DomotlcApp

0.1

Generated by Doxygen 1.8.11

Contents

1	Mair	n page		1
	1.1	Introdu	oction	1
	1.2	Généra	ation de la dll	1
		1.2.1	Step 1: ouvrir le projet	1
		1.2.2	Step 2: si windows, ajouter la librairie libwsock32.a au projet	1
		1.2.3	Step 3: run pour générer la dll	1
	1.3	Utilisat	ion de la dll	1
		1.3.1	Step 1: ouvrir un projet	1
		1.3.2	Step 2: si windows, ajouter la librairie libwsock32.a au projet	1
		1.3.3	Step 2: ajouter le RequeteHttp.lib généré avec la dll dans le projet	1
		1.3.4	Step 3: importer requeteHttp.h de ce projet	1
2	Nam	espace	Index	3
	2.1	Names	space List	3
3	Clas	s Index		5
	3.1	Class I	List	5
4	File	Index		7
	4.1	File Lis	st	7

iv CONTENTS

5	Nam	espace	Documer	ntation	9
	5.1	happyh	nttp Names	space Reference	9
		5.1.1	Detailed	Description	10
		5.1.2	Typedef [Documentation	10
			5.1.2.1	ResponseBegin_CB	10
			5.1.2.2	ResponseComplete_CB	10
			5.1.2.3	ResponseData_CB	10
		5.1.3	Enumera	tion Type Documentation	10
			5.1.3.1	anonymous enum	10
		5.1.4	Function	Documentation	11
			5.1.4.1	atoaddr(const char *address)	11
			5.1.4.2	BailOnSocketError(const char *context)	11
			5.1.4.3	datawaiting(int sock)	11
6	Clas	s Docui	mentation		13
	6.1	happyh	nttp::Conne	ection Class Reference	13
		6.1.1	Construc	tor & Destructor Documentation	14
			6.1.1.1	Connection(const char *host, int port)	14
			6.1.1.2	~Connection()	14
		6.1.2	Member	Function Documentation	14
			6.1.2.1	close()	14
			6.1.2.2	connect()	14
			6.1.2.3	endheaders()	14
			6.1.2.4	outstanding() const	14
			6.1.2.5	pump()	14
			6.1.2.6	putheader(const char *header, const char *value)	14
			6.1.2.7	putheader(const char *header, int numericvalue)	14
			6.1.2.8	putrequest(const char *method, const char *url)	14
			6.1.2.9	request(const char *method, const char *url, const char *headers[]=0, const unsigned char *body=0, int bodysize=0)	14
			6.1.2.10	send(const unsigned char *buf, int numbytes)	14

CONTENTS

		6.1.2.11	setcallbacks(ResponseBegin_CB begincb, ResponseData_CB datacb, Response ← Complete_CB completecb, void *userdata)	14
	6.1.3	Friends A	And Related Function Documentation	14
		6.1.3.1	Response	14
	6.1.4	Member	Data Documentation	14
		6.1.4.1	m_ResponseBeginCB	14
		6.1.4.2	m_ResponseCompleteCB	14
		6.1.4.3	m_ResponseDataCB	14
		6.1.4.4	m_UserData	14
6.2	Reque	te Class R	eference	15
	6.2.1	Detailed	Description	15
	6.2.2	Construc	tor & Destructor Documentation	15
		6.2.2.1	Requete(char *)	15
		6.2.2.2	Requete()	15
		6.2.2.3	~Requete()	15
	6.2.3	Member	Function Documentation	15
		6.2.3.1	envoyerRequete(char *s1, char *s2)	15
		6.2.3.2	Getadresse()	15
		6.2.3.3	Setadresse(char *val)	15
6.3	happyl	nttp::Respo	onse Class Reference	16
	6.3.1	Construc	tor & Destructor Documentation	16
		6.3.1.1	Response(const char *method, Connection &conn)	16
	6.3.2	Member	Function Documentation	16
		6.3.2.1	completed() const	16
		6.3.2.2	getheader(const char *name) const	16
		6.3.2.3	getreason() const	16
		6.3.2.4	getstatus() const	16
		6.3.2.5	notifyconnectionclosed()	16
		6.3.2.6	pump(const unsigned char *data, int datasize)	16
		6.3.2.7	willclose() const	16
	6.3.3	Friends A	And Related Function Documentation	16
		6.3.3.1	Connection	16
6.4	happyh	nttp::Wobb	ly Class Reference	17
	6.4.1	Member	Enumeration Documentation	17
		6.4.1.1	anonymous enum	17
	6.4.2	Construc	tor & Destructor Documentation	17
		6.4.2.1	Wobbly(const char *fmt,)	17
	6.4.3	Member	Function Documentation	17
		6.4.3.1	what() const	17
	6.4.4	Member	Data Documentation	17
		6.4.4.1	m_Message	17

