

PEter

Generated by Doxygen 1.8.13



# Contents

<b>1</b>	<b>File Index</b>	<b>1</b>
1.1	File List . . . . .	1
<b>2</b>	<b>File Documentation</b>	<b>3</b>
2.1	/home/x/git-repos/peter/src/exports.h File Reference . . . . .	3
2.1.1	Detailed Description . . . . .	3
2.1.2	Function Documentation . . . . .	4
2.1.2.1	exports_get_function_by_name() . . . . .	4
2.1.2.2	exports_get_function_by_ordinal() . . . . .	4
2.1.2.3	exports_get_name_by_index() . . . . .	4
2.1.2.4	exports_get_ordinal_by_name() . . . . .	5
2.2	/home/x/git-repos/peter/src/imports.h File Reference . . . . .	5
2.2.1	Detailed Description . . . . .	6
2.2.2	Function Documentation . . . . .	6
2.2.2.1	imports_by_index_get_iaddr_thunk_by_index() . . . . .	6
2.2.2.2	imports_by_index_get_import_descriptor() . . . . .	6
2.2.2.3	imports_by_index_get_iname_by_index() . . . . .	7
2.2.2.4	imports_by_index_get_name() . . . . .	7
2.2.2.5	imports_by_name_get_iname_index_by_name() . . . . .	7
2.2.2.6	imports_by_name_get_index() . . . . .	8
2.3	/home/x/git-repos/peter/src/peter.h File Reference . . . . .	8
2.3.1	Detailed Description . . . . .	8
2.4	/home/x/git-repos/peter/src/sections.h File Reference . . . . .	8
2.4.1	Detailed Description . . . . .	10

2.4.2	Function Documentation	10
2.4.2.1	<a href="#">ptr_to_rva()</a>	10
2.4.2.2	<a href="#">raw_to_rva()</a>	10
2.4.2.3	<a href="#">rva_to_ptr()</a>	12
2.4.2.4	<a href="#">rva_to_raw()</a>	12
2.4.2.5	<a href="#">sections_add_section()</a>	12
2.4.2.6	<a href="#">sections_by_index_get_sh()</a>	13
2.4.2.7	<a href="#">sections_by_name_enlarge()</a>	13
2.4.2.8	<a href="#">sections_by_name_get_characteristics()</a>	13
2.4.2.9	<a href="#">sections_by_name_get_index()</a>	14
2.4.2.10	<a href="#">sections_by_name_get_pointer_to_memory()</a>	14
2.4.2.11	<a href="#">sections_by_name_get_sh()</a>	14
2.4.2.12	<a href="#">sections_by_name_is_executable()</a>	15
2.4.2.13	<a href="#">sections_by_name_is_readable()</a>	15
2.4.2.14	<a href="#">sections_by_name_is_writable()</a>	15
2.4.2.15	<a href="#">sections_by_name_set_characteristics()</a>	16
2.4.2.16	<a href="#">sections_by_name_set_executable()</a>	16
2.4.2.17	<a href="#">sections_by_name_set_name()</a>	16
2.4.2.18	<a href="#">sections_by_name_set_readable()</a>	17
2.4.2.19	<a href="#">sections_by_name_set_writable()</a>	17
2.4.2.20	<a href="#">sections_get_sizeof_image_after_add_section()</a>	17
	<b>Index</b>	<b>19</b>

# Chapter 1

## File Index

### 1.1 File List

Here is a list of all documented files with brief descriptions:

<a href="#">/home/x/git-repos/peter/src/exports.h</a>	
These functions can be used to get information from a PE files export header . . . . .	3
<a href="#">/home/x/git-repos/peter/src/imports.h</a>	
These functions give you information about the import table . . . . .	5
<a href="#">/home/x/git-repos/peter/src/peter.h</a>	
This file is the file you can actually include for using the library. It does nothing but including other header files . . . . .	8
<a href="#">/home/x/git-repos/peter/src/sections.h</a>	
This file contains functions for getting information concerning the section headers (e.g. <a href="#">sections_by_name_is_writable()</a> informs you whether the writable flag in a section header is set). An other type of function changes the values within the section headers (set functions like <a href="#">sections_by_name_set_name()</a> ) or may even add a new one. The functions which convert e.g. pointers to rva values where placed in this header too, because they need information from the section headers to calculate their return values . . . . .	8



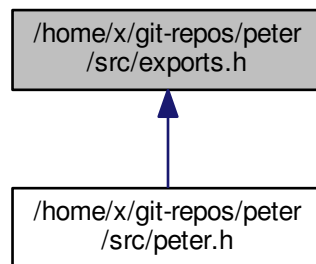
## Chapter 2

# File Documentation

### 2.1 /home/x/git-repos/peter/src/exports.h File Reference

These functions can be used to get information from a PE files export header.

