderGetScale
SDL_RenderGetScale
SDL_RenderGetScale
SDL_RenderFotScale
SDL_RenderFillRect
SDL_RenderFillRect
SDL_RenderCopy
SDL_RenderCopyEx
                                                                                                         void
SDL_bool
38 v. 40 int 41 void 242 SDL_bool 243 int 244 void 246 void 247 int 248 int 250 int 251 int 252 int 253 int 254 int 255 int 256 int 257 int 258 int 258 int 259 int 259 int 259 int 259 int 250 int 251 int 252 int 253 int 254 int 255 int 256 int 257 int 258 int 259 int 259 int 260 int 261
                                                                                                                                                                                                                                                                                                  SDL_RenderDrawPointF
SDL_RenderDrawLineF
SDL_RenderDrawLineF
SDL_RenderDrawRectF
SDL_RenderDrawRectF
SDL_RenderDrawRectF
SDL_RenderFillRectF
SDL_RenderFillRectF
                                                                                                                                                                                                                                                                               SDL_RenderFillRectsF
SDL_RenderCopyF
                                                                                                                                                                                                                                                                               SDL_RenderCopyExF
                                                                                                                                                                                                                                                                                                  SDL_RenderGeometry
                                                                                                                                                                                                                                                                                                  SDL_RenderGeometryRaw
                                                                                                                                                                                                                                                                                                  SDL_RenderReadPixels
SDL_RenderPresent
SDL_DestroyTexture
SDL_DestroyRenderer
SDL_RenderFlush
SDL_GL_BindTexture
SDL_GL_UnbindTexture
SDL_RenderGetMetalLayer
SDL_RenderGetMetalCommandEncoder
SDL_RenderSetVSync
                                                                                         | Const Char* | SDL GetPixelFormatName | (Uint32 format); | (Uint32 fo
                                                                                               | SDL_bool | SDL_PointInRect | (const SDL_Point *p, const SDL_Rect *r) | // Returns true if point rectified | SDL_bool | SDL_RectEmpty | (const SDL_Rect *r) | // Returns true if the rect | SDL_bool | SDL_RectEmpty | (const SDL_Rect *a, const SDL_Rect *b) | // Returns true if the rect | SDL_bool | SDL_RectEquals | (const SDL_Rect *a, const SDL_Rect *B) | // Returns true if the two | SDL_bool | SDL_Intersection | (const SDL_Rect *A, const SDL_Rect *B); | // Letrniae whether two results | // SDL_bool | SDL_IntersectRect | (const SDL_Rect *A, const SDL_Rect *B, SDL_Rect *result); | // Calculate the intersect | SDL_bool | SDL_IntersectRectAndLine | (const SDL_Point *points, int count, const SDL_Rect *const SDL_Rect *result); | // Calculate the iniminal rectified | SDL_IntersectRectAndLine | (const SDL_Rect *rect, int *X1, int *X2, int *X2, int *Y2); | // Calculate the intersectSDL_Rect *result); | // Calculate | SDL_Rect *rect, int *X1, int *X1, int *X2, in
                                                                                                  | SDL_bool | SDL_FRectEmpty | Const SDL_FRect *r) | // Returns true if poi | SDL_bool | SDL_FRectEmpty | Const SDL_FRect *r) | // Returns true if the | SDL_bool | SDL_FRectEmpty | Const SDL_FRect *r) | // Returns true if the | SDL_bool | SDL_FRectEquals | SDL_FRect *a, const SDL_FRect *b) | // Returns true if the | SDL_bool | SDL_FRectEquals | Const SDL_FRect *a, const SDL_FRect *b) | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | SDL_FRectEquals | // Returns true if the | SDL_bool | // Returns true if the | SDL_FRectEquals | // Returns true if the | SDL_bool | // Returns true if the | SDL_FRectEquals | // Returns true if the | SDL_bool | // Returns true if the | // Returns true if the | SDL_bool | // Returns true if the | // Returns true if the | // Returns true if the | SDL_bool | // Returns true if the | // Returns tru
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Uint32 flags, int width, int height, int depth, Uint32 Rmask, Uint32 Gmask, Uint32 Rmask, Uint32 Amask);
(Uint32 flags, int width, int height, int depth, Uint32 format);
(void *pixels, int width, int height, int depth, int pitch, Uint32 Rmask, Uint32 Uint32 Bmask, Uint32 Amask);
(void *pixels, int width, int height, int depth, int pitch, Uint32 format);
(SDL_Surface *surface);
(SDL_Surface *surface);
(SDL_Surface *surface);
(SDL_Surface *surface);
(SDL_Surface *surface);
(SDL_Surface *surface, SDL_RWops *dst, int freedst);
(SDL_Surface *surface, int flag);
(SDL_Surface *surface, int flag);
(SDL_Surface *surface, int flag, Uint32 key);
                                                                                                      SDL Surface *
                                                                                                                                                                                                                                                                                                                                                                                              SDL CreateRGBSurface
                                                                                                                                                                                                                                                                                                                                                                                                     SUL_reateMosurfaceWI
SDL_FreeSurface
SDL_SetSurfacePalette
SDL_LockSurface
SDL_UnlockSurface
SDL_LoadBMP_RW
SDL_SaveBMP_RW
SDL_SaveBMP_RW
SDL_SetSurfaceRLE
SDL_MassurfaceRLE
                                                                                                      SDL bool
                                                                                                                                                                                                                                                                                                                                                                                                           SDL_HasSurfaceRLE
SDL_SetColorKev
```

