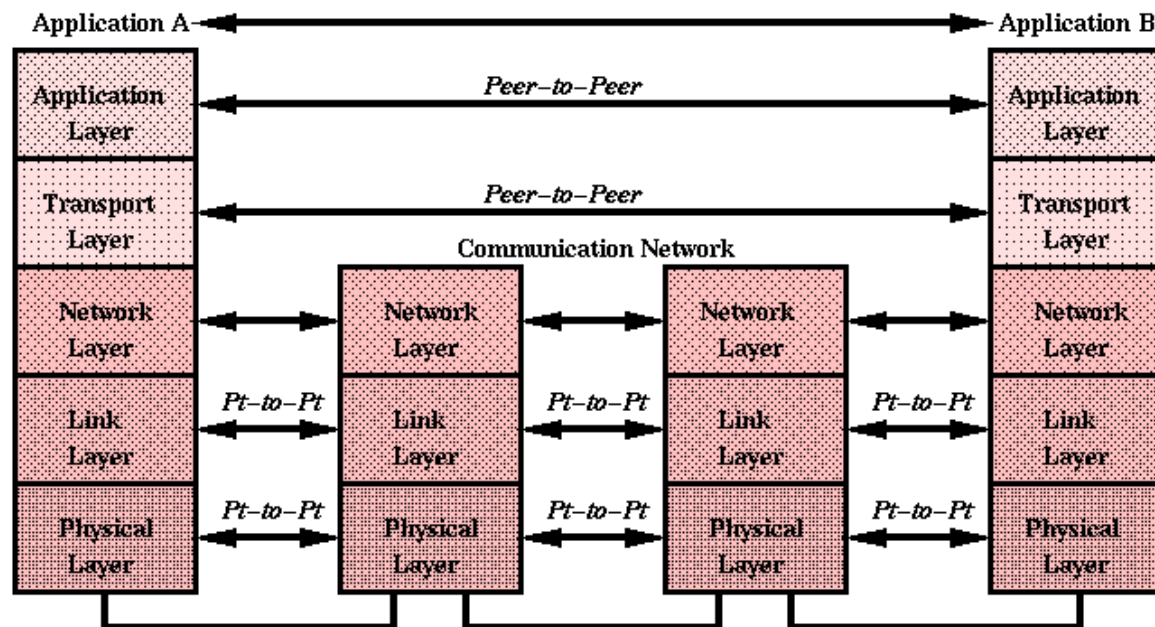
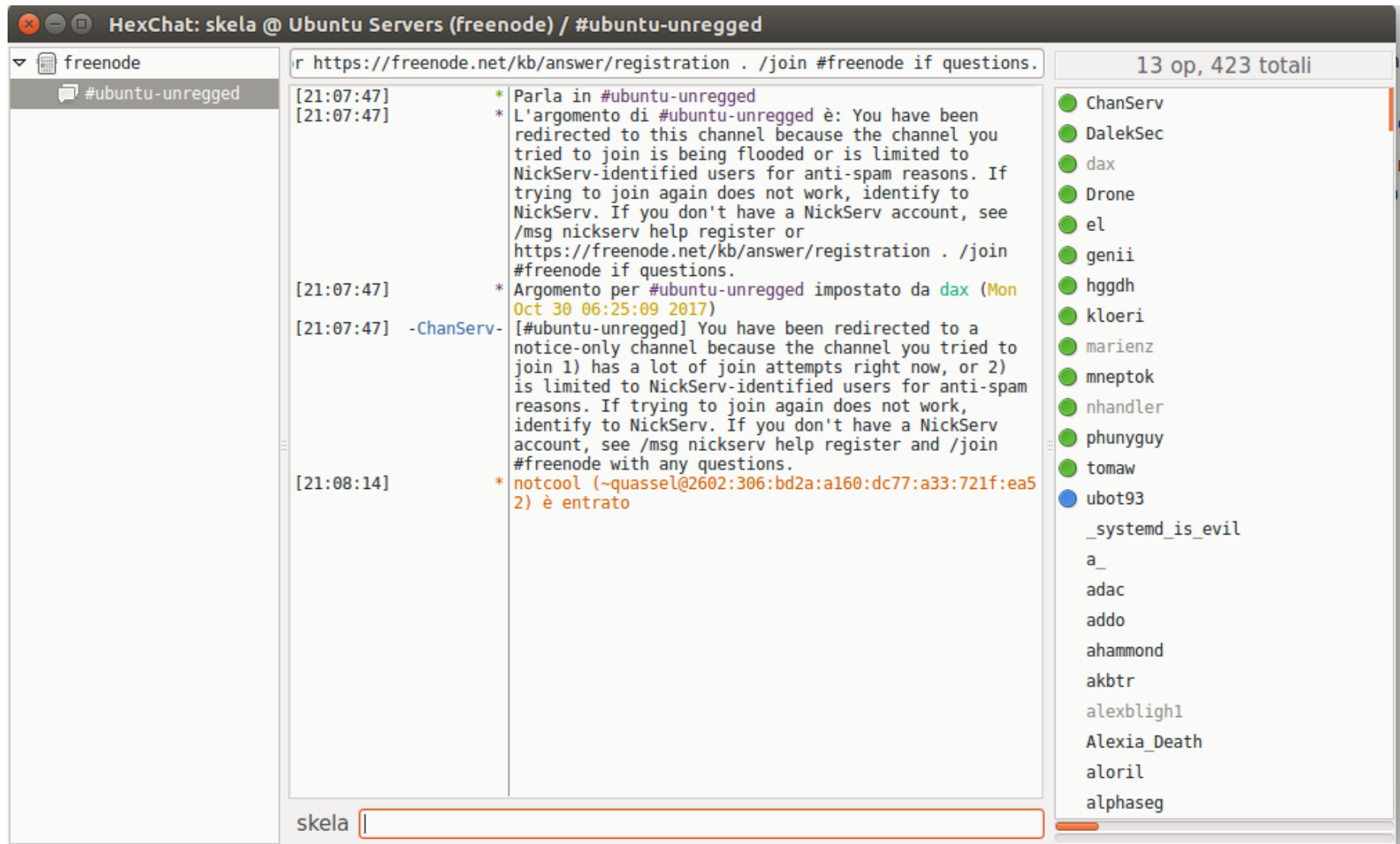