This graph shows which files directly or indirectly include this file:



#### Functions

- `uint16_t exports_get_ordinal_by_name (void *image, const char *name)`  
*returns the ordinal for the function you name*
- `void * exports_get_function_by_name (void *image, const char *name)`  
*returns a functions address*
- `char * exports_get_name_by_index (void *image, const uint32_t idx)`  
*returns the first function name in the export header if `idx = 0`, the second if `idx = 1` and so on*
- `void * exports_get_function_by_ordinal (void *image, uint32_t ord)`  
*you give it an ordinal and you get a pointer to a function*

#### 2.1.1 Detailed Description

These functions can be used to get information from a PE files export header.

## 2.1.2 Function Documentation

### 2.1.2.1 exports\_get\_function\_by\_name()

```
void* exports_get_function_by_name (
    void * image,
    const char * name )
```

returns a functions address

#### Parameters

<i>image</i>	is a pointer to the pe image you want to analyze
<i>name</i>	is a pointer on the name of the API function you want the address of

### 2.1.2.2 exports\_get\_function\_by\_ordinal()

```
void* exports_get_function_by_ordinal (
    void * image,
    uint32_t ord )
```

you give it an ordinal and you get a pointer to a function

#### Parameters

<i>image</i>	<- like above
<i>ord</i>	should be one of the values you can find in the ordinal list of the PEs export table.

### 2.1.2.3 exports\_get\_name\_by\_index()

```
char* exports_get_name_by_index (
    void * image,
    const uint32_t idx )
```

returns the first function name in the export header if *idx* = 0, the second if *idx* = 1 and so on

#### Parameters

<i>image</i>	is a pointer on the pe image
<i>idx</i>	is 0 for the first name and so on... (like an array index)



## 2.1.2.4 exports\_get\_ordinal\_by\_name()

```
uint16_t exports_get_ordinal_by_name (
    void * image,
    const char * name )
```

returns the ordinal for the function you name

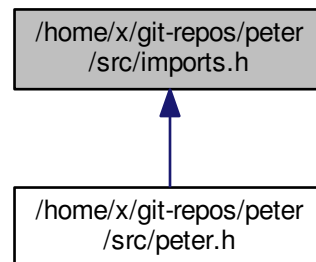
## Parameters

<i>image</i>	is a pointer to the first byte of the image you want to analyze
<i>name</i>	is a pointer on the name of the function you want to get the ordinal of

## 2.2 /home/x/git-repos/peter/src/imports.h File Reference

These functions give you information about the import table.

This graph shows which files directly or indirectly include this file:



## Functions

- `IMAGE_IMPORT_DESCRIPTOR * imports_by_index_get_import_descriptor (void *image, int i)`  
*return the import descriptor with the index i*
- `char * imports_by_index_get_name (void *image, int i)`  
*returns a char \*pointer on the import descriptors name (the dll name)*
- `int imports_by_name_get_index (void *image, const char *name)`  
*returns the import descriptor index that fits the name parameter*
- `int imports_by_name_get_iname_index_by_name (void *image, const char *dllName, const char *funcName)`  
*returns the index of the imported function of a dll (that's not an ordinal)*
- `IMAGE_IMPORT_BY_NAME * imports_by_index_get_iname_by_index (void *image, int idtIdx, int intIdx)`  
*you give it two indexes (import descriptor and its import name table) and you get the name of the function these two indexes describe. That means you will get the first function name of the first imported dll if idtIdx and intIdx are both == 0. The returned pointer is an IMAGE\_IMPORT\_BY\_NAME struct which is actually a uint8\_t array but with a word (16bit) value at its start.*

- `void * imports_by_index_get_iaddr_thunk_by_index` (`void *image`, `int idtIdx`, `int iatIdx`)

like `imports_by_index_get_iname_by_index()` but doesn't return a name but a pointer on `IMAGE_THUNK_DATA` if it's a 32bit executable this function will return `IMAGE_THUNK_DATA32` and if you have 64bit you may use the return value as a pointer on `IMAGE_THUNK_DATA64`

## 2.2.1 Detailed Description

These functions give you information about the import table.

