

Client SMTP in C

Instructions and documentations



Liviu Arsenescu
16.06.2024

Contents

1	Introduction	2
2	Client usage	2
2.1	Synopsis	2
2.2	Description	2
2.3	Example	2
2.4	Compile the program	2
3	Implementation and State Machine	3
4	Tests	3

1 Introduction

Welcome to the documentation for the Simple SMTP Client, a project developed for the Networking course at HE-Arc Ingénierie. This project showcases the practical application of networking concepts by implementing a basic SMTP client, designed to facilitate the understanding of email protocols and client-server communication.

2 Client usage

2.1 Synopsis

```
bin/client_smtp  
    <sender email>  
    <subject>  
    <message file>  
    <mail server>  
    <reciever email>  
    [<port>]
```

2.2 Description

<sender email> - Email address of the sender.
<subject> - Subject of the email.
<message file> - Path to the file containing the message.
<mail server> - Address of the mail server.
<reciever email> - Email address of the reciever.
[<port>] - (optional) Port number of the mail server. Default is 25.

2.3 Example

```
bin/client_smtp  
    liviu-andrei.arsenescu@he-arc.ch  
    "Some Subject"  
    mail_body.txt  
    smtp.alphanet.ch  
    liviu-andrei.arsenescu@he-arc.ch  
    587
```

2.4 Compile the program

To compile the program, you can use the Makefile provided:

```
make
```

The program executable is situated in ./bin

3 Implementation and State Machine

4 Tests