

API TYPES

BLError

Purpose:

Values: BIL_NO_ERROR
BIL_INVALID_VALUE
BIL_INVALID_ENUM
BIL_INVALID_OPERATION
BIL_STACK_OVERFLOW
BIL_STACK_UNDERFLOW
BIL_OUT_OF_MEMORY
BIL_FILE_WRITE_ERROR
BIL_FILE_READ_ERROR

See Also:

BILtype

Purpose:

Values: BIL_UNSIGNED_BYTE
BIL_UNSIGNED_SHORT
BIL_FLOAT
BIL_BOOLEAN
BIL_INT
BIL_DOUBLE
BIL_CHAR_PTR
BIL_VOID_PTR

See Also:

BILformat

Purpose:

Values: BIL_RGB
BIL_RGBA
BIL_RED
BIL_GREEN
BIL_BLUE
BIL_ALPHA
BIL_LUMINANCE
BIL_LUMINANCE_ALPHA

See Also:

BILinterpolation

Purpose:

Values: BIL_NEAREST_NEIGHBOUR
BIL_LINEAR
BIL_CUBIC

See Also:

BILboolean

Purpose: Boolean

Values: BIL_TRUE
BIL_FALSE

BILsizei

Purpose: Non-negative 32-bit binary integer
Values: $[0, 2^{32})$

BILbyte, BILubyte

Purpose: 8-bit binary integer (signed and unsigned)
Values: Signed: $[-2^7, 2^7)$ Unsigned: $[0, 2^8)$

BILshort, BILushort

Purpose: 16-bit binary integer (signed and unsigned)
Values: Signed: $[-2^{15}, 2^{15})$ Unsigned: $[0, 2^{16})$

BILint, BILuint

Purpose: 32-bit binary integer (signed and unsigned)
Values: Signed: $[-2^{31}, 2^{31})$ Unsigned: $[0, 2^{31})$

BILchar

Purpose: A single text character (could be Unicode in future). This is a signed type.

BILfloat, BILdouble

Purpose: Floating point value (single and double precision)

BILvoid

Purpose:
Values:
See Also:

BILimage

Purpose: An opaque type that references an image. Can be treated as a (BILvoid *).
Values: Non NULL

BILcontext

Purpose:
Values:
See Also:

API FUNCTIONS

bilNewImage

Purpose:
Prototype: [BILimage](#) bilNewImage([BILsizei](#) width, [BILsizei](#) height);
Parameters:
Result:
See Also:

bilDeleteImage

Purpose:
Prototype: [BILboolean](#) bilDeleteImage([BILimage](#) image);
Parameters:
Result:
See Also:

bilCopyImage

Purpose:
Prototype: [BILimage](#) bilCopyImage([BILimage](#) image);
Parameters:
Result:
See Also:

bilDeleteImage

Purpose:
Prototype: [BILboolean](#) bilDeleteImage([BILimage](#) image);
Parameters:
Result:
See Also:

bilClearImage

Purpose:
Prototype: [BILboolean](#) bilClearImage([BILimage](#) image);
Parameters:
Result:
See Also:

bilResizeImage

Purpose:
Prototype: [BILboolean](#) bilResizeImage([BILimage](#) image, [BILsizei](#) width, [BILsizei](#) height);
Parameters:
Result:
See Also:

bilResizeImage

Purpose:

Prototype: [BILboolean](#) bilResizeImage([BILimage](#) image,
[BILsizei](#) width, [BILsizei](#) height);

Parameters:

Result:

See Also:

bilResampleImage

Purpose:

Prototype: [BILboolean](#) bilResampleImage([BILimage](#) image,
[BILsizei](#) width, [BILsizei](#) height,
[BILinterpolation](#) interpolation);

Parameters:

Result:

See Also:

bilGetImagePtr

Purpose:

Prototype: [BILvoid](#) *bilGetImagePtr([BILimage](#) image,
[BILint](#) x, [BILint](#) y);

Parameters:

Result:

See Also:

bilGetImageWidth

Purpose:

