

CONFIGURAREA UNUI SERVER IRC IN LINUX

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In this exemple i show how to configure an irc server based on ircd dameon named „ircu”. This is the main file name ircd.conf and the most important. Configure this file is not easy but needs a lot of patience also doing some mistakes here we will have a bad result.

```
[M:line]
#
#M:Aceasta linie defineste indentitatea servarului
#M:<server name>:<virtual host>:<description>:<numeric>
#<server name> //aici punem numele serverului
#<virtual host> //Adresa de IP folosita de server pt initializarea de conexiuni exterioare:server-server;linkuri
#<descriptions> //o scurta descriere a servarului
#<numeric> //Un numar ce va identifica serverul nostru in retea ;este folosit doar in conexiunea server-server
si trebuie sa fie unic
```

```
#Note: - <virtual host> -acest camp nu are nici o legatura cu adresa sau porturile de la care se vor accepta
conexiuni
```

```
- Modificarile facut in aceasta linie nu pot fi updatate folosid comanda /reash ci trebuie un restart la server pt
a rezolva aceasta problema.
```

```
Exemplu:
```

```
M:Bucuresti.Utm.Ro:192.168.38.10:Universitatea Titu Maiorescu::19
```

```
#[A:line]
#Informatii administrative despre server
#A:<line 1>:<line 2>:<line 3>
#<line 1-3> -aceste 3 lini de text contin informatii administrative
# - The A: aceasta linie nu este necesara dar este recomandata.
```

```
# Exemplu:
```

```
A:Universitatea Titu Maiorescu:Administrat de <admin@utm.ro>:Visit www.utm.ro
```

```
# [Y:lines]
# Definirea claselor de conexiuni
# Y:<class>:<ping frequency>:<connect frequency>:<maximum links>:<maximum sendq>
# <class> -un numar unic ce identifica aceasta clasa
# <ping freq> -Frecventa in secunde pe care o va trimite serveru pentru a pastra activa conexiunea client-server
# <conn. freq> -
# <max links> -nr maxim de conexiuni acceptate de aceasta clasa
```

<max sendq> -Cantitatea maxima de date in bytes care poate fi retinuta de aceasta conexiune pe server inainte de a se inchide conexiunea.

Exemple:

(Leaf) O clasa pt uplink la un hub

Nr maximum de sendq depinde de cat de mare e reseaua

Y:70:120:300:1:1000000

(Hub) O clasa pt alte huburi

Y:90:120:300:0:1500000

(Leaf) O clasa ce va accepta numai un numar limitat de conexiuni

Y:30:90:0:250:32768

[I:lines]

Autorizarea clientilor si filtrarea lor in clase

I:<address/hostmask>:<password/limit>:<hostmask>::<class>

<IP mask> O adresa de IP mask

<pass/limit> Parola sau limita de conexiuni.

<hostmask> Hostmask

<class> Clasa (definita de Y: line) pt aceasta conexiune

Conexiuni nerezolvate - 1 client pe adresa, in clasa 10

I:*@*:1:Unresolved::10

Resolved connections

I:Resolved:*@*::10

Clienti care se potrivesc cu aceste linii sunt limitati doar la o conexiune pe adresa

I:Resolved:1:*@*.compuserve.com::60

I:Resolved:1:*@dial??.*::1

Lini pt clienti privilegati ex:noiinsine,rector,prorector,decani,asistenti etc ;)

I:Resolved:*@.Drept.Utm.Ro::30

I:Resolved:*@STI.UTM.ro::30

I:Resolved:*@.Bogdan.Utm.Ro::30

[K:lines]

Interzice accesul clientilor pe server

K:<mask>:<"reason">:<username>

<mask> A hostname or IP mask

<reason> Motivul pt care clientul este interzis accesul

<username> Useru Clientului

Examples:

#

Banarea tuturor clientilor de pe serveru fac de Drept

K:*DREPT:"Va rugam folositi serveru dedicat acestei facultati":*

K:*us:"Numai oameni din romania aici":*

[C:lines]

Conecteaza server principal la alte servare

C:<host|ip>:<password>:<remote-server>:<port>:<class>

<host|ip> Hostname or IP address of the remote server

<password> Parola pt conectare

<rem-server> Numele serverului

<port>Portu pt conectare

<class> Clasa folosita pt aceasta conexiune

Exemplu:

(Leaf) uplink la un hub

C:DREPT.UTM.RO:gUeS5whaT!:HUB.UTM.RO:4400:70

[H:lines]

Defineste ce servere pot fi huburi

H:<mask>::<server-name>

<mask> O maska ce defineste ce servere sunt permise pt a fi hubu-ri

<server-name> Numele la serveru de HUB

Exemplu:

H:*.*::HUB.UTM.RO

#F:RELIABLE_CLOCK:FALSE
#F:BUFFERPOOL:27000000
#F:HAS_FERGUSON_FLUSHER:FALSE
#F:CLIENT_FLOOD:1024
#F:SERVER_PORT:4400
#F:NODEFAULTMOTD:TRUE
#F:MOTD_BANNER
#F:KILL_IPMISMATCH:FALSE
#F:IDLE_FROM_MSG:TRUE
#F:HUB:FALSE
#F:WALLOPS_OPER_ONLY:FALSE
#F:NODNS:FALSE
#F:RANDOM_SEED:<you should set one explicitly>
#F:DEFAULT_LIST_PARAM
#F:NICKNAMEHISTORYLENGTH:800
#F:HOST_HIDING:FALSE
#F:HIDDEN_HOST:user.utm.ro
#F:HIDDEN_IP:127.0.0.1
#F:AUTOHIDE:TRUE
#F:CONNEXIT_NOTICES:FALSE
#F:KILLCHASETIMELIMIT:30
#F:MAXCHANNELSPERUSER:10
#F:AVBANLEN:40
#F:MAXBANS:30
#F:MAXSILES:15
#F:HANGONGOODLINK:300
#F:HANGONRETRYDELAY:10
#F:CONNECTTIMEOUT:90
#F:TIMESEC:60
#F:MAXIMUM_LINKS:1
#F:PINGFREQUENCY:120
#F:CONNECTFREQUENCY:600
#F:DEFAULTMAXSENDQLength:40000
#F:GLINEMAXUSERCOUNT:20
#F:MPATH:ircd.motd
#F:RPATH:remote.motd
#F:PPATH:ircd.pid
#F:VIRTUAL_HOST:FALSE
#F:TOS_SERVER:0x08
#F:TOS_CLIENT:0x08
#F:POLLS_PER_LOOP:200
#F:CRYPT_OPER_PASSWORD:TRUE
#F:OPER_NO_CHAN_LIMIT:TRUE
#F:OPER_MODE_LCHAN:TRUE
#F:OPER_WALK_THROUGH_LMODES:FALSE
#F:NO_OPER_DEOP_LCHAN:FALSE
#F:SHOW_INVISIBLE_USERS:TRUE
#F:SHOW_ALL_INVISIBLE_USERS:TRUE
#F:UNLIMIT_OPER_QUERY:FALSE
#F:LOCAL_KILL_ONLY:FALSE
#F:CONFIG_OPERCMDs:FALSE
#F:OPER_KILL:TRUE
#F:OPER_REHASH:TRUE
#F:OPER_RESTART:TRUE
#F:OPER_DIE:TRUE
#F:OPER_GLINE:TRUE
#F:OPER_LGLINE:TRUE
#F:OPER_JUPE:TRUE
#F:OPER_LJUPE:TRUE
#F:OPER_OPMODE:TRUE

#F:OPER_LOPMODE:TRUE
#F:OPER_FORCE_OPMODE:TRUE
#F:OPER_FORCE_LOPMODE:TRUE
#F:OPER_BADCHAN:FALSE
#F:OPER_LBADCHAN:FALSE
#F:OPER_SET:FALSE
#F:OPERS_SEE_IN_SECRET_CHANNELS:TRUE
#F:OPER_WIDE_GLINE:TRUE
#F:LOCOP_KILL:TRUE
#F:LOCOP_REHASH:TRUE
#F:LOCOP_RESTART:FALSE
#F:LOCOP_DIE:FALSE
#F:LOCOP_LGLINE:TRUE
#F:LOCOP_LJUPE:TRUE
#F:LOCOP_LOPMODE:TRUE
#F:LOCOP_FORCE_LOPMODE:TRUE
#F:LOCOP_LBADCHAN:FALSE
#F:LOCOP_SET:FALSE
#F:LOCOP_SEE_IN_SECRET_CHANNELS:FALSE
#F:LOCOP_WIDE_GLINE:FALSE
#F:HIS_MAP:TRUE
#F:HIS_SNOTICES:TRUE
#F:HIS_SNOTICES_OPER_ONLY:TRUE
#F:HIS_DESYNCS:TRUE
#F:HIS_DEBUG_OPER_ONLY:TRUE
#F:HIS_WALLOPS:TRUE
#F:HIS_LINKS:TRUE
#F:HIS_TRACE:TRUE
#F:HIS_STATS_l:TRUE
#F:HIS_STATS_c:TRUE
#F:HIS_STATS_g:TRUE
#F:HIS_STATS_h:TRUE
#F:HIS_STATS_k:TRUE
#F:HIS_STATS_f:TRUE
#F:HIS_STATS_i:TRUE
#F:HIS_STATS_j:TRUE
#F:HIS_STATS_M:TRUE
#F:HIS_STATS_m:TRUE
#F:HIS_STATS_o:TRUE
#F:HIS_STATS_p:TRUE
#F:HIS_STATS_q:TRUE
#F:HIS_STATS_r:TRUE
#F:HIS_STATS_d:TRUE
#F:HIS_STATS_e:TRUE
#F:HIS_STATS_t:TRUE
#F:HIS_STATS_T:TRUE
#F:HIS_STATS_u:FALSE
#F:HIS_STATS_U:TRUE
#F:HIS_STATS_v:TRUE
#F:HIS_STATS_w:FALSE
#F:HIS_STATS_x:TRUE
#F:HIS_STATS_y:TRUE
#F:HIS_STATS_z:TRUE
#F:HIS_WHOIS_SERVERNAME:TRUE
#F:HIS_WHOIS_IDLETIME:TRUE
#F:HIS_WHOIS_LOCALCHAN:TRUE
#F:HIS_WHO_SERVERNAME:TRUE
#F:HIS_WHO_HOPCOUNT:TRUE
#F:HIS_BANWHO:TRUE
#F:HIS_KILLWHO:TRUE

#F:HIS_REWRITE:TRUE
#F:HIS_REMOTE:1
#F:HIS_NETSPLIT:TRUE

Bibliografie:

www.coder-com.undernet.org

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