# IRC

**Internet Relay Chat** is an *application layer* protocol that facilitates communication in the form of text. These clients communicate with chat servers to transfer messages to other clients. IRC is mainly designed for group communication in discussion forums, called channels, but also allows one-on-one communication via private messages as well as chat and data transfer, including file sharing.



# Un client tradizionale a IRC



# IRC Client/Bot Project

Implementare un sistema di processi:

- **Client:** implementa parte del protocollo IRC (semplice)
- **Visualizer:** interfaccia utente al protocollo, implementato nel nostro caso come una command line (+ immaginazione)
- **Executer:** prevediamo l'aggiunta di una keyword per il passaggio di stringa su IRC tale da potere essere eseguita su shell

# Link Utili @ IRC Client

## Telnet IRC

<https://stackoverflow.com/questions/12655951/establishing-a-connection-to-irc>

## Comandi IRC Protocol

[https://en.wikipedia.org/wiki/List\\_of\\_Internet\\_Relay\\_Chat\\_commands](https://en.wikipedia.org/wiki/List_of_Internet_Relay_Chat_commands)

- \$ telnet irc.freenode.net 6667
- **NICK** ske1  
**USER** ske1 ske1\_ ske1\_\_ ske1\_\_\_\_
- **PING** <nome server> / **PONG** <nome server>
- **JOIN** #oslab
- **PRIVMSG** #oslab :Messaggio pubblico
- **CPRIVMSG** <nickname> <channel> :<message>

*The Hard Way* <https://tools.ietf.org/html/rfc1459> [RFC 1459]

# Link Utili @ Executer

- **popen** - initiate pipe streams to or from a process  
<http://pubs.opengroup.org/onlinepubs/009695399/functions/popen.html>

# Contatti

[#oslab](https://isamuni.slack.com)