```
SDL_bool

SDL_HasColorKey

(SDL_Surface *surface);
int

SDL_GetSurfaceColorMod

(SDL_Surface *surface, Uint8 r, Uint8 g, Uint8 b);
int

SDL_GetSurfaceColorMod

(SDL_Surface *surface, Uint8 r, Uint8 g, Uint8 b);
int

SDL_GetSurfaceAlphaMod

(SDL_Surface *surface, Uint8 *r, Uint8 *g, Uint8 b);
int

SDL_GetSurfaceAlphaMod

(SDL_Surface *surface, Uint8 *r, Uint8 *g, Uint8 b);
int

SDL_GetSurfaceAlphaMod

(SDL_Surface *surface, Uint8 *r, Uint8 *g, Uint8 b);
int

SDL_GetSurfaceAlphaMod

(SDL_Surface *surface, Uint8 *alpha);
int

SDL_GetSurfaceBlendMode

(SDL_Surface *surface, Uint8 *alpha);
int

SDL_GetSurfaceBlendMode

(SDL_Surface *surface, DIL_BendMode blendMode);
SDL_Surface

SDL_Surface *SDL_DuplicateSurface

(SDL_Surface *surface, SDL_BendMode blendMode);
SDL_Surface *SDL_DuplicateSurface

(SDL_Surface *surface, SDL_Rect *rect);
SDL_Surface *SDL_OuntFurface

(SDL_Surface *surface, SDL_Rect *rect);
SDL_Surface *SDL_OuntFurface

(SDL_Surface *surface, SDL_Rect *rect);
SDL_Surface *SDL_OuntFurface

(SDL_Surface *surface, SDL_Rect *rect);
SDL_Surface *SDL_OuntFurface, const SDL_Rect *rect);
int

SDL_ConvertSurface

(SDL_Surface *surface, Uint32 pixel_format *fmt, Uint32 flags);
SDL_Surface *SDL_ConvertSurface

(SDL_Surface *src, Uint32 pixel_format, Uint32 flags);
SDL_Surface *SDL_ConvertSurface

(SDL_Surface *src, Uint32 pixel_format, Uint32 flags);
int

SDL_FillRect

(SDL_Surface *src, Uint32 pixel_format, Uint32 flags);
int 
SDL_Surface *src, Uint32 pixel_format, Uint32 flags);
int 
SDL_Surface *src, SDL_Surface *src, Const SDL_Rect *rect, SDL_Surface *src, int src_pitch, Uint32 dst format, void *dst, int dst pitch);
int 
SDL_Surface *src, SDL_Surface *dst, SDL_Rect *srcret, SDL_Surface *dst, SDL_Rect *dstrect);
int 
SDL_SupperBlit

(SDL_Surface *src, SDL_Rect *rects, SDL_Surface *dst, SDL_Rect *dstrect);
int

SDL_Surface *src, SDL_Rect *srcrect, SDL_Surface *dst, SDL_Rect *dstrect);
int

SDL_Surface *src, SDL_Rect *srcrect, SDL_Surface *dst, SDL_Rect *dstrect);
SDL_Surface *src, SDL_Rect *srcrect, SDL_Surface *
   SDL_bool SDL_GetWindowWMInfo (SDL_Window *window, SDL_SysWMinfo *info); // Get driver-specific information about a window.
  int SDL_SetClipboardText (const char *text); // Put UTF-8 text into the clipboard.

char * SDL_GetClipboardText (void); // Get UTF-8 text from the clipboard, which must be freed with SDL_free().

SDL_bool SDL_HasClipboardText (void); // Query whether the clipboard exists and contains a non-empty text string.

int SDL_SetPrimarySelectionText (const char *text); // Put UTF-8 text into the primary selection.

SDL_GetPrimarySelectionText (void); // Get UTF-8 text from the primary selection, which must be freed with SDL_free()