Prototype: [BILsizei](#) bilGetImageWidth([BILimage](#) image);

Parameters:

Result:

See Also:

bilGetImageHeight

Purpose:

Prototype: [BILsizei](#) bilGetImageHeight([BILimage](#) image);

Parameters:

Result:

See Also:

bilBytesPerPixel

Purpose:

Prototype: [BILsizei](#) bilBytesPerPixel([BILformat](#) format,
[BILtype](#) type);

Parameters:

Result:

See Also:

bilBeginEncode

Purpose:

Prototype: `BILcontext bilBeginEncode(BILimage image,
const BILchar *driver);`

Parameters:

Result:

See Also:

bilEncodeBlock

Purpose:

Prototype: `BILsizei bilEncodeBlock(BILcontext context,
BILvoid *block, BILsizei size);`

Parameters:

Result:

See Also:

bilEndEncode

Purpose:

Prototype: `BILboolean bilEndEncode(BILcontext context);`

Parameters:

Result:

See Also:

bilBeginDecode

Purpose:

Prototype: `BILcontext bilBeginDecode(BILimage image,
const BILchar *driver);`

Parameters:

Result:

See Also:

bilValidBlock

Purpose:

Prototype: `BILboolean bilValidBlock(BILcontext context,
const BILvoid *block, BILsizei size);`

Parameters:

Result:

See Also:

bilDecodeBlock

Purpose:

Prototype: `BILsizei bilDecodeBlock(BILcontext context,
const BILvoid *block, BILsizei size);`

Parameters:

Result:

See Also:

bilEndDecode

Purpose:
Prototype: [BILboolean](#) bilEndDecode(BILcontext context);
Parameters:
Result:
See Also:

bilSaveImage

Purpose:
Prototype: [BILboolean](#) bilSaveImage([BILimage](#) *image,
const [BILchar](#) *fileName, const [BILchar](#) *driver);
Parameters:
Result:
See Also:

bilLoadImage

Purpose:
Prototype: [BILboolean](#) bilLoadImage([BILimage](#) *image,
const [BILchar](#) *fileName, const [BILchar](#) *driver);
Parameters:
Result:
See Also:

bilSetImageParasiteBoolean

Purpose:
Prototype: [BILboolean](#) bilSetImageParasiteBoolean([BILimage](#) image,
const [BILchar](#) *key, const [BILboolean](#) *values,
[BILsizei](#) count);
Parameters:
Result:
See Also:

bilSetImageParasiteInt

Purpose:
Prototype: [BILboolean](#) bilSetImageParasiteInt([BILimage](#) image,
const [BILchar](#) *key, const [BILint](#) *values,
[BILsizei](#) count);
Parameters:
Result:
See Also:

bilSetImageParasiteDouble

Purpose:
Prototype: [BILboolean](#) bilSetImageParasiteDouble([BILimage](#) image,
const [BILchar](#) *key, const [BILdouble](#) *values,
[BILsizei](#) count);
Parameters:
Result:
See Also:

bilSetImageParasiteCharPtr

Purpose:

Prototype: [BILboolean](#) bilSetImageParasiteCharPtr([BILimage](#) image,
const [BILchar](#) *key, const [BILchar](#) *value);

Parameters:

Result:

See Also:

bilSetImageParasiteVoidPtr

Purpose:

Prototype: [BILboolean](#) bilSetImageParasiteVoidPtr([BILimage](#) image,
const [BILchar](#) *key, const [BILvoid](#) *value,
[BILsizei](#) size);

Parameters:

Result:

See Also:

bilGetImageParasiteBoolean

Purpose:

Prototype: const [BILboolean](#) *bilGetImageParasiteBoolean(
[BILimage](#) image, const [BILchar](#) *key);

Parameters:

Result:

See Also:

bilGetImageParasiteInt

Purpose:

Prototype: const [BILint](#) *bilGetImageParasiteInt([BILimage](#) image,
const [BILchar](#) *key);

Parameters:

Result:

