COMP 7005 Computer Networks & Protocols

Assignment-01
User Guide

Anmol Mittal A01397754 January 26, 2025

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Purpose	3
Installation	3
Building	3
Running	3
Command Line Arguments	3
Server	3
Client	3
Examples	2

Purpose

This client/server application demonstrates inter-process communication using UNIX Domain Sockets. The server component accepts a parameter that acts as a key to encrypting content sent from the client using Ceaser Cipher Encryption. Upon encryption, the server sends the client the encrypted content back.

Installation

Navigate to https://learn.bcit.ca. Download COMP7005-assign01-v1.zip and Extract the contents.

Building

```
cd <To the Extracted Foler>/source
gcc ./client.c -o ./client
gcc ./server.c -o ./server
```

Running

```
Run the server first by navigating to the terminal and typing
./server <shift value>
./client <File to encrypt>
```

Command Line Arguments

The following configuration values can be set in <file>:

Server

Variable	Purpose
<shift value=""></shift>	The number of positions by which each letter in the alphabet is shifted to encrypt the received file contents.

Client

Variable	Purpose
<file name=""></file>	The content of the file be encrypted.

Examples