SDL_bool SDL_HasPrimarySelectionText (void); // Query whether the primary selection exists and contains a non-empty text string.
                                                                                                                                                                                                                                 (const char *path);
(void);
(void);
(SDL_Window *window, unsigned int *pCount, const char **pNames);
(SDL_Window *window, VkInstance instance, VkSurfaceKHR* surface);
(SDL_Window *window, int *w, int *h);
 int SDL_Vulkan_LoadLibrary
void * SDL_Vulkan_GetVkGetInstanceProcAddr
void SDL_Vulkan_UnloadLibrary
SDL_bool SDL_Vulkan_GetInstanceExtensions
SDL_bool SDL_Vulkan_CreateSurface
                                                    SDI Vulkan GetDrawableSize
                                                                                                                                                        SDL PeepEvents
                                                 SDL_HasEvent
SDL_HasEvents
SDL_FlushEvent
SDL_FlushEvents
                                                SDL_FlushEvents
SDL_WaitEvent
SDL_WaitEvent
SDL_WaitEventTimeout
SDL_SetEventFilter
SDL_SetEventFilter
SDL_AddEventWatch
SDL_DelEventWatch
SDL_FilterEvents
SDL_EventState
SDL_RegisterEvents
 void
SDL_bool
// | Keyboard Support (SDL_keyboard.h)
//--
const Uint8 * SDL_GetKeyboardState
SDL_Window * SDL_GetKeyboardFocus
void SDL_ResetKeyboard
SDL_Reymod SDL_GetModState
SDL_Scancode SDL_GetModState
SDL_Scancode SDL_GetScancodeFromKey
const char * SDL_GetScancodeFromName
SDL_Scancode SDL_GetKeyName
SDL_Scancode SDL_GetKeyName
SDL_Scancode SDL_GetKeyName
SDL_Scancode SDL_GetKeyName
SDL_StartTextInput
SDL_bool SDL_IsTextInputActive
void SDL_StartTextInput
SDL_bool SDL_IsTextInputShown
SDL_Dool SDL_IsTextInputRect
SDL_bool SDL_HasScreenKeyboardShown
                                                                                                                                                                                                                     (void);
(void);
(void);
(SDL Keymod modstate);
(SDL_Scancode scancode);
(SDL_Scancode scancode);
(SDL_Scancode scancode);
(const char *name);
(SDL_Keycode key);
(const char *name);
                                                                                                                                                                                                                          (void);
(SDL Window *window);
 //|-----SDL_Window *
Uint32
Uint32
Uint32
void
int
int
                                                                                                                                                                                                     (void);
(int *x, int *y);
(int *x, int *y);
(int *x, int *y);
(SDL Window *window, int x, int y);
(SDL bool enabled);
(SDL bool enabled);
(void);
                                                                     SDL GetMouseFocus
                                                                  SDL_GetMouseFocus
SDL_GetMouseState
SDL_GetGlobalMouseState
SDL_MarpMouseInwindow
SDL_WarpMouseInwindow
SDL_WarpMouseGlobal
SDL_SetRelativeMouseMode
SDL_CaptureMouse
SDL_GetRelativeMouseMode
SDL_CeateCursor
                                                                                                                                                                                                                                                                                                                                                                                                                                          // Capture the mouse and to track input outside an SD
// Query whether relative mouse mode is enabled.
                                                                                                                                                                                                      (void);
(const Uint8 *data, const Uint8 *mask, int w,
```

```
int h, int hot_x, int hot_y);
(SDL_Surface *surface, int hot_x, int hot_y); //
(SDL_SystemCursor id);
(SDL_Cursor *cursor);
(yoid).
  SDL_Cursor * SDL_CreateColorCursor SDL_Cursor * SDL_CreateSystemCursor void SDL_Cursor * SDL_GetCursor * SDL_GetCursor void SDL_FreeCursor SDL_StDL_ShowCursor SDL_ShowCursor SDL_ShowCursor SDL_ShowCursor
                                                                                                                                                                                                                                                                                                                                                                                                (void);
(void);
(SDL_Cursor *cursor);
(int toggle);
                                                                                                                                                                                                                   SDL_joystick.h)

SDL_LockJoysticks
SDL_UnlockJoysticks
SDL_UnlockJoysticks
SDL_JoystickNameForIndex
SDL_JoystickNameForIndex
SDL_JoystickGetDevicePlayerIndex
SDL_JoystickGetDevicePlayerIndex
SDL_JoystickGetDeviceProductVersion
SDL_JoystickGetDeviceProductVersion
SDL_JoystickGetDeviceType
SDL_JoystickGetDeviceType
SDL_JoystickGetDeviceType
SDL_JoystickGetDeviceInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickFromInstanceID
SDL_JoystickSetVirtual
SDL_JoystickSetVirtual
SDL_JoystickSetVirtualAxis
SDL_JoystickSetVirtualAxis
SDL_JoystickSetVirtualHat
SDL_JoystickSetVirtualHat
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetPlayerIndex
SDL_JoystickGetForductVersion
SDL_JoystickGetFirmwareVersion
SDL_JoystickGetFirmwareVersion
SDL_JoystickGetFirmwareVersion
SDL_JoystickGetGUIDFromString
SDL_JoystickGetGUIDFromString
SDL_JoystickGetGUIDFromString
SDL_JoystickGetHarceID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (void);
(void);
(void);
(void);
(int device_index);
(int player_index);
(int player_index);
(int player_index);
(int device_index);
SDL_JoystickGUID
Uint16
  Uint16
SDL_JoystickType
SDL_JoystickID
SDL_Joystick *
SDL_Joystick *
SDL_Joystick *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SDL_joystickType type, int naxes, int nbuttons, int nhats);
(const SDL_virtual_loystickDesc *desc);
(int device_index);
(int device_index);
(SDL_joystick *joystick, int axis, Sint16 value);
(SDL_joystick *joystick, int button, Uint8 value);
(SDL_joystick *joystick, int button, Uint8 value);
(SDL_joystick *joystick);
(SDL_joystick *joystick, int axis);
(SDL_joystick *joystick, int axis);
(SDL_joystick *joystick, int axis);
(SDL_joystick *joystick, int batl, int *dx, int *dy);
(SDL_joystick *joystick, int batlon, int *dx,
  SDL bool
  void
SDL_Jo
    const char *
SDL_JoystickType
void
    SDL_JoystickGUID
void
                                                                                                                                                                                                                             SDL_JoystickGetAttached