vi

7	File	Docum	entation		19
	7.1	dll/bas	e64.cpp Fi	ile Reference	19
		7.1.1	Function	Documentation	19
			7.1.1.1	base64_decode(std::string const &encoded_string)	19
			7.1.1.2	base64_encode(unsigned char const *bytes_to_encode, unsigned int in_len)	19
	7.2	dll/bas	e64.h File	Reference	20
		7.2.1	Detailed	Description	20
		7.2.2	Function	Documentation	20
			7.2.2.1	base64_decode(std::string const &s)	20
			7.2.2.2	base64_encode(unsigned char const *, unsigned int len)	20
	7.3	dll/hap	pyhttp.cpp	File Reference	21
		7.3.1	Macro De	efinition Documentation	22
			7.3.1.1	_stricmp	22
	7.4	dll/hap	pyhttp.h Fi	le Reference	22
		7.4.1	Detailed	Description	23
	7.5	dll/mai	n.cpp File	Reference	23
		7.5.1	Function	Documentation	23
			7.5.1.1	main(int argc, char *argv[])	23
	7.6	dll/mai	n.h File Re	eference	24
		7.6.1	Macro De	efinition Documentation	24
			7.6.1.1	DLL_EXPORT	24
		7.6.2	Function	Documentation	24
			7.6.2.1	SomeFunction(const LPCSTR sometext)	24
	7.7	dll/Red	quete.cpp F	File Reference	24
		7.7.1	Function	Documentation	25
			7.7.1.1	OnBegin(const happyhttp::Response *r, void *userdata)	25
			7.7.1.2	OnComplete(const happyhttp::Response *r, void *userdata)	25
			7.7.1.3	OnData(const happyhttp::Response *r, void *userdata, const unsigned char *data, int n)	25
		7.7.2	Variable	Documentation	25
			7.7.2.1	count	25

CONTENTS vii

dll/Req	uete.h File	Reference	25
7.8.1	Detailed [Description	25
7.8.2	Macro De	efinition Documentation	26
	7.8.2.1	REQUETE_H	26
dll/Req	ueteHttp.c _l	pp File Reference	26
7.9.1	Macro De	efinition Documentation	26
	7.9.1.1	DIIExport	26
7.9.2	Function	Documentation	26
	7.9.2.1	requeteHttpFibaro(char *s1, char *s2, char *user, char *pass)	26
	7.9.2.2	requeteHttpKira(char *s1, char *s2)	26
dll/Req	ueteHttp.h	File Reference	27
7.10.1	Detailed [Description	27
7.10.2	Macro De	efinition Documentation	27
	7.10.2.1	DIIImport	27
7.10.3	Function	Documentation	27
	7.10.3.1	requeteHttpFibaro(char *s1, char *s2, char *user, char *pass)	27
	7.10.3.2	requeteHttpKira(char *s1, char *s2)	28
			29
	7.8.1 7.8.2 dll/Req 7.9.1 7.9.2 dll/Req 7.10.1 7.10.2	7.8.1 Detailed I 7.8.2 Macro De 7.8.2.1 dll/RequeteHttp.c 7.9.1 Macro De 7.9.1.1 7.9.2 Function 7.9.2.1 7.9.2.2 dll/RequeteHttp.h 7.10.1 Detailed I 7.10.2 Macro De 7.10.2.1 7.10.3 Function 7.10.3.1	7.8.2 Macro Definition Documentation 7.8.2.1 REQUETE_H dll/RequeteHttp.cpp File Reference 7.9.1 Macro Definition Documentation 7.9.1.1 DllExport 7.9.2 Function Documentation 7.9.2.1 requeteHttpFibaro(char *s1, char *s2, char *user, char *pass) 7.9.2.2 requeteHttpKira(char *s1, char *s2) dll/RequeteHttp.h File Reference 7.10.1 Detailed Description 7.10.2 Macro Definition Documentation 7.10.2.1 DllImport 7.10.3 Function Documentation

Chapter 1

Main page

1.1 Introduction

Ceci est la documentation de la DLL utilisée lors du projet MyDomotik en lien avec l'INSA et Ergovie réalisée par Corentin Chatellier. Cette DLL est directement importée et utilisée dans le modèle de l'application

1.2 Génération de la dll

- 1.2.1 Step 1: ouvrir le projet
- 1.2.2 Step 2: si windows, ajouter la librairie libwsock32.a au projet
- 1.2.3 Step 3: run pour générer la dll
- 1.3 Utilisation de la dll
- 1.3.1 Step 1: ouvrir un projet
- 1.3.2 Step 2: si windows, ajouter la librairie libwsock32.a au projet
- 1.3.3 Step 2: ajouter le RequeteHttp.lib généré avec la dll dans le projet
- 1.3.4 Step 3: importer requeteHttp.h de ce projet

2 Main page

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all namespaces with brief descriptions:

happyhttp

Faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP 9

4 Namespace Index

Chapter 3

Class Index

3.1 Class List

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

nappynttp::Connection	13
Requete	
Classe a utilisée par la fonction void DllImport requeteHttpKira(char* s1, char* s2);	15
happyhttp::Response	16
happyhttp::Wobbly	17

6 Class Index

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

II/base64.cpp	9
Encoder une chaine de caractères en base64 ou decoder du base64 vers une chaine de carac-	
tères	0
II/happyhttp.cpp	1
II/happyhttp.h	
Faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP 2	2
II/main.cpp	23
II/main.h	4
II/Requete.cpp	4
II/Requete.h	
Classe Requete	5
II/RequeteHttp.cpp	6
II/RequeteHttp.h	
Fonctions utilisables avec la DLL	7

