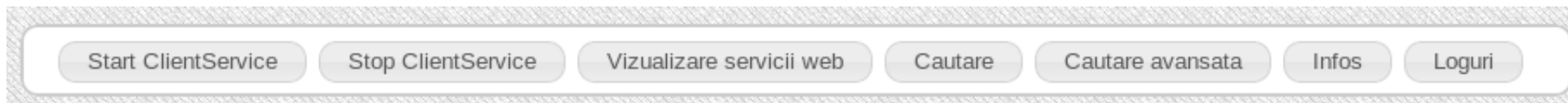
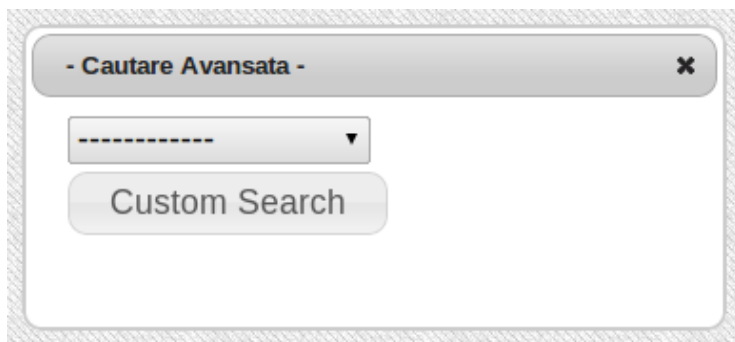


Meniul cu butoane

Primul buton din meniul porneste modulul ClientService iar cel de-al doilea il inchide. Celelalte butoane