SDL_JoystickInstanceID

SDL_JoystickNumMakes

SDL_JoystickNumBalls

SDL_JoystickNumBatts

SDL_JoystickNumHats

SDL_JoystickUpdate

SDL_JoystickUpdate

SDL_JoystickDetAxis

SDL_JoystickGetAxis

SDL_JoystickGetAxis

SDL_JoystickGetAxis
    SDL JoystickID
                                                                                                                                                                                                                               SDL_JoystickGetAxis
SDL_JoystickGetAxisInitialState
SDL_JoystickGetHat
SDL_JoystickGetBall
SDL_JoystickGetButton
SDL_JoystickGetButton
  SDL_bool
Uint8
                                                                                                                                                                                                                          SDL JovstickRumbleTriagers
  SDL_bool SDL_JoystickHasEUD
SDL_bool SDL_JoystickHasRumble
SDL_bool SDL_JoystickHasRumbleTriggers
int SDL_JoystickSendEffect
void SDL_JoystickCsendEffect
SDL_JoystickCbes
SDL_JoystickCvrrentPowerLevel
SDL_bool
SDL_bool
SDL_bool
                                                                                                                                                                                                                                                                               SDL_GameControllerAddMappingsFromRW
SDL_GameControllerAddMapping
SDL_GameControllerMamPappings
SDL_GameControllerMamPappings
SDL_GameControllerMappingForGUID
SDL_GameControllerMappingForGUID
SDL_GameControllerMappingForGUID
SDL_GameControllerPathForIndex
SDL_GameControllerPathForIndex
SDL_GameControllerPathForIndex
SDL_GameControllerPathForIndex
SDL_GameControllerPathForIndex
SDL_GameControllerFormInstanceID
SDL_GameControllerFormInstanceID
SDL_GameControllerFormInstanceID
SDL_GameControllerFormInstanceID
SDL_GameControllerFormInstanceID
SDL_GameControllerFath
SDL_GameControllerFath
SDL_GameControllerFath
SDL_GameControllerGetType
SDL_GameControllerGetType
SDL_GameControllerGetTpductVersion
SDL_GameControllerGetProductVersion
SDL_GameControllerGetProductVersion
SDL_GameControllerGetForMactic
SDL_GameControllerGetForMactic
SDL_GameControllerGetForMactic
SDL_GameControllerGetForMactic
SDL_GameControllerGetForMactic
SDL_GameControllerGetForMactic
SDL_GameControllerGetSerial
SDL_GameControllerGetSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SDL_RWops *rw, int freerw);
(const char* mappingstring);
(void);
(int mapping_index);
(SDL_JoystickGUID guid);
(SDL_GameController *gamecontroller);
(int joystick_index);
                                                                                                                                                                                                                                                                                         SDL GameControllerAddMappingsFromRW
    SDL GameControllerType
    char *
SDL_GameController *
SDL_GameController *
SDL_GameController *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SDL_joystickID joyid);
(int player_index);
(SDL_GameController *gamecontroller);
(int state);
(void);
         SDL_GameControllerType
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           int player index);
    const char *
SDL_bool
SDL_Joystick *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SDL_GameController *gamecontroller);
(int state);
(void);
(const char *str);
(SDL_GameControllerAxis axis);
(SDL_GameController *gamecontroller, SDL_GameControllerAxis axi
(SDL_GameController *gamecontroller, SDL_GameControllerAxis axi
(SDL_GameController *gamecontroller, SDL_GameControllerAxis axi
(SDL_GameController *gamecontroller, SDL_GameControllerButton button);
(SDL_GameController *gamecontroller, SDL_GameControllerButton button);
(SDL_GameController *gamecontroller, SDL_GameControllerButton button);
(SDL_GameController *gamecontroller, SDL_GameControllerButton button);
(SDL_GameController *gamecontroller, int touchpad);
(SDL_GameController *gamecontroller, int touchpad, int finger, float *y, float *ynessure);
(SDL_GameController *gamecontroller, SDL_SensorType type);
(SDL_GameController);

       SDL_GameControllerAxis
    CONST CHAR*
SDL_GameControllerButtonBind
SDL_bool
Sint16
    SDL_GameControllerButton
       const char*
SDL GameControllerButtonBind
                                                                                                                                                                                                                                                                                      SDL_dameLontrollerGetBindForButton
SDL_GameControllerHasButton
SDL_GameControllerGetButton
SDL_GameControllerGetNumTouchpads
SDL_GameControllerGetNumTouchpadFingers
SDL_GameControllerGetNumTouchpadFinger
                                                                                                                                                                                                                                                                                      SDL_GameControllerHasSensor
SDL_GameControllerSetSensorEnabled
SDL_GameControllerIsSensorEnabled
SDL_GameControllerGetSensorDataRate
SDL_GameControllerGetSensorData
  SDL_bool
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         int num_values);
(SDL_GameController *gamecontroller, SDL_SensorType type, Uinte
float *data, int num_values);
                                                                                                                                                                                                                                                                                         SDL GameControllerGetSensorDataWithTimestamp
```