## 2.2.2 Function Documentation

### 2.2.2.1 imports\_by\_index\_get\_iaddr\_thunk\_by\_index()

```
void* imports_by_index_get_iaddr_thunk_by_index (
    void * image,
    int idtIdx,
    int iatIdx )
```

like `imports_by_index_get_iname_by_index()` but doesn't return a name but a pointer on `IMAGE_THUNK_DATA` if it's a 32bit executable this function will return `IMAGE_THUNK_DATA32` and if you have 64bit you may use the return value as a pointer on `IMAGE_THUNK_DATA64`

#### Parameters

<i>image</i>	is the PE file
<i>idtIdx</i>	is an import descriptor index
<i>iatIdx</i>	is a name table index

### 2.2.2.2 imports\_by\_index\_get\_import\_descriptor()

```
IMAGE_IMPORT_DESCRIPTOR* imports_by_index_get_import_descriptor (
    void * image,
    int idtIdx )
```

return the import descriptor with the index `i`

#### Parameters

<i>image</i>	points to the image you want to analyze
<i>i</i>	is 0 if you need the first import descriptor <code>i = 1</code> for the second and so on

## 2.2.2.3 imports\_by\_index\_get\_iname\_by\_index()

```
IMAGE_IMPORT_BY_NAME* imports_by_index_get_iname_by_index (
    void * image,
    int idtIdx,
    int intIdx )
```

you give it two indexes (import descriptor and its import name table) and you get the name of the function these two indexes describe. That means you will get the first function name of the first imported dll if idtIdx and intIdx are both == 0. The returned pointer is an IMAGE\_IMPORT\_BY\_NAME struct which is actually a uint8\_t array but with a word (16bit) value at its start.

## Parameters

<i>image</i>	points to the PE file
<i>idtIdx</i>	is the import descriptor index (starting at 0 for the first import descriptor)
<i>intIdx</i>	is the name table index (also starting with 0)

## 2.2.2.4 imports\_by\_index\_get\_name()

```
char* imports_by_index_get_name (
    void * image,
    int idtIdx )
```

returns a char \*pointer on the import descriptors name (the dll name)

## Parameters

<i>image</i>	points to the image you want to analyze
<i>i</i>	is an index indicating which import desc. you want the name of (starting with 0)

## 2.2.2.5 imports\_by\_name\_get\_iname\_index\_by\_name()

```
int imports_by_name_get_iname_index_by_name (
    void * image,
    const char * dllName,
    const char * funcName )
```

returns the index of the imported function of a dll (that's not an ordinal)

## Parameters

<i>image</i>	points to the PE file you want information of
<i>dllName</i>	is the name of the dll (import descriptor name) where the function name resides in
<i>funcName</i>	is the name of the function you want the index of

#### 2.2.2.6 imports\_by\_name\_get\_index()

```
int imports_by_name_get_index (
    void * image,
    const char * name )
```

returns the import descriptor index that fits the name parameter

##### Parameters

<i>image</i>	points on the image you want to analyze
<i>name</i>	the dll name (== import descriptor name) you want the idx of

## 2.3 /home/x/git-repos/peter/src/peter.h File Reference

This file is the file you can actually include for using the library. It does nothing but including other header files.

