

CerIDS

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Contents

1	Data Structure Index	1
1.1	Data Structures	1
2	File Index	3
2.1	File List	3
3	Data Structure Documentation	5
3.1	Options Struct Reference	5
3.1.1	Detailed Description	5
4	File Documentation	7
4.1	src/config.c File Reference	7
4.1.1	Detailed Description	7
4.1.2	Function Documentation	7
4.1.2.1	getConf	7
4.1.2.2	getConfByArgs	7
4.1.2.3	getConfByFile	8
4.1.2.4	getWhiteList	8
4.1.2.5	rulesCount	8
4.2	src/config.h File Reference	8
4.2.1	Detailed Description	9
4.2.2	Function Documentation	9
4.2.2.1	getConf	9
4.2.2.2	getConfByArgs	9
4.2.2.3	getConfByFile	9
4.2.2.4	rulesCount	10
	Index	11

Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

Options	
Configuration options	5

Chapter 2

File Index

2.1 File List

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

src/ config.c	
Load configuration and whitelist	7
src/ config.h	
Header file for configuration module	8

Chapter 3

Data Structure Documentation

3.1 Options Struct Reference

Configuration options.

```
#include <config.h>
```

Data Fields

- char * **dev**
- char * **filename**
- int **port**
- bool **live**

3.1.1 Detailed Description

Configuration options.

The documentation for this struct was generated from the following file:

- src/[config.h](#)

Chapter 4

File Documentation

4.1 src/config.c File Reference

Load configuration and whitelist.

```
#include <config.h>
```

Functions

- int [getConfig](#) (int argc, char *argv[], [Options](#) *options)
- int [getConfigByArgs](#) (int argc, char *argv[], [Options](#) *options)
- int [getConfigByFile](#) ([Options](#) *options)
- char ** [getWhiteList](#) ()
- int [rulesCount](#) ()

4.1.1 Detailed Description

Load configuration and whitelist.

4.1.2 Function Documentation

4.1.2.1 int [getConfig](#) (int *argc*, char * *argv*[], [Options](#) * *options*)

Parameters

<i>argc</i>	
<i>argv</i>	
<i>options</i>	{ Pointer to an options structure }

Returns

0 if ok, other integer if not

4.1.2.2 int [getConfigByArgs](#) (int *argc*, char * *argv*[], [Options](#) * *options*)

Parameters

<i>argc</i>	
<i>argv</i>	{ Pointer to an options structure }

Returns

0 if ok, other integer if not

4.1.2.3 int getConfigByFile (Options * options)**Parameters**

<i>options</i>	{ Pointer to an options structure }
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Returns

0 if ok, other integer if not

4.1.2.4 char getWhiteList ()****Returns**

An array of strings containing all regex from the whitelist

4.1.2.5 int rulesCount ()**Returns**

Number of lines in the whitelist

4.2 src/config.h File Reference

Header file for configuration module.

```
#include <stdio.h>
#include <stdlib.h>
#include <stdbool.h>
#include <unistd.h>
#include <string.h>
```

Data Structures

- struct [Options](#)
Configuration options.

Macros

- #define [CONF_FILE](#) "../conf/cerids.conf"
Configuration file path.
- #define [WHITELIST_FILE](#) "../conf/whitelist.txt"

- Whitelist file path.*
- #define `BUFFER_LENGTH` 1000
Buffer max length.
- #define `OPT_NAME_LENGTH` 20
optName max length
- #define `OPT_VALUE_LENGTH` 100
optValue max length

Functions

- int `getConf` (int argc, char *argv[], `Options` *options)
- int `getConfByArgs` (int argc, char *argv[], `Options` *options)
- `Options` `getConfByFile` (`Options` *options)
- char ** `getWhitelist` ()
- int `rulesCount` ()

4.2.1 Detailed Description

Header file for configuration module.

Version

0.1

4.2.2 Function Documentation

4.2.2.1 int `getConf` (int *argc*, char * *argv*[], `Options` * *options*)

Parameters

<i>argc</i>	
<i>argv</i>	
<i>options</i>	{ Pointer to an options structure }

Returns

0 if ok, other integer if not

4.2.2.2 int `getConfByArgs` (int *argc*, char * *argv*[], `Options` * *options*)

Parameters

<i>argc</i>	
<i>argv</i>	{ Pointer to an options structure }

Returns

0 if ok, other integer if not

4.2.2.3 `Options` `getConfByFile` (`Options` * *options*)

Parameters

<i>options</i>	{ Pointer to an options structure }
----------------	-------------------------------------

Returns

0 if ok, other integer if not

4.2.2.4 int rulesCount ()**Returns**

Number of lines in the whitelist

Index

- config.c
 - [getConf](#), [7](#)
 - [getConfByArgs](#), [7](#)
 - [getConfByFile](#), [8](#)
 - [getWhiteList](#), [8](#)
 - [rulesCount](#), [8](#)
- config.h
 - [getConf](#), [9](#)
 - [getConfByArgs](#), [9](#)
 - [getConfByFile](#), [9](#)
 - [rulesCount](#), [10](#)
- getConf
 - [config.c](#), [7](#)
 - [config.h](#), [9](#)
- getConfByArgs
 - [config.c](#), [7](#)
 - [config.h](#), [9](#)
- getConfByFile
 - [config.c](#), [8](#)
 - [config.h](#), [9](#)
- getWhiteList
 - [config.c](#), [8](#)
- Options, [5](#)
- rulesCount
 - [config.c](#), [8](#)
 - [config.h](#), [10](#)
- src/config.c, [7](#)
- src/config.h, [8](#)