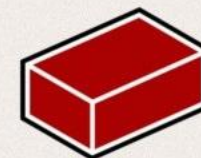


# Intro To Redbrick

Welcome!

This is an interactive talk. Log onto a lab machine or your laptops

# Welcome to Redbrick

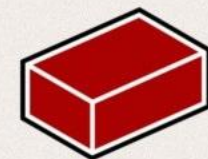


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# Let's meet the committee



# Your chair - James - mctastic



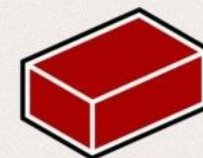
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# Your Secretary - Neven - Branch



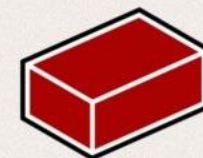


# Your Admin #1 - Tom - greenday



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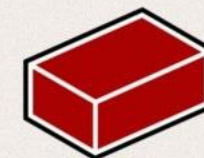
# Your Admin #2 - Ben - mcmahon



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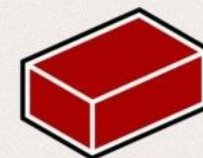
# Your Admin #3 - Lucas - m1cr0man



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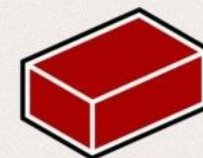
# Your Treasure - Ciara - hexagon



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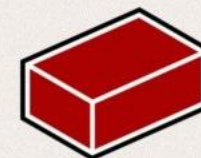
# Your Events Officer - Clíodhna - thegirl



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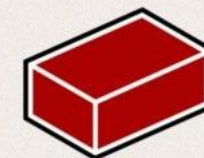


# Your Pro - Josh - sangreal



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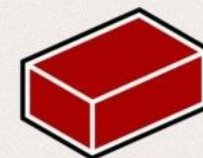
# Your Webmaster - Fraz - Fraz



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# Your Helpdesk - Conor - berns



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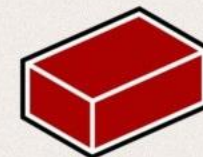
# A word on conduct.. seriously

## **DON'T:**

- Touch anyone else's shell. Seriously.
- Host anything illegal, offensive or otherwise immoral on your shiny new server.
- Intentionally disrupt or interrupt the talk. Raise a hand or wait for a pause to ask questions!

## **DO:**

- Bring friends, roommates, pet rocks... All are welcome! Including rubber ducks
- Ask questions! Don't be shy, we're here to help you!
- Work together! Two heads are (often) better than one.
- Be respectful to us and those around you, everyone is here to have fun.

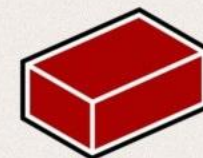
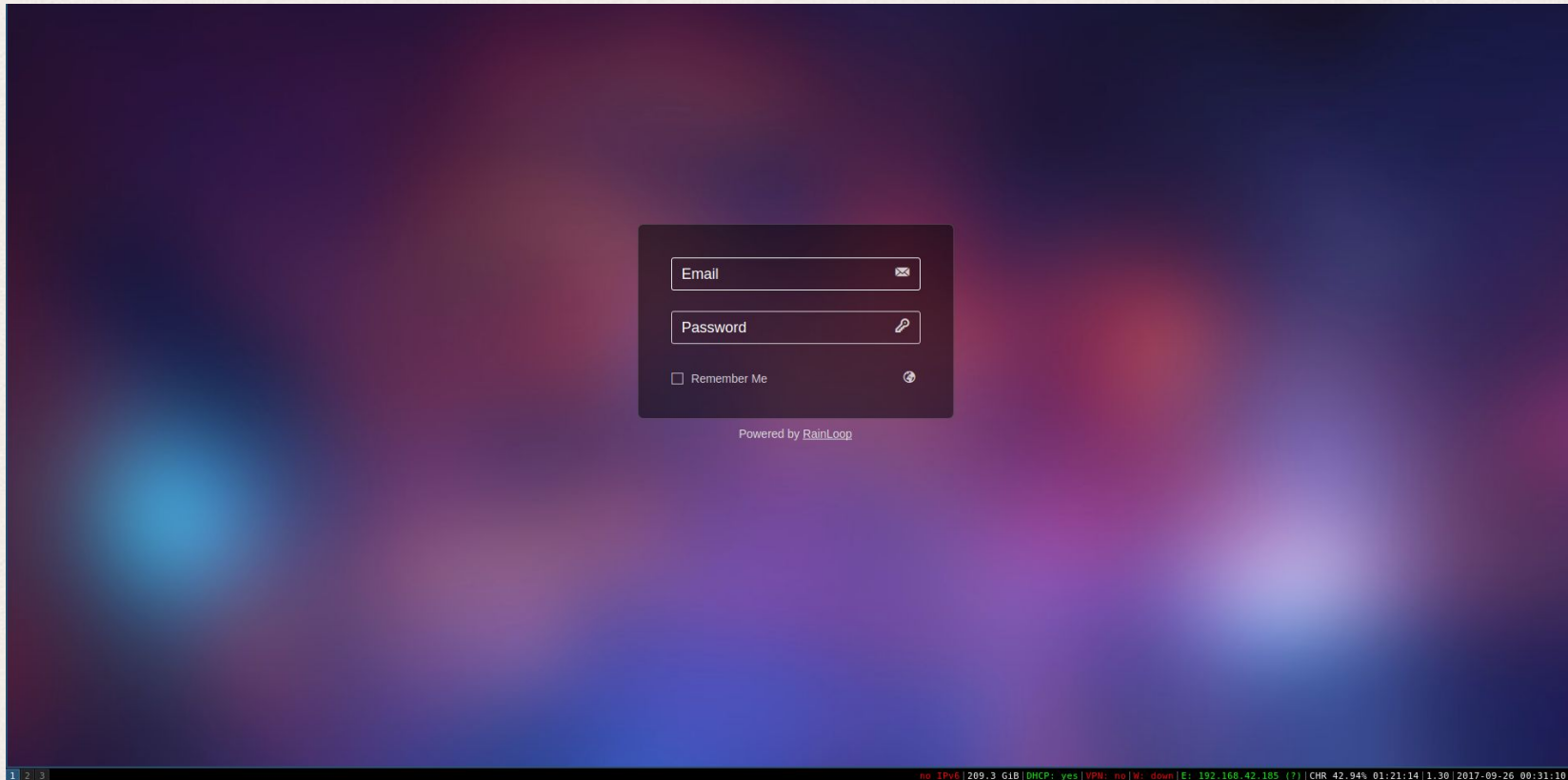


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# Services - Mail

[webmail.redbrick.dcu.ie](http://webmail.redbrick.dcu.ie)



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# Mail

Mail from your redbrick address auto goes to your dcu email  
You can stop this in a terminal on redbrick by typing:

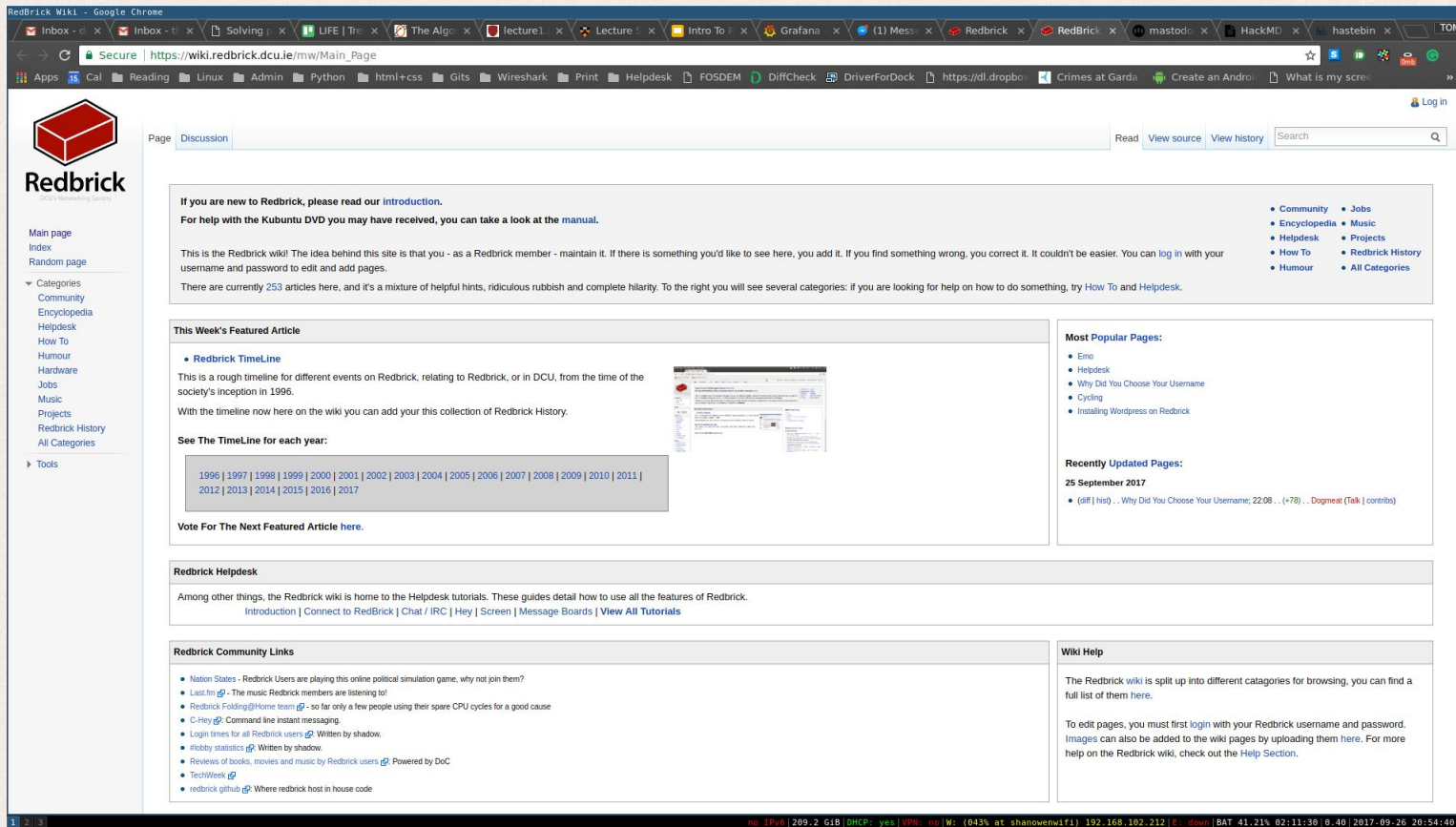
```
forward off
```



# Services - Wiki

Your go to for “How the hell do I do this again?” info

Can be found at : [wiki.redbrick.dcu.ie](https://wiki.redbrick.dcu.ie)

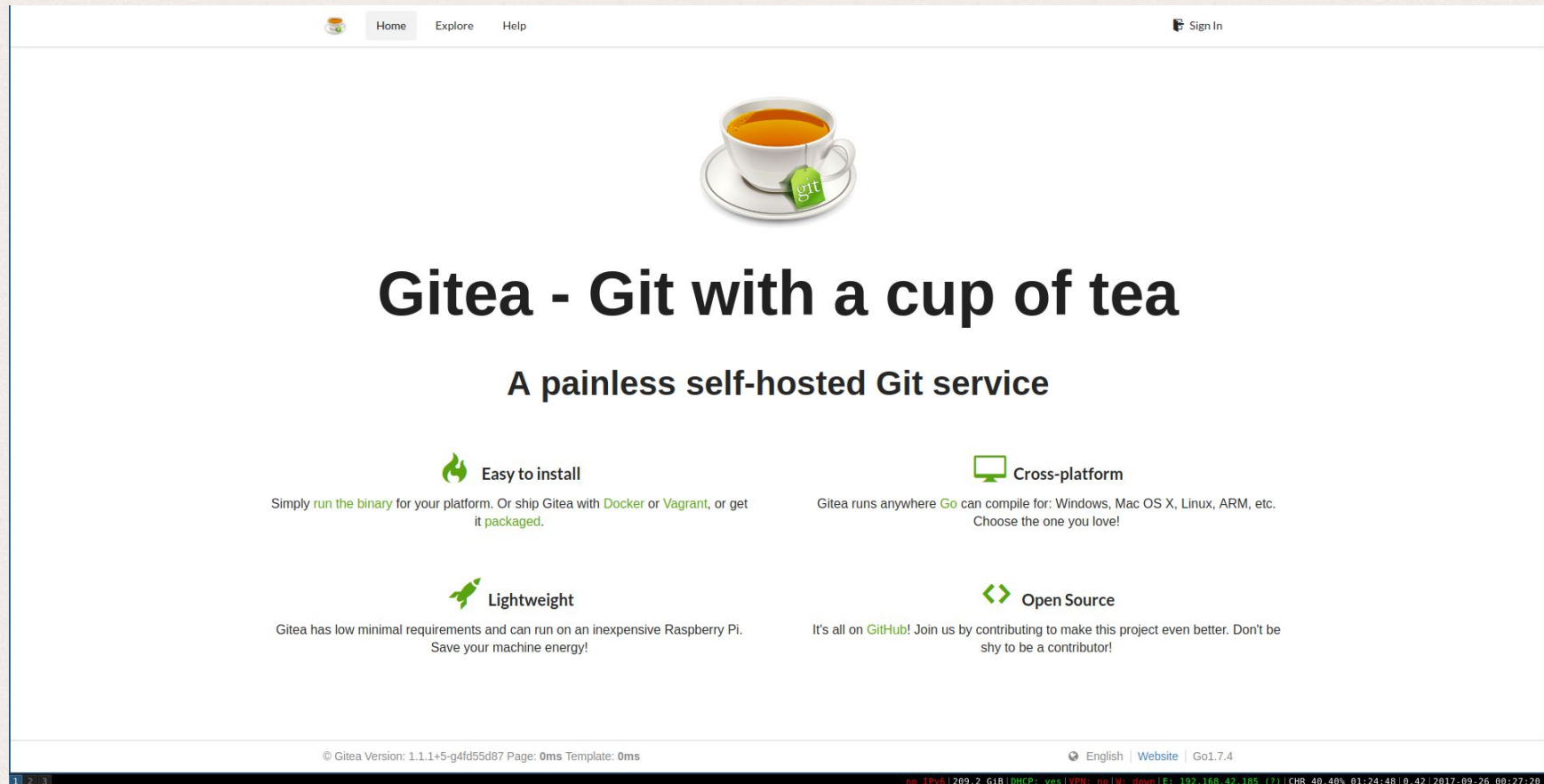


You can login and edit this as you learn. If you find it is out of date, update it. They are all maintained and made by users. Great way to get your toes wet




# Services - Git

git.redbrick.dcu.ie







The screenshot shows the Gitea website interface. At the top, there is a navigation bar with links for Home, Explore, Help, and a Sign In button. The main heading is "Gitea - Git with a cup of tea", accompanied by an illustration of a cup of tea with a "git" tea bag. Below this, a subtitle reads "A painless self-hosted Git service". The page features four key benefits: "Easy to install" (describing the binary and packaging options), "Cross-platform" (listing supported operating systems), "Lightweight" (mentioning Raspberry Pi compatibility), and "Open Source" (encouraging contributions to GitHub). The footer contains version information, language options, and a website link.

Home Explore Help Sign In

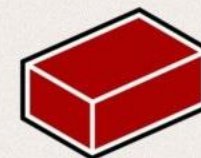


## Gitea - Git with a cup of tea

### A painless self-hosted Git service

-  **Easy to install**  
Simply [run the binary](#) for your platform. Or ship Gitea with [Docker](#) or [Vagrant](#), or get it [packaged](#).
-  **Cross-platform**  
Gitea runs anywhere [Go](#) can compile for: Windows, Mac OS X, Linux, ARM, etc. Choose the one you love!
-  **Lightweight**  
Gitea has low minimal requirements and can run on an inexpensive Raspberry Pi. Save your machine energy!
-  **Open Source**  
It's all on [GitHub](#)! Join us by contributing to make this project even better. Don't be shy to be a contributor!

© Gitea Version: 1.1.1+5-g4fd55d87 Page: 0ms Template: 0ms English Website Go1.7.4