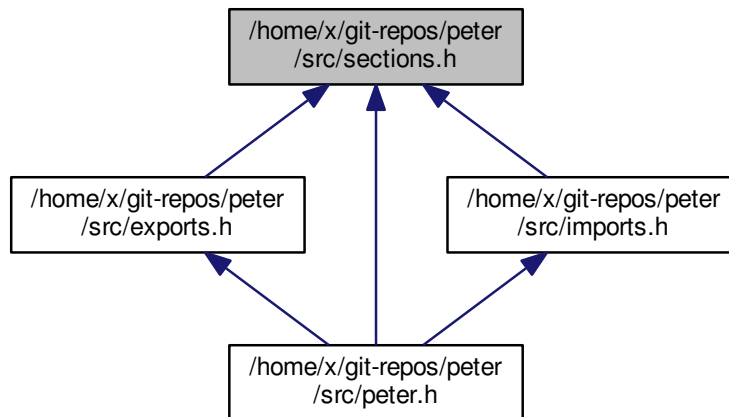
### 2.3.1 Detailed Description

This file is the file you can actually include for using the library. It does nothing but including other header files.

## 2.4 /home/x/git-repos/peter/src/sections.h File Reference

This file contains functions for getting information concerning the section headers (e.g. [sections\\_by\\_name\\_is\\_writable\(\)](#) informs you whether the writable flag in a section header is set). Another type of function changes the values within the section headers (set functions like [sections\\_by\\_name\\_set\\_name\(\)](#) ) or may even add a new one. The functions which convert e.g. pointers to rva values were placed in this header too, because they need information from the section headers to calculate their return values.

This graph shows which files directly or indirectly include this file:



## Functions

- `IMAGE_SECTION_HEADER * sections_by_index_get_sh (void *image, int index)`  
*returns a pointer on the IMAGE\_SECTION\_HEADER at the indexed position.*
- `IMAGE_SECTION_HEADER * sections_by_name_get_sh (void *image, const char *name)`  
*like sections\_by\_index\_get\_sh() but index is replaced by the section name.*
- `int sections_by_name_get_index (void *image, const char *name)`  
*Tells you at which position the section header with the name xy lies.*
- `uint32_t sections_by_name_get_characteristics (void *image, const char *name)`  
*returns the characteristics field of a section header.*
- `int sections_by_name_is_writable (void *image, const char *name)`  
*returns 1 if the section is writable and 0 if not*
- `int sections_by_name_is_readable (void *image, const char *name)`  
*returns 1 if section is readable and 0 if not*
- `int sections_by_name_is_executable (void *image, const char *name)`  
*returns 1 if the section is executable and 0 if not.*
- `void * sections_by_name_get_pointer_to_memory (void *image, const char *name)`  
*returns a pointer on the first byte of a section*
- `uint32_t rva_to_raw (char *image, uint32_t rva)`  
*you give it a 32bit rva and it returns the raw offset*
- `void * rva_to_ptr (void *image, uint32_t rva)`
- `uint32_t raw_to_rva (char *image, uint32_t raw)`  
*returns a rva if you give it a raw offset*
- `uint32_t ptr_to_rva (char *image, char *ptr)`  
*makes a rva address from a pointer*
- `void sections_by_name_set_writable (void *image, const char *name)`  
*Sets the writable flag in the section header.*
- `void sections_by_name_set_readable (void *image, const char *name)`  
*sets the readable flag in the section header*
- `void sections_by_name_set_executable (void *image, const char *name)`

*sets the executable flag in the section header*

- void [sections\\_by\\_name\\_set\\_name](#) (void \*image, const char \*name, const char \*replace)

*replaces the section name with a section name of your choice (8 byte max)*

- void [sections\\_by\\_name\\_set\\_characteristics](#) (void \*image, const char \*name, uint32\_t characteristics)

*sets the characteristics field of a section header.*

- void \* [sections\\_add\\_section](#) (void \*image, int imageSz, void \*spaceRetImage, int spaceSz, const char \*name, uint32\_t size)

*Creates a new PE image from image. The new image will be written to spaceSpaceRetImage is there is enough space. The new image will be like the old but with a section added to it. You can calculate the number of bytes you must allocate with: [sections\\_get\\_sizeof\\_image\\_after\\_add\\_section\(\)](#). The return value is a pointer on the first byte of the new section.*

- uint32\_t [sections\\_get\\_sizeof\\_image\\_after\\_add\\_section](#) (void \*oldImage, uint32\_t oldSz, uint32\_t addedSz)

*calculates the size, the image will have after adding a section*

- void \* [sections\\_by\\_name\\_enlarge](#) (void \*image, const char \*name, char \*bytes, uint32\_t bytesLen)

