

RudkevichAntonGerasimovich

Generated by Doxygen 1.9.8



# Chapter 1

## readme

```
./main -f base.txt -p 33333 -e error.txt
```



## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

[server](#)

Main file Rudkevich Anton Gerasimovich contain class server . . . . . ??



## Chapter 3

# File Index

### 3.1 File List

Here is a list of all files with brief descriptions:

E:/Users/1/Desktop/Anton_cpp/server-main/ <a href="#">main.cpp</a>	??
E:/Users/1/Desktop/Anton_cpp/server-main/ <a href="#">mdfile.cpp</a>	??
E:/Users/1/Desktop/Anton_cpp/server-main/ <a href="#">mdfile.h</a>	??
E:/Users/1/Desktop/Anton_cpp/server-main/ <a href="#">server.cpp</a>	??
E:/Users/1/Desktop/Anton_cpp/server-main/ <a href="#">UnitTest.cpp</a>	??





## Chapter 4

# Class Documentation

### 4.1 server Class Reference

main file Rudkevich Anton Gerasimovich contain class server

#### Public Member Functions

- [server](#) (int vport, std::string verror, std::string vfile\_error, std::string vfile\_name)
- int [exchange](#) ()

#### Public Attributes

- int [port](#)
- std::string [error](#)
- std::string [file\\_error](#)
- std::string [file\\_name](#)

#### 4.1.1 Detailed Description

main file Rudkevich Anton Gerasimovich contain class server

#### 4.1.2 Constructor & Destructor Documentation

##### 4.1.2.1 server()

```
server::server (
    int vport,
    std::string verror,
    std::string vfile_error,
    std::string vfile_name ) [inline]
```

## 4.1.3 Member Function Documentation

### 4.1.3.1 exchange()

```
int server::exchange ( ) [inline]
```

## 4.1.4 Member Data Documentation

### 4.1.4.1 error

```
std::string server::error
```

### 4.1.4.2 file\_error

```
std::string server::file_error
```

### 4.1.4.3 file\_name

```
std::string server::file_name
```

### 4.1.4.4 port

```
int server::port
```

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

- E:/Users/1/Desktop/Anton\_cpp/server-main/[server.cpp](#)

## Chapter 5

# File Documentation

### 5.1 E:/Users/1/Desktop/Anton\_cpp/server-main/main.cpp File Reference

```
#include "mdfile.h"
#include <cfloat>
#include <iomanip>
```

#### Functions

- int [main](#) (int argc, char \*argv[])

*main file Rudkevich Anton Gerasimovich Server avaluate sum of squares. Overflow protection exist.*

#### 5.1.1 Function Documentation

##### 5.1.1.1 main()

```
int main (
    int argc,
    char * argv[] )
```

main file Rudkevich Anton Gerasimovich Server avaluate sum of squares. Overflow protection exist.

### 5.2 E:/Users/1/Desktop/Anton\_cpp/server-main/mdfile.cpp File Reference

```
#include "mdfile.h"
```

## Functions

- `std::string MD` (`std::string sah`)
- `void errors` (`std::string error`, `std::string name`)
- `int er` (`std::string file_name`, `std::string file_error`)

## 5.2.1 Function Documentation

### 5.2.1.1 `er()`

```
int er (
    std::string file_name,
    std::string file_error )
```

### 5.2.1.2 `errors()`

```
void errors (
    std::string error,
    std::string name )
```

### 5.2.1.3 `MD()`

```
std::string MD (
    std::string sah )
```

## 5.3 `E:/Users/1/Desktop/Anton_cpp/server-main/mdfile.h` File Reference

```
#include <netinet/in.h>
#include <iostream>
#include <cassert>
#include <arpa/inet.h>
#include <cstdlib>
#include <unistd.h>
#include <ctime>
#include <fstream>
#include <sstream>
#include <string>
#include <cryptopp/cryptlib.h>
#include <vector>
#include <getopt.h>
#include <cryptopp/hex.h>
#include <cryptopp/md5.h>
```

## Macros

- `#define CRYPTOPP_ENABLE_NAMESPACE_WEAK 1`  
*Header file with libraries.*

## Functions

- std::string [MD](#) (std::string sah)
- void [errors](#) (std::string error, std::string name)
- int [er](#) (std::string file\_name, std::string file\_error)

## 5.3.1 Macro Definition Documentation

### 5.3.1.1 CRYPTOPP\_ENABLE\_NAMESPACE\_WEAK

```
#define CRYPTOPP_ENABLE_NAMESPACE_WEAK 1
```

Header file with libraries.

## 5.3.2 Function Documentation

### 5.3.2.1 er()

```
int er (
    std::string file_name,
    std::string file_error )
```

### 5.3.2.2 errors()

```
void errors (
    std::string error,
    std::string name )
```

### 5.3.2.3 MD()

```
std::string MD (
    std::string sah )
```

## 5.4 mdfile.h

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

```
00001
00004 #include <netinet/in.h>
00005 #include <iostream>
00006 #include <cassert>
00007 #include <arpa/inet.h>
00008 #include <cstdlib>
00009 #include <unistd.h>
00010 #include <ctime>
00011 #include <fstream>
00012 #include <sstream>
00013 #include <string>
00014 #include <cryptopp/cryptlib.h>
00015 #include <iostream>
00016 #include <vector>
00017 #include <getopt.h>
00018 #include <cryptopp/hex.h> // HexEncoder
00019 #define CRYPTOPP_ENABLE_NAMESPACE_WEAK 1
00020 using namespace CryptoPP;
00021 #include <cryptopp/md5.h> // MD5, for another algorithm - another header file
00022 std::string MD(std::string sah);
00023 void errors(std::string error, std::string name);
00024 int er(std::string file_name, std::string file_error);
```

## 5.5 E:/Users/1/Desktop/Anton\_cpp/server-main/readme.md File Reference

## 5.6 E:/Users/1/Desktop/Anton\_cpp/server-main/server.cpp File Reference

```
#include "mdfile.h"
#include <cfloat>
#include <iomanip>
```

### Classes

- class [server](#)  
*main file Rudkevich Anton Gerasimovich contain class server*

### Functions

- int [main](#) (int argc, char \*argv[])

### 5.6.1 Function Documentation

#### 5.6.1.1 main()

```
int main (
    int argc,
    char * argv[] )
```

## 5.7 E:/Users/1/Desktop/Anton\_cpp/server-main/UnitTest.cpp File Reference

```
#include "mdfile.h"
```

### Functions

- void [test](#) ()
- int [main](#) ()

### 5.7.1 Function Documentation

#### 5.7.1.1 main()

```
int main ( )
```

#### 5.7.1.2 test()

```
void test ( )
```