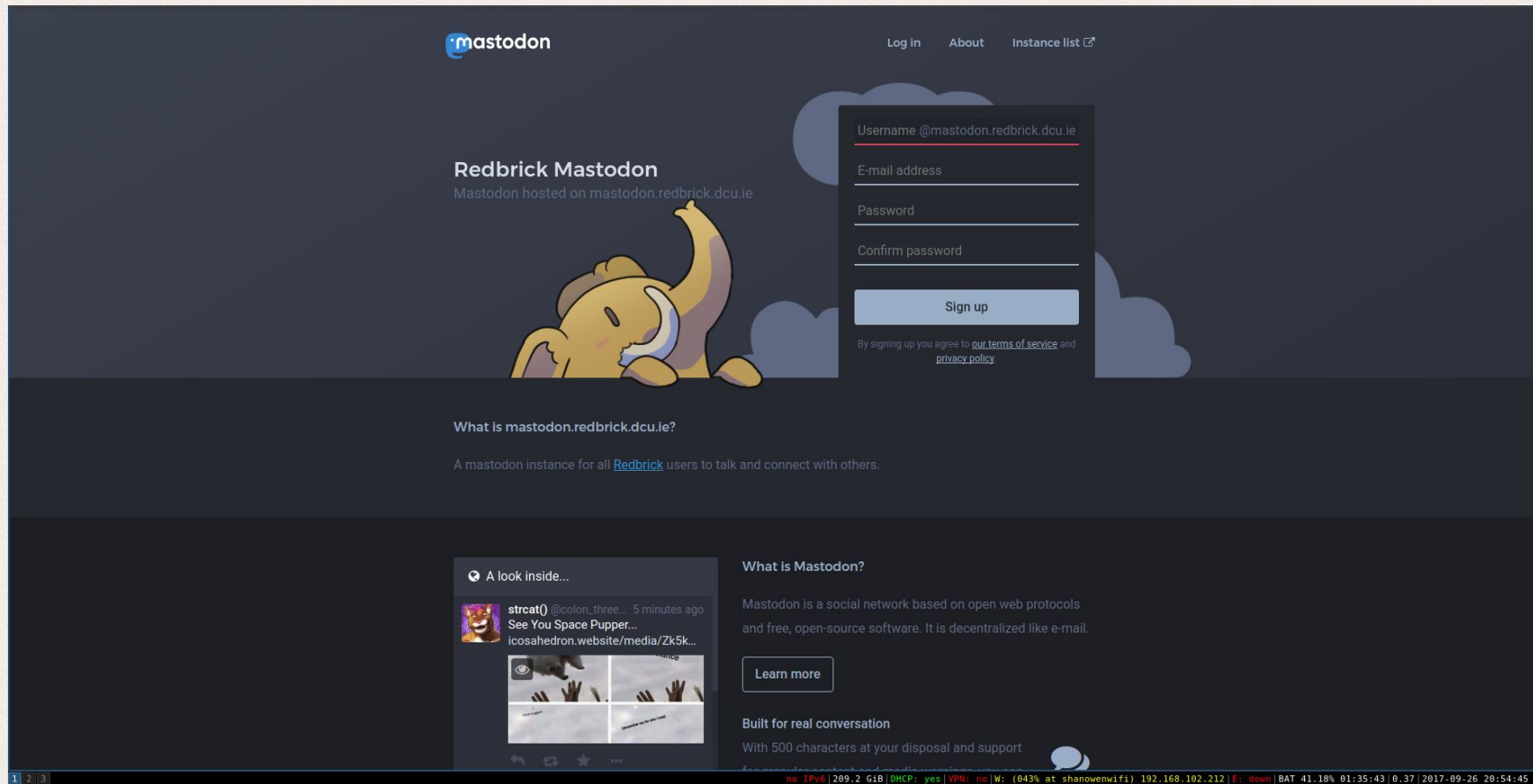


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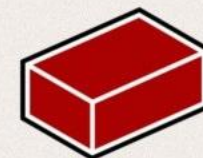


# Services - Mastodon - FOSS Twitter

mastodon.redbrick.dcu.ie



The screenshot shows the Mastodon web interface for the instance mastodon.redbrick.dcu.ie. At the top, there's a navigation bar with the Mastodon logo, 'Log in', 'About', and 'Instance list' links. The main header area features the instance name 'Redbrick Mastodon' and a description 'Mastodon hosted on mastodon.redbrick.dcu.ie' next to a cartoon illustration of a yellow elephant. A central modal box contains a sign-up form with fields for 'Username' (pre-filled with '@mastodon.redbrick.dcu.ie'), 'E-mail address', 'Password', and 'Confirm password', followed by a 'Sign up' button. Below the form, a small disclaimer states: 'By signing up you agree to our [terms of service](#) and [privacy policy](#)'. The main content area below the header includes a section titled 'What is mastodon.redbrick.dcu.ie?' with a description: 'A mastodon instance for all [Redbrick](#) users to talk and connect with others.' Further down, there's a post from user 'strcat()' (@colon\_three...) with the text 'See You Space Pupper...' and a video thumbnail. To the right of the post is a 'What is Mastodon?' section explaining that Mastodon is a social network based on open web protocols and free, open-source software, with a 'Learn more' button. At the bottom right, there's a section titled 'Built for real conversation' with the text 'With 500 characters at your disposal and support'. The footer of the page displays technical status information: 'no IPv6 | 209.2 GiB | DHCP: yes | VPN: no | W: (043% at shanowenwif1) 192.168.102.212 | E: down | BAT 41.18% 01:35:43 | 0.37 | 2017-09-26 20:54:45'.

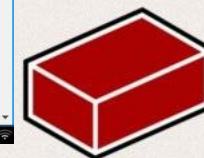
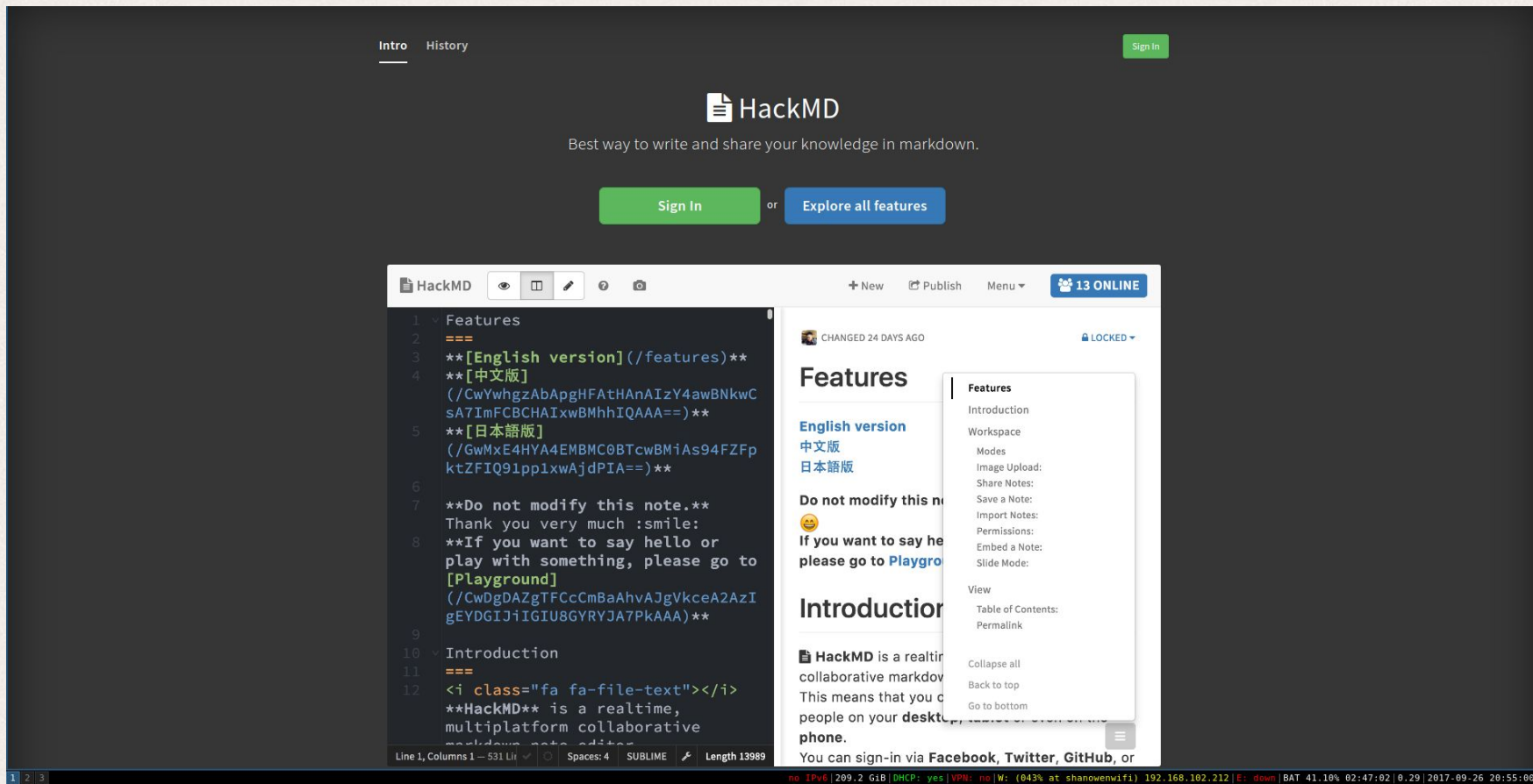