sunt pentru a deschide ferestrele in cazul in care au fost inchise.



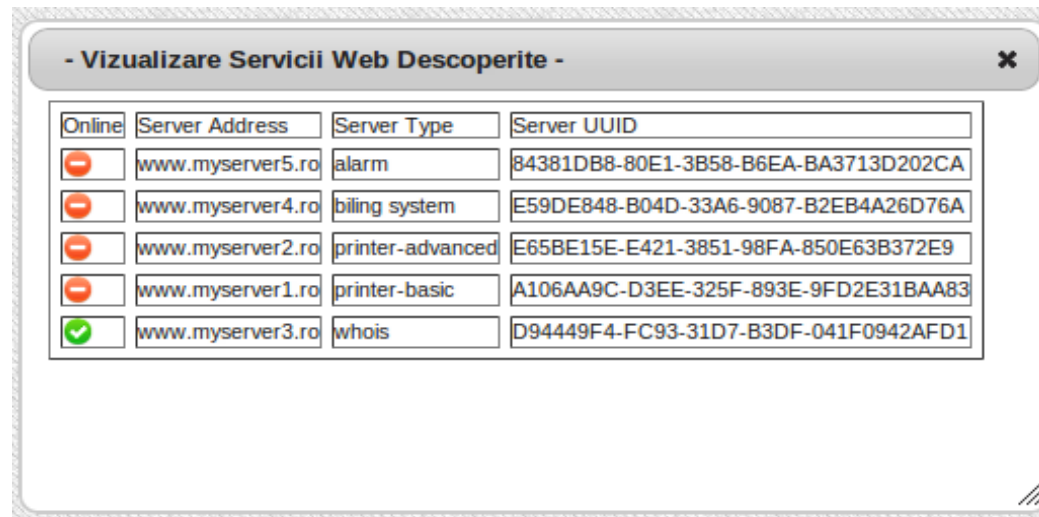
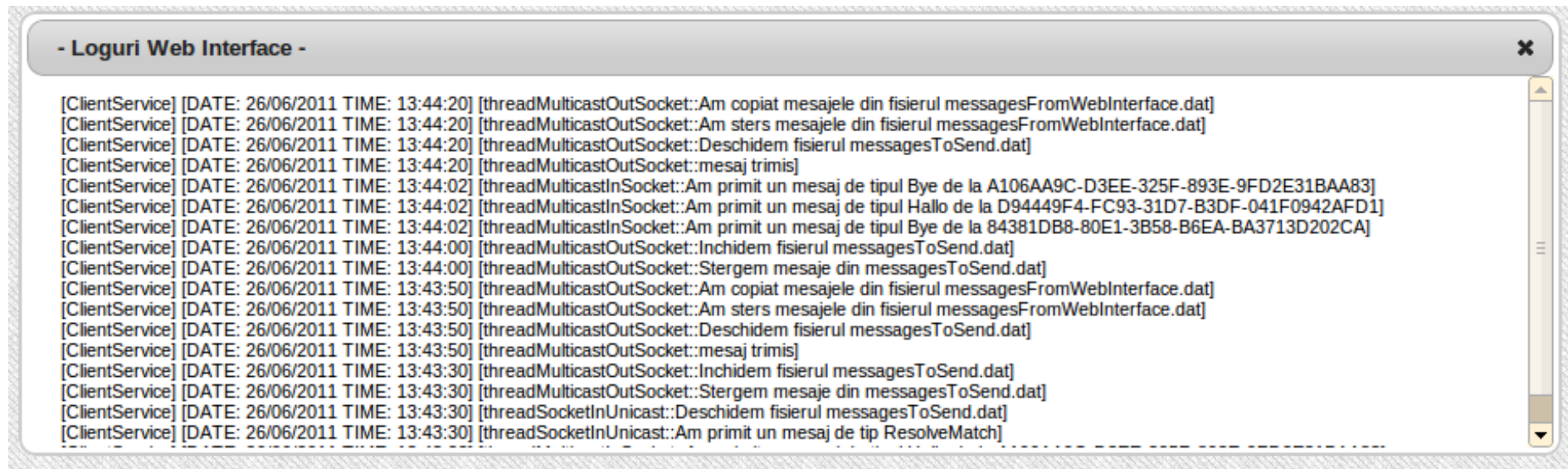
Fereastra pentru a cauta servicii web dupa un anumit tip



