

Forum:[Hack Forums](#)

Thread: [\[NooB FrienDly\] How to Install a IRC Server & Remove Connection Limit \[NooB FrienDly\]](#)

Fukushima - June 26, 2010, 1:08 am

This is a tutorial on how to install a IRC Server, as well as remove the hard connection limit to allow over 1024 connections at one time.

What you will need:

A VPS with linux and a root account

IRCD Software (im using Unkn0wn's modded Ircd.) Found [HERE](#)

Putty or some other SSH client, as well as a SSH FTP client. Im using FlashFXP Beta.

Ok now to startLog into your vps with the root account with putty. If this is your first time logging into your server it will ask you to accept the SHA1 fingerprint. Just do it :)

Now that you are logged in, make sure that you have gcc, gcc-c++, and kernel-devel installed. Use your install command based on the OS you are using. I am using CentOS 5 so my install command is "yum install".

[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/2-2.png[/img]

I would also install nano if it isnt already, its an easy text editor to use, also make sure the package "make" is installed too.

It will ask if you want to install, type Y and it will install.

Now its time to FTP through SSH.

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/4-2.png[/img]

If this is your first time logging into your server it will ask you to accept the SHA1 fingerprint. I have already done this.

You will be put in the root directory. Upload the Unreal3.2 folder that you get from the RAR archive at the top of the thread. Once that is finished uploading, go into that folder.

You will have to change the permission's on 3 of the files, unreal, Config and configure. Right click each file, and change the checkmarks to look like mine.

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/6-3.png[/img]

And

Spoiler [\(Click to View\)](#)

[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/7-1.png[/img]

Once that is done, go back into putty and type ls to make sure the Unreal3.2 folder is in there.

Good, its in there. You can go to that folder by typing:

Code:
cd Unreal3.2

Now we will change the hardlimit before we compile and install the IRCD.

We will do this by first typing

Code:
nano /usr/include/bits/typesizes.h

and scrolling down and change

Code:
#define __FD_SETSIZE 1024

To whatever you want, I did

Code:
#define __FD_SETSIZE 12000

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/18.png[/img]

We do the next part by typing:

Code:
nano /etc/security/limits.conf

Now that we are in there, scroll all the way down by using the arrow keys.
Once you are down there, type:

Code:
root hard nfile 12000
root soft nfile 12000

This alters the limit. You can change it to whatever you want, the highest I have tried is 12000. To save and exit, press ctrl-x. When it say do you want to save, hit Y. Then just hit enter.

[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/8-1.png[/img]

Now you need to exit the putty and resign into your root account. Type:

Code:
ulimit -n

And if all goes well then you will see the number you put in putty in the limits.conf file.

Once that has shown up, type cd Unreal3.2 again to get back to the folder. Once you are in there type

Code:
./Config

It will say to press enter, do that.

Just hold enter through all this readme shit, you dont need it.

Then it will start asking questions, you dont need to change anything except for one value, this is very important.

Change it to the value you changed it to with the ulimit function.

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/13.png[/img]

Press enter again and again until the compiler starts running. It will look like this.

Once its done, all you have to do is type "make" and then hit enter. More shit will stream down the screen.

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/15.png[/img]

Once done it will look like this:

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/16.png[/img]

Now type this:

Code:

```
nano unrealircd.conf
```

Edit these parts, really the only ones that need to be edited.

Code # ##

```
# # Class Block  #
```

```
# ##
```

```
class clients
```

```
{
```

```
    pingfreq 90;
```

```
    maxclients 12000;
```

```
    sendq 100;
```

```
    recvq 4000;
```

```
};
```

Edit it to whatever values you changed the limit to.

And this block.

Code # ##

```
# # Operator Block  #
```

```
# ##
```

```
oper Yourusername {
```

```

class clients;
from {
    userhost *@*;
};
password "Yourpassword";
flags
{
    global;
    services-admin;
    can_rehash;
    can_die;
    can_restart;
    helpop;
    can_wallops;
    can_globops;
    can_localroute;
    can_globalroute;
    can_localkill;
    can_globalkill;
    can_kline;
    can_gzline;
    can_gkline;
    can_unkline;
    can_localnotice;
    can_globalnotice;
    netadmin;
    can_zline;
    get_umodew;
    get_host;
    can_override;
};
snomask *;
maxlogins "2";
};

```

All that is left is to start the server. You achieve this by typing:

Code:

```
./unreal start
```

If you get this screen, nothing went wrong and your server is now up! Now all you have to do is connect to your server using an IRC client.