See Also:

bilGetImageParasiteDouble

Purpose:

Prototype: const [BILdouble](#) *bilGetImageParasiteDouble(
[BILimage](#) image, const [BILchar](#) *key);

Parameters:

Result:

See Also:

bilGetImageParasiteCharPtr

Purpose:

Prototype: const [BILchar](#) *bilGetImageParasiteCharPtr([BILimage](#)
image, const [BILchar](#) *key);

Parameters:

Result:

See Also:

bilGetImageParasiteVoidPtr

Purpose:

Prototype: `const BILvoid *bilGetImageParasiteVoidPtr(BILimage image, const BILchar *key);`

Parameters:

Result:

See Also:

bilGetImageParasiteCount

Purpose:

Prototype: `BILsizei bilGetImageParasiteCount(BILimage image, const BILchar *key);`

Parameters:

Result:

See Also:

bilGetImageParasiteCount

Purpose:

Prototype: `BILsizei bilGetImageParasiteSize(BILimage image, const BILchar *key);`

Parameters:

Result:

See Also:

bilGetImageParasiteType

Purpose:

Prototype: `BILtype bilGetImageParasiteType(BILimage image, const BILchar *key);`

Parameters:

Result:

See Also:

bilEnumerateImageParasites

Purpose:

Prototype: `BILboolean bilEnumerateImageParasites(BILimage image, BILchar *string, BILsizei stringSize);`

Parameters:

Result:

See Also:

bilCopyImageParasites

Purpose:

Prototype: `BILboolean bilCopyImageParasites(BILimage src, BILimage dst);`

Parameters:

Result:

See Also:

bilDrawPixels

Purpose:

Prototype: [BILboolean](#) bilDrawPixels([BILimage](#) image,
[BILint](#) x, [BILint](#) y, [BILsizei](#) width, [BILsizei](#) height,
[BILformat](#) format, [BILtype](#) type, const [BILvoid](#) *pixels);

Parameters:

Result:

See Also:

bilReadPixels

Purpose:

Prototype: [BILboolean](#) bilReadPixels([BILimage](#) image,
[BILint](#) x, [BILint](#) y, [BILsizei](#) width, [BILsizei](#) height,
[BILformat](#) format, [BILtype](#) type, [BILvoid](#) *pixels);

Parameters:

Result:

See Also:

bilReadPixels

Purpose:

Prototype: [BILboolean](#) bilCopyPixels([BILimage](#) srcImage,
[BILint](#) srcX, [BILint](#) srcY,
[BILsizei](#) width, [BILsizei](#) height,
[BILimage](#) dstImage, [BILint](#) dstX, [BILint](#) dstY);

Parameters:

Result:

See Also:

bilFlipImageHorizontal

Purpose:

Prototype: [BILboolean](#) bilFlipImageHorizontal([BILimage](#) image);

Parameters:

Result:

See Also:

bilFlipImageVertical

Purpose:

Prototype: [BILboolean](#) bilFlipImageVertical([BILimage](#) image);

Parameters:

Result:

See Also:

bilEnumerateEncoders

Purpose:

Prototype: [BILboolean](#) bilEnumerateEncoders([BILchar](#) *string,
[BILsizei](#) stringSize);

Parameters:

Result:

See Also:

bilEnumerateDecoders

Purpose:

Prototype: [BILboolean](#) bilEnumerateDecoders([BILchar](#) *string,
[BILsizei](#) stringSize);

Parameters:

Result:

See Also:

bilNextKey

Purpose:

Prototype: const [BILchar](#) *bilNextKey(const [BILchar](#) *string,
[BILchar](#) *key, [BILsizei](#) keySize);

Parameters:

Result:

See Also:

bilContainsKey

Purpose:

Prototype: [BILboolean](#) bilContainsKey(const [BILchar](#) *string,
const [BILchar](#) *key);

Parameters:

Result:

See Also:

bilGetError

Purpose:

Prototype: [BILerror](#) bilGetError();

Parameters:

Result:

See Also: