Interoperability Testing with Group 14

Author: Nathan Dang

Pre-testing:

1. Set up connection so that your server can connect to the target server
2. Run 2 servers
3. Run 2 clients (one on each server)

Testing:

	Process	Expected behavior	Result (Pass / Fail / Unsure)	Comment
1	server_hello	The traffic is captured at the server	Pass	Shown in (figure 1) Server can be connected successfully
2	client_update_request	A client list is sent back to the server.	Pass	Shown In (figure 2) Client list is sent back to both servers
3	Sending message (chat or public_chat) from clients.	The message successfully appears in the correct format at target client (s).	Unsure	A message is sent, but nothing is received on both sides
4	Updated online users	When a new user connects or a user disconnect in the distant server, the clients list on left-hand side menu is updated.	Pass	Shown In Figure 3 On our app, they show up as a new user, meaning they're online

(Figure 1)

(Figure 2)

(Figure 3)

```
Your fingerprint: 8734acc1eaf4031a8f8b289bfe11879f0f992ba89798b494cdde2aa7be20a6e5
Your public key: -----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAo3+qydtbxhfcQWnRt/do
Gvf1zE7S3MaaWkC60WrE/V8Jdj0jmKiF4bGuTBf7Qof6gL+sFfh3AMyC1gxpQVZ4
KB1XILDTWkjU08LXkrb7SpCZVXCO0g23UAkrNr755QOMrKYmjSO5SDB5HpK8aD+3
5GbFmSHgFHfFZGErBN94sXIKa1qmdKUVHvksbmFd9fssOVdjCQ5iYA0e80mMLPQ9
I4myuaLgahruIjZ2EX4CT7fP2JmJorz+Jk/Y8lROCO9iOR0XIuscVJtPl/MvIWRn
FFMba1kygx+Bg0kE8nTMagd1s7oVXcFrd6ROBf/b4UWbyY5Dwa312tp4HHIxn2fk
8QIDAQAB
-----END PUBLIC KEY-----


Public keys and fingerprints of other clients:
Fingerprint: 8734acc1eaf4031a8f8b289bfe11879f0f992ba89798b494cdde2aa7be20a6e5
Server: ws://127.0.0.1:8000
Public key: -----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAo3+qydtbxhfcQWnRt/do
Gvf1zE7S3MaaWkC60WrE/V8Jdj0jmKiF4bGuTBf7Qof6gL+sFfh3AMyC1gxpQVZ4
KB1XILDTWkjU08LXkrb7SpCZVXCO0g23UAkrNr755QOMrKYmjSO5SDB5HpK8aD+3
5GbFmSHgFHfFZGErBN94sXIKa1qmdKUVHvksbmFd9fssOVdjCQ5iYA0e80mMLPQ9
I4myuaLgahruIjZ2EX4CT7fP2JmJorz+Jk/Y8lROCO9iOR0XIuscVJtPl/MvIWRn
FFMba1kygx+Bg0kE8nTMagd1s7oVXcFrd6ROBf/b4UWbyY5Dwa312tp4HHIxn2fk
8QIDAQAB
-----END PUBLIC KEY-----
```

Public Chat

Rebecca Rivera

Richard Zuniga