Fereastra pentru a cauta toate serviciile web

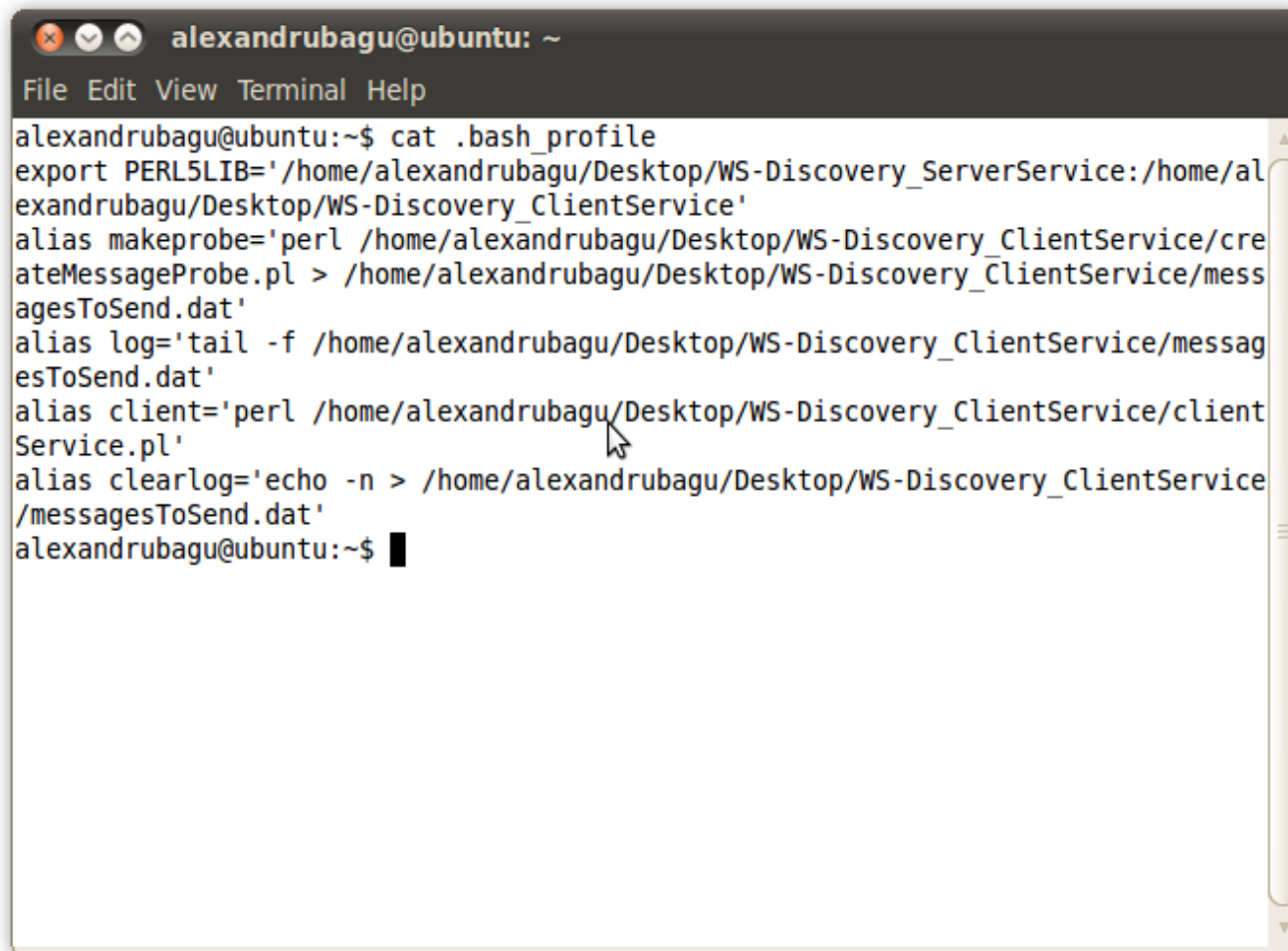


Fereastra ce permite vizualizarea ultimilor 30 de loguri din modulul ClientService ordonare dupa data



Fereastra ce ne ajuta sa vizualizam serviciile web descoperite si sa vedem statusul lor online / offline

**Lista de aliasuri introduse in .bash_profile. Acest fisier se ruleaza odata la pornirea sistemului de operare.
Daca acest fisier a fost modificat si vrem sa incarcam modificare facute putem folosi
comanda : source ~/.bash_profile**