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# Services - HackMD

Markdown editor that offers collab and a very nice side by side view

[md.redbrick.dcu.ie](https://md.redbrick.dcu.ie)



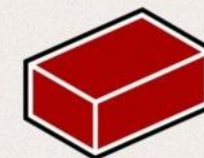
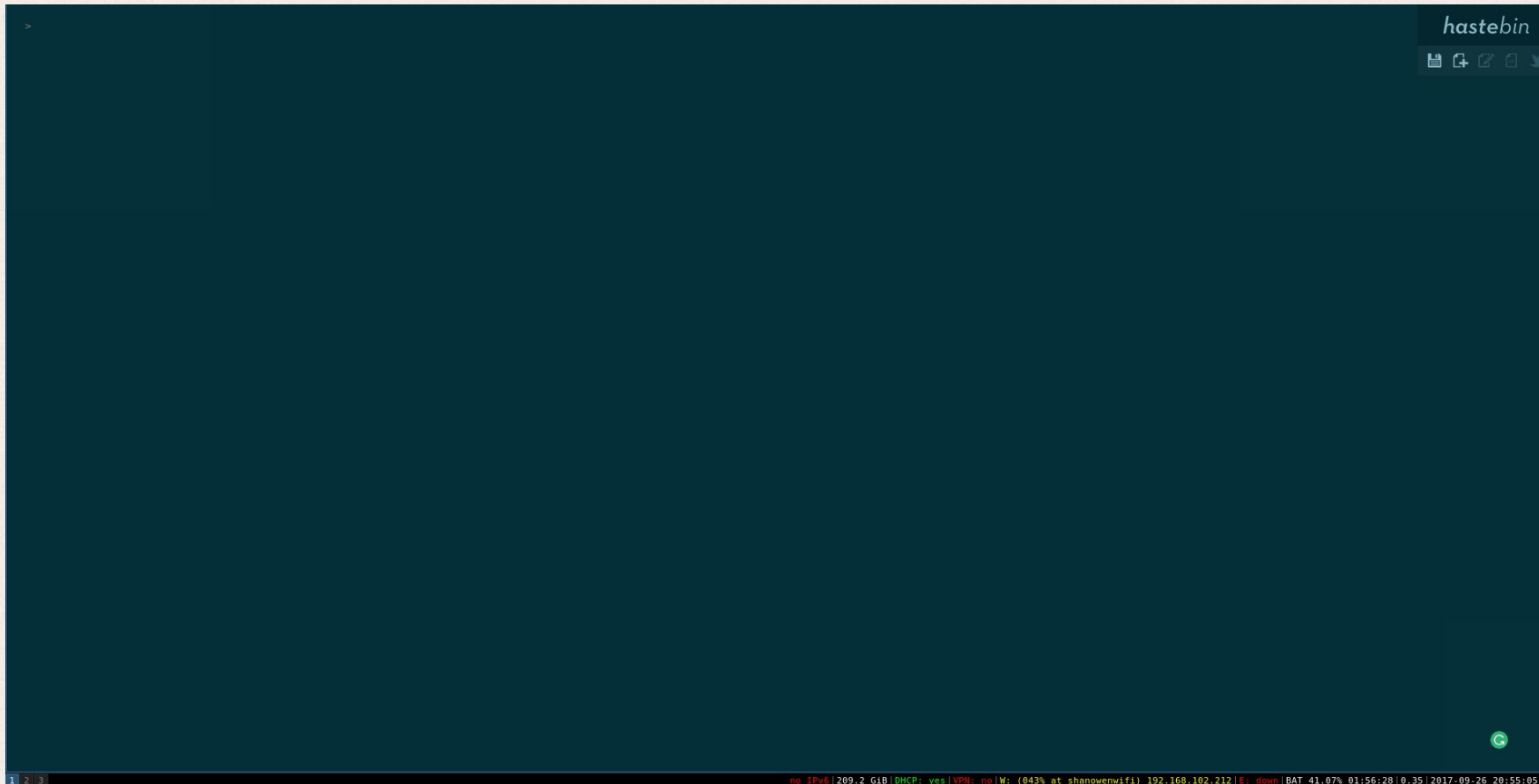
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# Services - hastebin

You paste, you save, you get a link, you share

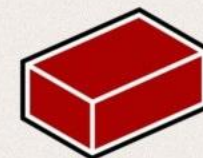
<https://paste.redbrick.dcu.ie>



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# Anyone Lost?

Did we go through that too fast?



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DCU's Networking Society



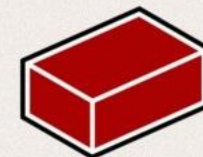
# Let's go get a shell on Redbrick!

