

## doxygen\_c.h File Reference

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File containing example of doxygen usage for quick reference. [More...](#)

```
#include <systemheader1.h>
#include <systemheader2.h>
#include <box/header1.h>
#include <box/header2.h>
#include "local_header1.h"
#include "local_header2.h"
```

[Go to the source code of this file.](#)

## Classes

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struct **BoxStruct\_struct**

Use brief, otherwise the index won't have a brief explanation. [More...](#)

---

## Typedefs

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typedef enum **BoxEnum\_enum** **BoxEnum**

Use brief, otherwise the index won't have a brief explanation.

---

typedef struct **BoxStruct\_struct** **BoxStruct**

Use brief, otherwise the index won't have a brief explanation.

---

## Enumerations

---

enum **BoxEnum\_enum** { **BOXENUM\_FIRST**, **BOXENUM\_SECOND**, **BOXENUM\_ETC** }

Use brief, otherwise the index won't have a brief explanation. [More...](#)

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## Functions

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BOXEXPORT **BoxStruct** \* **Box\_The\_Function\_Name** (BoxParamType1 param1, BoxParamType2 param2)

Example showing how to document a function with Doxygen.

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BOXEXPORT void \* **Box\_The\_Second\_Function** (void)

A simple stub function to show how links do work.

---

BOXEXPORT void **Box\_The\_Last\_One** (void)

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## Detailed Description

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File containing example of doxygen usage for quick reference.

### Author

My Self

### Date

9 Sep 2012 Here typically goes a more extensive explanation of what the header defines. Doxygens tags

are words preceeded by either a backslash \ or by an at symbol @.

### See Also

<http://www.stack.nl/~dimitri/doxygen/docblocks.html>

<http://www.stack.nl/~dimitri/doxygen/commands.html>

## Typedef Documentation

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### **typedef enum** `BoxEnum_enum` `BoxEnum`

Use brief, otherwise the index won't have a brief explanation.

Detailed explanation.

### **typedef struct** `BoxStruct_struct` `BoxStruct`

Use brief, otherwise the index won't have a brief explanation.

Detailed explanation.

## Enumeration Type Documentation

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### **enum** `BoxEnum_enum`

Use brief, otherwise the index won't have a brief explanation.

Detailed explanation.

#### **Enumerator:**

`BOXENUM_FIRST`      Some documentation for first.

`BOXENUM_SECOND`    Some documentation for second.

`BOXENUM_ETC`        Etc.

## Function Documentation

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```
BOXEXPORT BoxStruct* Box_The_Function_Name ( BoxParamType1 param1,  
                                              BoxParamType2 param2  
                                              )
```

Example showing how to document a function with Doxygen.

Description of what the function does. This part may refer to the parameters of the function, like `param1` or `param2`. A word of code can also be inserted like `this` which is equivalent to `this` and can be useful to say that the function returns a `void` or an `int`. If you want to have more than one word in typewriter font, then just use `<tt>`. We can also include text verbatim,

```
like this
```

Sometimes it is also convenient to include an example of usage:

```
BoxStruct *out = Box_The_Function_Name(param1, param2);  
printf("something...\n");
```

Or,

```
1 | pyval = python_func(arg1, arg2)  
2 | print pyval
```

when the language is not the one used in the current source file (but **be careful** as this may be supported only by recent versions of Doxygen). By the way, **this is how you write bold text** or, if it is just one word, then you can just do **this**.

### Parameters

**param1** Description of the first parameter of the function.

**param2** The second one, which follows `param1`.

### Returns

Describe what the function returns.

### See Also

[Box\\_The\\_Second\\_Function](#)

[Box\\_The\\_Last\\_One](#)

<http://website/>

### Note

Something to note.

### Warning

Warning.

**BOXEXPORT void Box\_The\_Last\_One ( void )**

Brief can be omitted. If you configure Doxygen with `JAVADOC_AUTOBRIEF=YES`, then the first Line of the comment is used instead. In this function this would be as if

```
@brief Brief can be omitted.
```

was used instead.

**BOXEXPORT void\* Box\_The\_Second\_Function ( void )**

A simple stub function to show how links do work.

Links are generated automatically for webpages (like <http://www.google.co.uk>) and for structures, like [BoxStruct\\_struct](#). For typedef-ed types use [BoxStruct](#). For functions, automatic links are generated when the parenthesis () follow the name of the function, like [Box\\_The\\_Function\\_Name\(\)](#). Alternatively, you can use [Box\\_The\\_Function\\_Name](#).

**Returns**

NULL is always returned.