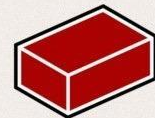


How to Redbrick

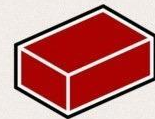
IRC Clients, Multiplexers, Web Hosting,
Development

(Pictures may be taken)



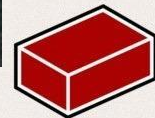
Redbrick
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Does anyone need a redbrick login or password?



Redbrick

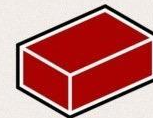
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Redbrick
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Login

How to ssh

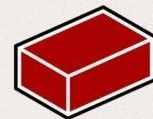


Redbrick
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Type this in your terminal

```
tom ~ ssh grace@redbrick.dcu.ie  
grace@redbrick.dcu.ie's password: _
```

Your password won't show up for those damn
screenwatchers



Redbrick
DCU's Networking Society

```
-----[ Welcome to RedBrick! ]-----  
- No message of the day -  
-----[ Logged onto: Pygmalion ]-----
```

```
-----[ Need Help? ]-----  
| A quick guide on how to use RedBrick is available at any time by |  
| typing in the word help (followed by RETURN) at the prompt below |  
-----[ http://helpdesk.redbrick.dcu.ie ]-----
```

Storage space report for your RedBrick account:

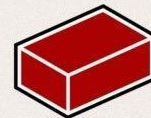
```
storage: |== | 7%, 69MB used, 907MB free  
greenday@pygmalion:~$ _
```

Changing your password

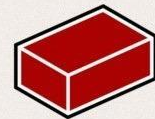
To change your password we run the following command:

```
greenday@azazel:~$ passwd
Enter login(LDAP) password:
New password:
Re-enter new password:
LDAP password information changed for greenday
passwd: password updated successfully
greenday@azazel:~$ _
```

Note that your password
doesn't show up.

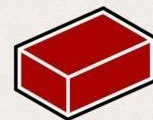


Multiplexers



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- A terminal multiplexer is used so that you can have multiple terminals open but in the one terminal window
- A terminal multiplexer is also used to keep your processes running when you logout
- You will want to keep this open

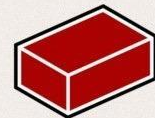


Tmux

- Better plugins
- Scriptable
- Already set up, just type

```
greenday@azazel:~$ tmux_
```

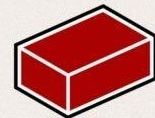
- to get it going



To use multiple windows

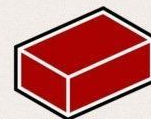
We press the prefix <ctrl> + b then:

- c to create new window
- n to go to the next window

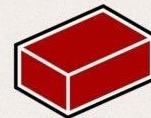


WebSPACE

- Open up the FTP Client (Winscp and filezilla)
- Login to
 - Host: redbrick.dcu.ie
 - User: RedbrickUsername
 - Pass: RedbrickPassword
 - Port: 22



- Navigate to `public_html/` (it's in your home directory)
- Drag and drop your file to upload or select from the filesystem



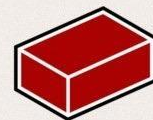
To put files there locally

```
cd ~/public_html
```

```
nano index.html
```

Don't forget to save with <ctrl>+x

Write your great website



To allow us to see the site

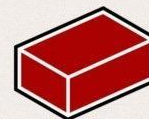
- SSH into the Redbrick
- In your home directory (~) enter the following commands:

```
greenday@azazel:~$ chmod 755 public_html/_
```

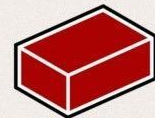
- Make index.html file and cd to public_html

```
greenday@azazel:~/public_html$ chmod 644 public_html/index.html_
```

- This sets permissions for the folder and file



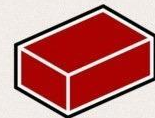
Now look on
redbrick.dcu.ie/~greenday



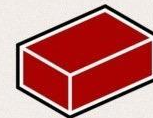
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What can't you do?