8 File Index

Chapter 5

Namespace Documentation

5.1 happyhttp Namespace Reference

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

Classes

- class Connection
- class Response
- · class Wobbly

Typedefs

- typedef void(* ResponseBegin CB) (const Response *r, void *userdata)
- typedef void(* ResponseData_CB) (const Response *r, void *userdata, const unsigned char *data, int numbytes)
- typedef void(* ResponseComplete CB) (const Response *r, void *userdata)

Enumerations

```
• enum {
 CONTINUE = 100, SWITCHING PROTOCOLS = 101, PROCESSING = 102, OK = 200,
 CREATED = 201, ACCEPTED = 202, NON AUTHORITATIVE INFORMATION = 203, NO CONTENT =
 RESET CONTENT = 205, PARTIAL CONTENT = 206, MULTI STATUS = 207, IM USED = 226,
 MULTIPLE CHOICES = 300, MOVED PERMANENTLY = 301, FOUND = 302, SEE OTHER = 303,
 NOT_MODIFIED = 304, USE_PROXY = 305, TEMPORARY_REDIRECT = 307, BAD_REQUEST = 400,
 UNAUTHORIZED = 401, PAYMENT_REQUIRED = 402, FORBIDDEN = 403, NOT_FOUND = 404,
 METHOD_NOT_ALLOWED = 405, NOT_ACCEPTABLE = 406, PROXY_AUTHENTICATION_REQUIRED =
 407, REQUEST TIMEOUT = 408,
 CONFLICT = 409, GONE = 410, LENGTH_REQUIRED = 411, PRECONDITION_FAILED = 412,
 REQUEST_ENTITY_TOO_LARGE = 413, REQUEST_URI_TOO_LONG = 414, UNSUPPORTED_MEDIA↔
  TYPE = 415, REQUESTED RANGE NOT SATISFIABLE = 416,
 EXPECTATION_FAILED = 417, UNPROCESSABLE_ENTITY = 422, LOCKED = 423, FAILED_DEPEND ←
 ENCY = 424,
 UPGRADE REQUIRED = 426, INTERNAL SERVER ERROR = 500, NOT IMPLEMENTED = 501, BAD↔
  GATEWAY = 502,
 SERVICE UNAVAILABLE = 503, GATEWAY TIMEOUT = 504, HTTP VERSION NOT SUPPORTED =
 505, INSUFFICIENT_STORAGE = 507,
 NOT_EXTENDED = 510 }
```

Functions

- void BailOnSocketError (const char *context)
- bool datawaiting (int sock)
- struct in_addr * atoaddr (const char *address)

5.1.1 Detailed Description

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

5.1.2 Typedef Documentation

- 5.1.2.1 typedef void(* happyhttp::ResponseBegin_CB) (const Response *r, void *userdata)
- 5.1.2.2 typedef void(* happyhttp::ResponseComplete_CB) (const Response *r, void *userdata)
- 5.1.2.3 typedef void(* happyhttp::ResponseData_CB) (const Response *r, void *userdata, const unsigned char *data, int numbytes)

5.1.3 Enumeration Type Documentation

5.1.3.1 anonymous enum

Enumerator

CONTINUE

SWITCHING_PROTOCOLS

PROCESSING

ОК

CREATED

ACCEPTED

NON_AUTHORITATIVE_INFORMATION

NO_CONTENT

RESET_CONTENT

PARTIAL_CONTENT

MULTI_STATUS

IM_USED

MULTIPLE_CHOICES

MOVED_PERMANENTLY

FOUND

SEE_OTHER

NOT_MODIFIED

USE_PROXY

TEMPORARY_REDIRECT

BAD_REQUEST

UNAUTHORIZED

PAYMENT_REQUIRED

FORBIDDEN

NOT_FOUND

METHOD_NOT_ALLOWED

NOT_ACCEPTABLE

PROXY_AUTHENTICATION_REQUIRED

REQUEST_TIMEOUT

CONFLICT

GONE

LENGTH_REQUIRED

PRECONDITION_FAILED

REQUEST_ENTITY_TOO_LARGE

REQUEST URI TOO LONG

UNSUPPORTED_MEDIA_TYPE

REQUESTED_RANGE_NOT_SATISFIABLE

EXPECTATION_FAILED

UNPROCESSABLE_ENTITY

LOCKED

FAILED_DEPENDENCY

UPGRADE_REQUIRED

INTERNAL_SERVER_ERROR

NOT_IMPLEMENTED

BAD_GATEWAY

SERVICE_UNAVAILABLE

GATEWAY_TIMEOUT

HTTP_VERSION_NOT_SUPPORTED

INSUFFICIENT_STORAGE

NOT_EXTENDED

5.1.4 Function Documentation

- 5.1.4.1 struct in_addr * happyhttp::atoaddr (const char * address)
- 5.1.4.2 void happyhttp::BailOnSocketError (const char * context)
- 5.1.4.3 bool happyhttp::datawaiting (int sock)

Chapter 6

Class Documentation

6.1 happyhttp::Connection Class Reference

```
#include <happyhttp.h>
```

Public Member Functions

- Connection (const char *host, int port)
- ∼Connection ()
- void setcallbacks (ResponseBegin_CB begincb, ResponseData_CB datacb, ResponseComplete_CB completecb, void *userdata)
- void connect ()
- void close ()
- void pump ()
- bool outstanding () const
- void request (const char *method, const char *url, const char *headers[]=0, const unsigned char *body=0, int bodysize=0)
- void putrequest (const char *method, const char *url)
- void putheader (const char *header, const char *value)
- void putheader (const char *header, int numericvalue)
- · void endheaders ()
- void send (const unsigned char *buf, int numbytes)

Protected Attributes

- ResponseBegin_CB m_ResponseBeginCB
- ResponseData_CB m_ResponseDataCB
- ResponseComplete_CB m_ResponseCompleteCB
- void * m UserData

Friends

• class Response

14 Class Documentation

```
Constructor & Destructor Documentation
6.1.1
       happyhttp::Connection::Connection ( const char * host, int port )
6.1.1.1
6.1.1.2
       happyhttp::Connection::~Connection ( )
6.1.2
       Member Function Documentation
6.1.2.1
       void happyhttp::Connection::close ( )
6.1.2.2 void happyhttp::Connection::connect ( )
6.1.2.3
       void happyhttp::Connection::endheaders ( )
6.1.2.4
       bool happyhttp::Connection::outstanding ( ) const [inline]
6.1.2.5
       void happyhttp::Connection::pump ( )
6.1.2.6
       void happyhttp::Connection::putheader ( const char * header, const char * value )
       void happyhttp::Connection::putheader ( const char * header, int numericvalue )
6.1.2.8
       void happyhttp::Connection::putrequest ( const char * method, const char * url )
       void happyhttp::Connection::request ( const char * method, const char * url, const char * headers[] = 0, const
       unsigned char * body = 0, int bodysize = 0)
6.1.2.10 void happyhttp::Connection::send ( const unsigned char * buf, int numbytes )
6.1.2.11 void happyhttp::Connection::setcallbacks ( ResponseBegin_CB begincb, ResponseData_CB datacb,
         ResponseComplete CB completecb, void * userdata )
       Friends And Related Function Documentation
6.1.3.1 friend class Response [friend]
6.1.4
       Member Data Documentation
       ResponseBegin_CB happyhttp::Connection::m_ResponseBeginCB [protected]
6.1.4.1
6.1.4.2 ResponseComplete CB happyhttp::Connection::m_ResponseCompleteCB [protected]
6.1.4.3 ResponseData_CB happyhttp::Connection::m_ResponseDataCB [protected]
6.1.4.4 void* happyhttp::Connection::m_UserData [protected]
```

- dll/happyhttp.h
- dll/happyhttp.cpp

6.2 Requete Class Reference

classe a utilisée par la fonction void DIIImport requeteHttpKira(char* s1, char* s2);

```
#include <Requete.h>
```

Public Member Functions

- Requete (char *)
- Requete ()
- virtual ∼Requete ()
- char * Getadresse ()
- void Setadresse (char *val)
- int envoyerRequete (char *s1, char *s2)

6.2.1 Detailed Description

classe a utilisée par la fonction void DIIImport requeteHttpKira(char* s1, char* s2);

La classe utilise Happyhttp pour faire une requête

6.2.2 Constructor & Destructor Documentation

```
6.2.2.1 Requete::Requete ( char * s1 )
```

6.2.2.2 Requete::Requete ()

6.2.2.3 Requete::∼Requete() [virtual]

6.2.3 Member Function Documentation

6.2.3.1 int Requete::envoyerRequete (char * s1, char * s2)

Parameters

in	char*	s1 IP
in	char*	s2 reste de l'adresse

```
6.2.3.2 char* Requete::Getadresse() [inline]
```

6.2.3.3 void Requete::Setadresse (char * val) [inline]

- dll/Requete.h
- dll/Requete.cpp

16 Class Documentation

6.3 happyhttp::Response Class Reference

```
#include <happyhttp.h>
```

Public Member Functions

- const char * getheader (const char *name) const
- bool completed () const
- int getstatus () const
- const char * getreason () const
- bool willclose () const

Protected Member Functions

- Response (const char *method, Connection &conn)
- int pump (const unsigned char *data, int datasize)
- void notifyconnectionclosed ()

Friends

class Connection

6.3.1 Constructor & Destructor Documentation

- **6.3.1.1** happyhttp::Response::Response (const char * method, Connection & conn) [protected]
- 6.3.2 Member Function Documentation
- **6.3.2.1** bool happyhttp::Response::completed () const [inline]
- 6.3.2.2 const char * happyhttp::Response::getheader (const char * name) const
- 6.3.2.3 const char * happyhttp::Response::getreason () const
- 6.3.2.4 int happyhttp::Response::getstatus () const
- **6.3.2.5 void happyhttp::Response::notifyconnectionclosed()** [protected]
- **6.3.2.6** int happyhttp::Response::pump (const unsigned char * data, int datasize) [protected]
- **6.3.2.7** bool happyhttp::Response::willclose () const [inline]
- 6.3.3 Friends And Related Function Documentation
- **6.3.3.1** friend class Connection [friend]

- dll/happyhttp.h
- dll/happyhttp.cpp

6.4 happyhttp::Wobbly Class Reference

```
#include <happyhttp.h>
```

Public Member Functions

- Wobbly (const char *fmt,...)
- const char * what () const

Protected Types

enum { MAXLEN =256 }

Protected Attributes

• char m_Message [MAXLEN]

6.4.1 Member Enumeration Documentation

6.4.1.1 anonymous enum [protected]

Enumerator

MAXLEN

- 6.4.2 Constructor & Destructor Documentation
- 6.4.2.1 happyhttp::Wobbly::Wobbly (const char * fmt, ...)
- 6.4.3 Member Function Documentation
- **6.4.3.1** const char* happyhttp::Wobbly::what() const [inline]
- 6.4.4 Member Data Documentation
- **6.4.4.1 char happyhttp::Wobbly::m_Message[MAXLEN]** [protected]

- dll/happyhttp.h
- dll/happyhttp.cpp

18 Class Documentation

Chapter 7

File Documentation

7.1 dll/base64.cpp File Reference

```
#include "base64.h"
#include <iostream>
```

Functions

- std::string base64_encode (unsigned char const *bytes_to_encode, unsigned int in_len)
- std::string base64_decode (std::string const &encoded_string)

7.1.1 Function Documentation

7.1.1.1 std::string base64_decode (std::string const & s)

Parameters

in	std::string	const& s : la chaine à décoder

Returns

string ret : la chaine décodée

7.1.1.2 string base64_encode (unsigned char const * bytes_to_encode, unsigned int in_len)

Parameters

in	unsigned	char const* bytes_to_encode : la chaine à encoder	
in	unsigned	int in_len : taille de la chaine à encoder	

20 File Documentation

Returns

string ret : la chaine encodée

7.2 dll/base64.h File Reference

encoder une chaine de caractères en base64 ou decoder du base64 vers une chaine de caractères

```
#include <string>
```

Functions

- std::string base64_encode (unsigned char const *, unsigned int len)
- std::string base64_decode (std::string const &s)

7.2.1 Detailed Description

encoder une chaine de caractères en base64 ou decoder du base64 vers une chaine de caractères

Author

Corentin Chatellier

Version

0.1

Date

14/05/2016

7.2.2 Function Documentation

7.2.2.1 std::string base64_decode (std::string const & encoded_string)

Parameters

in	std::string	const& s : la chaine à décoder
----	-------------	--------------------------------

Returns

string ret : la chaine décodée

7.2.2.2 std::string base64_encode (unsigned char const * bytes_to_encode, unsigned int in_len)

Parameters

in	unsigned	char const* bytes_to_encode : la chaine à encoder	
in	unsigned	int in_len : taille de la chaine à encoder	

Returns

string ret : la chaine encodée

7.3 dll/happyhttp.cpp File Reference

```
#include "happyhttp.h"
#include <cstdio>
#include <cstring>
#include <stdlib.h>
#include <stdio.h>
#include <Winsock2.h>
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <netdb.h>
#include <errno.h>
#include <unistd.h>
#include <cstdarg>
#include <assert.h>
#include <string>
#include <vector>
#include <algorithm>
```

Namespaces

· happyhttp

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

Macros

• #define _stricmp strcasecmp

Functions

- void happyhttp::BailOnSocketError (const char *context)
- bool happyhttp::datawaiting (int sock)
- struct in_addr * happyhttp::atoaddr (const char *address)

22 File Documentation

7.3.1 Macro Definition Documentation

7.3.1.1 #define _stricmp strcasecmp

7.4 dll/happyhttp.h File Reference

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

```
#include <string>
#include <map>
#include <vector>
#include <deque>
```

Classes

- · class happyhttp::Wobbly
- · class happyhttp::Connection
- · class happyhttp::Response

Namespaces

· happyhttp

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

Typedefs

- typedef void(* happyhttp::ResponseBegin_CB) (const Response *r, void *userdata)
- typedef void(* happyhttp::ResponseData_CB) (const Response *r, void *userdata, const unsigned char *data, int numbytes)
- typedef void(* happyhttp::ResponseComplete CB) (const Response *r, void *userdata)