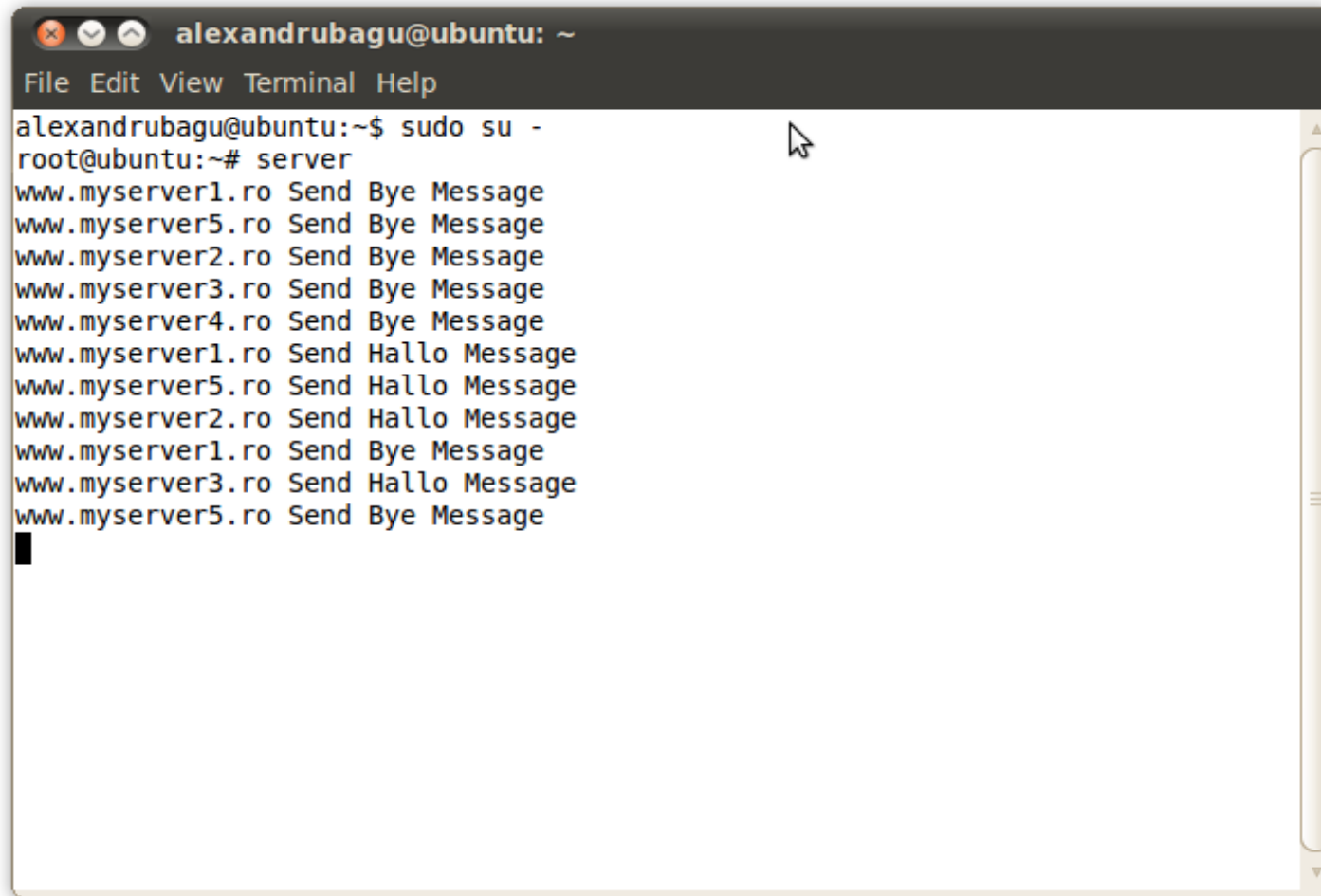
A terminal window titled 'alexandrubagu@ubuntu: ~' with a menu bar (File, Edit, View, Terminal, Help). The terminal shows the command 'cat .bash_profile' and its output, which lists several environment variables and aliases. The aliases include 'makeprobe', 'log', 'client', and 'clearlog', all pointing to Perl scripts in a directory on the Desktop. The prompt 'alexandrubagu@ubuntu:~\$' is visible at the bottom.

```
alexandrubagu@ubuntu:~$ cat .bash_profile
export PERL5LIB='/home/alexandrubagu/Desktop/WS-Discovery_ServerService:/home/alexandrubagu/Desktop/WS-Discovery_ClientService'
alias makeprobe='perl /home/alexandrubagu/Desktop/WS-Discovery_ClientService/createMessageProbe.pl > /home/alexandrubagu/Desktop/WS-Discovery_ClientService/messagesToSend.dat'
alias log='tail -f /home/alexandrubagu/Desktop/WS-Discovery_ClientService/messagesToSend.dat'
alias client='perl /home/alexandrubagu/Desktop/WS-Discovery_ClientService/clientService.pl'
alias clearlog='echo -n > /home/alexandrubagu/Desktop/WS-Discovery_ClientService/messagesToSend.dat'
alexandrubagu@ubuntu:~$
```

Pentru a porni serverul ne vom loga ca root folosind comanda :

`sudo su -`

Dupa care vom executa comanda `server` care este un alias introdus in `~/.bash_profile`