- You cannot host pornographic images
- You cannot post anything illegal
- You cannot make a profit from anything that you host



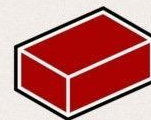
But it's
free
for everyone



Redbrick
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Games in Redbrick

There are loads of games on Redbrick to distract you from your real work



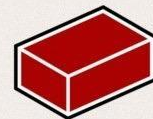
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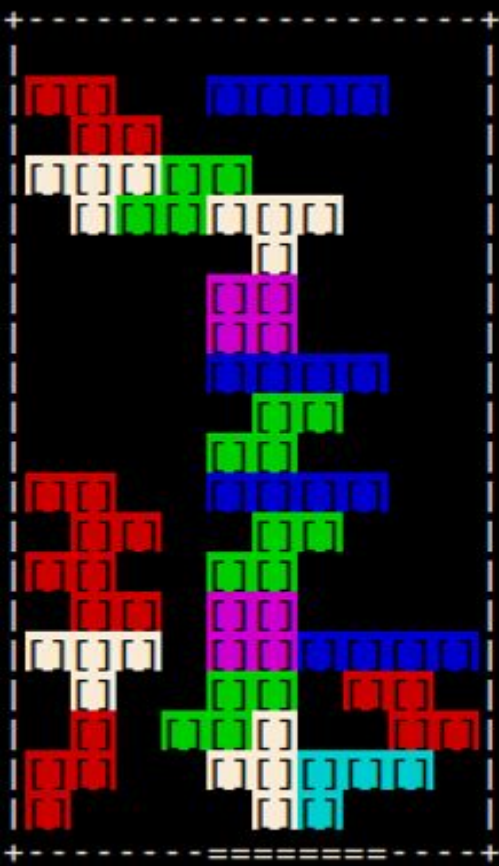
To find them, type:

```
greenday@azazel:~$ ls /usr/games_
```

This will display all the games. To play simply:

```
greenday@azazel:~$ netris_
```





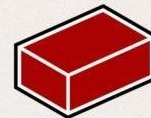
Seed: 1477394881
Speed: 300ms

My lines: 0/ 0
Won: 0
Lost: 0

12:28 PM

Development

We have a server for that



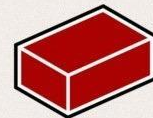
Redbrick

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Pygmalion

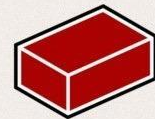
This has many compilers and languages ready to go. These include (Java, python, go)

```
grace@azazel (~) -> ssh pyg
```



IRC Clients

Weechat

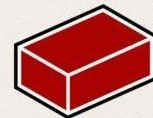


Redbrick

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Weechat

- Command Line irc client
- It allows for easier customisation
- Has great plugin support



Weechat

- To get started ssh into pygmalion

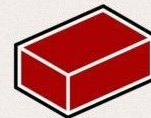
```
grace@azazel (~) -> ssh pyg
```

Then run this:

```
grace@pygmalion (~) -> ~edu/confweechat
```

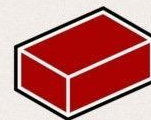
Finally:

```
grace@pygmalion (~) -> weechat
```