Enumerations

enum {
 happyhttp::CONTINUE = 100, happyhttp::SWITCHING_PROTOCOLS = 101, happyhttp::PROCESSING =
 102, happyhttp::OK = 200,
 happyhttp::CREATED = 201, happyhttp::ACCEPTED = 202, happyhttp::NON_AUTHORITATIVE_INFOR
 MATION = 203, happyhttp::NO_CONTENT = 204,
 happyhttp::RESET_CONTENT = 205, happyhttp::PARTIAL_CONTENT = 206, happyhttp::MULTI_STATUS
 = 207, happyhttp::IM_USED = 226,
 happyhttp::MULTIPLE_CHOICES = 300, happyhttp::MOVED_PERMANENTLY = 301, happyhttp::FOUND =
 302, happyhttp::SEE_OTHER = 303,
 happyhttp::NOT_MODIFIED = 304, happyhttp::USE_PROXY = 305, happyhttp::TEMPORARY_REDIRECT
 = 307, happyhttp::BAD_REQUEST = 400,
 happyhttp::UNAUTHORIZED = 401, happyhttp::PAYMENT_REQUIRED = 402, happyhttp::FORBIDDEN =

```
403, happyhttp::NOT_FOUND = 404,
happyhttp::METHOD_NOT_ALLOWED = 405, happyhttp::NOT_ACCEPTABLE = 406, happyhttp::PROXY←
_AUTHENTICATION_REQUIRED = 407, happyhttp::REQUEST_TIMEOUT = 408,
happyhttp::CONFLICT = 409, happyhttp::GONE = 410, happyhttp::LENGTH_REQUIRED = 411, happyhttp::
:PRECONDITION_FAILED = 412,
happyhttp::REQUEST_ENTITY_TOO_LARGE = 413, happyhttp::REQUEST_URI_TOO_LONG = 414,
happyhttp::UNSUPPORTED_MEDIA_TYPE = 415, happyhttp::REQUESTED_RANGE_NOT_SATISFI←
ABLE = 416,
happyhttp::EXPECTATION_FAILED = 417, happyhttp::UNPROCESSABLE_ENTITY = 422, happyhttp::L←
OCKED = 423, happyhttp::FAILED_DEPENDENCY = 424,
happyhttp::UPGRADE_REQUIRED = 426, happyhttp::INTERNAL_SERVER_ERROR = 500, happyhttp::N←
OT_IMPLEMENTED = 501, happyhttp::BAD_GATEWAY = 502,
happyhttp::SERVICE_UNAVAILABLE = 503, happyhttp::GATEWAY_TIMEOUT = 504, happyhttp::HTTP_←
VERSION_NOT_SUPPORTED = 505, happyhttp::INSUFFICIENT_STORAGE = 507,
happyhttp::NOT_EXTENDED = 510}
```

Functions

- void happyhttp::BailOnSocketError (const char *context)
- struct in_addr * happyhttp::atoaddr (const char *address)

7.4.1 Detailed Description

faire des requêtes http, voir https://github.com/Zintinio/HappyHTTP

Date

14/05/2016

7.5 dll/main.cpp File Reference

```
#include <stdio.h>
#include <stdlib.h>
#include "RequeteHttp.h"
```

Functions

• int main (int argc, char *argv[])

7.5.1 Function Documentation

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

exemple

24 File Documentation

7.6 dll/main.h File Reference

```
#include <windows.h>
```

Macros

• #define DLL_EXPORT __declspec(dllimport)

Functions

void DLL_EXPORT SomeFunction (const LPCSTR sometext)

7.6.1 Macro Definition Documentation

```
7.6.1.1 #define DLL_EXPORT __declspec(dllimport)
```

7.6.2 Function Documentation

7.6.2.1 void DLL_EXPORT SomeFunction (const LPCSTR sometext)

7.7 dll/Requete.cpp File Reference

```
#include "Requete.h"
#include "happyhttp.h"
#include <cstdio>
#include <cstring>
```

Functions

- void OnBegin (const happyhttp::Response *r, void *userdata)
- void OnData (const happyhttp::Response *r, void *userdata, const unsigned char *data, int n)
- void OnComplete (const happyhttp::Response *r, void *userdata)

Variables

• int count =0

7.7.1 Function Documentation

```
7.7.1.1 void OnBegin ( const happyhttp::Response * r, void * userdata )
7.7.1.2 void OnComplete ( const happyhttp::Response * r, void * userdata )
7.7.1.3 void OnData ( const happyhttp::Response * r, void * userdata, const unsigned char * data, int n )
7.7.2 Variable Documentation
```

7.8 dll/Requete.h File Reference

classe Requete

7.7.2.1 int count =0

```
#include "happyhttp.h"
#include <cstdio>
#include <cstring>
#include <stdlib.h>
#include <stdio.h>
#include <stdarg.h>
#include <wtypes.h>
```

Classes

· class Requete

classe a utilisée par la fonction void DIIImport requeteHttpKira(char* s1, char* s2);

Macros

• #define REQUETE H

7.8.1 Detailed Description

classe Requete

Author

Corentin Chatellier

Version

0.1

Date

14/05/2016

26 File Documentation

7.8.2 Macro Definition Documentation

7.8.2.1 #define REQUETE H

7.9 dll/RequeteHttp.cpp File Reference

```
#include <string>
#include "RequeteHttp.h"
#include "happyhttp.h"
#include "Requete.h"
#include "base64.h"
```

Macros

• #define DIIExport __declspec(dllexport)

Functions

- void DIIExport requeteHttpKira (char *s1, char *s2)
- void DIIExport requeteHttpFibaro (char *s1, char *s2, char *user, char *pass)

7.9.1 Macro Definition Documentation

7.9.1.1 #define DIIExport __declspec(dllexport)

7.9.2 Function Documentation

7.9.2.1 void DIIImport requeteHttpFibaro (char * s1, char * s2, char * user, char * pass)

Parameters

in	char*	s1 : IP	
in	char*	s2 : reste de l'adresse	
in	char*	user : login de la fibaro	
in	char*	pass : mot de passe de la fibaro	

Returns

void

7.9.2.2 void DIIImport requeteHttpKira (char *s1, char *s2)

Parameters

in	char*	s1 IP
in	char*	s2 reste de l'adresse

Returns

void

7.10 dll/RequeteHttp.h File Reference

fonctions utilisables avec la DLL

Macros

• #define DllImport __declspec(dllimport)