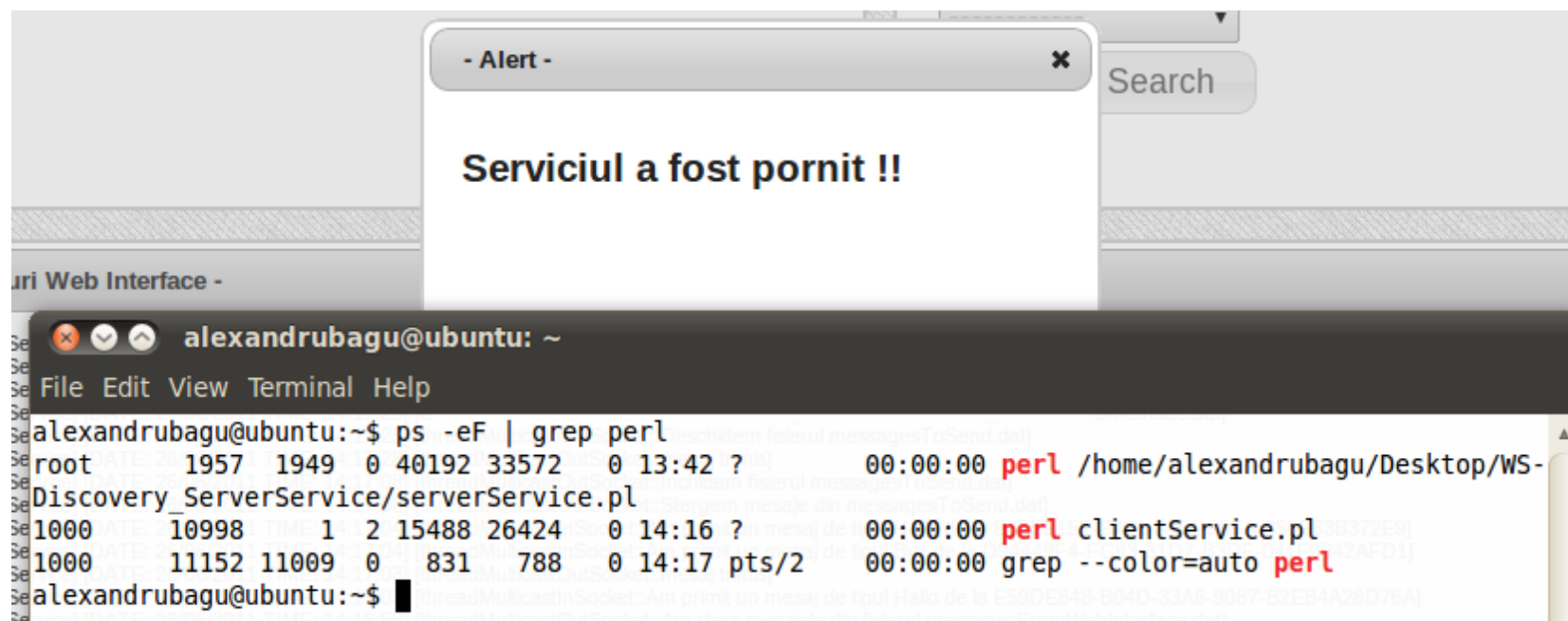


```
alexandrubagu@ubuntu: ~  
File Edit View Terminal Help  
alexandrubagu@ubuntu:~$ sudo su -  
root@ubuntu:~# server  
www.myserver1.ro Send Bye Message  
www.myserver5.ro Send Bye Message  
www.myserver2.ro Send Bye Message  
www.myserver3.ro Send Bye Message  
www.myserver4.ro Send Bye Message  
www.myserver1.ro Send Hallo Message  
www.myserver5.ro Send Hallo Message  
www.myserver2.ro Send Hallo Message  
www.myserver1.ro Send Bye Message  
www.myserver3.ro Send Hallo Message  
www.myserver5.ro Send Bye Message  
█
```

Prin apasarea butonului “Start ClientService” va aparea o fereastră de tip pop-up prin care suntem atentionati ca modulul ClientService a pornit. Acest lucru se poate vede si in terminal la executia comenzii:

`ps -eF | grep perl`

Putem observa ca primul serviciul pornit are PID-ul 1957 si ruleaza fisierul
`/home/alexandrubagu/WS-Discovery_ServerService/serverService.pl`



Serviciile web descoperite. Putem mesajele de Hallo / Bye trimise de servere: Server3 si Server 4 au trimis mesaje de tip Bye prin urmare apar in fereastra de vizualizare a serviciilor web cu o pictograma rosie iar Serverele 5, 2 si 1 au trimis mesaje de tipul Hallo deci vor avea o pictogram verde.