# Let's go get a shell on Redbrick!

```
Terminal
saturday-> gorb
greenday@redbrick.dcu.ie's password:
Last login: Tue Oct  2 20:04:58 2018 from 37.228.244.142
-----[ Welcome to Redbrick! ]-----
- No message of the day -
-----[ Logged onto: Azazel ]-----

-----[ 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: |=====| 75%, 1473MB used, 479MB free
~% azazel ~%
```



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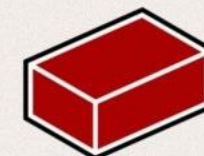
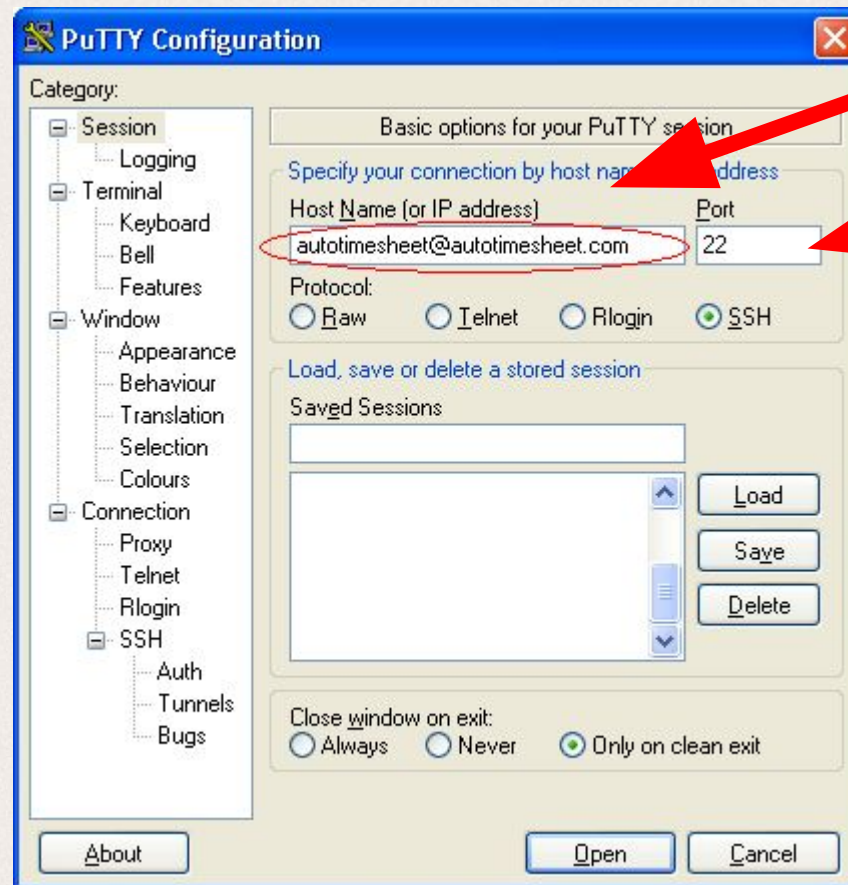
[www.putty.org](http://www.putty.org)

# ...You're on windows

You need to get putty!

redbrick.dcu.ie

22



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# You're on linux or mac?

You need to open a terminal and type:

Make sure this is  
your username

ssh username@redbrick.dcu.ie <enter>

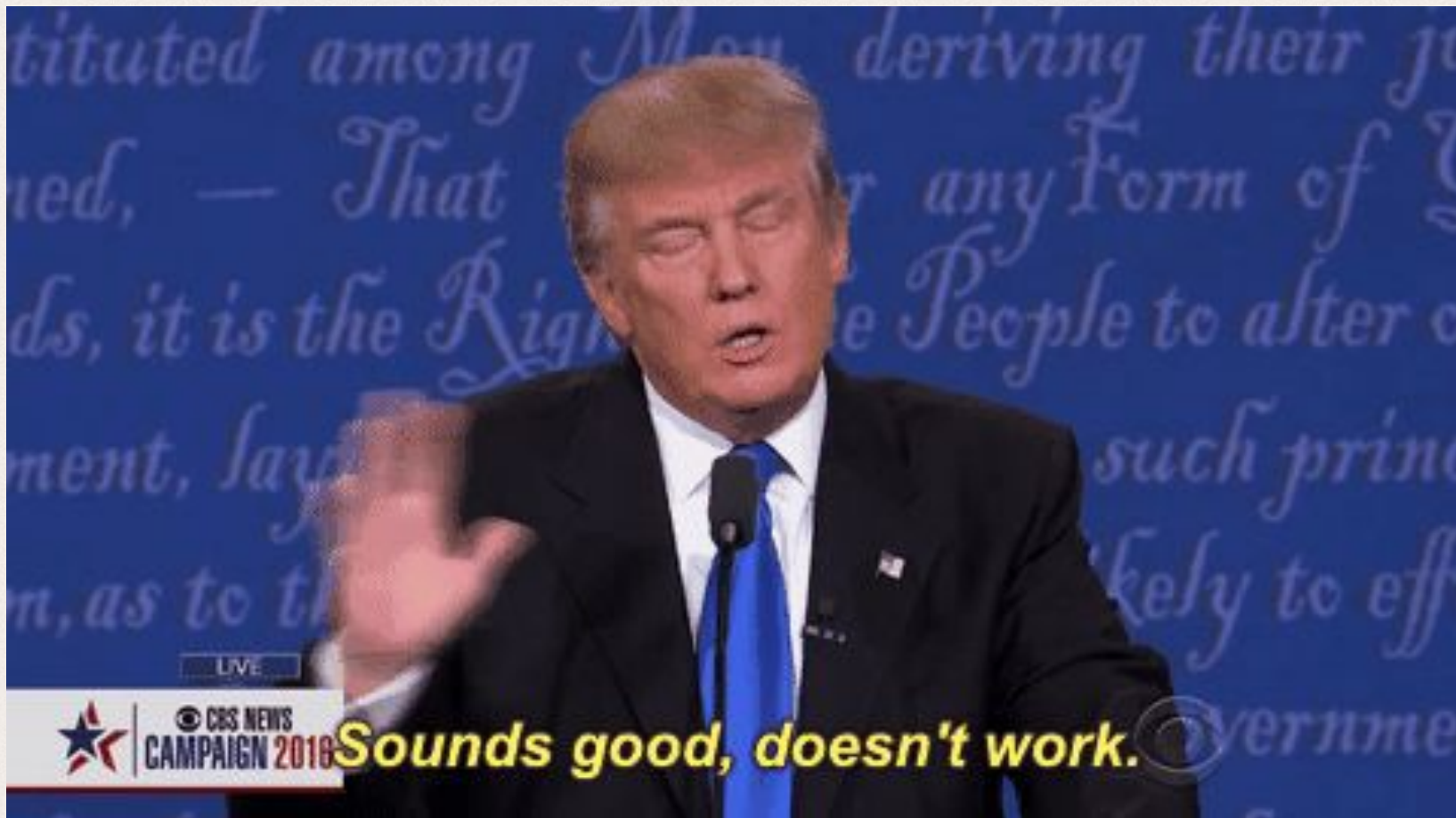
Then enter your password



# What is ssh 0.o

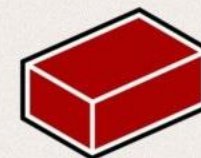


Stands for Secure SHell



If all else fails!

