

My Project

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Cipher	??
std::invalid_argument	
cipher_error	??

Chapter 2

Class Index

2.1 Class List

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

Cipher	??
cipher_error	??

Chapter 3

File Index

3.1 File List

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

Cipher.h	
Cipher ??

Chapter 4

Class Documentation

4.1 Cipher Class Reference

.

```
#include <Cipher.h>
```

Public Member Functions

- [Cipher](#) ()=delete
- [Cipher](#) (int w)
- wstring [zakodirovat](#) ([Cipher](#) w, wstring &s)
- wstring [raskodirovat](#) ([Cipher](#) w, wstring &s)

4.1.1 Detailed Description

.

4.1.2 Constructor & Destructor Documentation

4.1.2.1 Cipher()

```
Cipher::Cipher (  
    int w )
```

Parameters

--	--

4.1.3 Member Function Documentation

4.1.3.1 raskodirovat()

```
wstring Cipher::raskodirovat (
    Cipher w,
    wstring & s )
```

Parameters

	"Cipher",
--	-----------

```
.
if (s.size()%w.k!=0) {
    h=s.size()/w.k+1;
} else {
    h=s.size()/w.k;
}

"wchar_t" , = "Cipher".
wchar_t a[h][w.k];
for (int i=0; i<w.k; i++) {
    for (int j=0; j<h; j++) {
        a[j][i]=s[k];
        k++;
    }
}
```

Parameters

wstring	
---------	--

```
for (int i=0; i<h; i++) {
    for (int j=0; j<w.k; j++) {
        decode+=a[i][j];
    }
}
```

Returns

"wstring"

4.1.3.2 zakodirovat()

```
wstring Cipher::zakodirovat (
    Cipher w,
    wstring & s )
```

Parameters

	"Cipher",
<i>wstring</i>	

```
.
if (s.size()%w.k!=0) {
    h=s.size()/w.k+1;
} else {
    h=s.size()/w.k;
} // .
```

```
"wchar_t" , = "Cipher".
wchar_t a[h][w.k];
```

```
.
for (int i=0; i<h; i++) {
    for (int j=0; j<w.k; j++) {
        if (k<s.size()) {
            a[i][j]=s[k];
            k++;
        } else a[i][j]=' ';
    }
}
for (int i=0; i<w.k; i++) {
    for (int j=0; j<h; j++) {
        code+=a[j][i];
    }
}
```

Returns

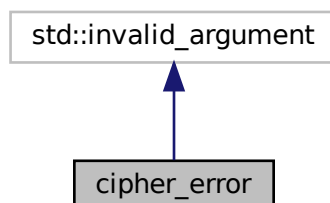
"wstring"

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

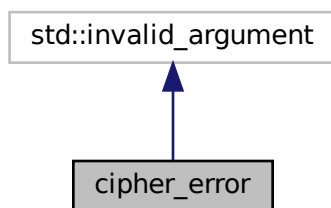
- [Cipher.h](#)

4.2 cipher_error Class Reference

Inheritance diagram for cipher_error:



Collaboration diagram for cipher_error:



Public Member Functions

- `cipher_error` (const std::string &what_arg)
- `cipher_error` (const char *what_arg)

4.2.1 Detailed Description

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

- [Cipher.h](#)

Chapter 5

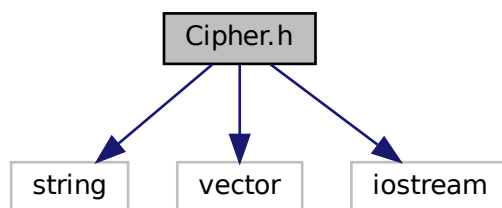
File Documentation

5.1 Cipher.h File Reference

[Cipher.](#)

```
#include <string>
#include <vector>
#include <iostream>
```

Include dependency graph for Cipher.h:



Classes

- class [Cipher](#)
- class [cipher_error](#)

5.1.1 Detailed Description

[Cipher.](#)

Author

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1.0

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