*enlarges a section and returns a pointer on the first byte of the new allocated space. If it fails it returns NULL.*

## 2.4.1 Detailed Description

This file contains functions for getting information concerning the section headers (e.g. [sections\\_by\\_name\\_is\\_writable\(\)](#) informs you whether the writable flag in a section header is set). An other type of function changes the values within the section headers (set functions like [sections\\_by\\_name\\_set\\_name\(\)](#) ) or may even add a new one. The functions which convert e.g. pointers to rva values where placed in this header too, because they need information from the section headers to calculate their return values.

## 2.4.2 Function Documentation

### 2.4.2.1 ptr\_to\_rva()

```
uint32_t ptr_to_rva (
    char * image,
    char * ptr )
```

makes a rva address from a pointer

#### Parameters

<i>image</i>	
<i>ptr</i>	

### 2.4.2.2 raw\_to\_rva()

```
uint32_t raw_to_rva (
    char * image,
    uint32_t raw )
```

returns a rva if you give it a raw offset

**Parameters**

<i>image</i>	
<i>raw</i>	

**2.4.2.3 rva\_to\_ptr()**

```
void* rva_to_ptr (
    void * image,
    uint32_t rva )
```

**Parameters**

<i>image</i>	
<i>rva</i>	

**2.4.2.4 rva\_to\_raw()**

```
uint32_t rva_to_raw (
    char * image,
    uint32_t rva )
```

you give it a 32bit rva and it returns the raw offset

**Parameters**

<i>image</i>	is the PE file.
<i>rva</i>	

**2.4.2.5 sections\_add\_section()**

```
void* sections_add_section (
    void * image,
    int imageSz,
    void * spaceRetImage,
    int spaceSz,
    const char * name,
    uint32_t size )
```

Creates a new PE image from image. The new image will be written to spaceSpaceRetImage is there is enough space. The new image will be like the old but with a section added to it. You can calculate the number of bytes you must allocate with: [sections\\_get\\_sizeof\\_image\\_after\\_add\\_section\(\)](#). The return value is a pointer on the first byte of the new section.



## Parameters

<i>image</i>	is the old pe image
<i>imageSz</i>	is the size of the old image in bytes
<i>spaceRetImage</i>	should point on an allocated space in memory
<i>spaceSz</i>	must contain the size in bytes of the memory spaceRetImage is pointing to.
<i>name</i>	is the name of the new section (not longer than 8 bytes)
<i>size</i>	is how big you want the new section to be (in bytes)

## 2.4.2.6 sections\_by\_index\_get\_sh()

```
IMAGE_SECTION_HEADER* sections_by_index_get_sh (
    void * image,
    int index )
```

returns a pointer on the IMAGE\_SECTION\_HEADER at the indexed position.

## Parameters

<i>image</i>	is a pointer on the PE file in memory.
<i>index</i>	starts with 0 and is 1 if you want the second section header.

## 2.4.2.7 sections\_by\_name\_enlarge()

```
void* sections_by_name_enlarge (
    void * image,
    const char * name,
    char * bytes,
    uint32_t bytesLen )
```

enlarges a section and returns a pointer on the first byte of the new allocated space. If it fails it returns NULL.

## Parameters

<i>image</i>	is the PE image
<i>name</i>	is the name of the section you want to enlarge
<i>bytes</i>	are the bytes you want to add to the section. It can be NULL.
<i>bytesLen</i>	is the size in bytes by which you want the section to be enlarged.

## 2.4.2.8 sections\_by\_name\_get\_characteristics()

```
uint32_t sections_by_name_get_characteristics (
```

```
void * image,  
const char * name )
```

returns the characteristics field of a section header.

#### Parameters

<i>image</i>	is like always the PE file.
<i>name</i>	is the section name.

#### 2.4.2.9 sections\_by\_name\_get\_index()

```
int sections_by_name_get_index (  
    void * image,  
    const char * name )
```

Tells you at which position the section header with the name xy lies.