```
(SDL_GameController *gamecontroller, Uint16 low_frequency_rumble
Uint16 high frequency_rumble, Uint32 duration_ms);
(SDL_GameController *gamecontroller, Uint16 left_rumble, Uint16
Uint32 duration_ms);
(SDL_GameController *gamecontroller);
(SDL_GameController *gamecontroller);
(SDL_GameController *gamecontroller);
(SDL_GameController *gamecontroller, Uint8 red, Uint8 green, Ui
(SDL_GameController *gamecontroller, const void *data, int size
(SDL_GameController *gamecontroller);
(SDL_GameController *gamecontroller, SDL_GameControllerButton b
(SDL_GameController *gamecontroller, SDL_GameControllerAxis axi
                                                                                                                                                                                                                                                                                      SDL_GameControllerRumbleTriggers
                      SDL bool
                                                                                                                                                                                                                                                                                           SDL GameControllerHasLED
                                                                                                                                                                                                                                                                                    SDL_GameControllerHasLED
SDL_GameControllerHasRumble
SDL_GameControllerHasRumbleTriggers
SDL_GameControllerSetLED
SDL_GameControllerSetLED
SDL_GameControllerSendEffect
SDL_GameControllerClose
SDL_GameControllerClose
SDL_GameControllerGetAppleSFSymbolsNameForButton
SDL_GameControllerGetAppleSFSymbolsNameForAxis
                                                                                                                                          SDL_LockSensors
SDL_UnlockSensors
SDL_NumSensors
SDL_SensorGetDeviceName
e SDL_SensorGetDeviceNonPortableType
SDL_SensorGetDeviceNonPortableType
SDL_SensorGetDeviceNonPortableType
SDL_SensorGetMonPortableType
SDL_SensorGetName
e SDL_SensorGetType
SDL_SensorGetNonPortableType
SDL_SensorGetNonPortableType
SDL_SensorGetNonPortableType
SDL_SensorGetData
SDL_SensorGetData
SDL_SensorGetData
SDL_SensorGetDataWithTimestamp
SDL_SensorClose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (void);
(void);
(void);
(int device_index);
(int device_index);
(int device_index);
(int device_index);
(int device_index);
(int device_index);
(SDL_SensorID instance_id);
(SDL_Sensor *sensor);
(SDL_Sensor *sensor, float *data, int num_values);
(SDL_Sensor *sensor, Uint64 *timestamp, float *data, int num_values);
(SDL_Sensor *sensor);
(void);
                      SDL_SensorType
                                                                                                                                                                SDL SensorClose
                                                                                                                                                 SDL SensorUpdate
           6 // Force Feedback Support (SDL_haptic.h)
6 // Int SDL. NumHaptics
8 const char * SDL. HapticName
9 SDL_Haptic * SDL. HapticOpen
9 int SDL. HapticIndex
2 int SDL. HapticIndex
2 int SDL. HapticOpenFromMouse
4 int SDL. JoysticK18Haptic
6 SDL. Haptic * SDL. HapticOpenFromJoystick
6 void SDL. HapticOpenFromJoystick
7 int SDL. HapticOwnEffects
8 int SDL. HapticNumEffectsPlaying
9 unsigned int SDL. HapticNumEffects
90 int SDL. HapticNumAxes
1 int SDL. HapticNumAxes
1 int SDL. HapticNumAxes
1 int SDL. HapticNumEffect
1 int SDL. HapticNumEffect
1 int SDL. HapticNumEffect
1 int SDL. HapticStopEffect
1 int SDL. HapticStopEffect
1 int SDL. HapticStopEffect
1 int SDL. HapticSetGain
1 int SDL. HapticSetGain
1 int SDL. HapticSetGain
1 int SDL. HapticStopEffect
1 int SDL. HapticStopAll
2 int SDL. HapticStopAll
3 int SDL. HapticStopAll
4 int SDL. HapticStopAll
5 int SDL. HapticRumbleSupported
5 int SDL. HapticRumbleSupported
5 int SDL. HapticRumbleStop
                                                                                                                                                                                                                                                                                                                                                                                                    (void);
(int device_index);
(int device_index);
(int device_index);
(SDL_Haptic *haptic);
(void);
                                                                                                                                                                                                                                                                                                                                                                                               (void);
(void);
(void);
(SDL_Joystick *joystick);
(SDL_Joystick *joystick);
(SDL_Haptic *haptic);
(SDL_Haptic *haptic);
(SDL_Haptic *haptic);
(SDL_Haptic *haptic);
(SDL_Haptic *haptic);
(SDL_Haptic *haptic, SDL_HapticEffect *effect);
(SDL_Haptic *haptic, SDL_HapticEffect *effect);
(SDL_Haptic *haptic, int effect, SDL_HapticEffect *data);
(SDL_Haptic *haptic, int effect, Uint32 iterations);
(SDL_Haptic *haptic, int effect);
(SDL_Haptic *haptic, int autocenter);
(SDL_Haptic *haptic);
(SDL_Hapti
                                                                                                                                            SDL_HapticRumblePlay
SDL_HapticRumbleStop
                                                                                                                                                                                  SDL_GetNumAudioDrivers
SDL_GetAudioDriver
SDL AudioInit
SDL_AudioQuit
SDL_GetCurrentAudioDriver
SDL_OpenAudio
SDL_GetNumAudioDevices
SDL_GetAudioDeviceName
SDL_GetAudioDeviceSpec
SDL_GetDefaultAudioInfo
SDL_OpenAudioDevice
                                                                                                                                                                                                                                                                                                                                                                                                                               (void);
(int index);
(const char *driver_name);
(void);
                                                                                                                                                                                                                                                                                                                                                                                                                                 (Void);
(SDL AudioSpec *desired, SDL_AudioSpec *obtained);
(int iscapture);
(int index, int iscapture);
(int index, int iscapture, SDL_AudioSpec *spec);
(char **name, SDL_AudioSpec *spec, int iscapture);
(const char *device, int iscapture, const SDL_AudioSpec *desired,
                                                                                                                                                                                                                                                                                                                                                                                                                                     SDL AudioSpec *obtained, int allowed changes);
                                                                                                                                                                                      SDL_GetAudioStatus
SDL_GetAudioDeviceStatus
SDL_PauseAudio
SDL_PauseAudioDevice
SDL_LoadWAV_RW
                        SDL AudioStatus
                                                                                                                                                                                                                                                                                                                                                                                                                            (void);
(SDL_AudioDeviceID dev);
(int pause_on);
(SDL_AudioDeviceID dev, int pause_on);
(SDL_AudioDeviceID dev, int pause_on);
(SDL_AudioDeviceID dev, int freesrc, SDL_AudioSpec *spec, Uint8 **audio_buf,
Uint32 *audio_buf);
(Uint8 *audio_buf);
(SDL_AudioFormat str_oformat, Uint8 src_channels, int src_rate,
SDL_AudioFormat dst_format, Uint8 dst_channels, int dst_rate);
(SDL_AudioFormat src_format, const Uint8 src_channels, const int src_rate,
const SDL_AudioFormat src_format, const Uint8 src_channels, const int src_rate,
const SDL_AudioFormat dst_format, const Uint8 dst_channels, const int dst_rate);
(SDL_AudioStream *stream, const void *buf, int len);
(SDL_AudioStream *stream);
(SDL_AudioDeviceID dev, const void *data, Uint32 len);
(SDL_AudioDeviceID dev, void *data, Uint32 len);
(SDL_AudioDeviceID dev);
(SDL_AudioD
                                                                                                                                                                                                                                                                                                                                                                                                                                     (void);
(SDL_AudioDeviceID dev);
                        SDL AudioSpec *
                                                                                                                                                                                    SDL_FreeWAV
SDL_BuildAudioCVT
                      int SDL_ConvertAudio SDL_AudioStream * SDL_NewAudioStream
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Create a
// Add data
// Get conve
// Get the r
// Tell the
// Clear any
// Free an a
// This fund
// Mix audid
// Oueue mon
                                                                                                                                                                                         SDL AudioStreamPut
                                                                                                                                                                                    SUL_AudioStreamGet
SDL_AudioStreamAvailable
SDL_AudioStreamFlush
SDL_AudioStreamClear
SDL_FreeAudioStream
SDL_MixAudio
SDL_MixAudio
SDL_MixAudioFormat
SDL_DLEAUGIOS
                                                                                                                                                                                         SDL OueueAudio
22 Uint32
                                                                                                                                                                                         SDL_QueueAudio
                                                                                                                                                                                      SDL_DequeueAddio
SDL_GetQueuedAudioSize
SDL_ClearQueuedAudio
SDL_LockAudio
SDL_LockAudioDevice
                                                                                                                                                                                                                                                                                                                                                                                                                                   (Vold);
(SDL_AudioDeviceID dev);
                                                                                                                                                                                    SDL_UnlockAudio
SDL_UnlockAudioDevice
SDL_CloseAudio
SDL_CloseAudioDevice
                                                                                                                                                                                                                                                                                                                                                                                                                                     (void);
(SDL_AudioDeviceID dev);
                                                                                                                                                                                                                                                                                                                                                                                                                                 (void);
(SDL_AudioDeviceID dev);
```