Start ClientService
Stop ClientService
Vizualizare servicii web
Cautare
Cautare avansata
Infos
Loguri

- Vizualizare Servicii Web Descoperite -

Online	Server Address	Server Type	Server UUID
	www.myserver5.ro	alarm	84381DB8-80E1-3B58-B6EA-BA3713D202CA
	www.myserver4.ro	biling system	E59DE848-B04D-33A6-9087-B2EB4A26D
	www.myserver2.ro	printer-advanced	E65BE15E-E421-3851-98FA-850E63B37
	www.myserver1.ro	printer-basic	A106AA9C-D3EE-325F-893E-9FD2E31B
	www.myserver3.ro	whois	D94449F4-FC93-31D7-B3DF-041F0942

- Descopera toate serviciile web -

Descopera toate serviciile

- Loguri Web Interface -

```

[ClientService] [DATE: 26/06/2011 TIME: 13:43:50] [threadMulticastOutSocket::Am copia
[ClientService] [DATE: 26/06/2011 TIME: 13:43:50] [threadMulticastOutSocket::Am sters
[ClientService] [DATE: 26/06/2011 TIME: 13:43:50] [threadMulticastOutSocket::Deschide
[ClientService] [DATE: 26/06/2011 TIME: 13:43:50] [threadMulticastOutSocket::mesaj trim
[ClientService] [DATE: 26/06/2011 TIME: 13:43:30] [threadMulticastOutSocket::Inchidem
[ClientService] [DATE: 26/06/2011 TIME: 13:43:30] [threadMulticastOutSocket::Stergem
[ClientService] [DATE: 26/06/2011 TIME: 13:43:30] [threadSocketInUnicast::Deschidem
[ClientService] [DATE: 26/06/2011 TIME: 13:43:30] [threadSocketInUnicast::Am primit u
[ClientService] [DATE: 26/06/2011 TIME: 13:43:22] [threadMulticastInSocket::Am primit u
[ClientService] [DATE: 26/06/2011 TIME: 13:43:22] [threadMulticastInSocket::Am primit u
[ClientService] [DATE: 26/06/2011 TIME: 13:42:55] [threadMulticastOutSocket::Am copia
[ClientService] [DATE: 26/06/2011 TIME: 13:42:55] [threadMulticastOutSocket::Deschide
[ClientService] [DATE: 26/06/2011 TIME: 13:42:55] [threadMulticastOutSocket::mesaj trim
[ClientService] [DATE: 26/06/2011 TIME: 13:42:35] [threadMulticastOutSocket::Inchidem
[ClientService] [DATE: 26/06/2011 TIME: 13:42:35] [threadMulticastOutSocket::Stergem
[ClientService] [DATE: 26/06/2011 TIME: 13:42:35] [threadSocketInUnicast::Deschidem

```

alexandrubagu@ubuntu: ~

File Edit View Terminal Help

```

alexandrubagu@ubuntu:~$ sudo su -
root@ubuntu:~# server
www.myserver5.ro Send ProbeMatches Message
www.myserver4.ro Send ProbeMatches Message
www.myserver3.ro Send ProbeMatches Message
www.myserver2.ro Send ProbeMatches Message
www.myserver1.ro Send ProbeMatches Message
www.myserver1.ro Send Bye Message
www.myserver5.ro Send Bye Message
www.myserver2.ro Send Bye Message
www.myserver5.ro Send ResolveMatches Message
www.myserver3.ro Send Bye Message
www.myserver4.ro Send ResolveMatches Message
www.myserver3.ro Send ResolveMatches Message
www.myserver4.ro Send Bye Message
www.myserver2.ro Send ResolveMatches Message
www.myserver1.ro Send ResolveMatches Message
www.myserver1.ro Send Hallo Message
www.myserver5.ro Send Hallo Message
www.myserver2.ro Send Hallo Message

```