#### Parameters

<i>image</i>	is the PE file.
<i>name</i>	is the name of the section (max 8 byte)

#### 2.4.2.10 sections\_by\_name\_get\_pointer\_to\_memory()

```
void* sections_by_name_get_pointer_to_memory (  
    void * image,  
    const char * name )
```

returns a pointer on the first byte of a section

#### Parameters

<i>image</i>	is the PE file.
<i>name</i>	is the section name.

#### 2.4.2.11 sections\_by\_name\_get\_sh()

```
IMAGE_SECTION_HEADER* sections_by_name_get_sh (  
    void * image,  
    const char * name )
```

like [sections\\_by\\_index\\_get\\_sh\(\)](#) but index is replaced by the section name.

## Parameters

<i>image</i>	is the PE file.
<i>name</i>	is a pointer on the section name. It should not exceed 8 bytes since the section names of PE files are not allowed to be longer than 8 bytes.

## 2.4.2.12 sections\_by\_name\_is\_executable()

```
int sections_by_name_is_executable (
    void * image,
    const char * name )
```

returns 1 if the section is executable and 0 if not.

## Parameters

<i>image</i>	is the PE file.
<i>name</i>	is the section name.

## 2.4.2.13 sections\_by\_name\_is\_readable()

```
int sections_by_name_is_readable (
    void * image,
    const char * name )
```

returns 1 if section is readable and 0 if not

## Parameters

<i>image</i>	is the PE file.
<i>name</i>	is the section name.

## 2.4.2.14 sections\_by\_name\_is\_writable()

```
int sections_by_name_is_writable (
    void * image,
    const char * name )
```

returns 1 if the section is writable and 0 if not

**Parameters**

<i>image</i>	is the PE file.
<i>name</i>	is the section name

**2.4.2.15 sections\_by\_name\_set\_characteristics()**

```
void sections_by_name_set_characteristics (
    void * image,
    const char * name,
    uint32_t characteristics )
```

sets the characteristics field of a section header.

**Parameters**

<i>image</i>	is the PE file.
<i>name</i>	is the name of the section
<i>characteristics</i>	is the value the characteristics filed should be changed to.

**2.4.2.16 sections\_by\_name\_set\_executable()**

```
void sections_by_name_set_executable (
    void * image,
    const char * name )
```

sets the executable flag in the section header

**Parameters**

<i>image</i>	
<i>name</i>	

**2.4.2.17 sections\_by\_name\_set\_name()**

```
void sections_by_name_set_name (
    void * image,
    const char * name,
    const char * replace )
```

replaces the section name with a section name of your choise (8 byte max)

## Parameters

<i>image</i>	is the PE file
<i>name</i>	is the section name you want to replace
<i>replace</i>	is the new section name

## 2.4.2.18 sections\_by\_name\_set\_readable()

```
void sections_by_name_set_readable (
    void * image,
    const char * name )
```

sets the readable flag in the section header

## Parameters

<i>image</i>	
<i>name</i>	

## 2.4.2.19 sections\_by\_name\_set\_writable()

```
void sections_by_name_set_writable (
    void * image,
    const char * name )
```

Sets the writable flag in the section header.

## Parameters

<i>image</i>	is the PE image
<i>name</i>	is the section name

## 2.4.2.20 sections\_get\_sizeof\_image\_after\_add\_section()

```
uint32_t sections_get_sizeof_image_after_add_section (
    void * oldImage,
    uint32_t oldSz,
    uint32_t addedSz )
```

calculates the size, the image will have after adding a section

**Parameters**

<i>oldImage</i>	is the PE image before adding a section
<i>oldSz</i>	is the size of the image, <i>oldImage</i> is pointing to
<i>addedSz</i>	is the size of the section you want to add.