```
SDL Thread * SDL_CreateThread
SDL_Thread * SDL_CreateThreadWithStackSize
const char * SDL_GetThreadName
SDL_threadID SDL_GetThreadID
SDL_threadID SDL_GetThreadID
int SDL_SCHThreadPriority
void SDL_WaitThread
void SDL_DetachThread
SDL_TLSID SDL_TLSCreate
void * SDL_TLSCreate
void SDL_TLSCE
int SDL_TLSCE
void SDL_TLSCE
                                                                                                                                                                                                                                                                                                                          (SDL_ThreadFunction fn, const char *name, void *data);
(SDL_ThreadFunction fn, const char *name, const size_t stacksize, void *data);
(SDL_Thread *thread);
                                                                                                                                                                                                                                                                                                                      (SDL_Thread *thread);
(void);
(SDL_Thread *thread);
(SDL_Thread *thread);
(SDL_Thread *thread, int *status);
(SDL_Thread *thread);
(void);
(SDL_TLSID id);
(SDL_TLSID id, const void *value, void (*destructor)(void*));
(void);
 SDL_CreateMutex (void);
SDL_LockMutex (SDL_mutex *mutex) SDL_ACQUIRE(mutex);
SDL_DestroyMutex (SDL_mutex *mutex) SDL_TRY_ACQUIRE(0, mutex);
SDL_DestroyMutex (SDL_mutex *mutex) SDL_RELEASE(mutex);
SDL_DestroyMutex (SDL_mutex *mutex);
SDL_SemeroyMutex (SDL_mutex *mutex);
SDL_SemeroySemaphore (Unit32 initial_value);
SDL_SemMait (SDL_sem *sem);
SDL_SemTryWait (SDL_sem *sem);
SDL_SemPost (SDL_sem *sem);
SDL_SemPost (SDL_sem *sem);
SDL_SemWalue (SDL_sem *sem);
SDL_CondSignal (SDL_cond *cond);
SDL_CondGignal (SDL_cond *cond);
SDL_CondWaitTimeout (SDL_cond *cond, SDL_mutex *mutex);
SDL_CondWaitTimeout (SDL_cond *cond, SDL_mutex *mutex, Unit32 ms);
SDL_AtomicTryLock
void SDL_AtomicLock
void SDL_AtomicLock
void SDL_MemoryBarrierAcquire
void SDL_MemoryBarrierAcquire
void SDL_MemoryBarrierAcquire
SUDL_SDL_AtomicCAS
int SDL_AtomicCet
int SDL_AtomicCet
void SDL_AtomicCet
SDL_AtomicCAS
SDL_
                                                                                                                                                                                                                                                      (SDL_SpinLock *lock);
(SDL_SpinLock *lock);
(SDL_SpinLock *lock);
(void);
(void);
(void);
(SDL_atomic_t *a, int oldval, int newval);
(SDL_atomic_t *a);
(SDL_atomic_t *a);
(SDL_atomic_t *a);
(SDL_atomic_t *a);
(SDL_atomic_t *a);
(void **a, void *oldval, void *newval);
(void **a, void* v);
(void **a);
                                                                                           SDL GetTicks64 (void); // Get the number of milliseconds sinc SDL GetPerformanceCounter (void); // Get the number of milliseconds sinc SDL GetPerformancePrequency (void); // Get the current value of the high r SDL GetPerformancePrequency (void); // Get the count per second of the high SDL Delay (Uint32 ms); // Wait a specified number of millisec SDL AddTimer (Uint32 interval, SDL_TimerCallback callback, void *param); // Call a callback function at a futur SDL_RemoveTimer (SDL_TimerID id); // Remove a timer created with SDL_Add
     Uint32
Uint64
Uint64
                                        * SDL_GetBasePath (void); // Get the directory where the application was run from.