Weechat

- Run “/script install <Plugin_name>” in Weechat:
 - **iset.pl** - nice interface for changing settings
 - **buffers.pl** - channel list
 - **screen_away.pl** - sets away status when you detach from screen
 - **cmdind.pl** -tells you its command or message
 - **pushover.pl** - notification center
- Remember to /save when you update settings



```
1 chat
2 weechat
3 redbrick
4 #events
5 #helpdesk-admin
6 #random
7 #committee
8 #general
9 #webgroup
10 #lobby
11 #helpdesk
12 #bots
13 #weechat
14 #ca1
15 #ca2
16 #ca3
17 #ca4
18 #mechanicalkeyboards
19 #gamessoc
20 relay.list
21 pints



17:29:19 weechat relay: new client on port 8888: 7/weechat/127.0.0.1
17:29:28 weechat relay: new client on port 8888: 8/weechat/127.0.0.1
17:30:46 weechat relay: new client on port 8888: 9/weechat/127.0.0.1
17:30:46 weechat =! relay: reading data on socket for client 8/weechat/127.0.0.1: error 1826 (connection closed by peer)
17:30:46 weechat relay: disconnected from client 8/weechat/127.0.0.1
17:31:33 weechat [pushover] Error: API call failed. (Most likely the service is having trouble.)
17:32:11 weechat relay: new client on port 8888: 10/weechat/127.0.0.1
17:32:11 weechat =! relay: reading data on socket for client 9/weechat/127.0.0.1: error 842 (connection closed by peer)
17:32:11 weechat relay: disconnected from client 9/weechat/127.0.0.1
17:39:00 weechat relay: new client on port 8888: 11/weechat/127.0.0.1
17:39:00 weechat =! relay: reading data on socket for client 10/weechat/127.0.0.1: error 1353 (connection closed by peer)
17:39:00 weechat relay: disconnected from client 10/weechat/127.0.0.1
17:45:33 weechat =! relay: reading data on socket for client 7/weechat/127.0.0.1: error 29 (connection closed by peer)
17:45:33 weechat relay: disconnected from client 7/weechat/127.0.0.1
17:45:57 weechat =! relay: reading data on socket for client 6/weechat/127.0.0.1: error 29 (connection closed by peer)
17:45:57 weechat relay: disconnected from client 6/weechat/127.0.0.1
18:05:25 weechat relay: new client on port 8888: 12/weechat/127.0.0.1
18:05:25 weechat =! relay: reading data on socket for client 11/weechat/127.0.0.1: error 1764 (connection closed by peer)
18:05:25 weechat relay: disconnected from client 11/weechat/127.0.0.1
18:15:09 weechat relay: new client on port 8888: 13/weechat/127.0.0.1
18:15:09 weechat =! relay: reading data on socket for client 12/weechat/127.0.0.1: error 1851 (connection closed by peer)
18:15:09 weechat relay: disconnected from client 12/weechat/127.0.0.1
18:50:03 weechat =! relay: reading data on socket for client 13/weechat/127.0.0.1: error 29 (connection closed by peer)
18:50:03 weechat relay: disconnected from client 13/weechat/127.0.0.1
18:50:03 weechat screen_away: Screen detached. Setting away status
18:50:03 redbrick -- You have been marked as being away
18:50:03 weechat relay: new client on port 8888: 1/weechat/127.0.0.1
18:50:03 chat -- have been marked as being away
18:50:08 weechat screen_away: Screen attached. Clearing away status
18:50:08 redbrick -- You are no longer marked as being away
18:50:08 chat -- are no longer marked as being away
19:37:03 weechat relay: new client on port 8888: 2/weechat/127.0.0.1
19:40:25 weechat relay: new client on port 8888: 3/weechat/127.0.0.1
19:45:22 weechat relay: new client on port 8888: 4/weechat/127.0.0.1
19:53:21 weechat =! relay: reading data on socket for client 1/weechat/127.0.0.1: error 29 (connection closed by peer)
19:53:21 weechat relay: disconnected from client 1/weechat/127.0.0.1
19:56:47 weechat =! relay: reading data on socket for client 2/weechat/127.0.0.1: error 29 (connection closed by peer)
19:56:47 weechat relay: disconnected from client 2/weechat/127.0.0.1
20:01:13 weechat =! relay: reading data on socket for client 3/weechat/127.0.0.1: error 13 (connection closed by peer)
20:01:13 weechat relay: disconnected from client 3/weechat/127.0.0.1
21:20:00 weechat relay: new client on port 8888: 5/weechat/127.0.0.1
21:35:57 weechat =! relay: reading data on socket for client 4/weechat/127.0.0.1: error 29 (connection closed by peer)
21:35:57 weechat relay: disconnected from client 4/weechat/127.0.0.1
21:44:56 weechat relay: new client on port 8888: 6/weechat/127.0.0.1
21:44:56 weechat relay: disconnected from client 6/weechat/127.0.0.1
21:44:56 weechat relay: new client on port 8888: 6/weechat/127.0.0.1
22:02:19 weechat =! relay: reading data on socket for client 5/weechat/127.0.0.1: error 29 (connection closed by peer)
22:02:19 weechat relay: disconnected from client 5/weechat/127.0.0.1
22:15:03 weechat =! relay: reading data on socket for client 6/weechat/127.0.0.1: error 29 (connection closed by peer)
22:15:03 weechat relay: disconnected from client 6/weechat/127.0.0.1
22:22:55 weechat [pushover] Error: API call failed. (Most likely the service is having trouble.)

22:45:15 | 1:server[chat] | H: 8(15) |
[~]enday) /script buffers.py_

pygmalion 3.13.0 1:WeeChat 1.7-dev* 2:~$ 1096/16033MB [ ] 0.0% 3 days Mon10:45:14 PM 2016-10-24
```