<https://wetty.redbrick.dcu.ie>



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What is this?

What can I do with this?

This is your space on a shared operating system

The operating system is Linux ( ubuntu )

There is no graphics



# You can do

Type the following

```
ls *<enter>*
```

It will show you everything in your directory ( files and folders )

# You can do

You will see → `public_html/`

Type:

```
cd public_html
```

```
nano index.html
```



# You can do

nano is a text editor

One that does not need graphics

Type:

```
<h1> This is my webspace </h1>
```

# You can do

To Save & Exit:

<ctrl> + x

y

<enter>



# You can do

Now go look at <https://www.redbrick.dcu.ie/~yourusername/>  
If you want to get better we will have a talk on making websites

```
chmod 644 index.html
```

# Don't like the name?

Github education pack give you a free .me domain free for a year

With a lot of other cool shit too



# Want to learn how to be your own admin?

Github education pack give you a free cloud machine to do what you want on

I will be running workshops about how set up your own server

Email me to express interest:

[greenday@redbrick.dcu.ie](mailto:greenday@redbrick.dcu.ie)

# Speaking of Github

Redbrick use all open source software

The stuff we do write we mostly keep at [github.redbrick.dcu.ie](https://github.com/redbrick-dcu)



# Speaking of Github

<https://hacktoberfest.digitalocean.com/>

During October Github with Digital Ocean Run Hacktoberfest

If you make a pull request 4 times you get a free t shirt and loads of swag and stickers.

If you contribute to anything we have from docs to our site that also counts!

# What kinda programming do we do?

You learn very quick here language does matter.

The only thing that changes is syntax and we have seen most of it

This is a programming community and we for the most part love problems

If you have a project you wanna make come to us with it. We wanna help your realise it.



# Competitive programming?

We are **not that competitive** about it



I just means solving problems with code in a short amount of time

Most of the time it is us doing practice for interviews

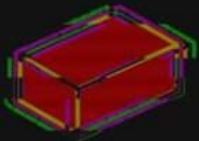
Where you will most likely be asked to code on a whiteboard

(This is years away don't get a fright you will be well able)

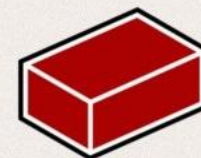
REDBRICK



Hacker Club  
Thursdays @ 16:00  
GLA.L101



We call it Hacker Club



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# We Bring in companies all the time

Microsoft 10th October

Mastercard 17th October

AR talks

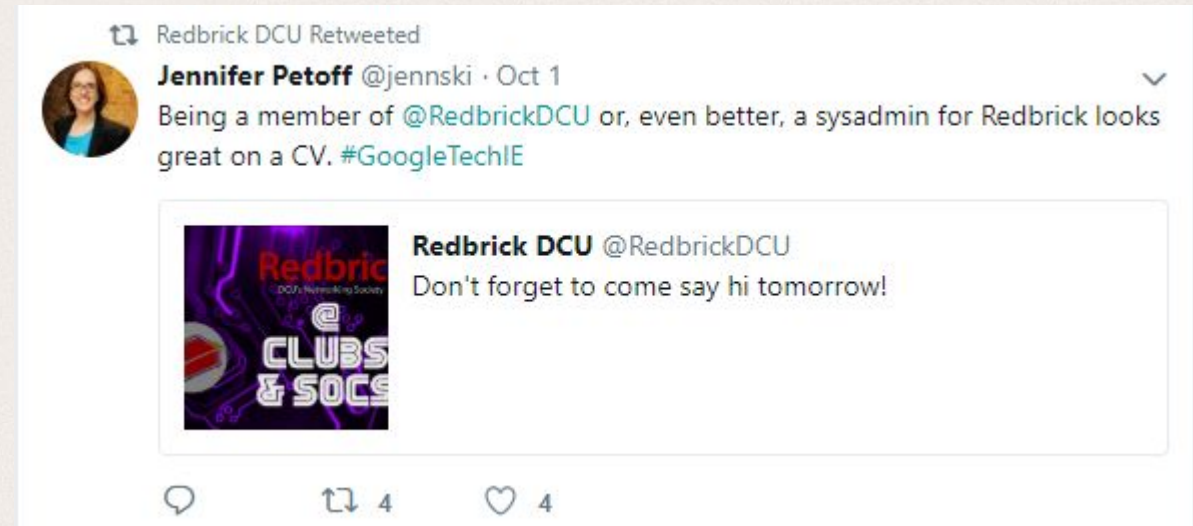
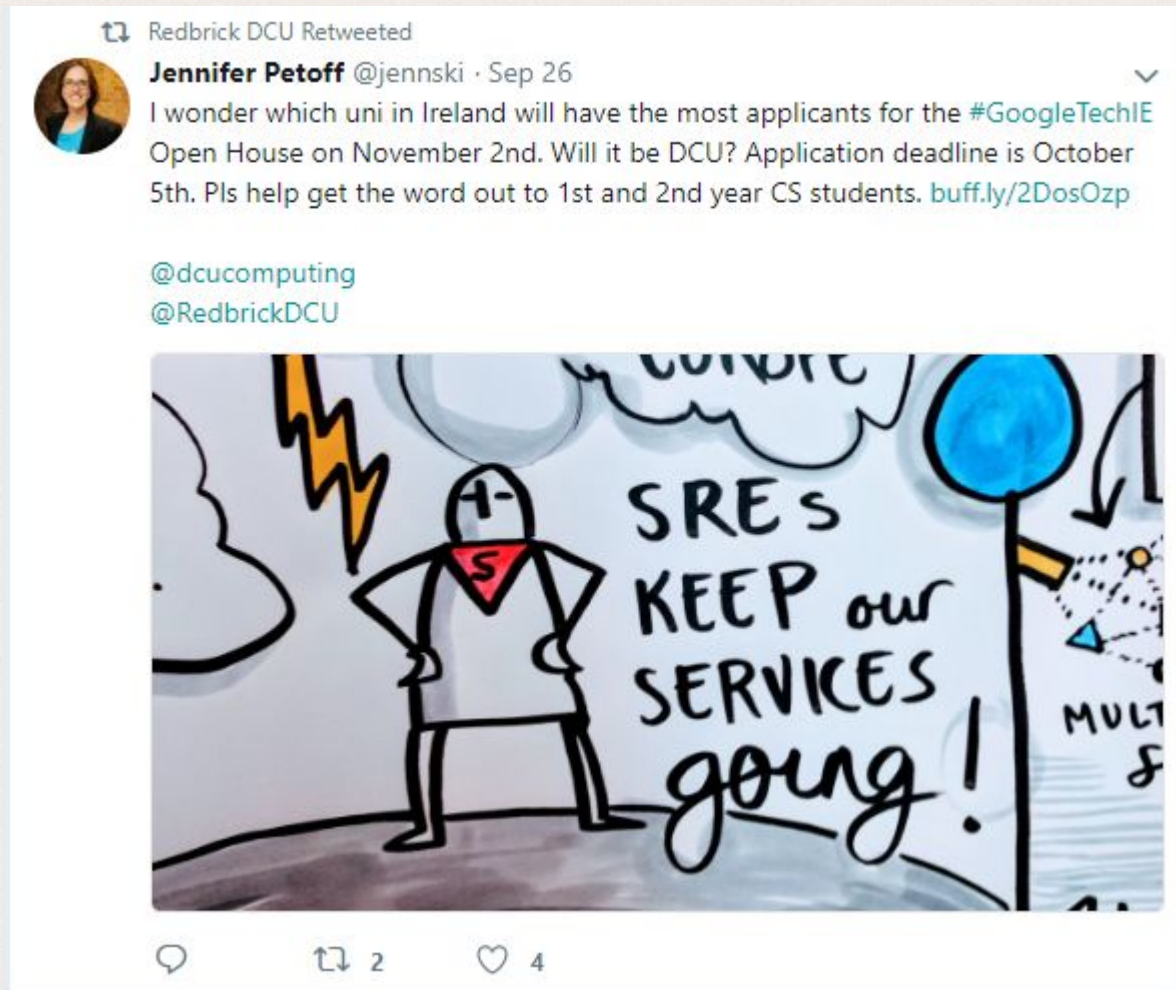
Data Science talks