* SDL_GetPrefPath (const char *org, const char *app); // Get the user-and-app-specific path where files can be written
                                                                                                                                                                                                                        (const char *file, const char *mode);
(void *fp, SDL_bool autoclose);
(void *fp, SDL_bool autoclose);
(void *mem, int size);
(const void *mem, int size);
(sDL_RWops *context);
(SDL_RWops *context);
(SDL_RWops *context, Sint64 offset, int whence);
(SDL_RWops *context, sint64 offset, int whence);
(SDL_RWops *context, const void *ptr, size_t size, size_t maxnum);
(SDL_RWops *context, const void *ptr, size_t size, size_t num);
(SDL_RWops *context);
(SDL_RWops *src, size_t *datasize, int freesrc);
(const char *file, size_t *datasize);
(SDL_RWops *src);
(SDL_RWops *dst, Uint8 value);
(SDL_RWops *dst, Uint16 value);
(SDL_RWops *dst, Uint12 value);
(SDL_RWops *dst, Uint32 value);
(SDL_RWops *dst, Uint64 value);
(SDL_RWops *dst, Uint64 value);
(SDL_RWops *dst, Uint64 value);
   SDL_ReadBE32
SDL_ReadLE64
SDL_ReadBE64
SDL_WriteU8
SDL_WriteBE16
SDL_WriteBE16
SDL_WriteBE32
SDL_WriteBE32
SDL_WriteBE64
SDL_WriteBE64
        Uint64
Uint64
size_t
size_t
        size_t
size_t
size_t
size_t
size_t
size_t
```

```
SDL_LoadObject (const char *sofile); // Dynamically load a shared object.

SDL_LoadFunction (void *handle, const char *name); // Look up the address of the named function in a shared object.

SDL_UnloadObject (void *handle); // Unload a shared object from memory.
    const char * SDL_GetPlatform (void); // Get the name of the platform.
//| Uint16 SDL_Swap16 (Uint16 x); // Unconditionally byte swap the provided data.
Uint32 SDL_Swap52 (Uint32 x); // Unconditionally byte swap the provided data.
Uint64 SDL_Swap64 (Uint64 x); // Unconditionally byte swap the provided data.
float SDL_SwapFloat (float x); // Unconditionally byte swap the provided data.
  Uint16 SDL_SwapLE16 (Uint16 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint32 SDL_SwapLE40 (Uint32 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint34 SDL_SwapFloatLE (float X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint16 SDL_SwapBE16 (Uint32 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint32 SDL_SwapBE32 (Uint32 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint34 SDL_SwapBE44 (Uint34 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint34 SDL_SwapBE45 (Uint34 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint34 SDL_SwapBE46 (Uint34 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint34 SDL_SwapBE46 (Uint34 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint35 SDL_SwapBE46 (Uint36 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint36 SDL_SwapBE46 (Uint36 X); // Byteswap item from the specified endianness to the native endianness if necessary.
Uint36 SDL_SwapBE46 (Uint36 X); // Byteswap item from the specified endianness to the native endianness if necessary.
     int SDL_MostSignificantBitIndex32 (Uint32 x); // Get the index of the most significant bit. Undefined when called with 0.
SDL_bool SDL_HasExactlyOneBitSet32 (Uint32 x); // Returns true if integer has exactly one bit set.
                                                               SDL_PowerState SDL_GetPowerInfo (int *seconds, int *percent); // Get the current power supply details.
   //-
void SDL_SetWindowsMessageHook SDL_WindowsMessageHook callback, void *userdata);
int SDL_Direct309GetAdapterIndex (int displayIndex);
IDirect3DDevice9 SDL_RenderGetD309Device SDL_RenderreetD3011Device SDL_RenderreetD3012Device SDL_RenderreetD4012Device SDL_RenderreetD4012De
     int SDL_iPhoneSetAnimationCallback
                                                                                                                                                                                                             (SDL_Window *window, int interval,
void (*callback)(void*), void *callbackParam); // Use this function to set the animatic
(SDL_bool enabled); // Use this function to enable or disable
   void SDL_iPhoneSetEventPump
 | void SDL_OnApplicationWillTerminate
| void SDL_OnApplicationDidReceiveMemoryWarning
| void SDL_OnApplicationWillEnseignActive
| void SDL_OnApplicationWillEnterBackground
| void SDL_OnApplicationDidEnterBackground
| void SDL_OnApplicationDidEcomeActive
| void SDL_OnApplicationDidChangeStatusBarOrientation
```