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[img]http://i27.photobucket.com/albums/c173/BlueKarnivor04/TuTs/19.png[/img]

I hope this helped you, Enjoy!

JoK?R - June 26, 2010, 1:15 am

Very good share man you made this very detailed and easy to follow.

Fukushima - June 26, 2010, 1:19 am

Thanks, i hope it helps some people.

Prank Calling - June 26, 2010, 1:24 am

I will be using this TuT very soon :) I just book marked it thanks for the share.

????? - June 26, 2010, 4:48 am

ub3R, this tutorial is awesom, it actually helped me, thank you so very much....

Fukushima - June 26, 2010, 7:22 am

Glad it helped silentstorm1 =)

le@rner - June 26, 2010, 12:10 pm

Can i ban other users from flash chat room without using admin and mods id???

Fukushima - June 26, 2010, 8:33 pm

(Jun 26, 2010 12:10 PM)Jawwad Wrote: [\[CITE\]](#) Can i ban other users from flash chat room without using admin and mods id???

I'm not sure, i don't use Flash chat.

hacker_10101 - June 26, 2010, 10:11 pm

Very good share man you made this very detailed and easy to follow

Fukushima - July 3, 2010, 5:14 am

Bump.

2.

da.

top.

lol

Spoiler [\(Click to View\)](#)BUMP

Vaksar - July 3, 2010, 5:33 am

Very good and detailed ! Rated !

Edit: Wasn't Unreal 3.2 backdoored ?

Da Loser - July 3, 2010, 6:06 am

You make this tut, yet you have about 5 threads asking.

how to setup ircd..

(Jul 3, 2010 05:33 AM)[censored] Security Wrote: [\[CITE\]](#) Very good and detailed ! Rated !

Edit: Wasn't Unreal 3.2 backdoored ?

Only the win32 version was backdoored.

.-

Vaksar - July 3, 2010, 6:22 am

(Jul 3, 2010 06:06 AM)BlaiR Wrote: [\[CITE\]](#) You make this tut, yet you have about 5 threads asking.

how to setup ircd..

Only the win32 version was backdoored.

.-? Just wanted to clear that out for people ?

Fukushima - July 3, 2010, 6:31 am

Reported your post BlaiR. And no this modded version of Unkn0wn is totally safe and working, im using it myself.

Capt?in - July 3, 2010, 10:58 am

This is really great share and well explained.Thanks

Fukushima - July 9, 2010, 12:50 am

no problem, need any help let me know.

Lasso - July 25, 2010, 12:27 am

Well I understood it clearly, but I wouldn't say it's very noob friendly. Great share however, thanks.

Ghost Hack?r - July 25, 2010, 1:09 am

Nice one man. Well Detailed and neat.

Bookmarked it. ?

Fukushima - August 2, 2010, 3:09 pm

Bump.

2.

da.

top.

lol

Spoiler [\(Click to View\)](#)bUmP

ousdre12 - August 2, 2010, 4:00 pm

very good tut and easy to fallow

Fukushima - August 14, 2010, 1:55 am

I have alot of people asking me how to setup irc for the linux vps so i hope this helps.

Spoiler [\(Click to View\)](#)bump to the top

.ZEF - August 15, 2010, 1:50 am

You should probally say somewhere that you need to update your OS completely or you will have problems with the make command at the end. Also, nothing about load modules, class clients or anything like that?

Cryptic - August 15, 2010, 6:09 am

Woot, I got it working!

Although the hostname is irc.priv8net.com, and how do I make it so you are directed into a channel when you join?

Thanks

Fukushima - August 15, 2010, 7:15 am

(Aug 15, 2010 06:09 AM)Cryptic™ Wrote: [\[CITE\]](#) Woot, I got it working!

Although the hostname is irc.priv8net.com, and how do I make it so you are directed into a channel when you join?