Functions

- void DllImport requeteHttpKira (char *s1, char *s2)
- void DllImport requeteHttpFibaro (char *s1, char *s2, char *user, char *pass)

7.10.1 Detailed Description

fonctions utilisables avec la DLL

Author

Corentin Chatellier

Version

0.1

Date

14/05/2016

7.10.2 Macro Definition Documentation

7.10.2.1 #define DIIImport __declspec(dllimport)

7.10.3 Function Documentation

7.10.3.1 void DIIImport requeteHttpFibaro (char * s1, char * s2, char * user, char * pass)

28 File Documentation

Parameters

in	char*	s1 : IP	
in	char*	s2 : reste de l'adresse	
in	char*	user : login de la fibaro	
in	char*	pass : mot de passe de la fibaro	

Returns

void

7.10.3.2 void DIIImport requeteHttpKira (char *s1, char *s2)

Parameters

in	char*	s1 IP
in	char*	s2 reste de l'adresse

Returns

void

Index

_stricmp	main.h, <mark>24</mark>
happyhttp.cpp, 22	datawaiting
\sim Connection	happyhttp, 11
happyhttp::Connection, 14	dll/Requete.cpp, 24
~Requete	dll/Requete.h, 25
Requete, 15	dll/RequeteHttp.cpp, 26
,	dll/RequeteHttp.h, 27
ACCEPTED	dll/base64.cpp, 19
happyhttp, 10	dll/base64.h, 20
atoaddr	dll/happyhttp.cpp, 21
happyhttp, 11	dll/happyhttp.h, 22
-4-1-7	dl/main.cpp, 23
BAD GATEWAY	dl/main.h, 24
happyhttp, 11	DIIExport
BAD REQUEST	•
happyhttp, 10	RequeteHttp.cpp, 26
BailOnSocketError	Dillmport
happyhttp, 11	RequeteHttp.h, 27
	EVECTATION FAILED
base64.cpp base64 decode, 19	EXPECTATION_FAILED
-	happyhttp, 11
base64_encode, 19	endheaders
base64.h	happyhttp::Connection, 14
base64_decode, 20	envoyerRequete
base64_encode, 20	Requete, 15
base64_decode	
base64.cpp, 19	FAILED_DEPENDENCY
base64.h, 20	happyhttp, 11
base64_encode	FORBIDDEN
base64.cpp, 19	happyhttp, 11
base64.h, 20	FOUND
	happyhttp, 10
CONFLICT	
happyhttp, 11	GATEWAY_TIMEOUT
CONTINUE	happyhttp, 11
happyhttp, 10	GONE
CREATED	happyhttp, 11
happyhttp, 10	Getadresse
close	Requete, 15
happyhttp::Connection, 14	getheader
completed	happyhttp::Response, 16
happyhttp::Response, 16	getreason
connect	happyhttp::Response, 16
happyhttp::Connection, 14	getstatus
Connection	happyhttp::Response, 16
happyhttp::Connection, 14	, , , , , , , , , , , , , , , , , , ,
happyhttp::Response, 16	HTTP_VERSION_NOT_SUPPORTED
count	happyhttp, 11
Requete.cpp, 25	happyhttp, 9
risquete.opp, 20	ACCEPTED, 10
DLL EXPORT	atoaddr, 11
	atoaaai, i i

30 INDEX

BAD_GATEWAY, 11	connect, 14
BAD_REQUEST, 10	Connection, 14
BailOnSocketError, 11	endheaders, 14
CONFLICT, 11	m_ResponseBeginCB, 14
CONTINUE, 10	m_ResponseCompleteCB, 14
CREATED, 10	m_ResponseDataCB, 14
datawaiting, 11	m_UserData, 14
EXPECTATION_FAILED, 11	outstanding, 14
FAILED_DEPENDENCY, 11	pump, 14
FORBIDDEN, 11	putheader, 14
FOUND, 10	putrequest, 14
GATEWAY_TIMEOUT, 11	request, 14
GONE, 11	Response, 14
HTTP_VERSION_NOT_SUPPORTED, 11	send, 14
IM_USED, 10	setcallbacks, 14
INSUFFICIENT_STORAGE, 11	happyhttp::Response, 16
INTERNAL_SERVER_ERROR, 11	completed, 16
LENGTH REQUIRED, 11	Connection, 16
LOCKED, 11	getheader, 16
METHOD NOT ALLOWED, 11	getreason, 16
MOVED PERMANENTLY, 10	getstatus, 16
MULTI STATUS, 10	notifyconnectionclosed, 16
MULTIPLE_CHOICES, 10	pump, 16
NO CONTENT, 10	Response, 16
NON_AUTHORITATIVE_INFORMATION, 10	willclose, 16
NOT ACCEPTABLE, 11	happyhttp::Wobbly, 17
NOT EXTENDED, 11	m_Message, 17
NOT FOUND, 11	MAXLEN, 17
NOT IMPLEMENTED, 11	what, 17
NOT_MODIFIED, 10	Wobbly, 17
	•
OK, 10	IM_USED
PARTIAL_CONTENT, 10 PAYMENT REQUIRED, 10	happyhttp, 10
-	INSUFFICIENT_STORAGE
PRECONDITION_FAILED, 11	happyhttp, 11
PROCESSING, 10	INTERNAL_SERVER_ERROR
PROXY_AUTHENTICATION_REQUIRED, 11	happyhttp, 11
REQUEST_ENTITY_TOO_LARGE, 11	
REQUEST_TIMEOUT, 11	LENGTH_REQUIRED
REQUEST_URI_TOO_LONG, 11	happyhttp, 11
REQUESTED_RANGE_NOT_SATISFIABLE, 11	LOCKED
RESET_CONTENT, 10	happyhttp, 11
ResponseBegin_CB, 10	
ResponseComplete_CB, 10	m_Message
ResponseData_CB, 10	happyhttp::Wobbly, 17
SEE_OTHER, 10	m_ResponseBeginCB
SERVICE_UNAVAILABLE, 11	happyhttp::Connection, 14
SWITCHING_PROTOCOLS, 10	m_ResponseCompleteCB
TEMPORARY_REDIRECT, 10	happyhttp::Connection, 14
UNAUTHORIZED, 10	m_ResponseDataCB
UNPROCESSABLE_ENTITY, 11	happyhttp::Connection, 14
UNSUPPORTED_MEDIA_TYPE, 11	m_UserData
UPGRADE_REQUIRED, 11	happyhttp::Connection, 14
USE_PROXY, 10	MAXLEN
happyhttp.cpp	happyhttp::Wobbly, 17
_stricmp, 22	METHOD_NOT_ALLOWED
happyhttp::Connection, 13	happyhttp, 11
∼Connection, 14	MOVED_PERMANENTLY
close, 14	happyhttp, 10