```
//-
void * SDL_AndroidGetJNIEnv
void * SDL_AndroidGetActivity
int SDL_GetAndroidSDKVersion
SDL_bool SDL_IsAndroidTV
SDL_bool SDL_IsAndroidTV
SDL_bool SDL_IsDxMode
void SDL_AndroidBackButton
const char * SDL_AndroidGetInternalStoragePath
int SDL_AndroidGetExternalStoragePath
const char * SDL_AndroidGetExternalStoragePath
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (const char *permission);
(const char* message, int duration,
int gravity, int xoffset, int yoffset); // Shows an Android toast notification.
(Uint32 command, int param); // Send a user command to SDLActivity.
                                                                                                                                    SDL_AndroidRequestPermission
SDL AndroidShowToast
                                                                                                                             SDL AndroidSendMessage
  const wchar_t *
const wchar_t *
SDL_WinRTGetFSPathUNICODE
const char *
SDL_WinRTGetFSPathUTF8
SDL_WinRT_Path pathType); // Retrieve a WinRT defined path on the local file system
(SDL_WinRT_DeviceFamily
SDL_WinRTGetDeviceFamily
Const char *
SDL_WinRTGetDeviceFamily
SDL_WinRTGetDeviceFamily
Const char *
SDL_WinRTGetDeviceFamily
Con
       SDL_bool SDL_IsTablet (void); // Query if the current device is a tablet.
void * SDL_malloc (size_t size);
void * SDL_calloc (size_t nmemb, size_t size);
void * SDL_free (void *mem, s
    char * SDL_getenv (const char *name);
int SDL_setenv (const char *name, const char *value, int overwrite);
  void SDL_qsort (void *base, size_t nmemb, size_t size, int (*compare) (const void *, const void *));
void * SDL_bsearch (const void *key, const void *base, size_t nmemb, size_t size, int (*compare) (const void *, const void *));
                                                                                                                                         SDL_isalpha
SDL_isalnum
SDL_isblank
SDL_isblank
SDL_ischrit
SDL_isspace
SDL_ispunct
SDL_isspace
SDL_islower
SDL_islower
SDL_isgraph
SDL tolower
SDL_tolower
SDL_crc16
SDL_crc25
SDL_memset
SDL_memcpy
SDL_memcpy
SDL_memcpy
SDL_mescap
SDL_wcslen
SDL_wcslen
SDL_wcslep
SDL_wcslet
                                                                                                                                                                                                                                                                                               (int x);
(int x)
  Uint16
Uint32
void *
  int
size_t
size_t
size_t
wchar_t *
wchar_t *
                                                                                                                                              SDL_strlen
SDL_strlcpy
SDL_utf8strlcpy
SDL_strlcat
SDL_strdup
SDL_strrev
SDL_strupr
SDL_strupr
SDL_strchr
       size_t
size t
                                                                                                                                            SULSTITCH
SDL_strstr
SDL_strstr
SDL_strstr
SDL_strstr
SDL_strstr
SDL_utf8strlen
SDL_utf8strlen
SDL_utf8strlen
SDL_utf0s
SDL_uttoa
SDL_uttoa
SDL_uttoa
SDL_uttoa
SDL_uttoa
SDL_strout
SDL_strout
SDL_strtol
SDL_strtol
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strtout
SDL_strcout
  size_t
size_t
double
long
unsigne
Sint64
Uint64
```

```
int SDL_abs
double SDL_acosf
double SDL_acosf
double SDL_acosf
double SDL_asin
float SDL_atan
float SDL_atan
float SDL_atan
float SDL_atan
double SDL_atan
float SDL_ceil
float SDL_floar
float SDL_log10
float SDL_log10
float SDL_log10
float SDL_log10
float SDL_pow
float SDL_pow
float SDL_round
float SDL_round
float SDL_round
float SDL_scalbar
float SDL_scalbar
float SDL_scalbar
float SDL_sinf
float SDL_sinf
float SDL_sinf
float SDL_sinf
float SDL_sinf
float SDL_sinf
float SDL_sartf
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (const char *tocode, const char *fromcode);
(SDL iconv_t cd);
(SDL iconv_t cd, const char **inbuf, size_t *inbytesleft, char **outbuf, size_t *outbytesleft);
(const char *tocode, const char *fromcode, const char *inbuf, size_t inbytesleft); // This function
(const char *inbuf);
(size t a, size t b, size t *ret): // If a s h yould quarter; return the const char *inbuf);
                                                        //
SDL_iconv_t SDL_iconv_open
int SDL_iconv_close
size_t SDL_iconv
char * SDL_iconv_utf8_locale
char * SDL_iconv_utf8_ucs2
char * SDL_iconv_utf8_ucs4
char * SDL_iconv_wchar_utf8
char * SDL_iconv_wchar_utf8_ucs4
char_utf8_ucs4
ch
                                                                                                                                                                                                     SDL_size_mul_overflow
SDL_size_add_overflow
#sdl #cheatsheet
     Auto-Tiling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Recursion and Code Compression >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 reactions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
0 comments
                             Write
                                                                                                                         Preview
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Aa
                           Sign in to comment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sign in with GitHub
```

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