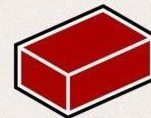


Navigation

- Changing buffers
 - `/buffer *number of buffer you want*`
 - Alt +  / 
 - Alt + J and *number of buffer you want*
 - Takes two keypresses so “01” to go to buffer 1
 - `/join *Name of lobby*`


```
15:04:08 | 2:relay.list |  
/buffer 19  
sh 2:ssh-
```

```
15:23:41 | 22:greenday | H: 19(86) |  
[grace(i)] /join #lobby  
h 2:ssh-
```

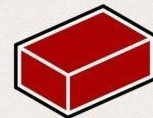


Navigation

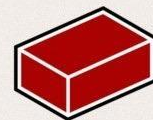
- Messaging
 - /query username (To set up a private buffer)
 - He loves talking to people
 - /msg username does this
 - But doesn't create a log



```
15:07:23 | 2:relay.list | H: 19(10) |
/query zergless
h 2:ssh-
```



Things we don't have time
to do but you should check
out and if you need any help
ask us later in the week
slide

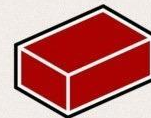


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Ssh key - allow you to login without password

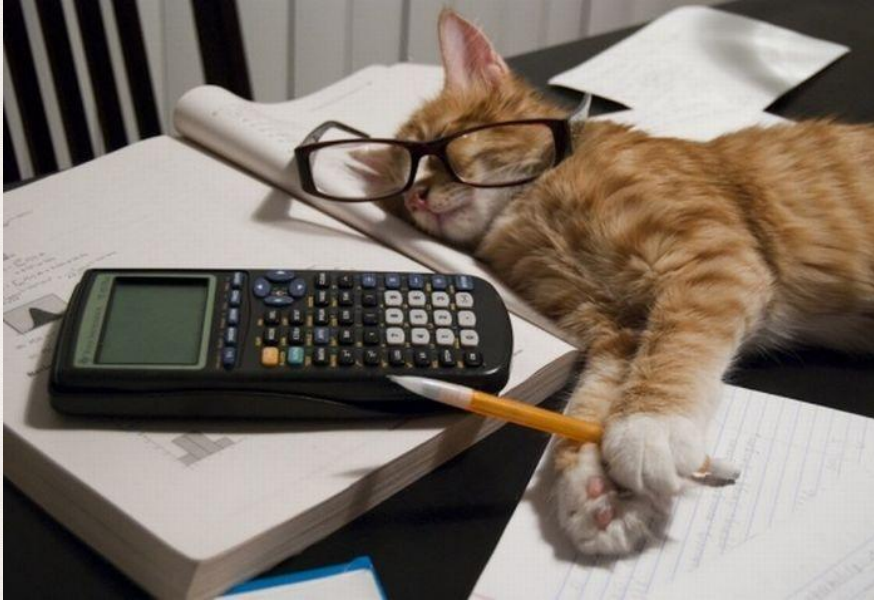
Redbrick wiki - wiki.redbrick.dcu.ie

Weechat app - weechat on your phone
(play store only)

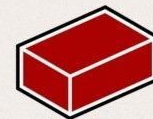


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Questions?



helpdesk@redbrick.dcu.ie



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