

echoclient

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# Chapter 1

## File Index

### 1.1 File List

Here is a list of all files with brief descriptions:

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## Chapter 2

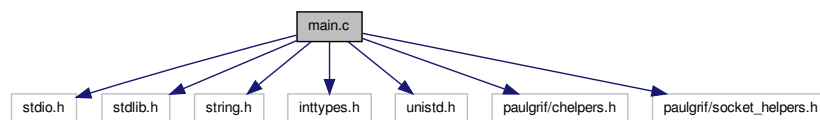
# File Documentation

### 2.1 main.c File Reference

Entry point to echoclient.

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <inttypes.h>
#include <unistd.h>
#include <paulgrif/chelpers.h>
#include <paulgrif/socket_helpers.h>
```

Include dependency graph for main.c:



#### Macros

- `#define MAX_BUFFER_LEN 1024`

*Maximum character buffer size.*

#### Functions

- void `run_echo_client` (const int c\_sock)  
*Runs the echo client.*
- int `connect_with_command_line_args` (int argc, char \*\*argv)  
*Attempts to connect to a service specified in cmdline args.*
- int `main` (int argc, char \*\*argv)  
*Main function.*

#### 2.1.1 Detailed Description

Entry point to echoclient.

**Author**

Paul Griffiths

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**2.1.2 Macro Definition Documentation****2.1.2.1 #define MAX\_BUFFER\_LEN 1024**

Maximum character buffer size.

**2.1.3 Function Documentation****2.1.3.1 int connect\_with\_command\_line\_args ( int argc, char \*\* argv )**

Attempts to connect to a service specified in cmdline args.

Expects *argc* to be 3, with *argv[1]* specifying a hostname or IP address, and *argv[2]* specifying a valid port.

**Parameters**

<i>argc</i>	Number of command line arguments, passed from <a href="#">main()</a>
<i>argv</i>	Command line arguments, passed from <a href="#">main()</a>

**Returns**

The file descriptor of the connected socket on success, or -1 on failure.

**2.1.3.2 int main ( int argc, char \*\* argv )**

Main function.

Connects to an echo server and runs the echo client.

**Returns**

Exit status.

**2.1.3.3 void run\_echo\_client ( const int c\_sock )**

Runs the echo client.

**Parameters**

<i>c_sock</i>	File descriptor of the connected socket to use.
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