Security talks

More talks



# Companies reach out to us



[buff.ly/2DosOzp](https://buff.ly/2DosOzp)



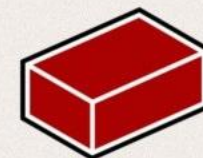
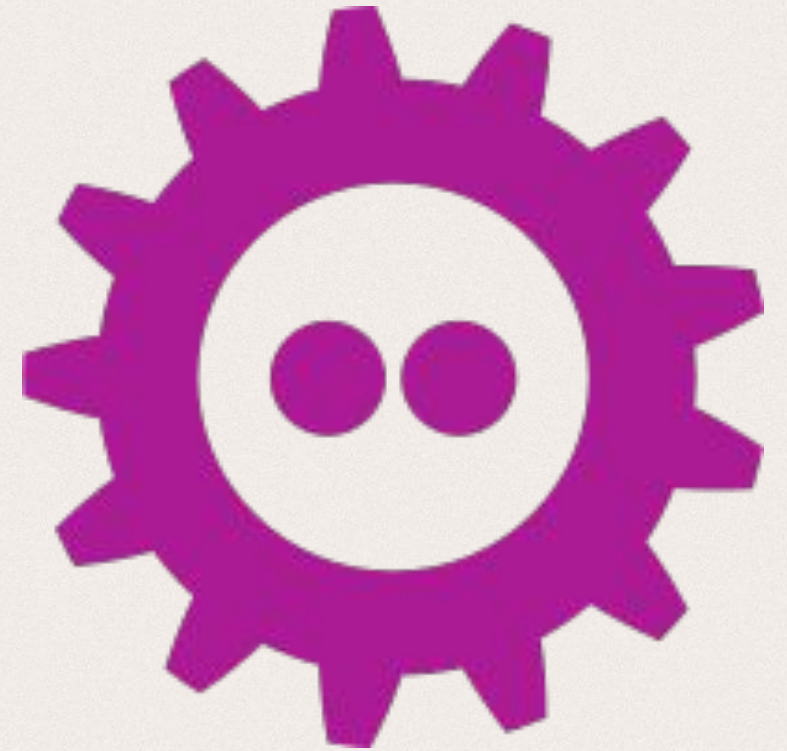
# We go to FOSDEM every year

Free Open Source European Meetup

Talks about open source software

Free swag

Tasty Beer!



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DCU's Networking Society

# Don't like going that far?



We are hosting a conference right here!

With all the computing students in Ireland

We have great talks and you don't have to go anywhere

Stay tuned for that



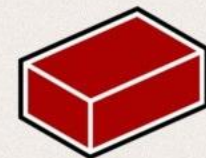
The background of the image is a dark green field filled with a complex, glowing green circuit board pattern. The circuit lines are thin and intricate, weaving across the frame. Numerous small, bright green circles, resembling solder points or vias, are scattered throughout the circuitry. The overall effect is a high-tech, digital aesthetic.

# EGM

**Thursday 4th October 6:30**

# Follow us on twitter and Facebook

We won't let you miss it



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# Did you miss a talk

We put the slides for a lot of talks over here on our site!

<https://www.redbrick.dcu.ie/help/tutorials/>

# It will also be your chance to get on committee

We need

- First year rep
- Graphics design officer
- Vice Chair
- Another events officer
- Another helpdesk member
- Ordinary Member ( x 2 )



# Questions? ( feedback )

Find all upcoming events on facebook

Follow us on twitter @RedbrickDCU

**Come up to us afterward if it's easier!**