Thanks

you can change the hostname in nano unrealircd.conf

Mushies - August 15, 2010, 6:02 pm

i cant get the server to start. i go into the folder, cd Unreal3.2

then i type ./unreal start, and i get:

./unreal: No such file or directory

helppp

Cryptic - August 15, 2010, 10:55 pm

Also, does anyone know how to setup a MOTD?

How can I go back to the edit thingy for unrealircd.conf? I'm so confused. Thanks

Irion - August 29, 2010, 10:02 am

Thanks for this tutorial. I have been following it.

Though, I'm having a problem once my server is up & running, I try to connect via my mIRC client and I'am getting this error :

My Stupid IRC Server Wrote:* Connecting to XXX.XX.XXX.XX (8080)

-

-XXX.XX.XXX.XX- * Looking up your hostname...

-

-XXX.XX.XXX.XX- * Found your hostname (cached)

-

* Disconnected

XXX.XX.XXX.XX is the IP of the server I want to connect to, of course.

And it keeps doing that, from any client or any computer/network ..

Do you have any ideas ?

albanskaglhf - September 22, 2010, 11:39 am

this is tuto in vps linux right :) but alot of noobs using vps windows make a tuto in windows cause this is profi:)

good tuto

srgraja - September 22, 2010, 11:50 am

thanks alot , really nice

Cryptic - November 5, 2010, 5:30 am

Used this guide again. It's so good.

raamee - November 5, 2010, 7:10 am

A very clear-cut tutorial on how to install IRC server.Thanks.

Jordyboy - November 5, 2010, 7:49 am

If you use Ubuntu the command you would need to use are.

sudo apt-get update (Hopefully you will get all below installed if not follow with them)

sudo apt-get install gcc gcc++

sudo apt-get install build-essential

sudo apt-get install nano

Fukushima - December 31, 2010, 2:51 pm

Bump.

2.

da.

top

aga4tgt

aw4taw4twa4tw4tw4tw4taw34t

4wtwtw4taw4t

jocccca - January 1, 2011, 5:52 am

keep it up a good work, nice...

Fukushima - January 1, 2011, 7:42 pm

(Jan 1, 2011 06:52 AM)jocccca Wrote: [\[CITE\]](#) keep it up a good work, nice...

Glad it could help. ?

slimshadyLP - January 2, 2011, 2:55 am

great tut but i don't have VPS :p

i installed it on my home computer

sumit8510 - January 2, 2011, 3:53 am

Thanks bro.

It's too nice guide.

CmdXz - February 3, 2011, 9:46 am

Thanks for the tut, With just a quick search i found a couple commands so i could use this tutorial for every(just about) linux OS

Cryptic - April 2, 2011, 5:53 am

Thank you once again. Have used this tutorial like 3 times now :D

BlueFlies - April 2, 2011, 6:09 am

nice tut :-) it will help people nice man :-D

Raijin - April 21, 2011, 9:49 pm

Sorry for the but the download link is dead =/ account suspended.

N3me\$!s - May 4, 2011, 6:24 am

(Apr 21, 2011 09:49 PM)BizzyX Wrote: [\[CITE\]](#) Sorry for the but the download link is dead =/ account suspended.

we will find it somewhee else..

nice tut!!

Cryptic - July 20, 2011, 8:34 pm

IRCD link is dead, oh no!

Belguim - July 20, 2011, 8:58 pm

Thank you so much for this tutorial.

tornmage - October 22, 2012, 4:33 pm

Thanks for the tut bro! Helped me out a ton!

thatoneguy64 - December 18, 2013, 12:44 pm
thanks for the tutorial :) will try it out

CorrixHD - November 26, 2014, 9:01 am
after I typed ./start...

```
Loading IRCd configuration ..  
unrealircd.conf:22: Ignoring extra data  unrealircd.conf:23: Ignoring extra data  
unrealircd.conf:24: Ignoring extra data  
[error] unrealircd.conf: Unexpected EOF for section starting on line 16  
[error] Could not load config file unrealircd.conf  
[error] IRCd configuration failed to load  
Possible error encountered (IRCd seemingly not started)
```

=====

Check above for possible errors, and this output of
ircd.log. If you cannot solve the problem, read
Unreal.nfo on where to get support

=====

```
tail: cannot open `/root/Unreal3.2.10.3/ircd.log' for reading: No such file or directory
```