

Chat App

Sistema de mensajería instantánea seguro

Features y tecnologías:

- Sistema de mensajería instantánea en red desde línea de comandos
- Cifrado de credenciales en la base de datos
- Sistema criptográfico RSA-2048
- Protocolo criptográfico Diffie-Hellman
- Manejo de hashes (SHA-256)
- Manejo de encriptación simétrica AES-128
- Login, actualización de usuarios conectados, solicitud de datos de otro usuario, comunicación entre usuarios, logout
- Integración de prueba de trabajo POW para evitar DOS

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Source code:

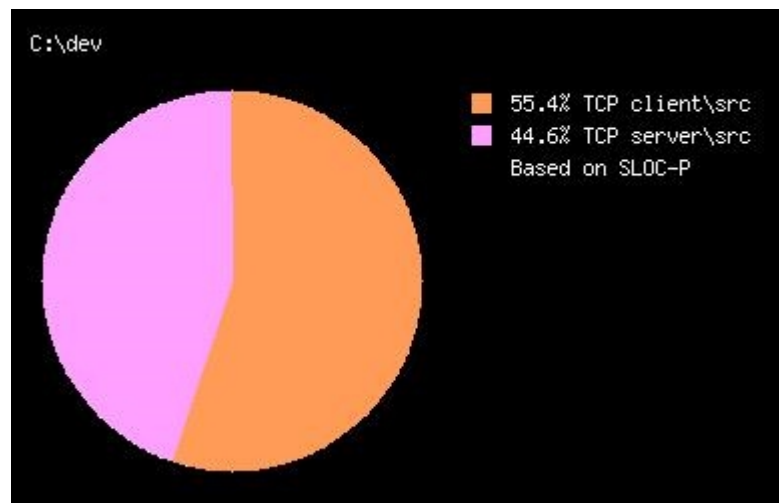
https://github.com/festeban26/cmp0565_chat_app

Latest code update:

Dec, 2017

Lines of Code (LOC): 3065

LOC REPORT



Overall		
Symbol	Count	Definition
Source Files	24	Source Files
Directories	5	Directories
LOC	3065	Lines of Code
BLOC	494	Blank Lines of Code
SLOC-P	2290	Physical Executable Lines of Code
SLOC-L	1802	Logical Executable Lines of Code
MVG	293	McCabe VG Complexity
C&SLOC	26	Code and Comment Lines of Code
CLOC	281	Comment Only Lines of Code
CWORD	1841	Commentary Words
HCLOC	0	Header Comment Lines of Code
HCWORD	0	Header Commentary Words

C:\dev - FOLDERS													
Folder	Files	LOC	SLOC	Physical	SLOC	Logical	MVG	BLOC	C&SLOC	CLOC	CWORD	HCLOC	HCWORD
Total	24	3065		2290		1802	293	494	26	281	1841	0	0
C:\dev\chat app	24	3065		2290		1802	293	494	26	281	1841	0	0
C:\dev\chat app\TCP client	12	1701		1268		993	173	268	14	165	1000	0	0
C:\dev\chat app\TCP client\src	12	1701		1268		993	173	268	14	165	1000	0	0
C:\dev\chat app\TCP server	12	1364		1022		809	120	226	12	116	841	0	0
C:\dev\chat app\TCP server\src	12	1364		1022		809	120	226	12	116	841	0	0

C:\dev - FILES										
File	LOC	SLOC Physical	SLOC Logical	MVG	BLOC	C&SLOC	CLOC	CWORD	HCLOC	HCWORD
C:\dev\chat app\TCP client\src AesManager.java	129	93	79	9	19	1	17	72	0	0
C:\dev\chat app\TCP client\src\Client.java	606	453	368	59	90	4	63	238	0	0
C:\dev\chat app\TCP client\src\ClientChat.java	131	105	71	26	8	0	18	95	0	0
C:\dev\chat app\TCP client\src ClientManager.java	70	51	39	6	18	0	1	3	0	0
C:\dev\chat app\TCP client\src\DhManager.java	79	63	49	10	11	4	5	57	0	0
C:\dev\chat app\TCP client\src ExceptionManager.java	26	24	10	0	2	0	0	0	0	0
C:\dev\chat app\TCP client\src FileManager.java	78	45	32	10	14	1	19	185	0	0
C:\dev\chat app\TCP client\src HashingManager.java	50	37	28	5	13	0	0	0	0	0
C:\dev\chat app\TCP client\src PowManager.java	63	45	36	7	17	0	1	4	0	0
C:\dev\chat app\TCP client\src RsaManager.java	276	207	164	26	34	4	35	313	0	0
C:\dev\chat app\TCP client\src\User.java	176	133	108	14	37	0	6	33	0	0
C:\dev\chat app\TCP client\src UserCredential.java	17	12	9	1	5	0	0	0	0	0

File	LOC	SLOC Physical	SLOC Logical	MVG	BLOC	C&SLOC	CLOC	CWORD	HCLOC	HCWORD
C:\dev\chat app\TCP server\src \AesManager.java	128	93	79	9	18	1	17	72	0	0
C:\dev\chat app\TCP server\src \ClientThread.java	443	341	271	37	73	1	29	148	0	0
C:\dev\chat app\TCP server\src \DhManager.java	81	64	50	10	12	4	5	57	0	0
C:\dev\chat app\TCP server\src \ExceptionManager.java	28	25	11	0	3	0	0	0	0	0
C:\dev\chat app\TCP server\src \FileManager.java	80	46	33	10	15	1	19	185	0	0
C:\dev\chat app\TCP server\src \HashingManager.java	52	38	29	5	14	0	0	0	0	0
C:\dev\chat app\TCP server\src \JsonManager.java	85	76	65	6	9	1	0	6	0	0
C:\dev\chat app\TCP server\src\Main.java	61	45	37	5	13	0	3	25	0	0
C:\dev\chat app\TCP server\src \PasswordVaultManager.java	47	28	23	4	12	0	7	31	0	0
C:\dev\chat app\TCP server\src \PowManager.java	65	46	37	7	18	0	1	4	0	0
C:\dev\chat app\TCP server\src \RsaManager.java	275	207	164	26	33	4	35	313	0	0
C:\dev\chat app\TCP server\src \UserCredential.java	19	13	10	1	6	0	0	0	0	0