# Index

[/home/x/git-repos/peter/src/exports.h](#), 3  
[/home/x/git-repos/peter/src/imports.h](#), 5  
[/home/x/git-repos/peter/src/peter.h](#), 8  
[/home/x/git-repos/peter/src/sections.h](#), 8

## exports.h

[exports\\_get\\_function\\_by\\_name](#), 4  
[exports\\_get\\_function\\_by\\_ordinal](#), 4  
[exports\\_get\\_name\\_by\\_index](#), 4  
[exports\\_get\\_ordinal\\_by\\_name](#), 4  
[exports\\_get\\_function\\_by\\_name](#)  
[exports.h](#), 4  
[exports\\_get\\_function\\_by\\_ordinal](#)  
[exports.h](#), 4  
[exports\\_get\\_name\\_by\\_index](#)  
[exports.h](#), 4  
[exports\\_get\\_ordinal\\_by\\_name](#)  
[exports.h](#), 4

## imports.h

[imports\\_by\\_index\\_get\\_iaddr\\_thunk\\_by\\_index](#), 6  
[imports\\_by\\_index\\_get\\_import\\_descriptor](#), 6  
[imports\\_by\\_index\\_get\\_iname\\_by\\_index](#), 6  
[imports\\_by\\_index\\_get\\_name](#), 7  
[imports\\_by\\_name\\_get\\_iname\\_index\\_by\\_name](#), 7  
[imports\\_by\\_name\\_get\\_index](#), 8  
[imports\\_by\\_index\\_get\\_iaddr\\_thunk\\_by\\_index](#)  
[imports.h](#), 6  
[imports\\_by\\_index\\_get\\_import\\_descriptor](#)  
[imports.h](#), 6  
[imports\\_by\\_index\\_get\\_iname\\_by\\_index](#)  
[imports.h](#), 6  
[imports\\_by\\_index\\_get\\_name](#)  
[imports.h](#), 7  
[imports\\_by\\_name\\_get\\_iname\\_index\\_by\\_name](#)  
[imports.h](#), 7  
[imports\\_by\\_name\\_get\\_index](#)  
[imports.h](#), 8

## ptr\_to\_rva

[sections.h](#), 10

## raw\_to\_rva

[sections.h](#), 10

## rva\_to\_ptr

[sections.h](#), 12

## rva\_to\_raw

[sections.h](#), 12

## sections.h

[ptr\\_to\\_rva](#), 10

[raw\\_to\\_rva](#), 10

[rva\\_to\\_ptr](#), 12

[rva\\_to\\_raw](#), 12

[sections\\_add\\_section](#), 12

[sections\\_by\\_index\\_get\\_sh](#), 13

[sections\\_by\\_name\\_enlarge](#), 13

[sections\\_by\\_name\\_get\\_characteristics](#), 13

[sections\\_by\\_name\\_get\\_index](#), 14

[sections\\_by\\_name\\_get\\_pointer\\_to\\_memory](#), 14

[sections\\_by\\_name\\_get\\_sh](#), 14

[sections\\_by\\_name\\_is\\_executable](#), 15

[sections\\_by\\_name\\_is\\_readable](#), 15

[sections\\_by\\_name\\_is\\_writable](#), 15

[sections\\_by\\_name\\_set\\_characteristics](#), 16

[sections\\_by\\_name\\_set\\_executable](#), 16

[sections\\_by\\_name\\_set\\_name](#), 16

[sections\\_by\\_name\\_set\\_readable](#), 17

[sections\\_by\\_name\\_set\\_writable](#), 17

[sections\\_get\\_sizeof\\_image\\_after\\_add\\_section](#), 17

## sections\_add\_section

[sections.h](#), 12

## sections\_by\_index\_get\_sh

[sections.h](#), 13

## sections\_by\_name\_enlarge

[sections.h](#), 13

## sections\_by\_name\_get\_characteristics

[sections.h](#), 13

## sections\_by\_name\_get\_index

[sections.h](#), 14

## sections\_by\_name\_get\_pointer\_to\_memory

[sections.h](#), 14

## sections\_by\_name\_get\_sh

[sections.h](#), 14

## sections\_by\_name\_is\_executable

[sections.h](#), 15

## sections\_by\_name\_is\_readable

[sections.h](#), 15

## sections\_by\_name\_is\_writable

[sections.h](#), 15

## sections\_by\_name\_set\_characteristics

[sections.h](#), 16

## sections\_by\_name\_set\_executable

[sections.h](#), 16

## sections\_by\_name\_set\_name

[sections.h](#), 16

## sections\_by\_name\_set\_readable

[sections.h](#), 17

## sections\_by\_name\_set\_writable

[sections.h](#), 17

sections\_get\_sizeof\_image\_after\_add\_section  
sections.h, [17](#)