INDEX 31

MULTI_STATUS	happyhttp, 11
happyhttp, 10	REQUEST_TIMEOUT
MULTIPLE CHOICES	happyhttp, 11
happyhttp, 10	REQUEST_URI_TOO_LONG
main	happyhttp, 11
main.cpp, 23	REQUESTED_RANGE_NOT_SATISFIABLE
main.cpp	happyhttp, 11
main, 23	REQUETE H
main.h	Requete.h, 26
DLL_EXPORT, 24	RESET CONTENT
SomeFunction, 24	happyhttp, 10
,	request
NO_CONTENT	happyhttp::Connection, 14
happyhttp, 10	Requete, 15
NON_AUTHORITATIVE_INFORMATION	\sim Requete, 15
happyhttp, 10	envoyerRequete, 15
NOT_ACCEPTABLE	Getadresse, 15
happyhttp, 11	Requete, 15
NOT_EXTENDED	Setadresse, 15
happyhttp, 11	Requete.cpp
NOT_FOUND	count, 25
happyhttp, 11	OnBegin, 25
NOT_IMPLEMENTED	OnComplete, 25
happyhttp, 11	OnData, 25
NOT_MODIFIED	Requete.h
happyhttp, 10	REQUETE_H, 26
notifyconnectionclosed	RequeteHttp.cpp
happyhttp::Response, 16	DIIExport, 26
OV	requeteHttpFibaro, 26
OK	requeteHttpKira, 26
happyhttp, 10	RequeteHttp.h
OnBegin	DllImport, 27
Requete.cpp, 25	requeteHttpFibaro, 27
OnComplete	requeteHttpKira, 28
Requete.cpp, 25 OnData	requeteHttpFibaro
_	RequeteHttp.cpp, 26
Requete.cpp, 25	RequeteHttp.h, 27
happyhttp::Connection, 14	requeteHttpKira
nappynitpconnection, 14	RequeteHttp.cpp, 26
PARTIAL CONTENT	RequeteHttp.h, 28
happyhttp, 10	Response happyhttp::Connection, 14
PAYMENT REQUIRED	happyhttp::Response, 16
happyhttp, 10	ResponseBegin_CB
PRECONDITION FAILED	happyhttp, 10
happyhttp, 11	ResponseComplete_CB
PROCESSING	happyhttp, 10
happyhttp, 10	ResponseData_CB
PROXY_AUTHENTICATION_REQUIRED	happyhttp, 10
happyhttp, 11	παρρήπαρ, το
pump	SEE_OTHER
happyhttp::Connection, 14	happyhttp, 10
happyhttp::Response, 16	SERVICE_UNAVAILABLE
putheader	happyhttp, 11
happyhttp::Connection, 14	SWITCHING_PROTOCOLS
putrequest	happyhttp, 10
happyhttp::Connection, 14	send
	happyhttp::Connection, 14
REQUEST_ENTITY_TOO_LARGE	Setadresse

32 INDEX

```
Requete, 15
setcallbacks
    happyhttp::Connection, 14
SomeFunction
    main.h, 24
TEMPORARY_REDIRECT
    happyhttp, 10
UNAUTHORIZED
    happyhttp, 10
UNPROCESSABLE_ENTITY
    happyhttp, 11
UNSUPPORTED_MEDIA_TYPE
    happyhttp, 11
UPGRADE_REQUIRED
    happyhttp, 11
USE_PROXY
    happyhttp, 10
what
    happyhttp::Wobbly, 17
willclose
    happyhttp::Response, 16
Wobbly
    happyhttp::Wobbly, 17
```